

# E-Class Sedan

Operator's Manual +

Mercedes-Benz

F214 0191 13

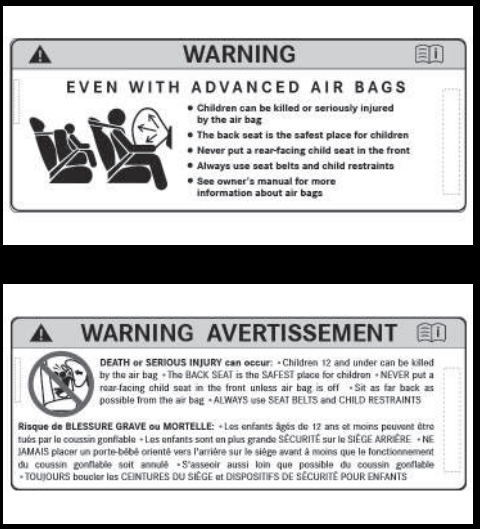
# Did you know?

To meet all needs, your Operator's Manual is available in various formats. In addition to this PDF, the following options are open to you:

**Digital – in the vehicle**
Familiarize yourself with the Operator's Manual under Preferences in the multimedia system. Start with Quick Start and discover useful tips.

**Printed - in the vehicle**
Find printed information pertaining to operation of your vehicle here. Depending on the respective country of use, additional printed information may be included.

# Front passenger airbag warning




Airbag warning sticker for USA and Canada

**⚠ WARNING**
Risk of injury- or fatal accident if the front passenger airbag is enabled

If the front passenger airbag is enabled, a child on the front passenger seat may be struck by the front passenger airbag during an accident.

► NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur.

Observe the chapter "Children in the vehicle".

# Welcome to the world of Mercedes-Benz

Before your first drive, please read this Operator's Manual carefully and familiarize yourself with your vehicle. For your own safety and a longer operating lifespan for the vehicle, follow the instructions and warnings in this Operator's Manual. Failure to do so may lead to personal injury or damage to the vehicle.

Vehicle damage caused by failure to observe the instructions is not covered by the Mercedes-Benz Limited Warranty.

**THE EQUIPMENT FEATURES OR PRODUCT DESIGNATION OF YOUR VEHICLE MAY DIFFER FROM THE CONTENT DESCRIBED IN THE OPERATOR'S MANUAL. THE OPERATOR'S MANUAL DESCRIBES THE FOLLOWING CONTENT:**

- The models and the standard and special equipment available at the time of this Operator's Manual going to press.
- The models and the standard and special equipment only available in certain countries.
- The models and the standard and special equipment which will only become available at a later date.

Please note that your vehicle may not be equipped with all features described. This is also the case for safety-relevant systems and functions. In individual cases, your vehicle may therefore differ from that shown in the descriptions and illustrations.

**MERCEDES-BENZ IS CONSTANTLY DEVELOPING ITS VEHICLES FURTHER AND RESERVES THE RIGHT TO INTRODUCE CHANGES IN THE FOLLOWING AREAS:**

- Design
- Equipment
- Technical features

The latest and complete information about your vehicle and the description of any subsequently uploaded functions are contained in the Digital Operator's Manual in the multimedia system.

The original purchase agreement for your vehicle includes a list of the equipment features in your vehicle at the time of delivery.

**THE FOLLOWING DOCUMENTS ARE COMPONENTS OF THE VEHICLE:**

- Digital Operator's Manual in the multimedia system
- Printed Operator's Manual
- Maintenance Booklet (USA only)
- Supplementary manuals relating to specific equipment
- Supplementary documents

Keep these documents in the vehicle at all times. Ensure that all documents are in the vehicle or passed on in the event of sale or rental.

For questions concerning equipment and operation, please contact a Mercedes-Benz Service Center.

The latest information on service and warranty, along with a digital copy of this Operator’s Manual, can be found on the following website.

USA only:

https://www.mbusa.com/en/vehicle-information

Canada only:

https://www.mercedes-benz.ca/en/owners/manuals (English)

https://www.mercedes-benz.ca/fr/owners/manuals (French)

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Mercedes-Benz USA, LLC

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**Disclaimer**

The following online version of the Operator's Manual describes all models as well as all standard and special equipment of your vehicle. Country-specific deviations are possible among the various languages. Note that your vehicle may not be equipped with all the features described. This is also the case for safety-relevant systems and functions.

Please contact your authorized Mercedes-Benz dealer to receive a printed Operator's Manual for other vehicle models and vehicle model years. The Online Operator's Manual is the current version. Possible variations to your vehicle may not be taken into account as Mercedes-Benz constantly updates their vehicles and equipment to the state of the art and introduces changes in design and equipment.

Please also read the printed Operator's Manual, supplementary documents, and the Digital Operator's Manual in the vehicle.

## COPYRIGHT

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This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
You can return here at any time via the navigation bar at the top left.


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# Symbols

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
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In this Operator's Manual, you will find the following symbols:

**WARNING**
Danger due to failure to observe the warning notices

Warning notices draw your attention to hazards that may endanger your health or life, or the health or life of others.

► Observe the warning notices.

**ENVIRONMENTAL NOTE**
Environmental damage due to failure to observe environmental notes

Environmental notes include information on environmentally responsible behavior or environmentally responsible disposal.

► Observe environmental notes.

**NOTE**
Damage to property due to failure to observe notes on material damage

Notes on material damage inform you of risks which may lead to your vehicle being damaged.

► Observe notes on material damage.

These symbols indicate useful instructions or further information that could be helpful to you.

| | |
|---|---|
| ► | Instruction |
| (→ page) | Further information on a topic |
| Display | Display in the central display |
| | Highest menu level, which is to be selected in the multimedia system |
| | Relevant submenus, which are to be selected in the multimedia system |
| * | Indicates a cause |

# Quick start and tips

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
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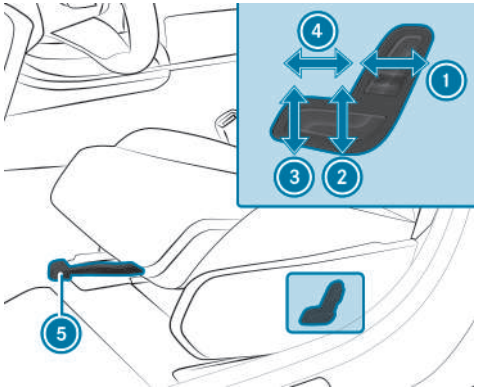
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# Seats

## Adjusting the seats

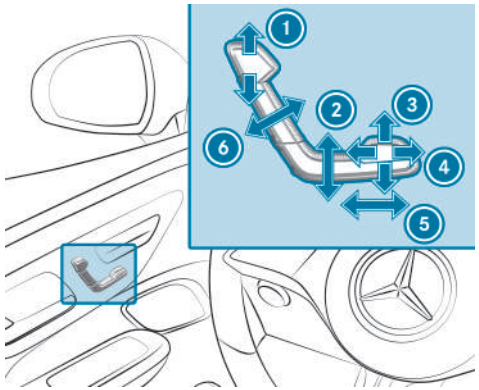
### Adjusting the seats manually and electrically



1. Seat backrest inclination
2. Seat height
3. Seat cushion inclination
4. Seat cushion length
5. Seat fore-and-aft position

- **To adjust the seat fore-and-aft position:** lift lever 5 and slide the seat into the desired position.
- Make sure that the seat is engaged.

### Adjusting the seats electrically using the door operating unit



1. Head restraint height
2. Seat height
3. Seat cushion inclination
4. Seat cushion length
5. Seat fore-and-aft position
6. Seat backrest inclination

- Save the settings with the memory function (⟶ page 240).

# Children in the vehicle

## Safely transporting children in the vehicle

- When children are traveling in the vehicle, always observe the following (⟶ page 158)
- Important warning stickers (⟶ page 159)
- Suitable seats in the vehicle for installing a child restraint system (⟶ page 156)
- Activating/deactivating the child seat safety feature of the seat belt (⟶ page 167).
- Installing the ISOFIX/LATCH child restraint system on the rear seat (⟶ page 168)
- Securing a Top Tether belt (⟶ page 170)
- Fastening the child restraint system with the seat belt (⟶ page 171)
  - Notes on rearward-facing and forward-facing child restraint systems on the front passenger seat (⟶ page 162)
- Automatic front passenger airbag deactivation (⟶ page 162)
- Child safety locks for the rear side windows (⟶ page 174)
- Child safety locks for the rear doors (⟶ page 172)

# DIGITAL LIGHT

## Adaptive functions of DIGITAL LIGHT

With this system, the headlamps adapt to the driving and weather situation. It also provides extended functions for improved illumination of the road.

**THE SYSTEM COMPRISES THE FOLLOWING ADAPTIVE FUNCTIONS:**

- Active headlamps (⟶ page 268)
- Cornering light (⟶ page 268)
- Highway mode (⟶ page 268)
- Enhanced fog light function (⟶ page 269)
- Bad weather light (⟶ page 269)
- City lighting (⟶ page 269)
- Topographical compensation (⟶ page 269)

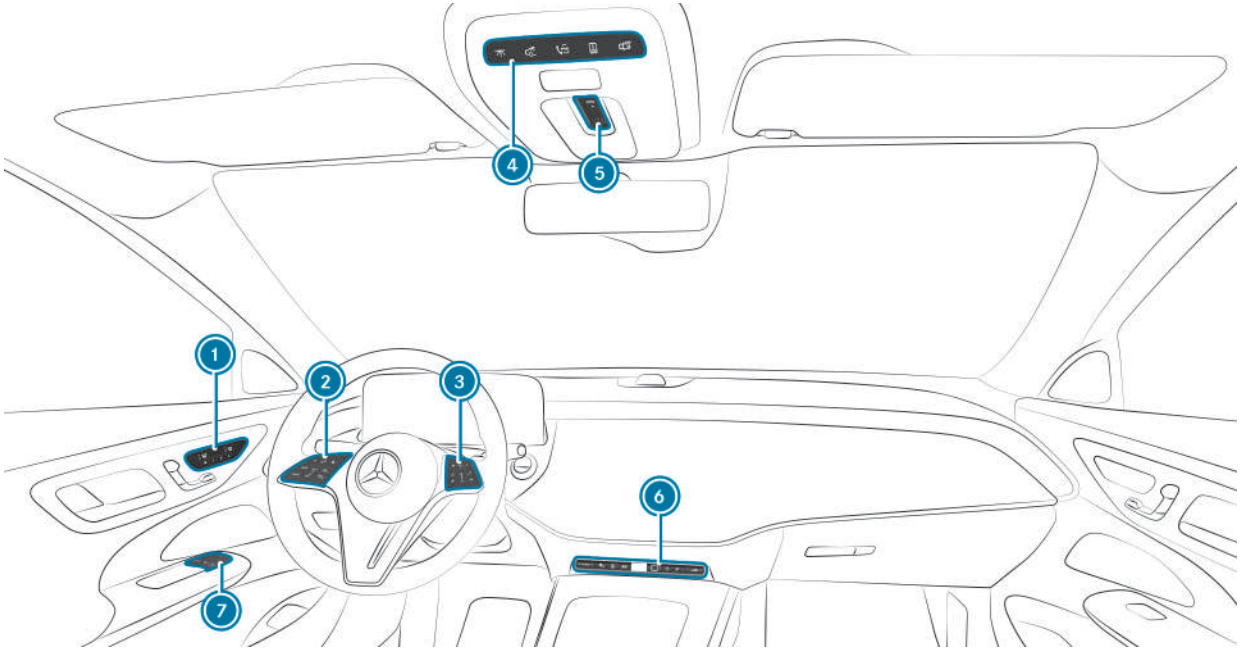
► **To activate or deactivate Digital Light:**
- Briefly press ⌂ on the multimedia system display.
- Select Settings.
- Select Light.
- Select DIGITAL LIGHT.
- Activate or deactivate Dynamic Low Beam.

► **To activate or deactivate enhanced assistance functions:**
- Select Supporting Projections.
- Activate or deactivate the desired projection.

The availability of the assistance functions is country-dependent.

# Touch-sensitive controls

## Overview of touch-sensitive controls




1. Control panel:
   - Switches the seat heating on/off
   - Switches the seat ventilation on/off
   - M Operates the memory function
2. Control panel:
   Driver's display
   - Active Distance Assist DISTRONIC
3. Control panel for the MBUX multimedia system
4. Control panel:
   - Switches the front interior lighting on/off
   - Switches the rear interior lighting on/off
   - me button
   - Opens/closes the panoramic sliding sunroof rear roller sunblind

Switches automatic interior lighting control on/off

5 Opens/closes the panoramic sliding sunroof

Opens/closes the panoramic sliding sunroof front roller sunblind

6 Control panel:

- DYNAMIC SELECT
- Active Parking Assist
- Quick vehicle access
- Fingerprint sensor
- Switches the MBUX multimedia system on/off
- Switches sound on/off
- Adjusts the volume

7 Operates the outside mirrors

► Observe the notes on the touch-sensitive controls (→ page 106).

# Radio

## Operating radio

► **To switch to radio:**
- Briefly press [⌂] in the multimedia system display.
- Tap on [♪].

► **To set the frequency band:**
- Briefly press [⌂] in the multimedia system display.
- Tap on [♪].
- Select a frequency band or a favorite.

► **To set a radio station:**
- Briefly press [⌂] in the multimedia system display.
- Tap on [♪].
- Swipe to the left or right on the control element or select a radio station.

► **To call up the radio station list:**
- Briefly press [⌂] in the multimedia system display.
- Tap on [♪].
- Select [☰♪].

► **To search for radio stations using station names or frequency entry:**
- Briefly press [⌂] in the multimedia system display.
- Tap on [♪].
- Select [🔍].
- Enter a station name or frequency.
- Select a station.

► **To store radio stations:**
- Briefly press [⌂] in the multimedia system display.
- Tap on [♪].
- Select [☆].

► **To set the traffic information service volume increase:**
- Briefly press [⌂] in the multimedia system display.
- Tap on [⚙].
- Select System.
- Select Audio.
- Select Navigation and Traffic Announcements.
- Set a value for Increase Volume for Traffic Announcement.

# Wi-Fi hotspot

## Setting up a Wi-Fi hotspot

**GENERALLY, TWO TYPES OF WI-FI CONNECTION ARE AVAILABLE:**

- Using the multimedia system as a Wi-Fi hotspot

  The multimedia system serves as a Wi-Fi hotspot for mobile communication devices such as a smartphone or tablet PC.

  The data volume of the vehicle or an already connected tethering device is used for the data connection.

  Data volume must be purchased for a fee via the Mercedes-Benz Portal.

  The use of the vehicle data tariff by external devices is not available in all countries.
- Using a mobile communication device as a Wi-Fi hotspot (tethering)

  An external Wi-Fi hotspot is accessed for the Internet connection of the multimedia system.

  The data tariff of the mobile communication device via Data Plan is used for the data connection.

**OPTIONS FOR SETTING UP A CONNECTION:**

- QR code

  The connection is set up by scanning the QR code shown on the multimedia system.
- Security key

  The connection is established by entering the security key displayed on the multimedia system.

# Connecting a mobile phone

## Connecting a mobile phone

► **To activate Bluetooth®:**
- Make sure that the mobile phone Bluetooth® is switched on.
- Tap [⌂] on the central display.
- Select Settings.
- Select System.
- Select Internet and Bluetooth.
- Activate Bluetooth®.

► **To search for a mobile phone:**
- Tap [⌂] on the central display.
- Select Phone.
- Select [⚙].
- Select Devices.
- Select Devices.
- Select Connect New Device.

► **To authorize a mobile phone:**
- Select a mobile phone.

A code is displayed in the multimedia system and on the mobile phone.

► If the codes match, confirm the code on the mobile phone.

# MBUX Interior Assistant

## Using the MBUX Interior Assistant

The MBUX Interior Assistant detects the front vehicle occupants via 3D laser cameras in the overhead control panel. The Assistant interprets natural hand, head and body movements contextually or upon explicit request from the driver or front passenger. The Assistant can thus automatically trigger vehicle interior functions and assist appropriately to the situation.

The Assistant recognizes driver and front passenger interactions.

**THE ASSISTANT SUPPORTS VEHICLE AND INFOTAINMENT FUNCTIONS AT THREE INTERACTION LEVELS:**

- INTELLIGENT
  The Assistant recognizes vehicle occupants and objects automatically and activates functions.
- REACTIVE
  The Assistant recognizes the natural body language of a vehicle occupant and carries out functions automatically, appropriate to the situation.
- CONTACTLESS
  The vehicle occupant actively requests a function using a hand movement.

**THE ASSISTANT OFFERS FUNCTIONS FOR THE FOLLOWING:**

- SAFETY
  The Assistant supports vehicle occupants with the use of restraint systems.
- COMFORT
  The Assistant enhances comfort by automating functions inside the vehicle and supporting natural interaction with the vehicle.
- INFOTAINMENT
  The Assistant facilitates operation of the Infotainment functions.

One application example is switching the reading light on or off.



Carrying out operation of the reading light for the driver and front passenger

► Move your hand up and down under the inside mirror.
The reading light is switched on or off.

# MBUX Voice Assistant

## Operating the MBUX Voice Assistant

**YOU CAN USE THE MBUX VOICE ASSISTANT TO OPERATE THE FOLLOWING FUNCTIONS DEPENDING ON THE VEHICLE EQUIPMENT:**

- Telephone
- Text message and e-mail
- Navigation
- Radio and media
- Vehicle functions
- Online functions

**EXAMPLES OF POSSIBLE VOICE COMMANDS:**

- To operate the phone: Call my father.
- To manage e-mails: Show me my new e-mails.
- To operate the navigation: Search for an Asian restaurant, but not Japanese, in South London.
- To operate the radio: Which station am I currently listening to?
- To operate media: Play a similar track.
- To operate climate control: My feet are cold.
- To operate vehicle functions: Open the window.
- To call up the weather: Will it be sunny tomorrow?
- To ask a general knowledge question: Who painted the picture "The Scream"?

# ENERGIZING Packages

## Operating ENERGIZING COMFORT

- **To start an ENERGIZING program:**
  - Briefly press [⌂] in the multimedia system display.
  - Select Comfort.
  - Select ENERGIZING COMFORT.
  - Select a program and start with [▶].
- **To configure an ENERGIZING program:**
  - Select a program.
  - Select Settings.
  - Switch the functions included in the program on or off.
- **To start Power Nap:**
  - Select Power Nap.
  - Select [▶] for the desired seat.
- **To start a training program:**
  - Select Training.
  - Select a program and start with [▶].
  - To activate fragrancing for training, select Fragrance.
- **To start Tips:**
  - Select Tips.
  - Select an area of the body and start with [▶].

# Driving Assistance package

## Driving Assistance Package functions

Depending on availability for the respective country of use, the vehicle may be equipped with various functions which are provided to assist the driver. The vehicle is therefore installed with cameras and sensors to monitor the vehicle surroundings.

- **Active Distance Assist DISTRONIC** (⟶ page 406)

You can watch an animation on this topic via the following link:

- **Active Speed Limit Assist** (⟶ page 412)

You can watch an animation on this topic via the following link:

- **Route-based speed adaptation** (⟶ page 413)
- **Active Brake Assist** (⟶ page 424)

You can watch an animation on this topic via the following link:

- **Active Steering Assist** (⟶ page 415)

You can watch an animation on this topic via the following link:

- **Active Emergency Stop Assist** (⟶ page 417)
- **Active Lane Change Assist** (⟶ page 419)

You can watch an animation on this topic via the following link:

- **Active Stop-and-Go Assist** (⟶ page 415)
- **Blind Spot Assist with exit warning** (⟶ page 434)
- **Active Blind Spot Assist with exit warning** (⟶ page 436)

You can watch an animation on this topic via the following link:

- **Active Lane Keeping Assist** (⟶ page 437)

# Parking Package

## Functions of the Parking Package

Depending on availability for the respective country of use, the vehicle may be equipped with various functions which are provided to assist the driver with parking and maneuvering. The vehicle is therefore installed with cameras and sensors to monitor the vehicle surroundings.

Depending on the respective equipment version, the following systems and functions are part of your Parking Package:

- **360° camera:** a system comprising four cameras which record the immediate vehicle surroundings and relay an image to the driver display (⟶ page 445).
- **Parking Assist PARKTRONIC:** an electronic parking assistance system which monitors the area surrounding your vehicle and the distance to obstacles in the vicinity using ultrasound (⟶ page 449).
- **Active Parking Assist:** an electronic parking assistance system which assists you when parking or exiting a parking space by changing gear, accelerating, braking and steering the vehicle (⟶ page 453).

You can watch an animation on this topic via the following link:

# AC charging of the high-voltage battery (mode 2 oder 3)

## AC charging (mode 2 or 3)

Starting and ending the charging process

- More notes on charging the high-voltage battery (⟶ page 354)
- Overview of the charging cable control panel

# DC charging of the high-voltage battery (mode 4)

## DC charging (mode 4)

Starting and ending the charging process

- More notes on charging the high-voltage battery (→ page 354)
- Overview of the charging cable control panel

# Destination entry navigation

## Entering a navigation destination

► Briefly press [⌂] in the multimedia system display.

The zero layer is shown.

The zero layer is your own personalized user interface with the digital map in the foreground and the applications that you use the most. You can switch between the zero layer and the home screen with a classic menu.

► Select [🔍].

**SELECT THE FOLLOWING OPTIONS FOR DESTINATION ENTRY:**

- Enter a POI, an address or a three-word address in the input line.

  Online search results for POIs (if available) may contain additional information, for example opening times and prices. The information is provided by an online map service.

  You can find further information about three-word addresses at: http://what3words.com
- Select a destination suggestion.

  Requirements:

  The Navigation option is switched on in the user settings for Suggestions.

  The multimedia system has gathered sufficient data in order to show destination suggestions.
- Select Previous Destinations.

  Select a previous destination.

  You can save the destination as a favorite.
- Select POIs.

  Select a POI category, e.g. [P] or enter a POI name or POI category in the input line.

  If search results are displayed, limit them with Filter, for example by search position or the desired travel time.
- Select Contacts.

  Requirements:

  A mobile phone is connected to the multimedia system and contacts have been downloaded.

  The contact contains a navigable address.
- Enter the geocoordinates as latitude and longitude in the input line.

  Example 1: 47°58'11"N 7°57'25"E (degrees, minutes, seconds and compass direction)

  Example 2: 47.969722 7.956944 (decimal degrees)
- Select a destination on the map.
- Select Favorites.

  Requirements:

  The destinations have been saved as favorites.
- Select Received Destinations.

  Requirements:

  There is an Internet connection for receiving external destinations.

  The destinations have been sent to the vehicle.

# New multimedia system features

## Information about the telephone menu




1. Bluetooth® device name of the currently connected mobile phone/of the mobile phone
2. Bluetooth® device name of the currently connected mobile phone/of the mobile phone (two phone mode)
3. Signal strength of the mobile phone network
4. Battery status of the connected mobile phone
5. Options
6. Messages
7. Calls up my devices
8. Numerical pad
9. Starts contact search

**TELEPHONE MENU OVERVIEW**

Via the telephone menu you can use the functions in connection with your mobile phone.

**THE FOLLOWING FUNCTIONS CAN BE USED:**

- Call lists
- Contacts
- Messages
- Device manager

**USING CALL LISTS**

If your mobile phone supports the PBAP Bluetooth® profile, the call lists from the mobile phone are displayed in the multimedia system.

**THE FOLLOWING FUNCTIONS ARE AVAILABLE:**

- Making calls from the call list
- Opening contacts on the call list

**MESSAGES**

In the message menu you can receive text messages and create and send them with the help of the MBUX voice assistant. In addition, you can conveniently use the read-aloud function during the journey.

**DEVICE MANAGER**

In the device manager, you can connect your mobile phone with the multimedia system.

You have the option of using your mobile phone alone in single telephone mode or together with another mobile phone in two phone mode.

**USING CONTACTS**
If you permit the multimedia system to access the contacts in your mobile phone, you can use these in the vehicle. You can store up to 8,000 contacts.

**THE FOLLOWING OPTIONS ARE AVAILABLE TO YOU VIA THE CONTACTS MENU:**

- Making telephone calls (calling a contact)
- Navigation
- Composing messages with the help of the MBUX voice assistant
- Additional options

The contacts from your mobile phone can be downloaded automatically or manually.

**CONDUCTING A CALL**
When conducting a call, additional functions are available apart from making, accepting or rejecting a call. For example, you can switch between calls, conduct a call with several participants or conference calls.

It is also possible to accept or reject waiting calls. If you receive a call while already in a call, a message is displayed.

**DURING A CALL YOU CAN ACTIVATE THE FOLLOWING FUNCTIONS:**

- Microphone off
- Fade in the numerical pad to send DTMF tones
- Add a call
- Hands-free mode to transfer the call to the front or rear passenger compartment
- Privacy mode to transfer the call to the telephone or headphones

## Information on radio



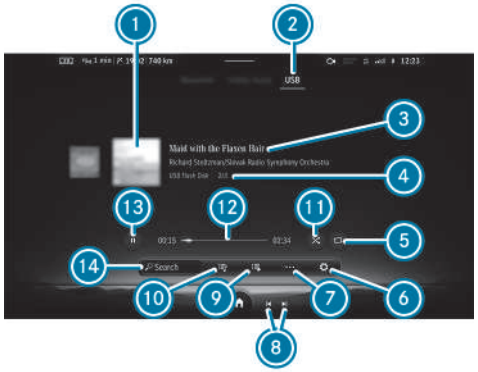

1. Station logo
2. Active frequency band
3. Station name or set frequency
4. Settings
5. Mutes volume
6. Switches HD Radio® on/off
7. Station list
8. Search

Using the radio menu you can play a multitude of radio stations and use the Internet Radio TuneIn. Search for your preferred stations and save these as favorites or in station lists.

ⓘ The function of TuneIn Internet radio is country-dependent.

**Radio text:** this function shows you the station name, the track and the artist for the song currently playing, for example.

## Information on media




1. Album cover
2. Active media source
3. Track and artist
4. Active data storage medium and current track number/track in playback list
5. Repeat
6. Settings
7. Additional options
8. Previous or next track and fast rewind or fast forward
9. Additional categories
10. Playlists and categories
11. Random playback
12. Timeline
13. Controls playback
14. Media search

Using the Media application you can set and use the audio functions of your multimedia system, for example. You can listen to music, for example.

**USB:** using the USB menu, you can play back your own audio data from a data storage medium connected by USB, for example.

**Bluetooth®:** Using the Bluetooth menu, you can connect a Bluetooth® audio device with the multimedia system and play back the available tracks on the audio device. Connecting the device can be conveniently handled in the device manager, so you can complete all settings with just a few clicks.

**Online music:** The Online Music menu allows you to access music streaming services.

## Notes on comfort

The Comfort menu makes functions available that contribute to your well-being when driving or taking a break.

**SEAT COMFORT**
The Seat menu allows you to flexibly adjust the contours of the seats to your needs by adjusting the side bolsters and lumbar support independently. You can save these settings in your Mercedes me profile, so they can be called up each time you drive. With the Seat Kinetics function, you can start a program that causes slight modifications of the seat position when you are driving. These modifications promote a healthy back.

**MASSAGE**
In the Massage menu you will find the massage programs that are available for your vehicle. By selecting the desired program you start it directly and it runs for a period of approximately ten minutes, depending on the program selec-

ted. With the Intensive function you can increase the effect of the massage program.

**AMBIENT LIGHT**
In the Ambient Light menu you can set the color and brightness for your ambient lighting. Using the Link Zones function, the ambience, accent and impression zones can be regulated separately so that you can set the lighting of your vehicle individually.

## Information about smartphone integration

Using the Smartphone Integration menu, various applications are available that can bring the functions of your mobile phone to the multimedia system display. Operation can by carried out via the touchscreen or voice control, for example.

Only one mobile phone at a time can be connected via Smartphone Integration to the multimedia system. Also for use with two phone mode with Smartphone Integration, only one additional mobile phone can be connected using Bluetooth® with the multimedia system.

Use Android Auto for mobile phones with the Android operating system and use Apple CarPlay® with your iPhone®. The full functionality of Android Auto and Apple CarPlay® is only possible with an Internet connection.

## Information on AMG Performance

Using the AMG Performance menu, you can call up information about the performance of your vehicle.

**DEPENDING ON THE VEHICLE THE FOLLOWING MENUS ARE AVAILABLE:**

- Energy Flow

  Visualization of the energy flow in the vehicle
- Consumption

  Display of the current and average consumption values of the vehicle
- Vehicle

  Display of vehicle data
- Engine

  Display of engine data such as current power and torque
- Drive

  Display of current data of various drive elements such as current, voltage and temperature

## Information about vehicle info

You can have important vehicle information displayed in the Info menu. At a glance you will have an overview of vehicle and engine data or current consumption values, for example. In addition, you can call up the Digital Operator's Manual via the Operator's Manual menu item.

**VEHICLE DATA**
**THE FOLLOWING DATA WILL BE SHOWN, FOR EXAMPLE:**

- Activity of the acceleration and brake pedal
- Activity of the suspension strut
- Wheel angle
- G-force display for the linear and lateral acceleration

**ENGINE DATA**
**THE FOLLOWING DATA IS SHOWN:**

- Transmission oil temperature
- Engine/coolant temperature

- Performance
- Torque
- Boost pressure

**CONSUMPTION DATA**
Depending on your driving style, this display shows the current and average fuel consumption. Together with the displays of vehicle and engine data, you can adapt your driving style to be as efficient and economical as possible.

## Information on MB Apps (Digital Extras)

**VARIOUS SERVICES AND ONLINE FUNCTIONS ARE AVAILABLE VIA THE MB APPS MENU:**

- Managing Digital Extras
- Using the dashcam
- Using the web browser to surf the Internet

You require a Mercedes me ID user account, and have to connect your vehicle with the user account, in order to be able to use services.

ⓘ If the Mercedes-Benz App is available on a mobile phone, the vehicle link can be made via the displayed QR code.

Please not that the available features are country-dependent.

## Information on settings

In the Settings you can set the basic configuration for your multimedia system and the vehicle. You have access to all functions in this menu, from switching the driver assistance systems on and off to display and language settings.

**THE SETTINGS ARE STRUCTURED IN THE FOLLOWING MENUS:**

- Assistance
- Vehicle
- Light
- System

**ASSISTANCE MENU**
With the Assistance menu you have direct access to the driver assistance systems which are used in your vehicle and can either switch these on or off, or configure according to your wishes.

**VEHICLE MENU**
**HERE YOU CAN ACTIVATE THE FOLLOWING FUNCTIONS, FOR EXAMPLE:**

- Automatic folding in of the outside mirrors when parking the vehicle
- Automatic adjustment of the seat and steering wheel, for comfortable entry and exit from the vehicle
- Automatic activation of the 360° camera when selecting reverse gear

**LIGHT MENU**
All the light settings can be made in the Light menu. You can activate or deactivate the Intelligent Light System here, set for how long your vehicle should remain lit after parking or unlocking or switch the function off.

**SYSTEM MENU**
All important settings for the multimedia system can be made in the System menu.

**YOU CAN CARRY OUT THE FOLLOWING SETTINGS, FOR EXAMPLE:**

- Setting the system language
- The configuration of Wi-Fi and Bluetooth®
- Setting of time and date

# At the gas station

## Refueling the vehicle

**WARNING**
Risk of fire or explosion from fuel

Fuels are highly flammable.

- Fire, open flames, smoking and creating sparks must be avoided.
- Before refueling, switch off the vehicle and, if installed, the stationary heater, and leave them switched off during refueling.

**WARNING**
Risk of injury from fuels

Fuels are poisonous and hazardous to your health.

- Do not swallow fuel or let it come into contact with skin, eyes or clothing.
- Do not inhale fuel vapor.
- Keep children away from fuel.
- Keep doors and windows closed during the refueling process.

If you or other people come into contact with fuel, observe the following:

- Immediately rinse fuel off your skin with soap and water.
- If fuel comes into contact with your eyes, immediately rinse them thoroughly with clean water. Seek medical attention immediately.
- If you swallow fuel, seek medical attention immediately. Do not induce vomiting.
- Change immediately out of clothing that has come into contact with fuel.

**WARNING**
Risk of fire and explosion due to electrostatic charge

Electrostatic charge can ignite fuel vapor.

- ► Before you open the fuel filler cap or take hold of the pump nozzle, touch the metallic vehicle body.
- ► To avoid creating another electrostatic charge, do not get into the vehicle again during the refueling process.

**NOTE**
Damage caused by the wrong fuel

Vehicles with a gasoline engine:

Even small amounts of the wrong fuel could result in damage to the fuel system, the engine and the emission control system.

- ► Refuel only with low-sulfur spark-ignition engine fuel.

This fuel may contain up to 10% ethanol. Your vehicle is suitable for use with E10 fuel.

**NEVER REFUEL WITH ANY OF THE FOLLOWING FUELS:**

- Diesel
- Gasoline with more than 10% ethanol by volume, e.g. E15, E85, E100
- Gasoline with more than 3% methanol by volume, e.g. M15, M30, M85, M100
- Gasoline with metallic additives

If you have accidentally refueled with the wrong fuel:

- ► Do not switch on the vehicle.
- ► Consult a qualified specialist workshop.

**NOTE**
Do not use diesel to refuel vehicles with a gasoline engine

**IF YOU HAVE ACCIDENTALLY REFUELED WITH THE WRONG FUEL:**

- Do not switch on the vehicle. Otherwise fuel can enter the engine.
  Even small amounts of the wrong fuel could result in damage to the fuel system and the engine. The repair costs are high.

► Consult a qualified specialist workshop.

► Have the fuel tank and fuel lines drained completely.

**NOTE**
Damage to the fuel system due to overfilling the fuel tank

► Only fill the fuel tank until the pump nozzle switches off.

If too much fuel has been added due, for example, to a faulty filling pump:

► Do not switch on the vehicle.

► Consult a qualified specialist workshop.

**NOTE**
Fuel may spray out when you remove the fuel pump nozzle

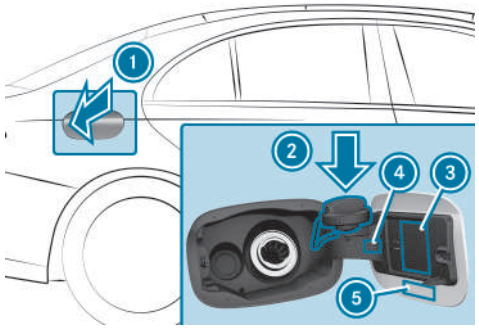
► Only fill the fuel tank until the pump nozzle switches off.

**Requirements:**

- The vehicle is unlocked.
- **Plug-in hybrid with gasoline engine:** the fuel tank was vented before refueling (⟶ page 353).

Observe the notes on operating fluids and fuel.

Only refuel with fuel that has at least the octane number specified in the information label on the inside of the fuel filler flap. Otherwise engine output may be reduced and fuel consumption increased.




1. Fuel filler flap
2. Bracket for the fuel filler cap
3. Tire pressure table
4. QR code for rescue card
5. Fuel type

ⓘ **Plug-in hybrid with gasoline engine:** the fuel filler flap opens automatically after the fuel tank has been vented (⟶ page 353).

- Press in the center of the rear area of the fuel filler flap (1).
- Turn the fuel filler cap counter-clockwise and remove it.
- Insert the fuel filler cap from above into the bracket (2).
- Completely insert the pump nozzle into the tank filler neck, hook in place and refuel.
- Only fill the fuel tank until the pump nozzle switches off.
- Replace the fuel filler cap on the tank filler neck and turn clockwise until it engages audibly.
- Close the fuel filler flap (1).

## Checking the tire pressure manually

- Read the tire pressure recommended for the current operating conditions from the tire and loading information placard or the tire pressure table. Observe the notes on tire pressure.
- Remove the valve cap of the tire to be checked.
- Press the tire pressure gauge securely onto the valve.
- Read the tire pressure.
- If the tire pressure is lower than the recommended value, increase the tire pressure to the recommended value.
- If the tire pressure is higher than the recommended value, release air. To do so, press down the metal pin in the valve, e.g. using the tip of a pen. Then check the tire pressure again using the tire pressure gauge.
- Screw the valve cap onto the valve.

## Filling the windshield washer system

**DANGER**
Risk of fatal injuries when carrying out maintenance work during the charging process

During the charging process, the high-voltage on-board electrical system is under high voltage.

- Do not perform any maintenance work during the charging process.

**WARNING**
Risk of burns when opening the hood

**IF YOU OPEN THE HOOD IN THE EVENT OF AN OVERHEATED ENGINE OR FIRE IN THE ENGINE COMPARTMENT, THE FOLLOWING SITUATIONS MAY OCCUR:**

- You may come into contact with hot gases.
- You may come into contact with other escaping hot operating fluids.

- Before opening the hood, allow the engine to cool down.
- In the event of a fire in the engine compartment, keep the hood closed and call the fire service.

**WARNING**
Risk of injury due to moving parts

Components in the engine compartment may continue to run or start unexpectedly even when the drive system is switched off.

Observe the following if you must open the hood:

- Switch off the vehicle.
- Never touch the danger zones surrounding moving components, e.g. the rotation area of the fan.
- Remove jewelery and watches.
- Keep items of clothing and hair away from moving parts.

**WARNING**
Risk of burns from hot component parts in the engine compartment

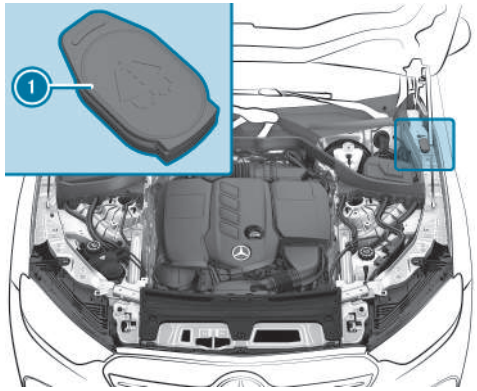
Certain component parts in the engine compartment can be very hot, e.g. the engine, the cooler and parts of the exhaust system.

- Allow the engine to cool down and only touch component parts described in the following.

**WARNING**
- Risk of fire and injury from windshield washer concentrate

Windshield washer concentrate is highly flammable. It could ignite if it comes into contact with hot engine component parts or the exhaust system.

- Make sure that no windshield washer concentrate spills out next to the filler opening.




- Open the cap (1) by pulling on the front protrusion.
- Add washer fluid.

# Replacing the windshield wiper blades

**WARNING**
Risk of becoming trapped if the windshield wipers are switched on while wiper blades are being replaced

If the windshield wipers begin to move while you are changing the wiper blades, you can be trapped by the wiper arm.

- Always switch off the windshield wipers and vehicle before changing the wiper blades.

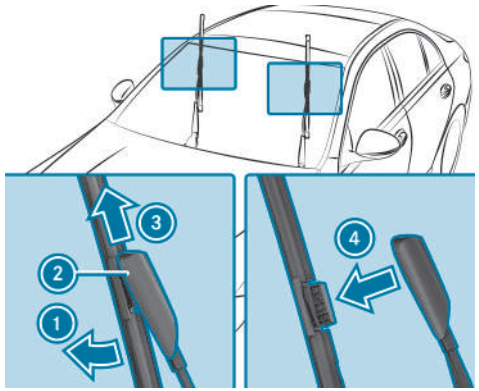
### MOVING THE WIPER ARMS INTO THE REPLACEMENT POSITION

- Switch the vehicle on and then off again immediately.
- Within around 15 seconds, press and hold the button on the combination switch for approximately three seconds (→ page 280).

  The wiper arms move into the replacement position.

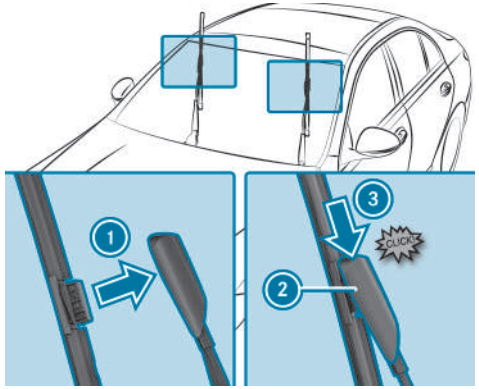
### REMOVING THE WIPER BLADES

- Fold the wiper arms away from the windshield.



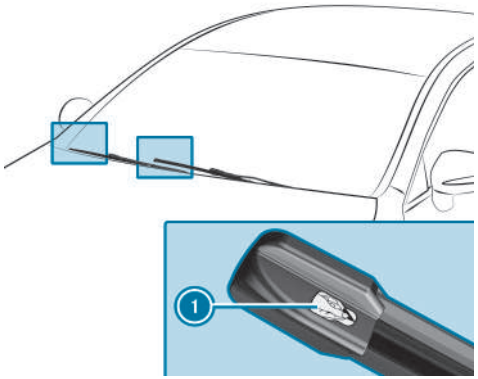

- Hold the wiper arm with one hand. With the other hand, turn the wiper blade away from the wiper arm in the direction indicated by the arrow 1 as far as it will go.
- Slide the catch 2 in the direction indicated by the arrow 3 until it engages in the removal position.
- Remove the wiper blade from the wiper arm in the direction indicated by the arrow 4.

### FITTING THE WIPER BLADES



- Insert the new wiper blade into the wiper arm in the direction indicated by the arrow (1).
- Slide the catch (2) in the direction indicated by the arrow (3) until it engages in the locking position.
- Ensure that the wiper blade is seated correctly.
- Fold the wiper arms back onto the windshield.
- Switch on the vehicle.
- Press the button on the combination switch.
  The wiper arms will return to their original positions.
- Switch off the vehicle.

**SERVICE INDICATOR**
There is a service indicator at the tip of the newly mounted wiper blades.




- Remove the protective film (1) from the service indicator.

When the color of the service indicator changes from black to yellow, the wiper blades should be replaced.

# Checking the engine oil level using the driver display

**Requirements:**

- The engine has been warmed up.
- The vehicle is parked on a level surface.
- The engine is running at idle speed.
- The hood is closed.

Determining the engine oil level can take up to 30 minutes with a normal driving style, and even longer with an active driving style.

Driver display:
→ Service
The engine oil level is shown.

**ONE OF THE FOLLOWING MESSAGES WILL APPEAR ON THE DRIVER DISPLAY:**

- Engine Oil Level Measuring Now...: the engine oil level cannot be determined yet.

- Repeat the request after a maximum of 30 minutes of driving.

- Engine Oil Level OK and the bar display for indicating the engine oil level on the driver display is green and is between "min" and "max": the engine oil level is OK.

- Engine Oil Level Refill 1,0 liq.gal. and the bar display for indicating the engine oil level on the driver display is yellow and is below "min":

► Add 1.1 US qt (1 liter) of engine oil.

- Engine Oil Level Reduce and the bar display for indicating the engine oil level on the driver display is yellow and is above "max":

► Drain off any excess engine oil that has been added. Consult a qualified specialist workshop in this regard.

- For Engine Oil Level Switch on Vehicle

► Switch on the vehicle to check the engine oil level.

- Engine Oil Level System Inoperative: The oil level sensor is defective or not connected.

► Consult a qualified specialist workshop.

- Engine Oil Level System Currently Unavailable

► Close the hood.

## Information on washing the vehicle in a car wash

**WARNING**
Risk of accident due to reduced braking effect after washing the vehicle

The braking effect is reduced after washing the vehicle.

► After the vehicle has been washed, brake carefully while paying attention to the traffic conditions until the braking effect has been fully restored.

**NOTE**
Damage from automatic braking

**THE VEHICLE WILL BRAKE AUTONOMOUSLY IN CERTAIN SITUATIONS IF THE FOLLOWING FUNCTIONS ARE SWITCHED ON:**

- Active Brake Assist
- Active Distance Assist DISTRONIC
- HOLD function
- Active Parking Assist

To avoid damage to the vehicle, switch these systems off e.g. before towing it or in a car wash.

**NOTE**
Damage due to unsuitable car wash

- ► Before driving into a car wash make sure that the car wash is suitable for the vehicle dimensions.
- ► Ensure there is sufficient ground clearance between the underbody and the guide rails of the car wash.
- ► Ensure that the clearance width of the car wash, in particular the width of the guide rails, is sufficient.

**TO AVOID DAMAGE TO YOUR VEHICLE WHEN USING A CAR WASH, ENSURE THE FOLLOWING BEFOREHAND:**

- Active Distance Assist DISTRONIC is switched off.
- The HOLD function is switched off.
- The 360° camera or the reversing camera is switched off.
- The vehicle is locked and the door handles retracted.
- The side windows and sliding sunroof are completely closed.
- The outside mirrors are retracted.
- The blower for the ventilation and heating is switched off.
- The windshield wiper switch is in position 0.
- The key is at least 20 ft (6 m) away from the vehicle. Otherwise, the trunk lid or a door could open unintentionally.
  This also applies to the Digital Vehicle Key.
- For car washes with conveyor systems:
  - Neutral N is engaged.
  - The vehicle is locked from the inside.
- Do not make any hand movements in the area of the overhead control panel or deactivate the Sliding Sunroof and Roller Sunblind option in the settings for the MBUX interior assistant (→ page 533).

ⓘ Removing the wax from the windshield and the wiper rubber after washing the vehicle will help to avoid smearing and reduce wiper noise.

# Preparing for a holiday

## Notes on regularly inspecting wheels and tires

**WARNING**
Risk of injury through damaged tires

Damaged tires can cause tire pressure loss.

► Check the tires regularly for signs of damage and replace any damaged tires immediately.

**WARNING**
Risk of hydroplaning due to insufficient tire tread

Insufficient tire tread will result in reduced tire grip. There is a risk of an accident.

On a wet road surface the risk of hydroplaning is increased, in particular where speed is not adapted to suit the conditions.

► Check the tread depth and the condition of the tire contact surface across the entire width of all tires on a regular basis.

**MINIMUM TREAD DEPTH FOR**

- summer tires: ⅛in (3 mm)
- M+S tires: ⅙in (4 mm)

► For safety reasons, replace the tires before the legally-prescribed limit for the minimum tread depth is reached.

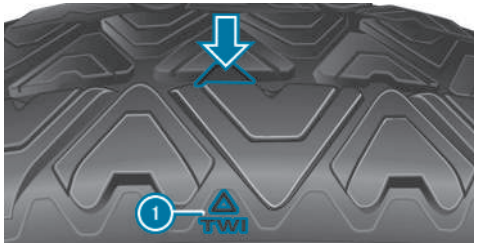
► Replace the tires immediately if the legally-prescribed limit for the minimum tread depth is reached.

**CARRY OUT THE FOLLOWING CHECKS ON ALL WHEELS REGULARLY, AT LEAST ONCE A MONTH OR AS REQUIRED, FOR EXAMPLE, PRIOR TO A LONG JOURNEY OR DRIVING OFF-ROAD:**

- Check the tire pressure (⟶ page 719).

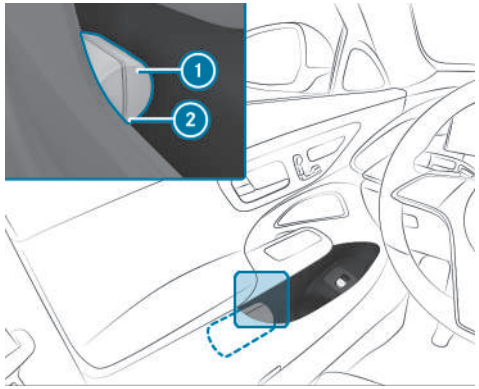
- Visually inspect wheels and tires for damage.
- Check the valve caps.
- Visual check of the tire tread depth and the tire contact surface across the entire width.

  The minimum tread depth for summer tires is ⅛ in (3 mm) and for winter tires ⅙ in (4 mm).




Six marks (1) show where the bar indicators (arrow) are integrated into the tire tread. They are visible once a tire tread depth of approximately 1/16 in (1.6 mm) has been reached.

## Removing the safety vest

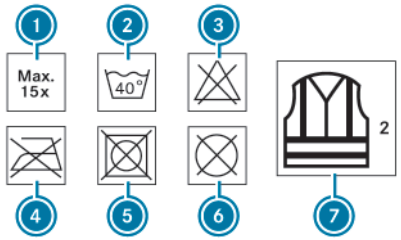



There is a safety vest stowage recess in the door stowage compartments of all doors for storing a safety vest.

► To remove: pull out the safety vest bag (1) using the loop (2).

► Open the safety vest bag (1) and take out the safety vest.
► To replace: fold the safety vest, roll it up and insert it into the safety vest bag (1).
► Slide the safety vest bag (1) along the underside of the armrest into the safety vest stowage recess. Ensure that the loop (2) remains hanging out so that it is easy to grasp.

ⓘ Remove the packaging film from a new safety vest before sliding it into the safety vest stowage recess. Otherwise, it may slide out unintentionally or the packaging may hinder its removal.
Observe the legal requirements for the individual countries.




1. Maximum number of washes
2. Maximum wash temperature
3. Do not bleach
4. Do not iron
5. Do not tumble dry
6. Do not dry clean
7. Class 2 safety vest

The requirements defined by the legal standard are only fulfilled if the safety vest is the correct size and is fully closed.

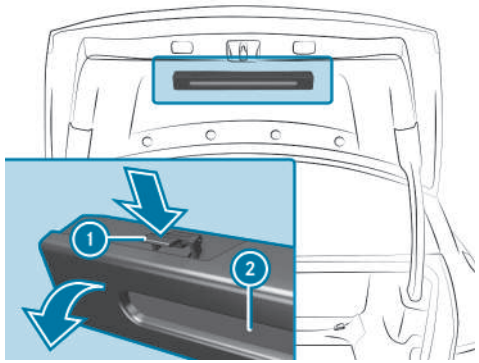
**REPLACE THE SAFETY VEST IN THE FOLLOWING CASES:**

- The reflective strips are damaged or dirty.
- The maximum permissible number of washes is exceeded.
- The fluorescence property diminishes, e.g.due to permanent exposure to sunlight.

**DISPOSE OF THE SAFETY VEST IN AN ENVIRONMENTALLY-FRIENDLY WAY:**

- Please contact your local waste disposal company.

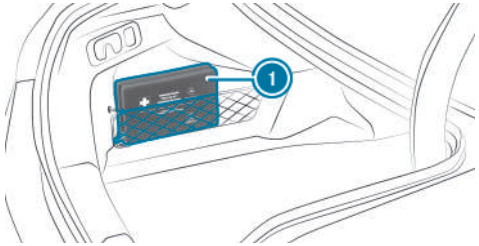
## Removing the warning triangle




- ► Push both sides of the warning triangle holder (1) in the direction indicated by the arrow and open.
- ► Remove the warning triangle (2).

The warning triangle is located in the trunk lid.

## First-aid kit overview




The first-aid kit (1) is located in the trunk on the left in the stowage net.

Depending on the respective vehicle version, the first-aid kit (1) may be located in other positions in the trunk.

## Map data update overview

As the content of a digital road map has a short life, outdated data may have a negative effect on all navigation functions. For the best MBUX navigation experience, you should install all of the map updates offered by Mercedes-Benz.

**THE FOLLOWING OPTIONS ARE AVAILABLE FOR THE UPDATE OF MAP DATA:**

- Online map update
- Update via the customer profile on the Mercedes-Benz website
- Update at an authorized Mercedes-Benz Center
  Additional costs can be incurred in this process.

**ONLINE MAP UPDATE**
**REQUIREMENTS:**

- Digital Extras are available.
- You have a Mercedes me ID.
- The Digital Extra Online Map Update is available for your region.
- The Digital Extra has been activated.

Installation takes place in the background as an automatic map update.

The MBUX multimedia system installs all of the available map updates for the North American regions in which the vehicle is located or is moved.

The online map update is activated at the latest after the next time the vehicle is switched on.

**UPDATES VIA THE MERCEDES-BENZ PORTAL**
The map data for several regions can also be updated manually. Log in with your Mercedes me ID at: https://www.mercedes-benz.de/

Click on your account at the top right and follow the menu path My dashboard > Manage vehicle > Manage Digital Extras > Online Map Update. Select the regions to be downloaded to a storage medium.

After the map data has been copied, connect the storage medium with your vehicle. Select the notification with information about a new version of the map data and start the installation. After the MBUX multimedia system has been restarted, the updated map data is used.

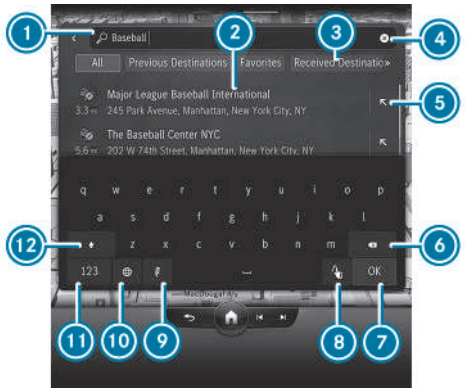
## Entering a POI or address

**Requirements:**

- **For the online search:**
  - There is an Internet connection.
  - Digital Extras are available.
  - You have created a Mercedes me ID.
  - The vehicle is linked to the Mercedes me ID and you have accepted the terms of use.
  - Further information can be found at: https://www.mercedes.me
  - The Digital Extra is available.
  - The Digital Extra has been activated at an authorized Mercedes-Benz Center.

If Online Search is not available, the search is performed using the data of the digital map.

Multimedia system:




Example: entering a POI or address

1. Input line with current entry
2. Search result
3. Selects destination search, displays further destination searches with double arrow
4. Deletes an entry
5. Adopts the search result in the input line and continues the search
6. Deletes the last character entered
7. Hides the keypad
8. Switches to further entries
9. Starts the MBUX Voice Assistant (⟶ page 494)
10. Sets the written language
11. Switches to digits and special characters
12. Switches to upper-case or lower-case letters

► Enter a destination. The entries can be made in any order.
The search results are displayed in a list.

Online search results for POIs may contain additional information, for example opening times and ratings. The information is provided by an online map service.
This online function is not available in all countries.

**THE FOLLOWING ENTRIES CAN BE MADE, FOR EXAMPLE IN 1:**

- City, street, house number or street, city
- Zip code
- POI name or POI category, e.g. Restaurants
- City, POI name
- Contact name
- Intersections in the following entry format: "road A" and "road B"
- Geo-coordinates (⟶ page 567)

► Hide the keyboard with OK.

► Select the destination in the list.
The following menu shows the selected destination with the address information and a corresponding map section.
The menu enables the route to be calculated.

# Searching for radio stations using station names or frequency entry

Multimedia system:

→ Home » Radio

- Select [search].
- Enter a station name or frequency.
- Select a station.

# Luggage and loading

## Attaching a roof luggage rack

**WARNING**
Risk of accident due to exceeding the maximum roof load

The vehicle center of gravity and the usual driving characteristics as well as the steering and braking characteristics alter.

If you exceed the maximum roof load, the driving characteristics, as well as steering and braking, will be greatly impaired.

- ► Never exceed the maximum roof load and adjust your driving style.

Vehicle-specific weight information can be found on the vehicle identification plate.

**NOTE**
Vehicle damage due to failure to observe the maximum permissible clearance height

If the vehicle height exceeds the maximum permissible clearance height, the roof and other vehicle parts may be damaged.

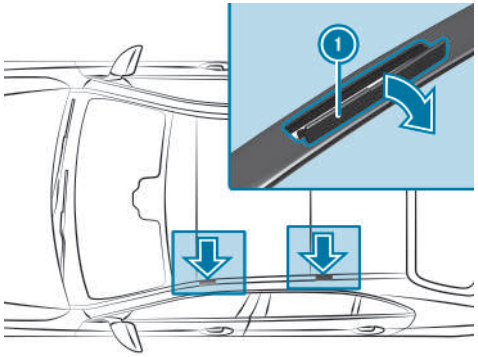
- ► Please observe the maximum clearance height indicated.
- ► If the vehicle exceeds the permissible clearance height, do not drive in.
- ► Take the modified vehicle height into account in the case of roof superstructures or other carrier systems.

**NOTE**
Damage to the panorama roof with power tilt/sliding panel due to non-approved roof luggage racks

The panorama roof with power tilt/sliding panel may be damaged by the roof luggage rack if you attempt to open it when using a roof luggage rack not tested and approved for Mercedes-Benz.

- When a roof luggage rack is installed, open the panorama roof with power tilt/sliding panel only if this has been tested and approved for Mercedes-Benz.

The panorama roof with power tilt/sliding panel may be raised to allow ventilation of the vehicle interior.




**NOTE**
Damage to the covers

The covers may be damaged and scratched when being opened.

- Do not use metallic or hard objects.
- Fold covers (1) carefully upwards in the direction of the arrow.
- Secure the roof luggage rack to the fastening points beneath covers (1).
- Comply with the installation instructions of the roof luggage rack manufacturer.
- Secure the load on the roof luggage rack.

## Folding the rear seat backrests forwards

**WARNING**
Risk of becoming trapped when adjusting the seats

When you adjust a seat, you may trap yourself or a vehicle occupant.

- When adjusting a seat, make sure that no one has any body parts in the sweep of the seat.

**WARNING**
Risk of an accident because the seat backrest is not engaged

The seat backrest may fold forwards.

**THERE IS A RISK OF THE FOLLOWING, IN PARTICULAR:**

- The vehicle occupant may be pressed against the seat belt. The seat belt cannot protect as intended and could cause additional injury.
- A child restraint system is no longer properly supported or properly positioned and may no longer fulfill its function as intended.
- The seat backrest cannot restrain objects or goods in the trunk or cargo compartment.

**ALWAYS ENSURE THAT THE SEAT BACKREST IS ENGAGED, ESPECIALLY:**

- After the seat has been adjusted.
- After the cargo compartment enlargement has been folded forwards

Ensure that the red marking of the lock verification indicator is no longer visible. Otherwise, the seat backrest will not be locked.

Always ensure that all vehicle occupants have their seat belts fastened correctly and are sitting properly. Particular attention must be paid to children.

**Requirements:**

- The rear seat backrest head restraints are fully inserted.
- The rear armrest has been folded up.

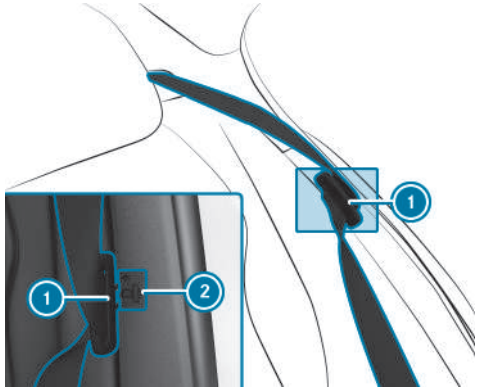
**FOLDING THE REAR OUTER SEAT BACKRESTS FORWARDS**

You can fold the center and right seat backrests forwards separately.

The left seat backrest can be folded forwards only together with the center seat backrest.

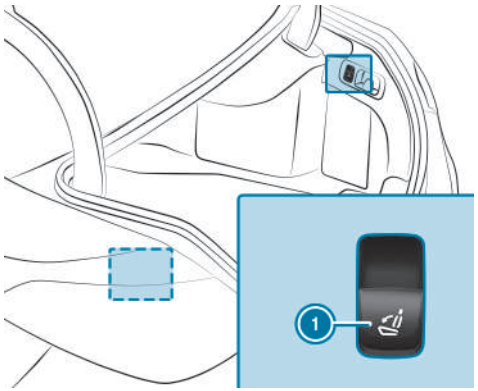
If you no longer require the folded-down rear seat backrest as a load area, fold the backrest back into place.

► Ensure that the center seat backrest is in an upright position and locked to the left seat backrest (⟶ page 250).




► Press the seat belt tongue of the seat belt (1) into the marked position (2).

► Move the driver's seat or front passenger seat forwards as necessary.




- **To fold the left seat backrest forward:** briefly press the left button (1).

  The left seat backrest will fold forwards together with the center seat backrest.

  If the left seat backrest is not locked with the center seat backrest, this will be shown on the central display.

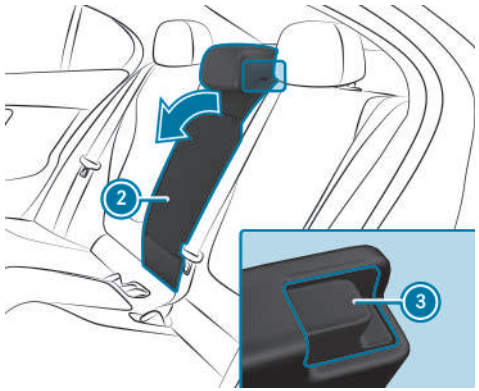
- **To fold the right seat backrest forwards:** briefly press the right button (1).

  The right seat backrest will fold forwards.

ⓘ If you wish to fold only one of the outer seat backrests forwards, fold the right seat backrest forwards.

**FOLDING THE CENTER REAR SEAT BACKREST FORWARDS SEPARATELY**

If you no longer require the folded-down seat backrest as a loading area, fold the backrest back into place.




- Press the release catch (3).
- Fold the seat backrest (2) forwards.

## Folding the rear seat backrest back

⚠ **WARNING**
Risk of becoming trapped when adjusting the seats

When you adjust a seat, you may trap yourself or a vehicle occupant.

- When adjusting a seat, make sure that no one has any body parts in the sweep of the seat.

**WARNING**
Risk of an accident because the seat backrest is not engaged

The seat backrest may fold forwards.

**THERE IS A RISK OF THE FOLLOWING, IN PARTICULAR:**

- The vehicle occupant may be pressed against the seat belt. The seat belt cannot protect as intended and could cause additional injury.
- A child restraint system is no longer properly supported or properly positioned and may no longer fulfill its function as intended.
- The seat backrest cannot restrain objects or goods in the trunk or cargo compartment.

**ALWAYS ENSURE THAT THE SEAT BACKREST IS ENGAGED, ESPECIALLY:**

- After the seat has been adjusted.
- After the cargo compartment enlargement has been folded forwards

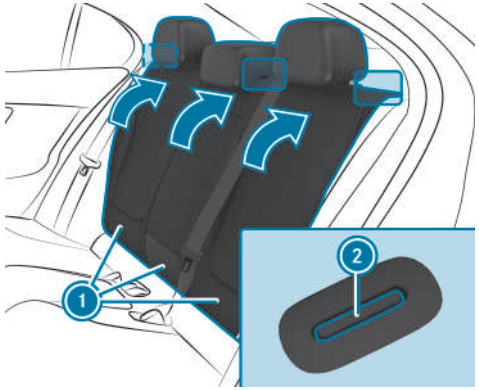
Make sure that the red marking of the lock verification indicator is no longer visible. Otherwise, the seat backrest is not locked.

Always ensure that all vehicle occupants have their seat belts fastened correctly and are sitting properly. Particular attention must be paid to children.

**NOTE**
Damage caused by trapping the seat belt when folding back the seat backrest

The seat belt could become trapped and thus damaged when the seat backrest is folded back.

► Make sure that the seat belt is not trapped when folding back the seat backrest.




► Move the driver's or front passenger seat forwards, if necessary.

► Swivel seat backrest (1) back until it engages.

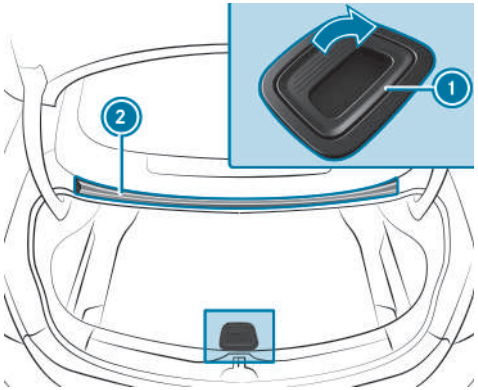
If the seat backrest is not engaged and locked in place, red lock verification indicator (2) will be visible.

# Opening the stowage space under the trunk floor

**NOTE**
Damage to the handle in the trunk floor

If the handle in the trunk is left protruding, the handle may be damaged.

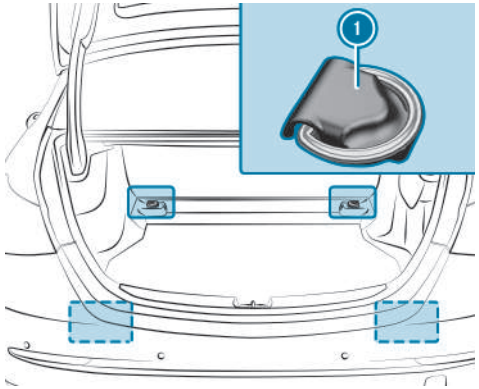
- Before closing the trunk lid, detach the handle and press it down closed again.




- Pull handle (1) up and hook it to top seal (2) of the cargo compartment.

# Overview of the tie-down eyes

Observe the notes on loading the vehicle (→ page 242).




(1) Tie-down eyes

# Overview of the front storage compartments

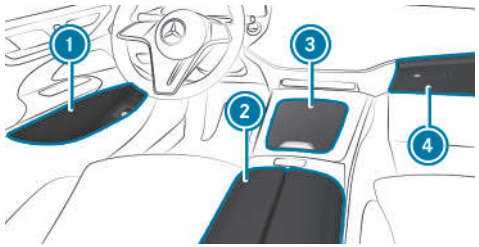
**WARNING**
Risk of injury due to objects being stowed incorrectly

If objects in the vehicle interior are stowed incorrectly, they can slide or be thrown around and hit vehicle occupants. In addition, cup holders, open storage spaces and mobile phone brackets cannot always retain all objects they contain.

There is a risk of injury, particularly in the event of sudden braking or a sudden change in direction.

- Always stow objects in such a way that they cannot be thrown around in such situations.
- Always make sure that objects do not protrude from storage spaces, parcel nets or storage nets.
- Close the lockable storage spaces before starting a journey.
- Always stow and secure heavy, hard, pointed, sharp-edged, fragile or bulky objects in the trunk.

Observe the notes on loading the vehicle.




1. Stowage spaces in the doors
2. Stowage and telephone compartment beneath the armrest with USB ports
3. Storage compartment in the front center console, with cup holders, USB ports and charging module for wireless charging of mobile phones depending on the vehicle version
4. Glove box

The compartment under armrest 2 and the storage compartment in center console 3 are connected via a channel so that cables can be routed through them. This allows, for example, USB connection cables for connecting devices to be stowed in both compartments.

The rubber mat in the storage compartment in front center console 3 can be removed for cleaning with clean, lukewarm water. Observe the notes on caring for the interior (→ page 678).

# Locking/unlocking the glove box

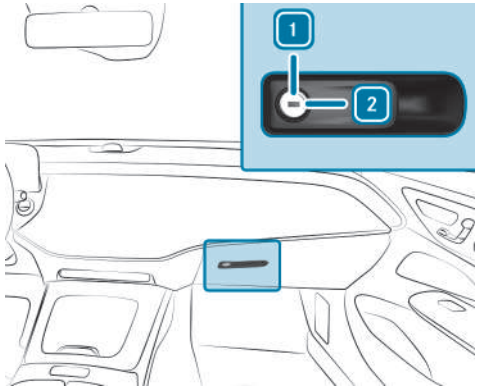
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- Close the lockable storage spaces before starting a journey.
- Always stow and secure heavy, hard, pointed, sharp-edged, fragile or bulky objects in the trunk.

Observe the information on loading the vehicle.




- Turn the emergency key a quarter turn clockwise 2 (to lock) or counter-clockwise 1 (to unlock).

# Ice and snow

## Notes on regularly inspecting wheels and tires

**WARNING**
Risk of injury through damaged tires

Damaged tires can cause tire pressure loss.

► Check the tires regularly for signs of damage and replace any damaged tires immediately.

**WARNING**
Risk of hydroplaning due to insufficient tire tread

Insufficient tire tread will result in reduced tire grip. There is a risk of an accident.

On a wet road surface the risk of hydroplaning is increased, in particular where speed is not adapted to suit the conditions.

► Check the tread depth and the condition of the tire contact surface across the entire width of all tires on a regular basis.

**MINIMUM TREAD DEPTH FOR**

- summer tires: ⅛in (3 mm)
- M+S tires: ⅙in (4 mm)

► For safety reasons, replace the tires before the legally-prescribed limit for the minimum tread depth is reached.

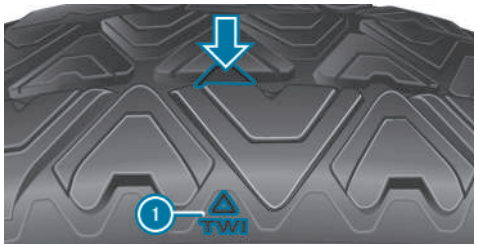
► Replace the tires immediately if the legally-prescribed limit for the minimum tread depth is reached.

**CARRY OUT THE FOLLOWING CHECKS ON ALL WHEELS REGULARLY, AT LEAST ONCE A MONTH OR AS REQUIRED, FOR EXAMPLE, PRIOR TO A LONG JOURNEY OR DRIVING OFF-ROAD:**

- Check the tire pressure (→ page 719).

- Visually inspect wheels and tires for damage.
- Check the valve caps.
- Visual check of the tire tread depth and the tire contact surface across the entire width.

  The minimum tread depth for summer tires is ⅛ in (3 mm) and for winter tires ⅙ in (4 mm).




Six marks (1) show where the bar indicators (arrow) are integrated into the tire tread. They are visible once a tire tread depth of approximately 1/16 in (1.6 mm) has been reached.

## Notes on snow chains

**WARNING**
Risk of accident due to incorrectly installed snow chains

If you have installed snow chains on the front wheels, they may drag against the vehicle body or chassis components.

► Never install snow chains on the front wheels.

► Only install snow chains on the rear wheels in pairs.

**NOTE**
Damage to body or suspension parts caused by installed snow chains

Installing snow chains on the front wheels of 4MATIC models can damage body or suspension parts.

► Only install snow chains on the rear wheels of 4MATIC models.

**NOTE**
Damage to wheel trims caused by installed snow chains

Installing snow chains on aluminum wheels can damage the wheel trims.

► Remove the wheel trims from the aluminum wheels before installing snow chains.

**OBSERVE THE FOLLOWING NOTES WHEN USING SNOW CHAINS:**

- Snow chains are only permissible for certain wheel/tire combinations. You can obtain information about this from an authorized Mercedes-Benz Service Center.
- For safety reasons, only use snow chains that have been specifically approved for your vehicle by Mercedes-Benz, or snow chains of the same quality standard.
- Comply with the installation instructions of the snow chain manufacturer.
- If snow chains are installed, the maximum permissible speed is 30 mph (50 km/h).
- **Vehicles with Active Parking Assist:** do not use Active Parking Assist when snow chains are installed.

You can deactivate ESP® to start off (→ page 397). This allows the wheels to spin, achieving increased tractive power.

## Notes on windshield washer fluid

Observe the notes on operating fluids (→ page 821).

**WARNING**
- Risk of fire and injury from windshield washer concentrate

Windshield washer concentrate is highly flammable. It could ignite if it comes into contact with hot engine component parts or the exhaust system.

► Make sure that no windshield washer concentrate spills out next to the filler opening.

**NOTE**
Damage to the exterior lighting due to unsuitable windshield washer fluid

Unsuitable windshield washer fluid may damage the plastic surface of the exterior lighting.

► Only use windshield washer fluid which is also suitable for use on plastic surfaces, e.g. MB SummerFit or MB WinterFit.

**NOTE**
Blocked spray nozzles caused by mixing windshield washer fluids

► Do not mix MB SummerFit and MB WinterFit with other windshield washer fluids.

Do not use distilled or de-ionized water. Otherwise, the fill level sensor may be actuated incorrectly.

**RECOMMENDED WINDSHIELD WASHER FLUID:**

- above freezing point:MB SummerFit, for example
- below freezing point:MB WinterFit, for example

For the correct mixing ratio, refer to the information on the antifreeze container.

Mix washer fluid with windshield washer fluid all year round.

## Filling the windshield washer system

**DANGER**
Risk of fatal injuries when carrying out maintenance work during the charging process

During the charging process, the high-voltage on-board electrical system is under high voltage.

► Do not perform any maintenance work during the charging process.

**WARNING**
Risk of burns when opening the hood

**IF YOU OPEN THE HOOD IN THE EVENT OF AN OVERHEATED ENGINE OR FIRE IN THE ENGINE COMPARTMENT, THE FOLLOWING SITUATIONS MAY OCCUR:**

- You may come into contact with hot gases.
- You may come into contact with other escaping hot operating fluids.

► Before opening the hood, allow the engine to cool down.

► In the event of a fire in the engine compartment, keep the hood closed and call the fire service.

**WARNING**
Risk of injury due to moving parts

Components in the engine compartment may continue to run or start unexpectedly even when the drive system is switched off.

Observe the following if you must open the hood:

► Switch off the vehicle.

► Never touch the danger zones surrounding moving components, e.g. the rotation area of the fan.

► Remove jewelery and watches.

► Keep items of clothing and hair away from moving parts.

**WARNING**
Risk of burns from hot component parts in the engine compartment

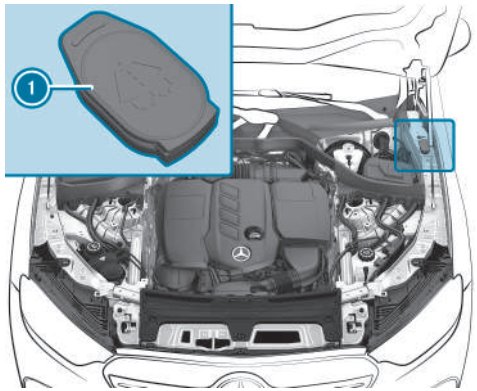
Certain component parts in the engine compartment can be very hot, e.g. the engine, the cooler and parts of the exhaust system.

► Allow the engine to cool down and only touch component parts described in the following.

**WARNING**
- Risk of fire and injury from windshield washer concentrate

Windshield washer concentrate is highly flammable. It could ignite if it comes into contact with hot engine component parts or the exhaust system.

► Make sure that no windshield washer concentrate spills out next to the filler opening.



- Open the cap (1) by pulling on the front protrusion.
- Add washer fluid.

## Replacing the windshield wiper blades

**WARNING**
Risk of becoming trapped if the windshield wipers are switched on while wiper blades are being replaced

If the windshield wipers begin to move while you are changing the wiper blades, you can be trapped by the wiper arm.

- Always switch off the windshield wipers and vehicle before changing the wiper blades.

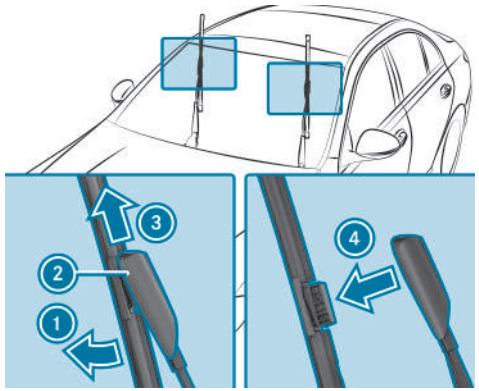
### MOVING THE WIPER ARMS INTO THE REPLACEMENT POSITION

- Switch the vehicle on and then off again immediately.
- Within around 15 seconds, press and hold the button on the combination switch for approximately three seconds (→ page 280).

  The wiper arms move into the replacement position.

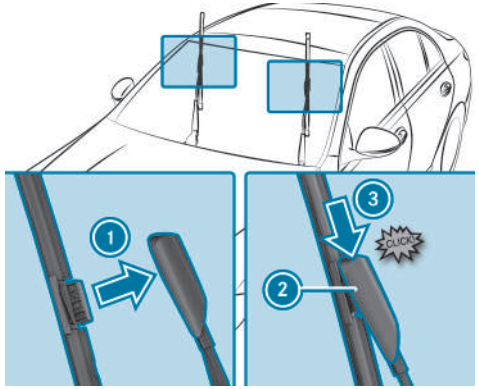
### REMOVING THE WIPER BLADES

- Fold the wiper arms away from the windshield.




- Hold the wiper arm with one hand. With the other hand, turn the wiper blade away from the wiper arm in the direction indicated by the arrow (1) as far as it will go.
- Slide the catch (2) in the direction indicated by the arrow (3) until it engages in the removal position.
- Remove the wiper blade from the wiper arm in the direction indicated by the arrow (4).

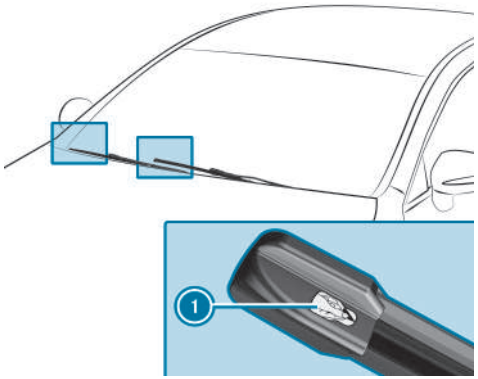
### FITTING THE WIPER BLADES



- Insert the new wiper blade into the wiper arm in the direction indicated by the arrow (1).
- Slide the catch (2) in the direction indicated by the arrow (3) until it engages in the locking position.
- Ensure that the wiper blade is seated correctly.
- Fold the wiper arms back onto the windshield.
- Switch on the vehicle.
- Press the button on the combination switch.
  The wiper arms will return to their original positions.
- Switch off the vehicle.

**SERVICE INDICATOR**

There is a service indicator at the tip of the newly mounted wiper blades.

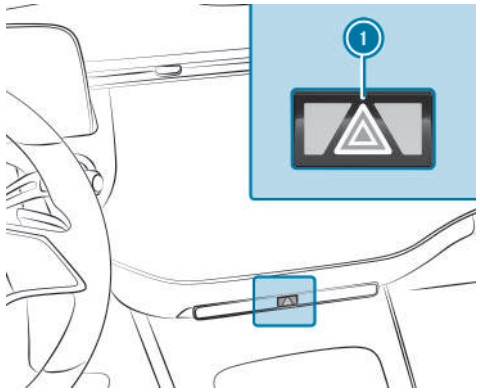



- Remove the protective film (1) from the service indicator.

When the color of the service indicator changes from black to yellow, the wiper blades should be replaced.

# Help in the event of a breakdown

## Activating/deactivating the hazard warning lights

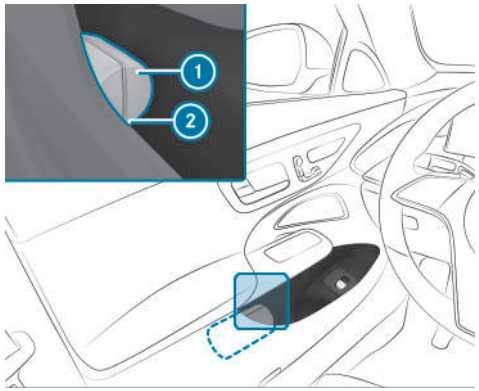



► Press the button (1).

**IN THE FOLLOWING SITUATIONS, THE HAZARD WARNING LIGHTS WILL SWITCH ON AUTOMATICALLY:**

- An airbag was deployed.
- An emergency stop has been initiated (⟶ page 417)

## Removing the safety vest

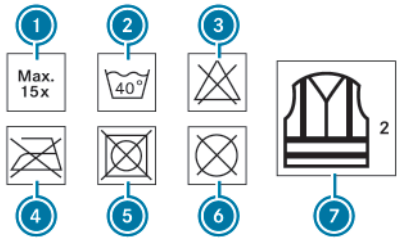



There is a safety vest stowage recess in the door stowage compartments of all doors for storing a safety vest.

► To remove: pull out the safety vest bag (1) using the loop (2).

► Open the safety vest bag (1) and take out the safety vest.
► To replace: fold the safety vest, roll it up and insert it into the safety vest bag (1).
► Slide the safety vest bag (1) along the underside of the armrest into the safety vest stowage recess. Ensure that the loop (2) remains hanging out so that it is easy to grasp.

ⓘ Remove the packaging film from a new safety vest before sliding it into the safety vest stowage recess. Otherwise, it may slide out unintentionally or the packaging may hinder its removal.
Observe the legal requirements for the individual countries.




1. Maximum number of washes
2. Maximum wash temperature
3. Do not bleach
4. Do not iron
5. Do not tumble dry
6. Do not dry clean
7. Class 2 safety vest

The requirements defined by the legal standard are only fulfilled if the safety vest is the correct size and is fully closed.

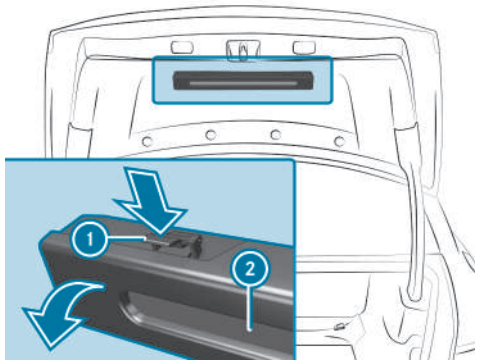
**REPLACE THE SAFETY VEST IN THE FOLLOWING CASES:**

- The reflective strips are damaged or dirty.
- The maximum permissible number of washes is exceeded.
- The fluorescence property diminishes, e.g.due to permanent exposure to sunlight.

**DISPOSE OF THE SAFETY VEST IN AN ENVIRONMENTALLY-FRIENDLY WAY:**

- Please contact your local waste disposal company.

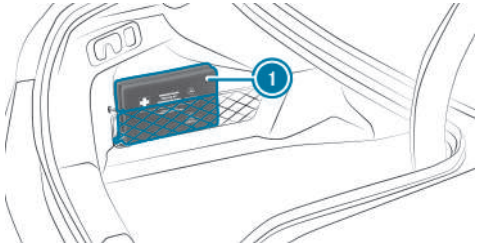
## Removing the warning triangle




- ► Push both sides of the warning triangle holder (1) in the direction indicated by the arrow and open.
- ► Remove the warning triangle (2).

The warning triangle is located in the trunk lid.

## First-aid kit overview




The first-aid kit (1) is located in the trunk on the left in the stowage net.

Depending on the respective vehicle version, the first-aid kit (1) may be located in other positions in the trunk.

## QR codes for the rescue card

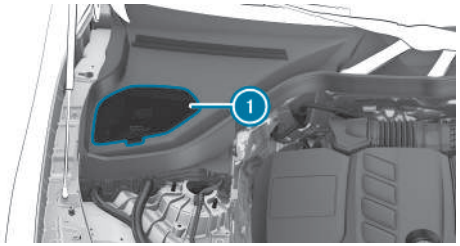
QR codes are attached in the fuel filler flap and on the opposite side on the B-pillar. In the event of an accident, rescue services can use the QR code to quickly find the appropriate rescue card for your vehicle. The current rescue card contains the most important information about your vehicle (e.g. the routing of the electric lines) in compact form.

Additional information can be obtained at: https://rk.mb-qr.com/de/

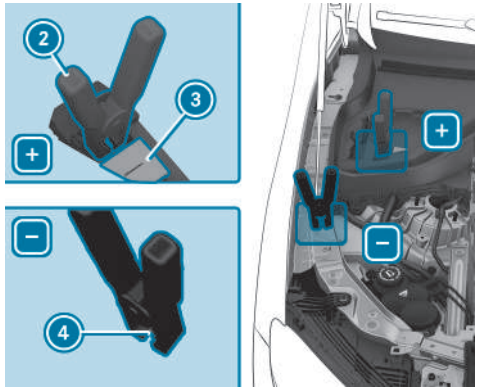
## Starting assistance and charging the 12 V battery

### PREPARING STARTING ASSISTANCE/CHARGING

- Secure the vehicle by applying the electric parking brake.
- Shift the transmission to position P.
- Switch off the vehicle and all electrical consumers.
- Open the hood.




- Open cover (1) of the jump-start connection point.




- Open cover (3) of positive contact (2) on the jump-start connection point.

### STARTING ASSISTANCE

- Connect positive terminal (2) on your vehicle to positive terminal of the donor battery using the jumper cable. Always begin with positive clamp (2) on your own vehicle first.
- Start the engine of the donor vehicle and run it at idling speed.
- Connect the negative terminal of the donor battery to ground point (4) of your vehicle using the jumper cable. Begin with the donor battery first.
- Start the engine of your own vehicle.
- Let the engines run for several minutes.
- Before disconnecting the jumper cables, switch on an electrical consumer in your own vehicle, e.g. the rear window defroster or the lighting.

When the starting assistance procedure is complete:

- Remove the jumper cables from ground point (4) first and the negative terminal of the donor battery, then from positive contact (2) and the positive terminal of the donor battery. Begin each time with the contacts on your own vehicle first.
- Close cover (3) of positive terminal (2) after removing the jumper cables.
- Close cover (1).

If your vehicle has been started with starting assistance, it may not be possible to use the electric drive for approximately 30 minutes.

Further information can be obtained at a qualified specialist workshop.

**CHARGING**

- Connect positive contact (2) on the vehicle to the positive terminal of the charger using the charging cable. Always begin with positive contact (2) on the vehicle.
- Connect the negative terminal of the charger and ground point (4) on the vehicle with the charging cable. Start with the charger.
- Start the charging process.

When the charging process is complete:

- Remove the charging cable from ground point (4) first and the negative terminal of the charger, then from positive contact (2) and the positive terminal of the charger. Begin each time with the contacts on the vehicle.
- After removing the charging cable, close cover (3) of positive contact (2).
- Close cover (1).

Further information can be obtained at a qualified specialist workshop.

## Notes on electrical fuses

**WARNING**
Risk of accident and injury due to overloaded lines

If you manipulate or bridge a faulty fuse or if you replace it with a fuse with a higher amperage, the electric line could be overloaded.

This could result in a fire.

- Always replace faulty fuses with specified new fuses containing the correct amperage.

**NOTE**
Damage due to incorrect fuses

Using incorrect fuses can result in damage to electrical components or systems or their functions being considerably restricted.

- Use only fuses approved for Mercedes-Benz with the respective specified fuse rating.

Replace blown fuses with equivalent fuses, identifiable by their color and label. The fuse ratings and further information to be observed can be found in the fuse assignment diagram.

**Fuse assignment diagram:** on the fuse box in the trunk (⟶ page 712).

**NOTE**
Damage or malfunctions caused by moisture

Moisture may cause damage to the electrical system or cause it to malfunction.

- When the fuse box is open, make sure that no moisture can enter the fuse box.
- When closing the fuse box, make sure that the seal of the lid is positioned correctly on the fuse box.

If the newly inserted fuse also blows, have the cause determined and rectified at a qualified specialist workshop.

**ENSURE THE FOLLOWING BEFORE REPLACING A FUSE:**

- The vehicle is secured against rolling away.
- All electrical consumers are switched off.
- The vehicle is switched off.

**THE ELECTRICAL FUSES ARE LOCATED IN VARIOUS FUSE BOXES:**

- Fuse box in the engine compartment on the driver's side (⟶ page 710)
- Fuse box on the driver's side of the cockpit (⟶ page 711)
- Fuse box in the front passenger footwell (⟶ page 711)
- Fuse box in the trunk (⟶ page 712)

# Notes in the event of a flat tire

**WARNING**
Risk of accident due to a flat tire

A flat tire severely affects the driving characteristics as well as steering and braking.

**Tires without run-flat characteristics:**

- Do not drive on with a flat tire.
- Change the flat tire immediately with an emergency spare wheel or spare wheel. Alternatively, consult a qualified specialist workshop.

**Tires with run-flat characteristics:**

- Observe the information and warning notes on MOExtended tires (run-flat tires).

**IN THE EVENT OF A FLAT TIRE, THE FOLLOWING OPTIONS ARE AVAILABLE DEPENDING ON YOUR VEHICLE'S EQUIPMENT:**

- **Vehicles with MOExtended tires:** it is possible to continue the journey for a short period of time. Make sure you observe the notes on MOExtended tires (run-flat tire) (⟶ page 685).
- **Vehicles with a TIREFIT kit:** you can seal the tire so that it is possible to continue the journey for a short period of time. To do this, use the TIREFIT kit (⟶ page 686).
- **Vehicles with Mercedes-Benz Support:** in the event of a breakdown, you can make a breakdown call via the overhead control panel (⟶ page 622).

- **All vehicles:** change the wheel (⟶ page 743).

ⓘ The emergency spare wheel is only available in certain countries (⟶ page 750).
Vehicles with MOExtended tires are not equipped with a TIREFIT kit at the factory. If you retrofit your vehicle with tires without run-flat properties, e.g., winter tires, you should also equip it with a TIREFIT kit. You can obtain a TIREFIT kit in a qualified specialist workshop.
**Vehicles with a Mercedes-Benz emergency call system which are not equipped with a TIREFIT kit:** in the event of a flat tire, consult the Mercedes-Benz emergency call system Customer Assistance Center.

## Overview of the tire-change tool kit

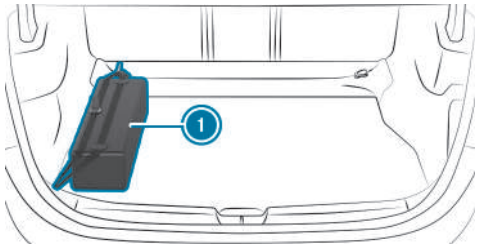
With the exception of some country-specific variants, vehicles are not equipped with a tire-change tool kit. Consult a qualified specialist workshop to find out which tire-change tool kit is necessary and approved for a wheel change on your vehicle.

**YOU REQUIRE THE FOLLOWING TOOLS, FOR EXAMPLE, TO CHANGE A WHEEL:**

- Jack
- Chock
- Wheel wrench
- Centering pin

The tire-change tool kit is located in the tool bag (1) in the trunk.

ⓘ When stowing the tool bag, ensure that it is adequately secured.

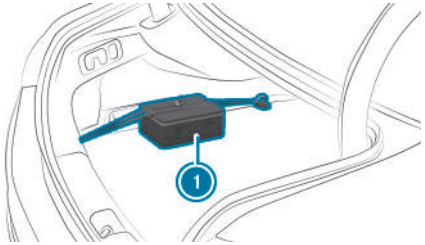



**THE TOOL BAG CONTAINS:**

- Jack
- Gloves
- Wheel wrench
- Centering pin
- Folding chock
- Ratchet wrench for jack

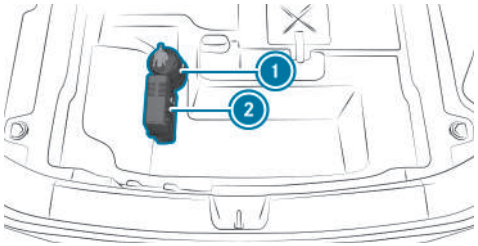
## TIREFIT kit storage location

**PLUG-IN HYBRID**



The TIREFIT kit (1) is located on the left-hand side of the trunk upon delivery of the vehicle.

**Not plug-in hybrid**




(1) Tire sealant bottle
(2) Tire inflation compressor

The TIREFIT kit is located under the trunk floor upon delivery of the vehicle.

Depending on the vehicle version, the TIREFIT kit may be located in a different position in the trunk.

**DEPENDING ON THE RESPECTIVE POWER CATEGORY (LK), THE TIRE INFLATION COMPRESSOR WEIGHS AS FOLLOWS:**

- LK2 – 12 V/15 A, 180 W, 2 lbs (0.9 kg)

You can find information on the power category (LK) and/or electrical data on the back of the tire inflation compressor.
The tire inflation compressor is maintenance-free. In the event of a malfunction, please contact a qualified specialist workshop.

## Towing the vehicle with both axles on the ground

- Observe the notes on permitted towing methods (⟶ page 700).
- Plug-in hybrid: observe the notes on permitted towing methods (⟶ page 701).
- Ensure that the battery is connected and charged.

**OBSERVE THE FOLLOWING POINTS WHEN THE BATTERY IS DISCHARGED:**

- The vehicle cannot be started.
- The electric parking brake cannot be released or applied.
- **Vehicles with automatic transmission:** The transmission cannot be shifted to position N or P.

**Vehicles with automatic transmission:** If the transmission cannot be shifted to position N or if the display does not show anything, transport the vehicle (⟶ page 704, 706). A tow truck with lifting equipment is required for vehicle transport.

**NOTE**
Damage due to towing away at excessively high speeds or over long distances

The drivetrain could be damaged when towing at excessively high speeds or over long distances.

- A towing speed of 30 mph (50 km/h) must not be exceeded.
- A towing distance of 30 miles (50 km) must not be exceeded.

**WARNING**
Risk of accident when towing a vehicle with too much weight

**IF THE VEHICLE TO BE TOWED IS HEAVIER THAN THE PERMISSIBLE GROSS MASS OF YOUR VEHICLE, THE FOLLOWING SITUATIONS CAN ARISE:**

- The towing eye breaks off.
- The combination oscillates and can capsize.

- Before towing, check whether the vehicle to be towed exceeds the permissible gross mass.

If a vehicle is to be towed away, its permissible gross mass must not exceed the permissible gross mass of the towing vehicle.

- Information on the permissible gross mass of the vehicle can be found on the vehicle identification plate (⟶ page 819).
- Fit the towing eye (⟶ page 707).
- Fasten the towing device.

**NOTE**
Damage due to incorrect connection of the tow bar

- Only connect the tow rope or tow bar to the towing eyes.

- Deactivate the automatic locking mechanism (⟶ page 194).
- Do not activate the HOLD function (⟶ page 400).
- Deactivate tow-away protection (⟶ page 217).
- Deactivate Active Brake Assist (⟶ page 429).
- **Vehicles with automatic transmission:** Shift the transmission to position N.
- **Vehicles with automatic transmission:** Do not open the driver's door or front passenger door; otherwise the transmission automatically shifts to position P.
- Release the electric parking brake.

**WARNING**
Risk of accidents due to restricted safety-related functions during towing

**SAFETY-RELEVANT FUNCTIONS WILL BE RESTRICTED OR NO LONGER AVAILABLE IN THE FOLLOWING SITUATIONS:**

- The vehicle is switched off.
- The brake system or the power steering is malfunctioning.
- The power supply or the on-board electrical system is defective.

If your vehicle is being towed, considerably more force may be required for steering and braking.

In addition, important vehicle display messages will not be visible if the driver display is faulty.

► Use a tow bar.

► Before towing, ensure that the driver's display is operational and the steering can move freely.

**NOTE**
Damage due to excessive tractive power

If you pull away sharply, the tractive power may be too high and the vehicles could be damaged.

► Pull away slowly and smoothly.

# Expert knowledge

## Additional functions of buttons

**OPENING AND CLOSING THE WINDOWS USING THE AIR-RECIRCULATION BUTTON (CONVENIENCE CLOSING/OPENING)**

When air-recirculation mode is activated, the side windows will be closed automatically, e.g. before you enter a tunnel. When air-recirculation mode is deactivated, the side windows will be moved back to their original position automatically.

**WARNING**
Risk of entrapment due to not paying attention during convenience closing

When the convenience closing feature is operating, parts of the body could become trapped in the closing area of the side window and the sliding sunroof.

- When the convenience closing feature is operating, monitor the entire closing process and make sure that no body parts are in the closing area.

**WARNING**
Risk of entrapment due to not paying attention during convenience closing

When the convenience closing feature is operating, parts of the body could become trapped in the closing area of the side windows.

- When the convenience closing feature is operating, monitor the entire closing process and make sure that no body parts are in the closing area.

- **To close windows:** press and hold the button in the climate bar in the central display or in the air conditioning control panel until the windows move.

  The windows close and air-recirculation mode switches on.

**WARNING**
Risk of entrapment from the convenience opening feature

During convenience opening parts of the body could be drawn in or become trapped between the side window and window frame.

- When opening, make sure that nobody is touching the side windows.
- If someone becomes trapped, immediately press the button in the door to open the side windows.
  The side windows stop.
- To continue closing the side windows, pull on the button.

- **To reopen closed windows:** press and hold the button in the climate bar in the central display or in the air conditioning control panel until the windows move.
  The windows move back to their original position and air-recirculation mode switches off.

**Vehicles with a sliding sunroof:** the sliding sunroof closes or opens simultaneously.

**IF BODY PARTS BECOME ENTRAPPED IN THE SLIDING SUNROOF:**

- **To stop:** press the button.
- **To open:** pull the button back.

**RESETTING THE CLIMATE CONTROL SETTINGS**

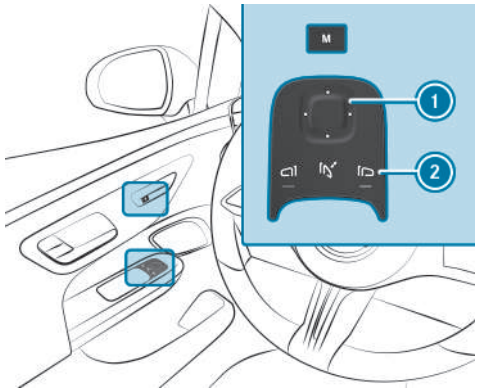
- Press and hold the Climate Menu entry on the climate bar of the multimedia system for four seconds.
  The climate control settings will be reset to the basic settings.

# Useful vehicle functions

**STORING THE PARKING POSITION OF THE FRONT-PASSENGER OUTSIDE MIRROR USING THE MEMORY BUTTON**

**Requirements:**

- Reverse gear has not been engaged.




- Use button (2) to select the front-passenger outside mirror.
- Move the front-passenger outside mirror into the desired parking position using button (1).
- Press the M button.
- Confirm immediately using button (1) to store the setting.

No more than three seconds may pass between the M button and button (1) being pressed. The mirror adjustment will be canceled after three seconds.

# Tips for on the move

**VEHICLE CONDITIONS FOR AUTOMATIC ENGINE STOP OR START**

**CONDITIONS FOR AUTOMATIC ENGINE STOP:**

- The ECO start/stop function is switched on.
- The brake system does not require a running engine.
- The atmospheric air pressure is within the range that is suitable for the system.
- The engine is at normal operating temperature.
- Engine diagnostics are not active.
- The transmission oil temperature is within the range that is suitable for the system.
- The temperature in the vehicle interior is within the set range.
- The fuel tank is sufficiently full.
- The system detects that there is no moisture on the windshield when the air conditioning system is switched on.
- The system does not detect a steep gradient.
- The hood is closed.

**CONDITIONS FOR AUTOMATIC ENGINE START:**

- The brake system requires a running engine.
- The atmospheric air pressure has exceeded the range that is suitable for the system.
- Engine diagnostics require a running engine.
- The transmission oil temperature has exceeded the range that is suitable for the system.
- The temperature in the vehicle interior deviates from the set range.
- The system detects moisture on the windshield when the air conditioning system is switched on.

# Deactivating the key's function

**Vehicles with KEYLESS-GO:** if you deactivate the key's function, the KEYLESS-GO functions will also be deactivated. Access or drive authorization via KEYLESS-GO will then no longer be possible with that key. Activate the function of the key so that all functions are available once again with this key.

You can also deactivate the key's function to reduce the key's energy consumption if you do not use the vehicle or a key for an extended period of time.

► Press and hold the [key button.

► With the [button pressed, immediately press the [key button twice in quick succession.

The indicator lamp of the key lights up once briefly, and then again for longer.

**YOU HAVE THE FOLLOWING OPTIONS TO REACTIVATE THE KEY:**

- Press any button on the key.
- Start the vehicle with the key in the marked space in the center console (⟶ page 312).

# Overview of the Mercedes-Benz emergency call system

eCall can help to reduce the time between an accident and the arrival of emergency services at the site of the accident. It helps locate an accident site in places that are difficult to access. However, even if a vehicle is equipped with eCall, this does not mean the system is ON. As such, eCall does not replace dialing 911 in the event of an accident.

An emergency call can be made automatically or manually.

Only make emergency calls if you or others are in need of rescue. Do not make an emergency call in the event of a breakdown or a similar situation.

**INFORMATION ON THE DISPLAY:**
SOS NOT READY: the vehicle is not on or eCall not available.

During an active emergency call, SOS appears in the display.

You can find more information on the regional availability of eCall at: https://www.mercedes-benz-mobile.com/extra/ecall/

ⓘ In case of a malfunction of the emergency call system, the loudspeakers, microphone, air bag or the SOS button, for example, are faulty.

**YOU CAN RECOGNIZE A MALFUNCTION IN THE EMERGENCY CALL SYSTEM BY THE FOLLOWING DISPLAYS:**

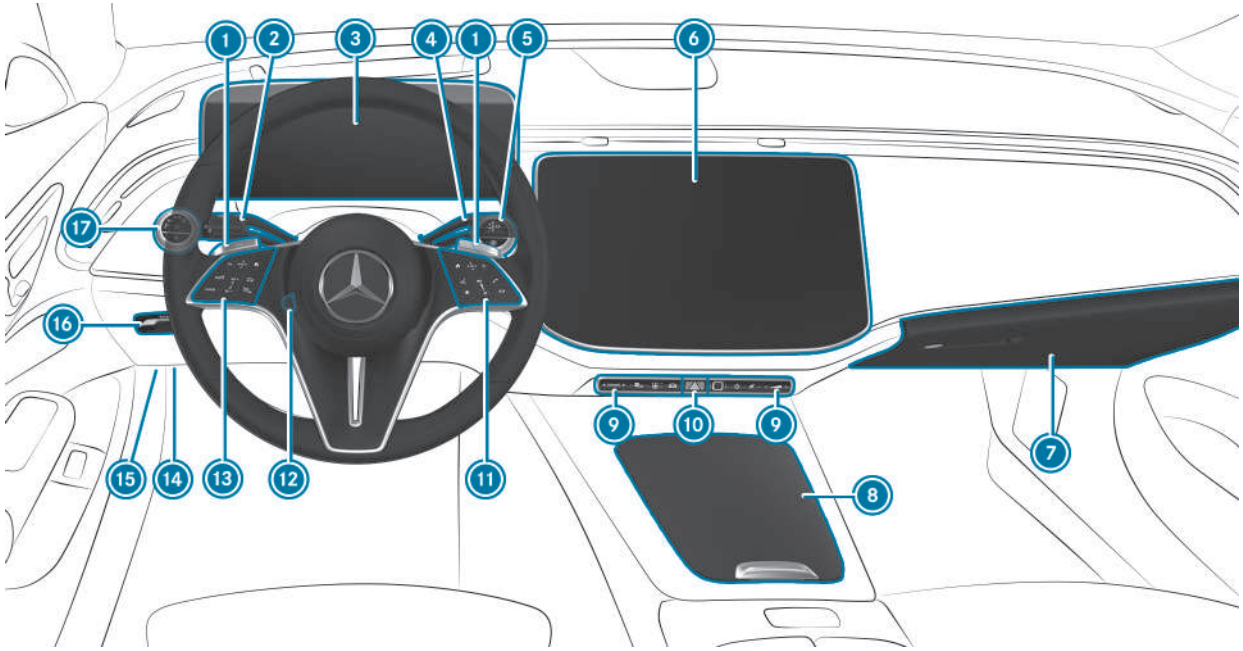
- A corresponding message appears on the driver and media display (⟶ page 927).
- The SOS button lights up red continuously.

# At a glance

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
You can return here at any time via the navigation bar at the top left.

Cockpit (central display)
Cockpit (MBUX Superscreen)
Cockpit (plug-in hybrid)
Indicator lamps and warning lamps (standard)
Indicator lamps and warning lamps (with driver camera)
Overhead control panel
Door operating unit and seat adjustment
Emergencies and breakdowns

# Cockpit (central display)




Left-hand drive vehicles

1 Steering wheel paddle shifters >

2 Combination switch >

3 Driver display >

4 DIRECT SELECT lever >

5 ENGINE START / STOP Start/stop button >

Ⓐ ECO start/stop function >

6 Central display >

7 Glove box >

8 Storage compartment >

9 Switch panel for:

DYNAMIC DYNAMIC SELECT button >

Active Parking Assist >

Quick vehicle access

Fingerprint sensor >

Switching the MBUX multi-media system on/off >

Switching the sound on/off >

Adjusting the volume >

10 Hazard warning light system >

11 Control panel for the MBUX multi-media system >

12 Adjusts the steering wheel >

13 Control panel:

Driver display >

Cruise control >

ON/OFF Active Distance Assist DISTRONIC >

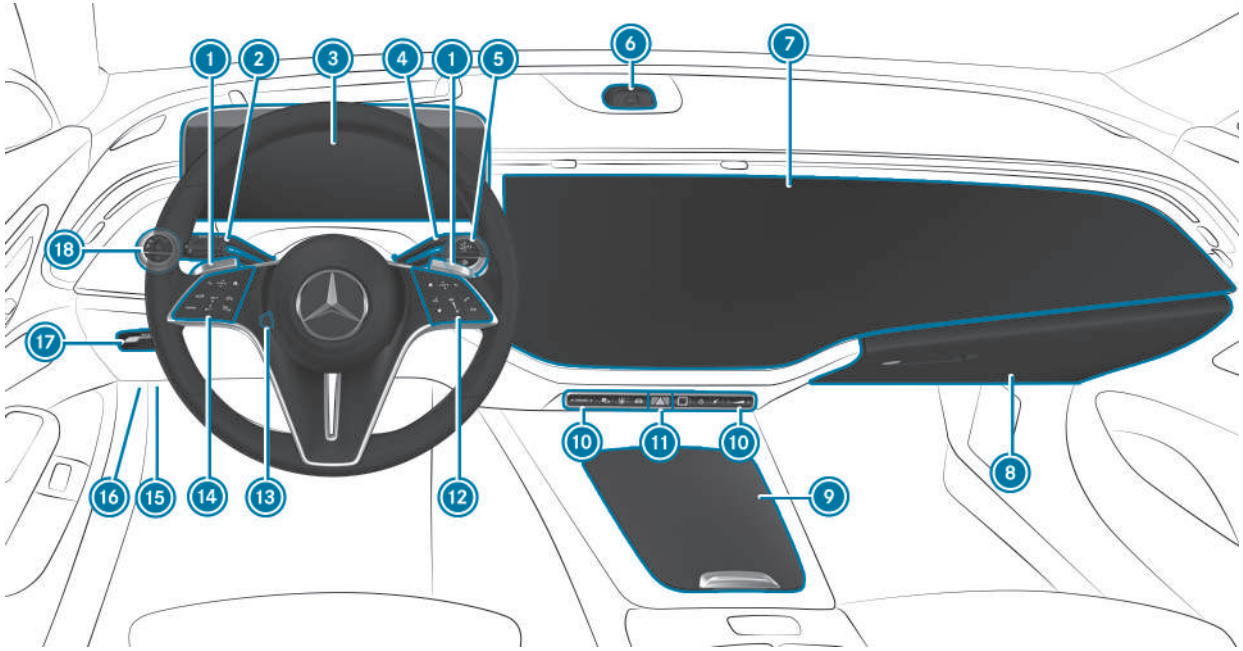
14 Diagnostics connection >

15 Opens the hood >

16 Ⓟ Electric parking brake >

17 Light switch >

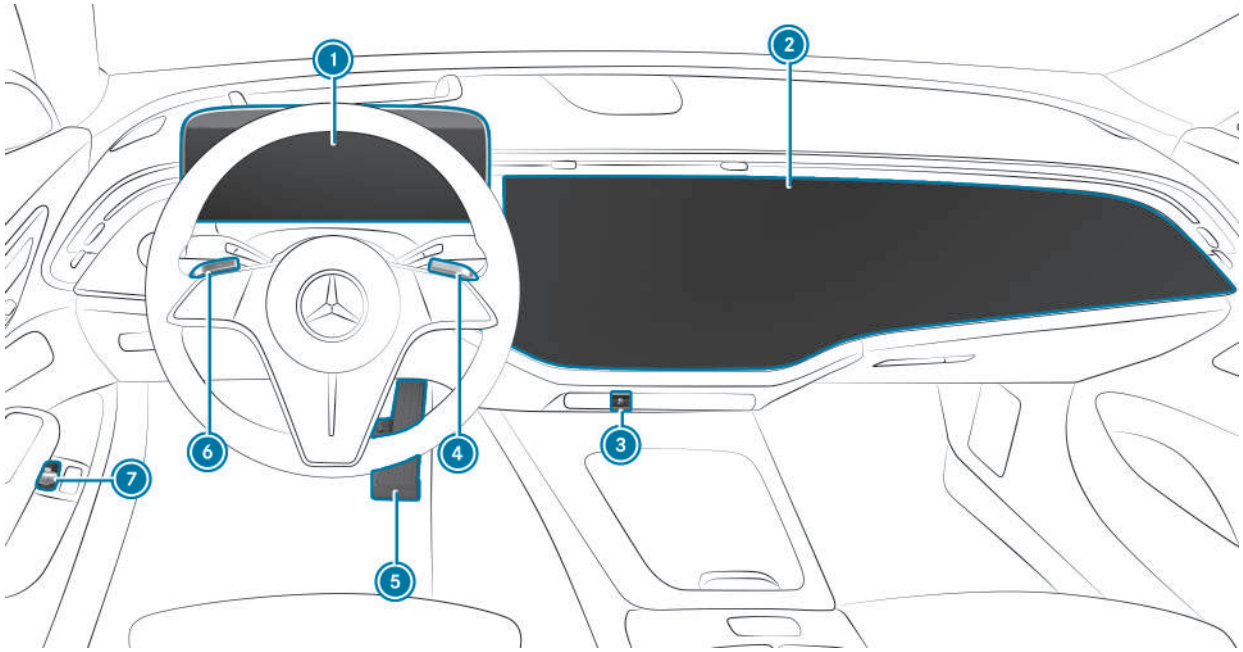
# Cockpit (MBUX Superscreen)




Left-hand drive vehicles

- 1 Steering wheel paddle shifters
- 2 Combination switch
- 3 Driver display
- 4 DIRECT SELECT lever
- 5 ENGINE START / STOP Start/stop button
  - ECO start/stop function
- 6 Selfie and video camera
- 7 MBUX Superscreen with:
  - Central display
  - Front passenger display
- 8 Glove box
- 9 Storage compartment
- 10 Switch panel for:
  - DYNAMIC SELECT button
  - Active Parking Assist
  - Quick vehicle access
  - Fingerprint sensor
  - Switching the MBUX multi-media system on/off
  - Switching the sound on/off
  - Adjusting the volume
- 11 Hazard warning light system
- 12 Control panel for the MBUX multi-media system
- 13 Adjusts the steering wheel
- 14 Control panel:
  - Driver display
  - Cruise control
  - ON/OFF Active Distance Assist DISTRONIC
- 15 Diagnostics connection
- 16 Opens the hood
- 17 Electric parking brake
- 18 Light switch

# Cockpit (plug-in hybrid)




Left-hand drive vehicles

1 Driver display:

- READY Operational readiness
- Power meter
- Trip computer
- ECO Assist

2 MBUX Superscreen with:

- Central display
- Front passenger display

3 Configures the charging settings

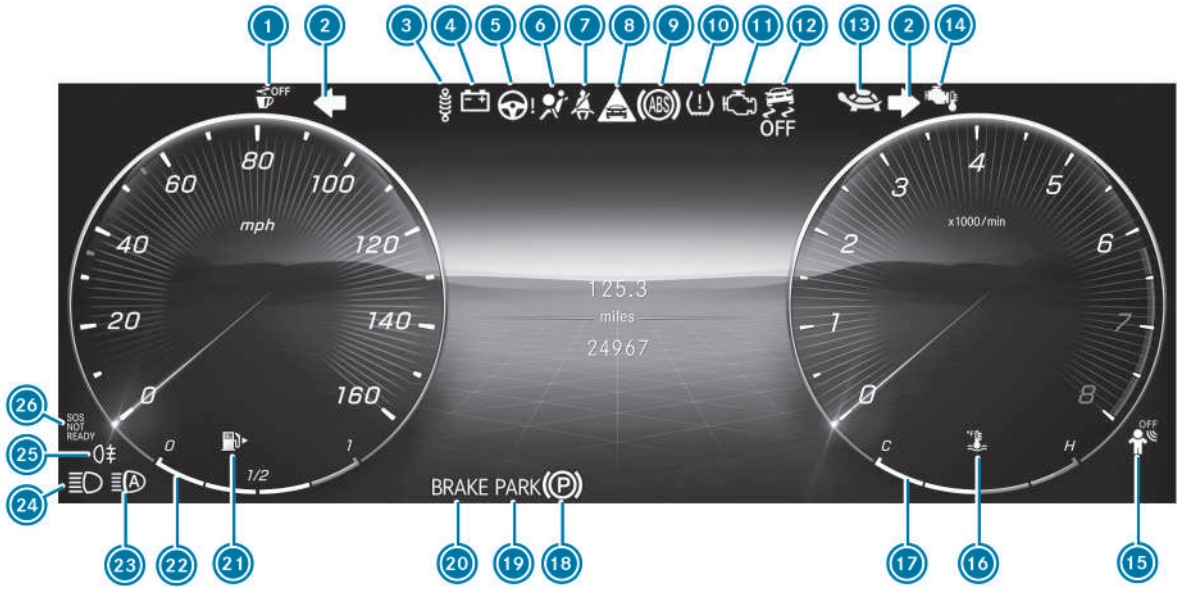
4 + Reduces recuperation

5 Haptic accelerator pedal

6 − Increases recuperation

7 Depressurizes and refills the fuel tank

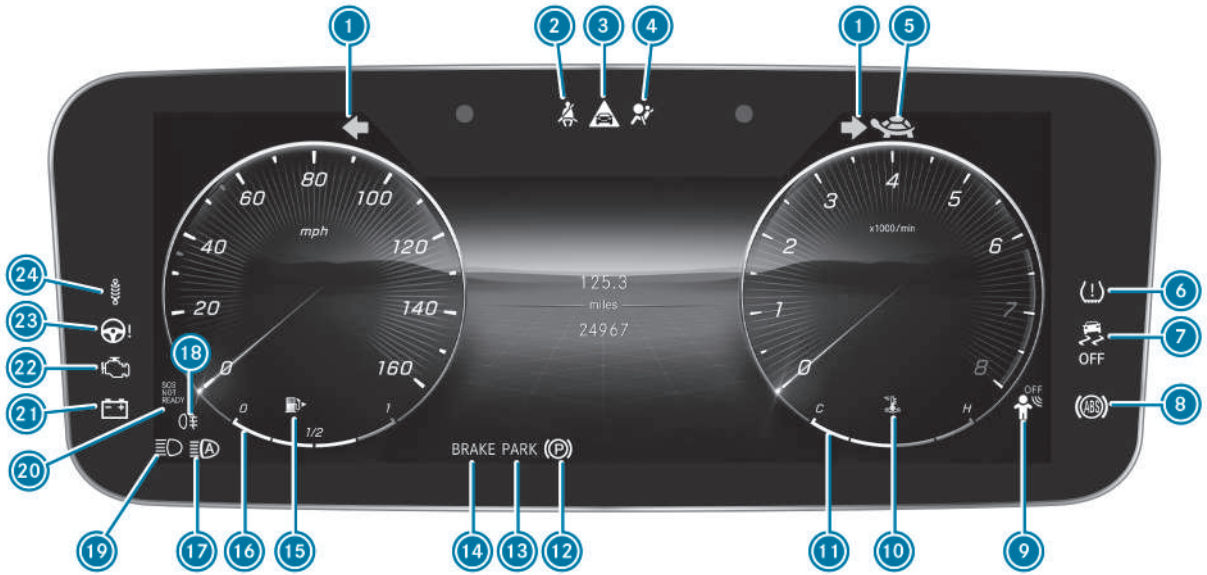
# Indicator lamps and warning lamps (standard)




Driver display

- 1 ATTENTION ASSIST
- 2 Turn signal light
- 3 Suspension (red)
- Suspension (yellow)
- 4 Electrical malfunction
- 5 Power steering (red)
- Power steering (yellow)
- Rear axle steering (red)
- Rear axle steering (yellow)
- 6 Restraint system
- 7 Seat belt
- 8 Distance warning
- 9 ABS
- 10 Tire pressure monitoring system
- 11 Engine diagnosis
- 12 ESP® OFF
- ESP®
- 13 Drive system: reduced power
- 14 Gasoline engine: engine operating temperature
- 15 Occupant presence reminder (white)
- Occupant presence reminder (yellow)
- 16 Coolant temperature
- 17 Coolant temperature display
- 18 Electric parking brake (yellow)
- 19 Electric parking brake (red)
- PARK USA only
- Canada only
- 20 Brakes (red)
- BRAKE USA only
- Canada only
- RBS Recuperative Brake System, USA only
- Brakes (yellow), Canada only
- 21 Fuel reserve with fuel filler flap location indicator
- 22 Fuel level
- 23 Adaptive Highbeam Assist
- 24 High beam
- Low beam
- Standing lights
- 25 Rear fog light
- 26 Mercedes-Benz emergency call system

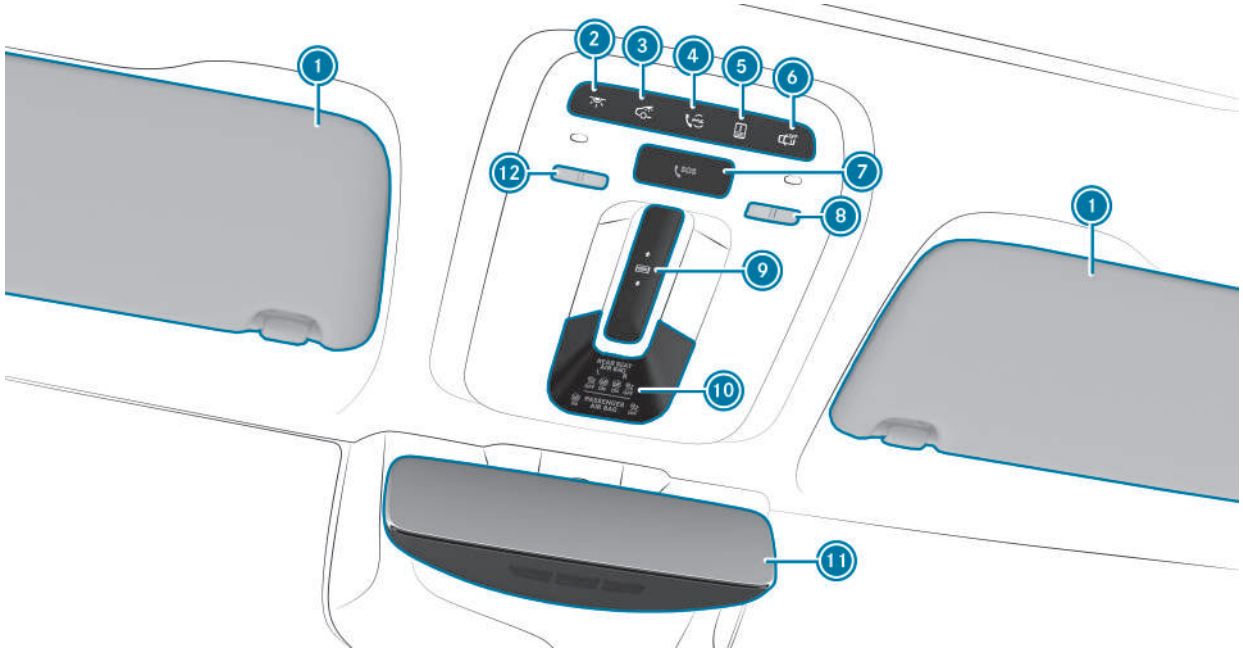
# Indicator lamps and warning lamps (with driver camera)




Driver display with driver camera

- 1 Turn signal light
- 2 Seat belt
- 3 Distance warning
- 4 Restraint system
- 5 Drive system: reduced power
- 6 Tire pressure monitoring system
- 7 ESP® OFF
- ESP®
- 8 ABS
- 9 Occupant presence reminder (white)
- Occupant presence reminder (yellow)
- 10 Coolant temperature
- 11 Coolant temperature display
- 12 Electric parking brake (yellow)
- 13 Electric parking brake (red)
- PARK USA only
- Canada only
- 14 Brakes (red)
- BRAKE USA only
- Canada only
- RBS Recuperative Brake System, USA only
- Brakes (yellow), Canada only
- 15 Fuel reserve with fuel filler flap location indicator
- 16 Fuel level
- 17 Adaptive Highbeam Assist
- 18 Rear fog light
- 19 High beam
- Low beam
- Standing lights
- 20 Mercedes-Benz emergency call system
- 21 Electrical malfunction
- 22 Engine diagnosis
- 23 Power steering (red)
- Power steering (yellow)
- Rear axle steering (red)
- Rear axle steering (yellow)
- 24 Suspension (red)
- Suspension (yellow)

# Overhead control panel



1 Sun visors

2 Switches the front interior lighting on/off >

3 Switches the rear interior lighting on/off >

4 me button >

5 Opens/closes the rear roller sunblind for the panorama roof with power tilt/sliding panel >

6 Switches automatic interior lighting control on/off >

7 SOS button >

8 Switches the right-hand reading lamp on/off >

9 Opens/closes the panorama roof with power tilt/sliding panel >

Opens/closes the front roller sunblind for the panorama roof with power tilt/sliding panel >

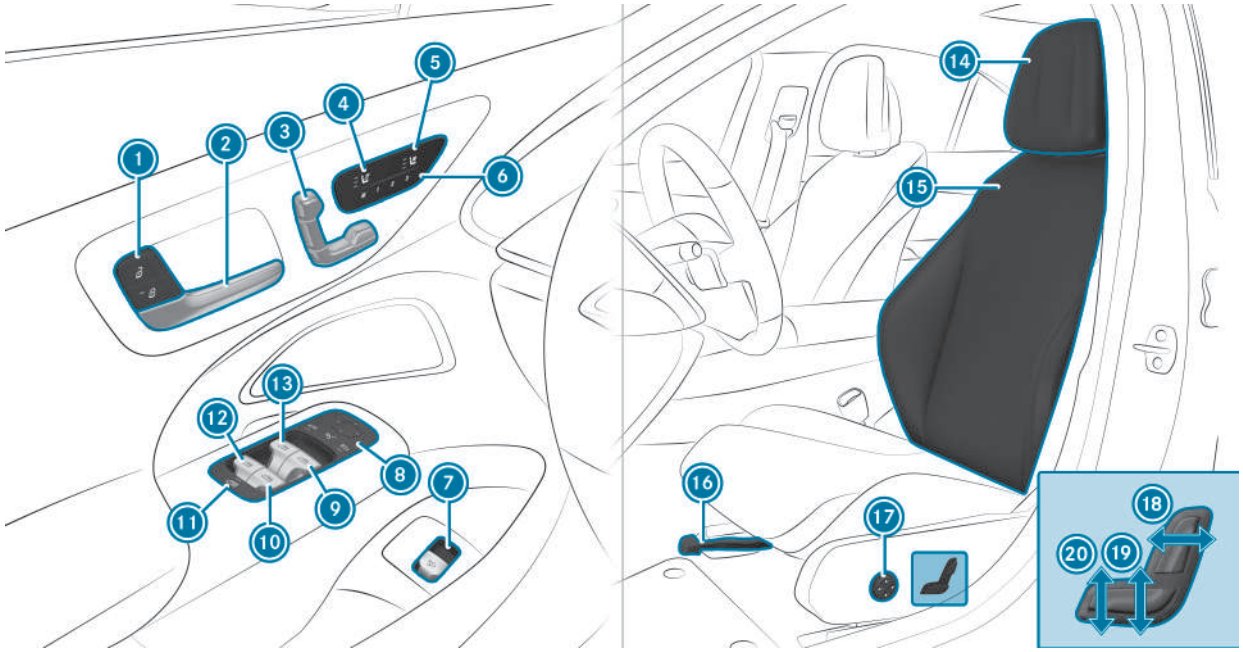
10 Indicator lamps:

PASSENGER AIR BAG >

11 Inside rear-view mirror >

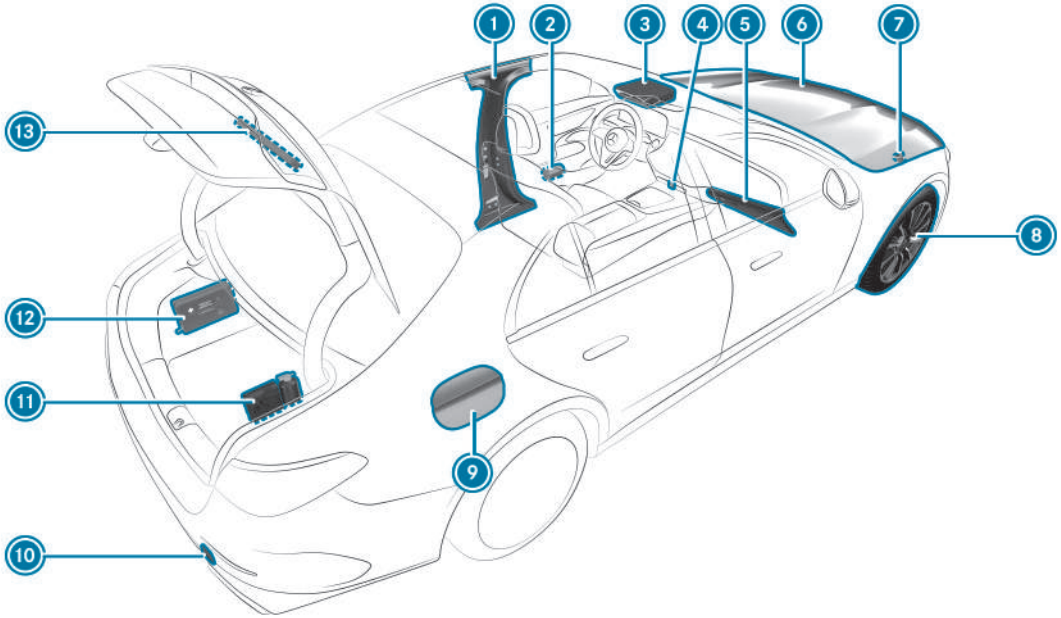
12 Switches the left-hand reading lamp on/off >

# Door operating unit and seat adjustment



1. Locks/unlocks the vehicle
2. Opens the door
3. Adjusts the seats electrically
4. Switches the seat heating on/off
5. Switches the seat ventilation on/off
6. M Operates the memory function
7. Opens/closes the trunk lid
8. Operates the outside mirrors
9. Opens/closes the right side window
10. Opens/closes the rear right side window
11. Child safety lock for the rear side windows
12. Opens/closes the rear left side window
13. Opens/closes the left side window
14. Adjusts the head restraints
15. Seat adjustment using the multimedia system
16. Adjusts the seat fore-and-aft position
17. Adjusts the 4-way lumbar support
18. Adjusts the seat backrest inclination
19. Adjusts the seat height
20. Adjusts the seat cushion inclination

# Emergencies and breakdowns



1 B-pillar with:

QR code for accessing the rescue card >

Information label on tire pressure >

2 Safety vests >

3 me button >

SOS button >

4 Hazard warning light system >

5 glove box >

6 Checking and topping up operating fluids >

Starting assistance >

7 Tow-starting or towing >

8 flat tire >

9 Fuel filler flap with:

information label on fuel type >

QR code for accessing the rescue card >

10 Tow-starting or towing >

11 TIREFIT kit >

12 First-aid kit (soft sided) >

13 Warning triangle >

Back to contents

# Digital Operator's Manual

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
You can return here at any time via the navigation bar at the top left.

Accessing the Digital Operator's Manual

# Accessing the Digital Operator's Manual

Multimedia system:

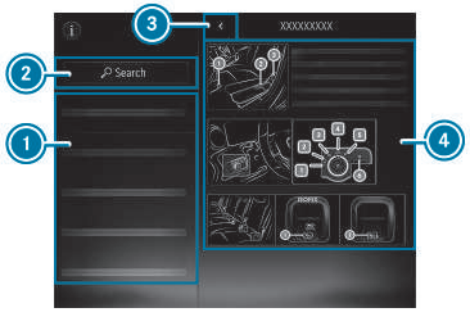
Settings Info Operator's Manual
Open Digital Operator's Manual

The Digital Operator's Manual describes the functions and operation of the vehicle and the multimedia system.

- Select one of the following menu items in the Digital Operator's Manual:
- Quick start: find the first steps towards adjusting your seat (driver's side).
- Tips: provides you with information on dealing with specific everyday situations in your vehicle.
- Videos: watch animations illustrating the vehicle functions.

  If you do not have any connection to the Internet within the vehicle, you can also scan the displayed QR code to view the animation on your mobile communication device. The data tariff of the mobile communication device is used for the data connection.
- Messages: receive additional information regarding messages on the driver display.
- Language: select the language for the Digital Operator's Manual.

You can search for keywords using the search field Search in order to find quick answers to questions regarding operation of the vehicle.




1. Menu
2. Search
3. Back
4. Contents section

Some sections in the Digital Operator's Manual, suchas warning notes, can be expanded and collapsed.

**Additional options for accessing the Digital Operator's Manual:**

**Driver display:** call up concise information regarding display messages on the driver display. Pressing ⓘ will show brief information on the central display.

**MBUX Voice Assistant:** call-up via the voice control system

For safety reasons, the Digital Operator's Manual is deactivated while driving.

Back to contents

# General notes

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
You can return here at any time via the navigation bar at the top left.

Protection of the environment
Mercedes-Benz GenuineParts
Touch-sensitive controls
Mercedes-Benz App
Service and vehicle operation
Operating safety
Mounting the license plate onto the front license plate bracket
Country-specific information for regulatory radio components
Diagnostics connection
Qualified specialist workshop
Correct use of the vehicle
Notes for persons with electronic medical aids
Problems with your vehicle
Reporting safety defects
Liability for material defects
QR codes for the rescue card
Data storage
Copyright

# Protection of the environment

**ENVIRONMENTAL NOTE**
Environmental damage due to operating conditions and personal driving style

The pollutant emission of the vehicle is directly related to the way you operate the vehicle.

Operate your vehicle in an environmentally responsible manner to help protect the environment. Please observe the following recommendations on operating conditions and personal driving style.

**Operating conditions:**

- Make sure that the tire pressure is correct.
- Do not carry any unnecessary weight (e.g. roof luggage racks once you no longer need them).
- Adhere to the service intervals.
  A regularly serviced vehicle will contribute to environmental protection.
- Always have maintenance work carried out at a qualified specialist workshop.

**Personal driving style:**

- Do not depress the accelerator pedal when starting the engine.
- Do not warm up the vehicle while stationary.
- Drive carefully and maintain a suitable distance from the vehicle in front.
- Avoid frequent, sudden acceleration and braking.
- Change gear in good time and use each gear only up to ⅔ of its maximum engine speed.
- Switch off the vehicle in stationary traffic, e.g. by using the ECO start/stop function.
- Drive in a fuel-efficient manner. Observe the ECO display for an economical driving style.

**PLUG-IN HYBRID**

**ENVIRONMENTAL NOTE**
Environmental pollution caused by irresponsible disposal of the high-voltage battery

A high-voltage battery contains materials which are harmful to the environment.

- ► Dispose of defective high-voltage batteries at a qualified specialist workshop.

**ENVIRONMENTAL ISSUES AND RECOMMENDATIONS:**
It is recommended that you re-use or recycle materials instead of just disposing of them.

The relevant environmental guidelines and regulations serve to protect the environment and must be strictly observed.

# Mercedes-Benz GenuineParts

**ENVIRONMENTAL NOTE**
Environmental damage due to not using recycled reconditioned components

Mercedes-Benz AG offers recycled reconditioned components and parts with the same quality as new parts. The same entitlement from the Limited Warranty is valid as for new parts.

► Use recycled reconditioned components and parts from Mercedes-Benz AG.

**NOTE**
Impairment of the operating efficiency of restraint systems due to the installation of accessory parts or repairs or welding

**AIR BAGS AND EMERGENCY TENSIONING DEVICES, AS WELL AS CONTROL UNITS AND SENSORS CAN BE INSTALLED IN THE FOLLOWING AREAS OF THE VEHICLE FOR RESTRAINT SYSTEMS:**

- Doors
- Door pillars
- Door sill
- Seats
- Cockpit
- Driver display
- Center console
- Lateral roof frames

► Do not install accessory parts such as audio systems in these areas.

► Do not carry out repairs or welding.

► Have accessory parts retrofitted at a qualified specialist workshop.

You could jeopardize operating safety of your vehicle if you use parts, tires and wheels, or accessories relevant to safety that have not been approved by

Mercedes-Benz. Safety-critical systems (e.g. the brake system) may malfunction. Use only Mercedes-Benz GenuineParts or parts of equal quality. Use only tires, wheels and accessory parts that have been specifically approved for your vehicle model.

Mercedes-Benz GenuineParts are subject to strict quality inspections. Each part has been specially developed, manufactured or selected for Mercedes-Benz vehicles and adapted accordingly. Therefore, only Mercedes-Benz GenuineParts should be used.

More than 300,000 different Mercedes-Benz GenuineParts are available for Mercedes-Benz models.

All authorized Mercedes-Benz Centers maintain a supply of Mercedes-Benz GenuineParts for essential servicing and repair work. In addition, strategically located parts delivery centers ensure a quick and reliable parts service.

Always specify the vehicle identification number (VIN) (→ page 819) when ordering Mercedes-Benz GenuineParts.

# Touch-sensitive controls

In addition to conventional switches and buttons, your vehicle is equipped with touch-sensitive controls.

**THESE ARE LOCATED IN THE FOLLOWING AREAS OF YOUR VEHICLE:**

- Roof and door control panel
- Climate control
- Steering wheel
- MBUX multimedia system

The controls have touch-sensitive user interface surfaces. You can control these surfaces by pressing or swiping to adjust settings or to trigger functions, for example.

The touch-sensitive user interface on the central display also provides haptic feedback in the form of pulses, vibrations or changes in the surface structure, for example.

The haptic feedback from the user interface of the central display is produced using ultrasound.

When using the haptic controls on the central display, ensure that there is sufficient distance between the head and the display surface during operation.

**YOU WILL RECEIVE HAPTIC FEEDBACK IN THE FOLLOWING SITUATIONS, FOR EXAMPLE:**

- When you interact with controls on the display surface
- When scrolling in a list or table
- When you reach a new area on the display surface, e.g. a pop-up window, controls, icons

Despite careful development, Mercedes-Benz AG cannot completely rule out the possibility of external microphones interfering with the haptic controls.

If you have any questions, contact a qualified specialist workshop.

**WHEN USING TOUCH-SENSITIVE USER INTERFACES, NOTE THE FOLLOWING POINTS TO AVOID PROBLEMS:**

- Do not affix stickers or similar objects to the surfaces.
- Do not attach smartphone holders or other mountings to the surface of the central display.
- Keep the surfaces protected from moisture and wet conditions.
- Keep the surfaces free of dust and dirt (→ page 678).

Some touch-sensitive controls have both a symbol and integrated indicator lamps. Be sure to press on the symbol of the control element when using it.

# Mercedes-Benz App

## Notes on Digital Extras

Various functions (Digital Extras) can also be subsequently activated through Mercedes-Benz following purchase of your vehicle.

Should you have any queries in this regard, please consult a Mercedes-Benz service center.

## Ordering and activating Digital Extras

**Requirements:**

- The vehicle has a wireless connection.
- The vehicle is linked to the user's Mercedes-Benz account.

**ORDERING AND ACTIVATING DIGITAL EXTRAS**

- ► Place the Digital Extra that you would like to purchase for your vehicle in your shopping basket in the Mercedes-Benz Store.
- ► Complete the order.
  The Digital Extra will be activated while you are using the vehicle.

**SPEEDING UP ACTIVATION**

- ► Switch off and lock the vehicle.
- ► Unlock the vehicle after about two minutes and switch on the vehicle.
  The Digital Extra will be activated. For some features, a notification will also appear in the vehicle's multimedia system.

If activation was not successful, repeat the process.

# Service and vehicle operation

## Vehicle operation outside the USA or Canada

**WHEN YOU ARE ABROAD WITH YOUR VEHICLE, OBSERVE THE FOLLOWING POINTS:**

- service points or replacement parts may not be available immediately.
- unleaded fuel may not be available for vehicles with a catalytic converter. Leaded fuel may cause damage to the catalytic converter.
- the fuel may have an extremely low octane number. Unsuitable fuel can cause engine damage.

Some Mercedes-Benz models are available in Europe through our European Delivery Program. For more information, please consult a Mercedes-Benz service outlet, or write to one of the following addresses:

**in the USA:**

Mercedes-Benz USA, LLC

One Mercedes-Benz Drive

Sandy Springs, GA 30328

**in Canada:**

Mercedes-Benz Canada, Inc.

2680 Matheson Blvd E, Suite 500

Mississauga, ON L4W 0A5

## Maintenance

USA only:

Your customer advisor confirms the service in the service report.

## Roadside Assistance

The Mercedes-Benz Roadside Assistance Program offers technical help in the case of a breakdown. Your calls to the toll-free Roadside Assistance Hotline are answered by our agents 24 hours a day, 365 days a year.

1-800-FOR-MERCedes (1-800-367-6372) (USA)

1-800-387-0100 (Canada)

USA only: You can find further information in the Mercedes-Benz Roadside Assistance Program brochure.

Canada only: You can find further information in the “Roadside Assistance” section in the Warranty Information Guide. Please refer to Mercedes-Benz Canada’s website:

https://www.mercedes-benz.ca/en/owners/manuals (English)

https://www.mercedes-benz.ca/fr/owners/manuals (French)

# Change of address or change of ownership

In the event of a change of address, please send us the "Notification of address change" in the Service and Guarantee booklet or simply call the Mercedes-Benz Customer Assistance Center (USA) on the hotline number 1-800-FOR-MERCedes (1-800-367-6372) or Customer Service (Canada) on 1-800-387-0100. We can then reach you in a timely fashion, if necessary.

If you sell your Mercedes, please leave all literature in the vehicle so that it is available to the next owner. If you have purchased a used vehicle, please send us the "Notice of Purchase of Used Car" in the Service and Guarantee booklet or simply call the Mercedes-Benz Customer Assistance Center (USA) at the hotline number 1-800-FOR-MERCedes (1-800-367-6372) or Customer Service (Canada) at 1-800-387-0100.

# Possible danger due to substances hazardous to health

In compliance with Proposition 65 (“Prop65”), the following detachable label has been added to each vehicle sold in California:



# Operating safety

**WARNING**
Risk of accident due to malfunctions or system failures

If you do not have the prescribed service/maintenance work or any required repairs carried out, this could result in malfunctions or system failures.

- Always have the prescribed service and maintenance work or any required repairs carried out in a qualified specialist workshop.

**WARNING**
Risk of accident or injury due to incorrect modifications on electronic component parts

Modification of electronic components, their software or wiring could impair their function and/or the function of other networked component parts or safety-relevant systems.

This can endanger the operating safety of the vehicle.

- Never tamper with the wiring and electronic component parts or their software.
- You should have all work on electrical and electronic components carried out at a qualified specialist workshop.

Observe the "On-board electronics" section in "Technical data".

**WARNING**
Risk of fire caused by flammable material on hot exhaust system components

Flammable material such as leaves, grass or twigs may ignite if they come into contact with hot parts of the exhaust system.

- When driving on an unpaved road or off-road, check the vehicle underside regularly.
- In particular, remove trapped plant parts or other flammable material.
- If there is damage, consult a qualified specialist workshop immediately.

**NOTICE**
Damage to the vehicle due to driving too fast and due to impacts to the underbody or suspension components

**IN THE FOLLOWING SITUATIONS IN PARTICULAR, THERE IS A RISK OF DAMAGE TO THE VEHICLE:**

- The vehicle makes contact with the ground, e.g.on a high curb or unpaved road.
- The vehicle is driven too fast over an obstacle, e.g.a curb, speed bump, or pothole.
- A heavy object strikes the underbody or suspension components.

In situations such as these, damage to the body, underbody, suspension components, wheels, or tires may not be visible. Components damaged in this way can unexpectedly fail or, in the case of an accident, may no longer absorb the impact force as intended.

If the underbody paneling is damaged, flammable materials,such as leaves, grass, or twigs may accumulate between the underbody and the underbody paneling. If these materials come into contact with hot components of the exhaust system, they may ignite.

► Have the vehicle checked and repaired immediately at a qualified specialist workshop.

or

► If driving safety is impaired while continuing your journey, pull over and stop the vehicle immediately, with due attention to road and traffic conditions, and contact a qualified specialist workshop.

**PLUG-IN HYBRID**
Hybrid vehicles have a combustion engine and at least one electric motor. The energy supply for operating the vehicle electrically is provided by the high-voltage on-board electrical system.

**DANGER**
Risk of death and fire due to modified and/or damaged components of the high-voltage on-board electrical system

The vehicle's high-voltage on-board electrical system is under high voltage. If you modify component parts in the vehicle's high-voltage on-board electrical system or touch damaged component parts, you may be electrocuted. In addition, modified and/or damaged components may cause a fire.

In the event of an accident or impact to the underbody, components of the high-voltage electrical system may be damaged although the damage is not visible.

- Never make any modifications to the high-voltage on-board electrical system.
- Do not switch on or use the vehicle if its high-voltage on-board electrical system components have been modified or damaged.
- Never touch damaged components of the high-voltage on-board electrical system.
- After an accident, do not touch any components of the high-voltage on-board electrical system.
- After an accident, have the vehicle transported away.
- Have the components of the high-voltage on-board electrical system checked at a qualified specialist workshop and replaced if necessary.

The components of the high-voltage on-board electrical system are marked with yellow warning stickers. The cables of the high-voltage on-board electrical system are orange.



Example

High-voltage components that can become very hot are marked with a separate warning sticker:



Vehicles with a hybrid system generate significantly less noise than vehicles with a combustion engine when stationary and in motion.

In electric mode, other road users may fail to hear the vehicle owing to its significantly lower noise when stationary or driving.

It is for this reason that the vehicle is equipped with a sound generator, which serves as an acoustic vehicle alerting system (AVAS). This protective measure is prescribed by law.

This exterior noise by the sound generator (AVAS) is audible in the vehicle interior at low speeds, and is not a malfunction.

## VEHICLES WITH 48 V ON-BOARD ELECTRICAL SYSTEM

**DANGER**
Risk of fatal injury by touching damaged high-voltage components

Vehicles with a 48 V on-board electrical system contain individual high-voltage components. These high-voltage components are under high voltage.

If you modify component parts of these high-voltage components or touch damaged component parts, you may be electrocuted.

High voltage components may be damaged in an accident, although the damage may not be visible.

- Never perform modifications to component parts of high-voltage components.
- Never touch damaged component parts of high-voltage components.
- Never touch component parts of high-voltage components after an accident.

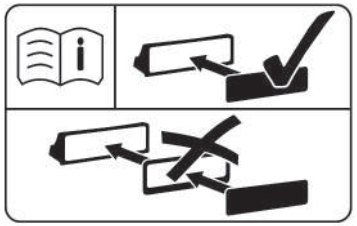
Vehicles with a 48 V on-board electrical system contain high-voltage components. These components are marked with a high-voltage label:



Example

All work on high-voltage components must be carried out at a qualified specialist workshop.

# Mounting the license plate onto the front license plate bracket



The information label can be found on the license plate bracket, either embossed or in sticker form.

**NOTE**

Malfunctions and system failures due to incorrect mounting of the license plate on the front license plate holder

If the license plate is incorrectly mounted on the front license plate holder, sensors, cameras or driving and safety systems may malfunction or fail.

Observe the following points when mounting the license plate on the front license plate holder:

- Mount the license plate directly on the license plate holder without advertising media or other holders.
- Mount the license plate so that it does not protrude above or to the side of the license plate adapter.

# Country-specific information for regulatory radio components

**INFORMATION REGARDING MODIFICATIONS TO RADIO COMPONENTS**
Modifications to radio components may invalidate the operating permit for the respective radio component. The radio component manufacturer accepts no responsibility for such modifications.

**INFORMATION ON CROSSING NATIONAL BORDERS**
You must observe the radio regulatory provisions for the country in which you are currently driving when operating the vehicle.

**RADIO-BASED VEHICLE COMPONENTS**

**USA:**
"This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. Changes or modifications made to this equipment not expressly approved by Mercedes-Benz may void the FCC authorization to operate this equipment. Radiofrequency radiation exposure Information: The radiated output power of the device is far below the FCC radio frequency exposure limits. Nevertheless, the device shall be used in such a manner that the potential for human contact during normal operation is minimized."

"This equipment complies with FCC and ISED radiation exposure limits set forth for an uncontrolled environment. End Users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must be at least 20 cm from the user and must not be co-located or operating in conjunction with any other antenna or transmitter."

**CANADA:**
"This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received including interference that may cause undesired operation. This Class [B] digital apparatus complies with Canadian ICES-003."

"This equipment complies with FCC and ISED radiation exposure limits set forth for an uncontrolled environment. End Users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must be at least 20 cm from the user and must not be co-located or operating in conjunction with any other antenna or transmitter."

**CANADA (FRENCH):**
"This device complies with Part 15 of the FCC Rules and Standard RSS-210 from Canadian authoritative body Industry Canada. Its operation is subject to the following two conditions: (1) This device must not cause any harmful interference, and (2) This device must accept all interference received, including interference that may cause undesired operation. This Category [B] device complies with Canadian Standard NMB-003."

"This equipment complies with FCC and ISED radiation exposure limits established for an uncontrolled environment. End users must follow the specific operating instructions to comply with RF exposure requirements. The transmitter must be situated a minimum distance of 20 cm away from the user and

may not be located at the same site as another antenna or another transmitter,
or operated together with any other antenna or transmitter."

# Diagnostics connection

The diagnostics connection is a technical interface in the vehicle. It is used, for example, within the scope of repair and servicing work or for reading out vehicle data in a specialist workshop. Diagnostic devices should therefore only be connected at a qualified specialist workshop.

**WARNING**
Risk of accident as a result of connecting devices to the diagnostics connection

If you connect devices to the vehicle's diagnostics connection, functioning of vehicle systems and operational safety can become impaired.

- It is recommended for safety reasons that only products which have been approved by an authorized Mercedes-Benz Center be used and connected.

**WARNING**
Risk of accident due to objects in the driver's footwell

Objects in the driver's footwell may impede pedal travel or block a depressed pedal.

This will jeopardize the operating- and road safety of the vehicle.

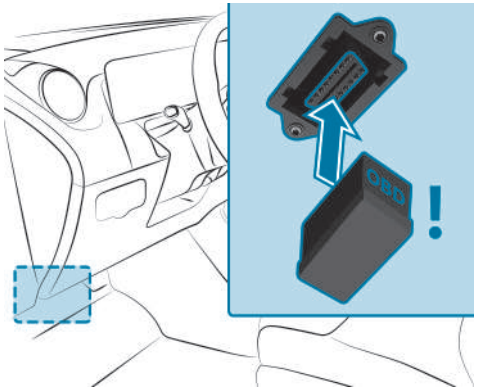
- Stow all objects in the vehicle securely so that they cannot get into the driver's footwell.
- Make sure that there is always sufficient clearance for the pedals.
- Always install the floor mats securely and as prescribed.
- Do not use loose floor mats and do not place floor mats on top of one another.

**NOTE**
Battery discharging from using devices connected to the diagnostics connection

Using devices at the diagnostics connection drains the battery.

- ► Check the charge level of the battery.
- ► If the charge level is low, charge the battery, e.g. by driving a considerable distance.

Please also note the information about the 12 V battery and short-distance trips in the "Driving and Parking" section (⟶ page 317).




**CONNECTING AND USING ANOTHER DEVICE WITH THE DIAGNOSTICS CONNECTION CAN HAVE THE FOLLOWING CONSEQUENCES:**

- Malfunctions in the vehicle system
- Permanent damage to vehicle components

Please refer to the warranty terms and conditions in this regard.

Moreover, connecting equipment to the diagnostics connection can lead to emissions monitoring information being reset, for example. This may lead to the vehicle failing to meet the requirements of the next emissions inspection during the main inspection.

# Qualified specialist workshop

A Mercedes-Benz service center is a qualified specialist workshop. It has the necessary special skills, tools and qualifications to correctly carry out the work required on your vehicle. This particularly applies to safety-critical work.

**ALWAYS HAVE THE FOLLOWING WORK ON YOUR VEHICLE CARRIED OUT BY A MERCEDES-BENZ SERVICE CENTER:**

- Safety-critical work
- Service and maintenance work
- Repair work
- Modifications as well as installations and conversions
- Work on electronic components
- **Plug-in hybrid:** work on the hybrid system
- **Vehicles with 48 V on-board electrical system:** work on the high-voltage components of the 48 V on-board electrical system

Mercedes-Benz recommends a Mercedes-Benz service center.

# Correct use of the vehicle

If you remove any warning stickers, you or others could fail to recognize potential dangers. Leave all warning stickers in their designated positions.

**OBSERVE THE FOLLOWING INFORMATION IN PARTICULAR WHEN DRIVING YOUR VEHICLE:**

- The safety notes in this Operator's Manual, vehicle-specific supplements, and further supplementary documents
- Technical data for the vehicle
- Traffic rules and -regulations of the country you are currently in
- Motor vehicle laws and safety standards of the country you are currently in
- Radio regulatory requirements of the country you are currently in

# Notes for persons with electronic medical aids

Despite meticulous development of their vehicle systems, Mercedes-Benz AG cannot completely rule out the interaction of vehicle systems with electronic medical aids, suchas cardiac pacemakers.

In addition, there are components installed in the vehicle that can generate magnetic fields on a par with permanent magnets, regardless of the operating status of the vehicle. These fields may occur in the area around the multimedia system and sound system, forexample, or in the area around the seats, depending on the respective vehicle equipment.

**IN SOME CASES, THIS COULD RESULT IN THE FOLLOWING, DEPENDING ON THE AIDS USED:**

- Medical aids malfunctioning
- Adverse health effects

Refer to the information and warnings from the manufacturer of the medical aids, and in case of uncertainty, please consult the manufacturer of the medical aid and/or your doctor. If there is continuing uncertainty concerning the possibility of medical aids malfunctioning, Mercedes-Benz AG recommends using fewer electrical vehicle systems and/or maintaining a distance from the components.

**Plug-in hybrid**

**WHEN CHARGING THE HIGH-VOLTAGE BATTERY, KEEP A DISTANCE OF AT LEAST AN ARM'S LENGTH BETWEEN THE MEDICAL AID AND THE FOLLOWING COMPONENTS:**

- the power supply equipment
  This includes charging stations in the form of a wallbox or a public charging point, forexample.
- vehicle components carrying live voltage
  This includes the charging cable and the charging control box, forexample.

**ALWAYS HAVE REPAIRS AND MAINTENANCE WORK IN THE AREA OF THE FOLLOWING COMPONENTS CARRIED OUT AT A QUALIFIED SPECIALIST WORKSHOP:**

- vehicle components carrying live voltage
- transmission antenna
- multimedia system and sound system

If you have any queries or suggestions, consult a qualified specialist workshop.

# Problems with your vehicle

If you should experience any problem with your vehicle, particularly one that you believe may affect its safe operation, we urge you to contact a Mercedes-Benz Service Center immediately to have the problem diagnosed and rectified. If the problem is not resolved to your satisfaction there, please contact a Mercedes-Benz Service Center again or write to one of the following addresses.

**In the USA:**

Mercedes-Benz USA, LLC

Customer Assistance Center

One Mercedes-Benz Drive

Sandy Springs, GA 30328

**In Canada:**

Mercedes-Benz Canada, Inc.

Customer Assistance Center

2680 Matheson Blvd E, Suite 500

Mississauga, ON L4W 0A5

# Reporting safety defects

**USA ONLY:**
The following text is published as required of manufacturers under Title 49, Code of U.S. Federal Regulations, Part 575 pursuant to the “National Traffic and Motor Vehicle Safety Act of 1966”.

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Mercedes-Benz USA, LLC.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Mercedes-Benz USA, LLC.

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153) ; go to https://www.safercar.gov; or write to: Administrator, NHTSA, 400 Seventh Street, SW., Washington, DC 20590, USA.

You can also obtain other information about motor vehicle safety from https://www.safercar.gov.

**CANADA ONLY:**
The following text is published as required of manufacturers under subsection 18.4 (4) of the Motor Vehicle Safety Regulations.

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform Transport Canada in addition to notifying Mercedes-Benz Canada Inc.

If Transport Canada received similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, Transport Canada cannot become involved in individual problems between you, your dealer, or Mercedes-Benz Canada Inc.

To contact Transport Canada, you may call the Defect Investigations and Recalls Division toll-free in Canada at 1-800-333-0510 or 819-994-3328 in the Gatineau-Ottawa area or internationally; may also go to the following websites for more information:

- English: https://www.tc.gc.ca/recalls
- French: https://www.tc.gc.ca/rappels

# Liability for material defects

**NOTE**

Damage to the vehicle due to failure to follow instructions in this Operator's Manual

Damage to the vehicle can arise due to failure to follow instructions in this Operator's Manual.

This damage is not covered either by the Mercedes-Benz implied warranty or by the New or Used Vehicle Warranty.

- Observe the notes on correct operation of the vehicle as well as possible vehicle damage in this Operator's Manual.

# QR codes for the rescue card

QR codes are attached in the fuel filler flap and on the opposite side on the B-pillar. In the event of an accident, rescue services can use the QR code to quickly find the appropriate rescue card for your vehicle. The current rescue card contains the most important information about your vehicle (e.g. the routing of the electric lines) in compact form.

Additional information can be obtained at: https://rk.mb-qr.com/de/

# Data storage

## Data processing in the vehicle

**ELECTRONIC CONTROL UNITS**
Electronic control units are installed in your vehicle. Control units process data they receive, generate themselves, or exchange with each other, forexample from vehicle sensors. Some control units are required for the safe operation of your vehicle. Some assist you when driving, suchas driver assistance systems, while others enable comfort or infotainment functions.

The following section provides general information about data processing in the vehicle. Additional information regarding which vehicle data is collected, saved, and transmitted to third parties and for what purpose can be found in the information directly related to the relevant functional characteristics in the respective Operator's Manual. This information is available online and digitally, depending on the vehicle's equipment.

**PERSONAL DATA**
A unique vehicle identification number identifies every vehicle. Depending on the country, this vehicle identification number can also be used to determine the identity of the vehicle keeper, forexample by the authorities. There are also other ways of tracing data collected from the vehicle back to the keeper or driver, suchas the license plate number.

The data generated or processed by control units may therefore be attributable to a person or, in certain circumstances, become attributable to a person. Depending on which vehicle data is available, it may be possible to make inferences about, forexample, your driving behavior, location, route, or use patterns.

**LEGAL REQUIREMENTS REGARDING THE DISCLOSURE OF DATA**
If legally required to do so, manufacturers are generally obliged to provide the authorities with data stored by the manufacturer upon request and to the extent required. Forexample, this may be the case during the investigation of a criminal offense.

State authorities are themselves authorized to read out data from the vehicle in individual cases and within the applicable legal framework. In the case of an accident, information that can help with an investigation can be taken from the airbag control unit, forexample.

**OPERATIONAL DATA IN THE VEHICLE**
To operate the vehicle, control units process data.

**THIS INCLUDES THE FOLLOWING DATA, FOREXAMPLE:**

- Vehicle status information suchas the speed, longitudinal acceleration, lateral acceleration, number of wheel revolutions, or the fastened seat belts display
- Ambient conditions, suchas temperature, rain sensor, or distance sensor

Generally, this data is volatile and will not be stored beyond the period of operation and will only be processed within the vehicle itself. Control units, forexample, vehicle keys, often contain data memories. Their use permits the temporary or permanent documentation of technical information about the vehicle's operating state, component loads, maintenance requirements, and technical events or malfunctions.

**DEPENDING ON THE TECHNICAL EQUIPMENT, THE FOLLOWING DATA IS STORED:**

- Operating status of system components, suchas fill levels, tire pressure, or battery status
- Faults or malfunctions in important system components, suchas lights or brakes
- System reactions in special driving situations, suchas an airbag deployment or the intervention of stability control systems
- Information on events leading to vehicle damage

In certain cases, storing data that would have otherwise been temporary may be required. This may be the case if the vehicle has detected a malfunction, forexample.

If you make use of services, e.g., repair services or maintenance work,– the stored operating data can be read out and used together with the vehicle identification number – if necessary.

Service network employees suchas workshops and manufacturers, and third parties suchas breakdown services can read out the data. The same is true in the event of warranty claims and quality assurance measures.

In general, the readout is performed via the legally prescribed port for the diagnostics connection in the vehicle. The selected operating data documents the vehicle's or individual components' technical conditions, helps with malfunction diagnosis, compliance with warranty obligations, and quality improvement. To that end, this data, particularly information about component loads, technical events, malfunctions, and other malfunctions, may be transmitted to the manufacturer along with the vehicle identification number. Furthermore, the manufacturer is subject to product liability. For this reason, the manufacturer also uses operational data from the vehicle, e.g. for recalls. This data can also be used to review the customer's legal guarantee and warranty claims.

Fault memories in the vehicle can be reset by a service outlet or at your request as part of repair or maintenance work.

**COMFORT AND INFOTAINMENT FUNCTIONS**
You can store the vehicle's comfort and individual settings and change or reset them at any time.

**DEPENDING ON THE VEHICLE EQUIPMENT, THIS INCLUDES THE FOLLOWING SETTINGS, FOREXAMPLE:**

- Seat and steering wheel positions
- Suspension tuning and climate control settings
- Individual settings, suchas interior lighting

Depending on the selected equipment, you can import data into vehicle infotainment functions yourself.

**DEPENDING ON THE VEHICLE EQUIPMENT, THIS INCLUDES THE FOLLOWING DATA, FOREXAMPLE:**

- Multimedia data, suchas music, films, or photos for playback in an integrated multimedia system
- Address book data for use in connection with an integrated hands-free system or an integrated navigation system
- Entered navigation destinations
- Data about the use of Internet services

This data for comfort and infotainment functions may be saved locally in the vehicle or on a device connected to the vehicle, suchas a smartphone, USB flash drive, or MP3 player. If you have entered this data yourself, you can delete it at any time.

This data is only transmitted from the vehicle to third parties at your request. This applies in particular to the use of online services based on the settings you have selected yourself.

**SMARTPHONE INTEGRATION (E.G., ANDROID AUTO OR APPLE CARPLAY®)**
If your vehicle is equipped accordingly, you can connect your smartphone or another mobile end device to the vehicle. You can then control them using the control elements integrated into the vehicle. Images and audio from the smartphone can be output via the multimedia system. Certain information is simultaneously transferred to your smartphone. Depending on the type of integration, thisincludes position data, day/night mode, and other general vehicle states. For more information, please consult the vehicle Operator's Manual/infotainment system.

This integration allows the use of selected smartphone apps, suchas navigation or music player apps. There is no further interaction between the smartphone and the vehicle; in particular, vehicle data is not directly accessible. The type of additional data processing is determined by the provider of the app being used. The settings you can configure, if any, depend on the specific app and your smartphone's operating system.

## Online services

**WIRELESS NETWORK CONNECTION**
If your vehicle has a wireless network connection, it enables data to be exchanged between your vehicle and additional systems. The wireless network connection is made possible by the vehicle's own transmitter and receiver or by a mobile end device that you have brought into the vehicle, for example, a smartphone. Online functions can be used via the wireless network connection. This includes online services and applications/apps provided to you by the manufacturer or by other providers.

**MANUFACTURER'S SERVICES**
Regarding the manufacturer's online services, the individual functions are described by the manufacturer in a suitable place, for example, in the Operator's Manual or on the manufacturer's website, where the relevant data protection information is also given. Personal data may be used for the provision of online services. Data is exchanged via a secure connection, such as the manufacturer's designated IT systems. Any personal data which is collected, processed and used, other than for the provision of services, is done so exclusively on the basis of legal permission. This is the case, for example, for a legally prescribed emergency call system, a contractual agreement or when consent has been given.

You can have services and functions, some of which are subject to a fee, activated or deactivated. This excludes legally prescribed functions and services, such as an emergency call system.

**THIRD-PARTY SERVICES**
If you use online services from other providers (third parties), these services are the responsibility of the provider in question and subject to that provider's data protection conditions and terms of use. As a general rule, the manufacturer has no influence on the content exchanged.

For this reason, when services are provided by third parties, please ask the service provider in question for information about the type, extent and purpose of the collection and use of personal data.

## Data protection rights

Depending on your country or the equipment and range of functions of your vehicle as well as the services you use and the services on offer, you are entitled to different data protection rights. Further information on data protection and your data protection rights can either be found on the manufacturer's website or you will receive this information as part of the various services

and service offers. There you will also find the contact information for the manufacturer and its data protection officers.

At a workshop, for example, with the support of a specialist and possibly for a fee, you can have data read out which is stored only locally in the vehicle.

## MBUX Multimedia System/Mercedes-Benz Connect

If the vehicle is equipped with the MBUX multimedia system or Mercedes-Benz Connect, additional data pertaining to operation of the vehicle, handling of the vehicle in certain situations, as well as the location of the vehicle is recorded by the MBUX multimedia system or by Mercedes-Benz Connect.

Additional information can be obtained in the "MBUX Multimedia System" chapter and/or in the terms and conditions of use for Mercedes-Benz Connect.

## Event Data Recorder

USA only:

This vehicle is equipped with an event data recorder (EDR). The main purpose of an EDR is to record, in certain crash or near crash-like situations, such as an air bag deployment or hitting a road obstacle, data that will assist in understanding how a vehicle's systems performed. The EDR is designed to record data related to vehicle dynamics and safety systems for a short period of time, typically 30 seconds or less.

**THE EDR IN THIS VEHICLE IS DESIGNED TO RECORD SUCH DATA AS:**

- How various systems in your vehicle were operating;
- Whether or not the driver and passenger safety belts were buckled/fastened;
- How far (if at all) the driver was depressing the accelerator and/or brake pedal; and,
- How fast the vehicle was traveling.

These data can help provide a better understanding of the circumstances in which crashes and injuries occur. NOTE: EDR data are recorded by your vehicle only if a non-trivial crash situation occurs; no data are recorded by the EDR under normal driving conditions and no personal data (e.g., name, gender, age, and crash location) are recorded. However, other parties, such as law enforcement could combine the EDR data with the type of personally identifying data routinely acquired during a crash investigation.

To read data recorded by an EDR, special equipment is required, and access to the vehicle or the EDR is needed. In addition to the vehicle manufacturer, other parties, such as law enforcement, that have the special equipment, can read the information if they have access to the vehicle or the EDR.

EDR data may be used in civil and criminal matters as a tool in accident reconstruction, accident claims, and vehicle safety. Since the Crash Data Retrieval CDR tool that is used to extract data from the EDR is commercially available, Mercedes-Benz USA, LLC („MBUSA“) expressly disclaims any and all liability arising from the extraction of this information by unauthorized Mercedes-Benz personnel.

MBUSA will not share EDR data with others without the consent of the vehicle owners or, if the vehicle is leased, without the consent of the lessee. Exceptions to this representation include responses to subpoenas by law enforcement; by federal, state or local government; in connection with or arising out of litigation involving MBUSA or its subsidiaries and affiliates; or, as required by law.

Warning: The EDR is a component of the Restraint System Module. Tampering with, altering, modifying or removing the EDR component may result in a malfunction of the Restraint System Module and other systems.

State laws or regulations regarding EDRs that conflict with federal regulation are pre\-empted. This means that in the event of such conflict, the federal regulation governs. As of Dec 2016, 17 states have enacted laws relating to EDRs.

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https://www.mercedes-benz.com/opensource

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# Occupant safety

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
You can return here at any time via the navigation bar at the top left.

Brief overview of the most important points
Information on the automatic functions of the restraint system
Purpose and function of the restraint system
Seat belts
Airbags

# Brief overview of the most important points

## Basic information

**IN PARTICULAR ENSURE THE FOLLOWING CONDITIONS TO ENABLE THE COMPONENTS OF THE RESTRAINT SYSTEM TO UNFOLD THEIR PROTECTIVE POTENTIAL:**

- Sit correctly (⟶ page 134).
- Fasten seat belts correctly (⟶ page 135).
  - Function of the seat belt warning lamp (⟶ page 138).
  - Function of the rear seat belt status display (⟶ page 139).
- The restraint system warning lamp has gone out after the self-test (⟶ page 138).
- The PASSENGER AIR BAG indicator lamps display the correct status of the front passenger airbag (⟶ page 139).

**FOR CLEAR UNDERSTANDING**

The chapter "Occupant safety" includes information on equipment, functions and behaviors that contribute directly to the safety of vehicle occupants.

**THE INFORMATION IS STRUCTURED AS FOLLOWS:**

- **The most important information in brief:** in this chapter, you are provided with an overview of the relationship between the restraint system and the correct behavior of all vehicle occupants.
- **Specific information:** in further sections of the chapter "Occupant safety", you can find specific information on the equipment and functions of the restraint system.
- **Keyword search:** you can also find specific topics using the search field in the Digital Operator's Manual.

**INFORMATION ON THE FOLLOWING SUBJECTS, AMONG OTHERS, IS NOT PROVIDED IN THE CHAPTER "OCCUPANT SAFETY":**

- Children in the vehicle (⟶ page 156)
- Driving systems and driving safety systems (⟶ page 391)
- Stowage options (⟶ page 242)

**DEFINING GENERIC TERMS CLEARLY**

**IN THIS OPERATOR'S MANUAL, THE FOLLOWING GENERIC TERMS ARE USED:**

- **Occupant safety:** includes the following concurring factors which help keep the loads and consequences of an accident as low as possible for vehicle occupants.
  - the protective effect of the vehicle structure
  - the components of the restraint system and their correct handling
  - correct and risk-minimizing behavior of vehicle occupants

  For the safety of all vehicle occupants, always follow the instructions and warnings in this Operator's Manual. If necessary, share this with your passengers.
- **Restraint system:** includes those components which help avoid potential contact between vehicle occupants and parts of the vehicle interior.

The seat belts and airbags, for example, are components of the restraint system.

- **Child restraint system:** you can find all information on this subject in the chapter "Children in the vehicle" (⟶ page 156).

**BE DILIGENT**
For the components of the restraint system to provide the intended level of protection, it is essential that your posture is correct and that the seat belt is correctly fastened.

Please bear in mind that carelessness regarding the seating position and putting on the seat belt may have serious consequences. Be diligent and make sure that all vehicle occupants are sitting correctly and have fastened their seat belts properly before starting every journey (⟶ page 134).

## Information on the correct seat position

The seat position must be correct in order for the components of the restraint system to provide the intended level of protection.

The seat position influences both the protection provided by the seat belt and the additional protection provided by the airbag.

A correct seat position in which the seat is almost perfectly upright and a correctly fastened seat belt reduce the risks posed by the airbag when it is deployed.

Spatial conditions should be considered when choosing the seat position. With the seat in the correct, almost upright position, your head should not touch the roof.

**WARNING**
Risk of injury or death due to an incorrect seat position

If you deviate from the correct seat position, the air bag cannot provide its intended protective function.

Each vehicle occupant must make sure of the following.

- ► Put the seat in the correct position.
- ► Fasten seat belts correctly.
- ► Observe the following information.

**IN ORDER FOR THE RESTRAINT SYSTEM TO PROVIDE THE INTENDED LEVEL OF PROTECTION, OBSERVE THE FOLLOWING INFORMATION:**

- Before starting your journey, adjust your seat correctly (⟶ page 220).

  An optimum seat position should allow you to fasten your seat belt correctly. The shoulder belt strap must be routed forward from the seat belt outlet over the center of your shoulder.
- Maintain an adequate distance from the airbags, especially the front airbags. Set the driver's seat and front passenger seat as far back as possible, ensuring that the seat belt is fastened correctly.
- If persons are sitting on the rear seats, vehicle occupants should maintain a sufficient distance to parts of the vehicle interior in front of them.
- Ensure there are no persons, animals or objects between the vehicle occupants and an airbag.
- The driver must observe the following information on correct positioning of the driver's seat (⟶ page 220).

  Only hold the steering wheel by the steering wheel rim. This allows the driver's airbag to deploy fully.

During pregnancy in particular, it is important to ensure the greatest possible distance from the steering wheel due to the change in stature and the unborn child.

- Assume an almost upright sitting posture, with your buttocks positioned as far back as possible in the gap between the seat cushion and the seat backrest.

  Your back must lie as flatly and as firmly as possible against the seat backrest.
- Do not lean forward and do not lean against the door or side window while the vehicle is in motion. You may otherwise be within deployment range of the airbags.
- Sit with your feet resting on the floor where possible. Your thighs are supported slightly by the seat cushion.

  Do not put your feet on the cockpit, forexample. Your feet may otherwise be within deployment range of the airbag.
- Fasten the seat belt correctly (⟶ page 135).

## Notes on wearing the seat belt correctly

Always fasten your seat belt correctly before starting a journey. A seat belt can only provide the best level of protection if it is worn correctly.

**WARNING**
Risk of injury or death due to incorrectly fastened seat belt

If the seat belt is not worn correctly, it cannot perform its intended protective function.

In addition, an incorrectly fastened seat belt can also cause injuries, for example, in the event of an accident or when braking or changing direction suddenly.

► Always ensure that all vehicle occupants have their seat belts fastened correctly and are sitting properly.

**WARNING**
Risk of injury or death when additional restraint systems are not used for persons with a smaller stature

Persons under 5 ft (1.50 m ) tall cannot wear the seat belt correctly without a suitable additional restraint system.

► Always secure persons under 5 ft (1.50 m) tall in a suitable restraint system.

Observe the following information on the correct seat position and posture (⟶ page 134).

**EACH VEHICLE OCCUPANT MUST OBSERVE THE FOLLOWING NOTES IN PARTICULAR:**

- The seat belt must not be twisted.
- The shoulder belt strap must be routed forward from the seat belt outlet over the center of your shoulder.

- The shoulder belt strap should neither touch your neck nor be routed under your arm or behind your back.
- The lap belt must be routed as low down across the hips as possible.

  In addition, push the lap belt down as far as possible across your hips and pull tight with the shoulder belt strap. Never route the lap belt across your abdomen.
- After being tightened, the shoulder belt strap and lap belt must fit snugly against the body.
- Particularly during pregnancy, the instructions for wearing the seat belt correctly must be followed consistently due to the change in stature and the unborn child (⟶ page 136).
- Avoid wearing bulky clothing, e.g.a winter coat.
- Never route the seat belt across sharp, pointed, abrasive or fragile objects.
- Only one person should use each seat belt at any one time.
- Never secure objects with a seat belt if the seat belt is also being used by one of the vehicle's occupants.

  Also ensure that no objects, e.g.a cushion, are ever placed between a person and the seat.

If you are driving with a child in the vehicle, observe the information in the chapter "Children in the vehicle" (⟶ page 156).

Observe the instructions for loading the vehicle when securing objects, luggage or loads (⟶ page 242).

## Wearing a seat belt during pregnancy

**BE DILIGENT**

**PAY PARTICULAR ATTENTION TO THE FOLLOWING INSTRUCTIONS DURING PREGNANCY DUE TO THE CHANGE IN STATURE AND THE UNBORN CHILD:**

- Correct seating position and posture
- Wearing the seat belt correctly

The correct seating position with a nearly upright seating posture and a correctly fastened seat belt reduce the risks for the mother and unborn child in the event of an accident.

Particularly during pregnancy, due to the change in stature and the unborn child, maintain as much distance as possible between your abdomen (baby bump) and the steering wheel.

If it is not possible to maintain a sufficient distance to the steering wheel whilst simultaneously ensuring safe operation of the vehicle, another person should drive the vehicle.

ⓘ Mercedes-Benz recommends that you seek professional advice, e.g. from a doctor, about the possible risks involved in driving a vehicle when pregnant.

**WEARING THE SEAT BELT**

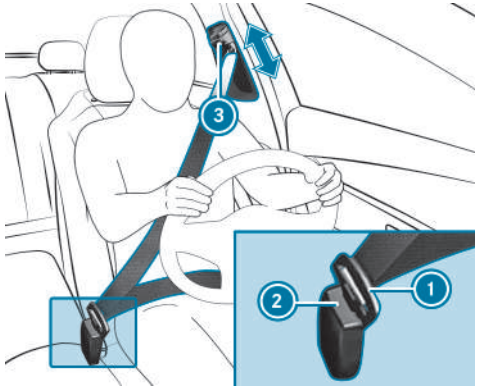


**PARTICULARLY DURING PREGNANCY, OBSERVE THE FOLLOWING NOTES:**

- Push the lap belt down as far as possible across your hips and pull tight with the shoulder belt strap. Never route the lap belt across your abdomen (baby bump).
- The shoulder strap should run along the side of the abdomen (baby bump).
- Never position any objects between the person and the seat belt, not even cushions forexample.

## Fastening and adjusting seat belts

If the seat belt is pulled quickly or sharply, the seat belt retractor locks. The seat belt strap cannot be pulled out any further.




- ► Always engage seat belt tongue (1) of the seat belt into seat belt buckle (2) of the corresponding seat.
- ► **To adjust the seat belt height:** press button (3) on the seat belt outlet and slide the seat belt outlet to the desired position.
- ► **To engage the seat belt outlet:** release button (3) and ensure that the seat belt outlet engages.

**NOTE**
Deployment of components of the restraint system when the front passenger seat is unoccupied and a seat belt is buckled

When the front passenger seat is unoccupied and the seat belt tongue of the seat belt is engaged in the seat belt buckle, components of the restraint system may deploy unnecessarily on the front passenger side, e.g. the Emergency Tensioning Device.

- ► Only buckle the seat belts as intended.

ⓘ Observe the information on the child seat safety feature of the seat belt (⟶ page 167).

## Function of the restraint system warning lamp

When the vehicle is switched on, a self-test will be performed, during which the restraint system warning lamp will light up. It will disappear no later than a few seconds after the vehicle is started. The components of the restraint system will then be functional.

**A MALFUNCTION HAS OCCURRED IN THE RESTRAINT SYSTEM IF:**

- the restraint system warning lamp does not light up or lights up continuously when the vehicle is switched on
- the restraint system warning lamp lights up continuously or repeatedly during a journey

If components of the restraint system have been deployed, the restraint system warning lamp will light up continuously.

⚠ **WARNING**
Risk of injury due to malfunctions in the restraint system

Components in the restraint system may be activated unintentionally or not deploy as planned in an accident.

► Have the restraint system checked and repaired immediately at a qualified specialist workshop.

**Plug-in hybrid:** if the restraint system is malfunctioning, the automatic high voltage emergency shutoff may not function.

⚠ **DANGER**
Risk of fatal injuries due to malfunctions of the automatic high-voltage emergency shutoff

In the event of an accident, the high-voltage on-board electrical system may not be deactivated as intended.

You may be electrocuted if you touch the damaged component parts of the high-voltage on-board electrical system.

► Have the automatic high-voltage emergency shutoff checked and repaired immediately at a qualified specialist workshop.

► After an accident, switch off the vehicle immediately.

Mercedes-Benz recommends that you have the vehicle towed to a qualified specialist workshop.

## Function of the seat belt warning lamp

The seat belt warning lamp on the driver display is a reminder that the driver and/or front passenger are not wearing their seat belts.

The seat belt warning lamp lights up for six seconds every time the vehicle is started.

All vehicle occupants must fasten their seat belts correctly (⟶ page 135).

In addition, a warning tone may sound.

The seat belt warning goes out as soon as the driver and the front passenger fasten their seat belts.

**THE SEAT BELT WARNING MAY LIGHT UP DURING A JOURNEY IF:**

- The driver or front passenger has not fastened their seat belt and the following criteria is met:
  - The vehicle speed exceeds 5 mph (9 km/h) for more than 20 seconds.
  - The vehicle speed exceeds 15 mph (25 km/h) once.
- The driver or front passenger unfastens their seat belt while the vehicle is in motion.

## Function of the rear seat belt status display

**INDICATORS ON THE DRIVER DISPLAY**



The color of the symbol is intended to help you quickly identify the status of the rear seat belt.

The rear seat belt status display in the driver display is a reminder that all vehicle occupants must wear their seat belts correctly.

Every time the vehicle is switched on, the rear seat belt status display informs you for a certain amount of time which rear seat belt is not fastened.

**POSSIBLE COLOR OF THE SYMBOL:**

- Gray: the rear seat belt is not fastened.
- Green: the seat belt tongue of a rear seat belt is engaged in the seat belt buckle of the displayed seat.
- Red: the person in the rear seat has unfastened their seatbelt.

If a person unfastens a seat belt in the rear passenger compartment while the vehicle is motion, the rear seat belt status display appears again.

In addition, a warning tone may sound.

## Function of the PASSENGER AIR BAG indicator lamps (front passenger airbag shutoff)




If the front passenger seat is occupied or a child restraint system is installed on it, make sure both before and during the journey that the status of the front passenger airbag is correct for the situation.

**WARNING**
Risk of potentially fatal injuries due to objects trapped under the front passenger seat

Objects trapped under the front passenger seat may interfere with the function of the automatic front passenger air bag shutoff or damage the system.

- ► Do not stow any objects under the front passenger seat.
- ► When the front passenger seat is occupied, ensure that no objects have become trapped beneath the front passenger seat.

**Self-test:** when the vehicle is switched on, both the PASSENGER AIR BAG ON and OFF indicator lamps light up simultaneously for several seconds.

**AFTER THE SELF-TEST, YOU CAN DETERMINE THE STATUS OF THE FRONT PASSENGER AIRBAG AS FOLLOWS:**

- **Front passenger airbag disabled:** PASSENGER AIR BAG OFF lights up continuously.
  The front passenger airbag will not be deployed in the event of an accident. If PASSENGER AIR BAG OFF is lit, no one may use the front passenger seat.
  If a rearward-facing child restraint system is installed on the front passenger seat, PASSENGER AIR BAG OFF must be lit continuously.
- **Front passenger airbag enabled:** PASSENGER AIR BAG ON lights up for up to 60 seconds. Both indicator lamps PASSENGER AIR BAG ON and OFF are then off.
  The front passenger airbag may be deployed during an accident. If the front passenger airbag is in this status, no rearward-facing child restraint system may be installed on the front passenger seat.

ⓘ If you are driving with a child in the vehicle, observe the information in the chapter "Children in the vehicle" (⟶ page 156).

**WARNING**
Risk of injury or death due to a disabled front passenger airbag

The front passenger airbag is disabled when the PASSENGER AIR BAG OFF indicator lamp is lit.

A person in the front passenger seat could then, for example, come into contact with the vehicle interior, especially if the person is sitting too close to the cockpit.

**IF THE FRONT PASSENGER SEAT IS OCCUPIED, ALWAYS ENSURE THAT:**

- The classification of the person in the front passenger seat is correct and the front passenger airbag is enabled or disabled in accordance with the person in the front passenger seat.
- The front passenger seat has been moved as far back as possible.
- The person is seated correctly.

- ► Both before and during the journey, ensure that the status of the front passenger airbag is correct.

They observe the information on the correct seat position (⟶ page 134).

**MALFUNCTION OF THE AUTOMATIC FRONT PASSENGER AIRBAG SHUTOFF**

The PASSENGER AIR BAG OFF indicator lamp and the restraint system warning lamp light up simultaneously.

In this case, no one may use the front passenger seat and no child restraint system may be installed on the front passenger seat.

Have the automatic front passenger airbag shutoff checked and repaired immediately at a qualified specialist workshop.

## Disabling or enabling the front passenger air bag

The automatic front passenger air bag shutoff can disable or enable the front passenger air bag and front passenger knee bag according to the situation.

This happens automatically as a result of the classification of the person or child restraint system on the front passenger seat.

You cannot manually disable or enable the front passenger air bag.

## Information on the child restraint system

When installing a child restraint system, observe the notes in "Children in the vehicle" (⟶ page 156).

**NOTES ON THE CHILD RESTRAINT SYSTEM ON THE FRONT PASSENGER SEAT**

**WARNING**
Risk of injury- or fatal accident if the front passenger airbag is enabled

If the front passenger airbag is enabled, a child on the front passenger seat may be struck by the front passenger airbag during an accident.

- NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur.

Also pay particular attention to the notes on rear-facing or front-facing child restraint systems on the front passenger seat (⟶ page 162).

# Information on the automatic functions of the restraint system

## Function of automatic front passenger airbag deactivation

**A PERSON ON THE FRONT PASSENGER SEAT MUST OBSERVE THE FOLLOWING INSTRUCTIONS:**

- Sit correctly (⟶ page 134).
- Fasten seat belts correctly (⟶ page 135).

Automatic front passenger airbag shutoff can disable or enable the front passenger airbag and front passenger knee airbag according to the respective situation.

**IT IS IMPERATIVE THAT THE FOLLOWING INFORMATION IS OBSERVED:**

- The status of the front passenger airbag, see "Function of the PASSENGER AIR BAG indicator lamps"(⟶ page 139).
- When fitting a child restraint system to the front passenger seat, observe the vehicle-specific information (⟶ page 162).




**STATUS OF THE FRONT PASSENGER AIRBAG IN RELATION TO THE STATURE OF THE PERSON:**

- **Front passenger airbag disabled:** PASSENGER AIR BAG OFF lights up continuously.

  The front passenger airbag will not be deployed in the event of an accident. If PASSENGER AIR BAG OFF is lit, no one may use the front passenger seat.
- **Front passenger airbag enabled:** PASSENGER AIR BAG ON lights up for up to 60 seconds or until both the PASSENGER AIR BAG ON and OFF indicator lamps go out.

  The front passenger airbag may be deployed during an accident. Observe the following information on the correct seat position (⟶ page 134).

  **Vehicles with rear seats:** a person of smaller stature should use a rear seat.

**SYSTEM LIMITS**

**THE FRONT PASSENGER AIRBAG MAY BE DISABLED ERRONEOUSLY, E.G.IN THE FOLLOWING SITUATIONS:**

- The front passenger transfers their weight by supporting themselves on a vehicle armrest.
- The front passenger sits in such a way that they relieve the seat surface of their weight.

**NOTE**
Deployment of components of the restraint system when the front passenger seat is unoccupied

**IN AN ACCIDENT, THE COMPONENTS OF THE RESTRAINT SYSTEM MAY DEPLOY UNNECESSARILY ON THE FRONT PASSENGER SIDE IF:**

- There are heavy objects on the front passenger seat.
- The seat belt tongue is engaged in the seat belt buckle of the front passenger seat and the front passenger seat is unoccupied.

► Store objects in a suitable place.

► Only one person should use each seat belt at any one time.

Depending on the detected accident situation, the window airbag on the front passenger side may deploy. The airbag is deployed regardless of whether the front passenger seat is occupied.

## Function of PRE-SAFE® (anticipatory occupant protection)

PRE-SAFE® is able to detect certain critical driving situations and implement pre-emptive measures to protect the vehicle occupants.

**PRE-SAFE® CAN IMPLEMENT THE FOLLOWING MEASURES INDEPENDENTLY OF EACH OTHER:**

- Tightening the seat belts on the driver's seat and front passenger seat.
- closing the side windows.
- **Vehicles with sliding sunroof:** closing the sliding sunroof.
- **Vehicles with memory function:** moving the front passenger seat to a more favorable seat position.
- **Vehicles with multicontour seat:** increasing the lateral support by inflating the seat side bolsters of the seat backrest.
- **PRE-SAFE® Sound:** provided that the multimedia system is switched on, generating a brief noise signal to stimulate the innate protective mechanism of a person's hearing.

**NOTE**
Damage caused by objects in the footwell or behind the seat

The automatic adjustment of the seat position may result in damage to the seat and/or the object.

► Stow objects in a suitable place.

## Reversing the PRE-SAFE® system measures

If an accident did not occur, the pre-emptive measures that were taken are reversed.

You will need to perform certain settings yourself.

► If the seat belt pre-tensioning is not reduced, move the seat backrest slightly backwards.

The seat belt pre-tensioning releases.

## Function of PRE-SAFE® PLUS (anticipatory occupant protection Plus)

PRE-SAFE® PLUS can detect certain impacts, particularly an imminent rear impact, and take pre-emptive measures to protect the vehicle occupants. These measures cannot necessarily prevent an imminent impact.

**PRE-SAFE® PLUS CAN IMPLEMENT THE FOLLOWING MEASURES INDEPENDENTLY OF EACH OTHER:**

- Tightening the seat belts on the driver's seat and front passenger seat.
- Increasing brake pressure when the vehicle is stationary. This brake application is canceled automatically when the vehicle pulls away.

If an accident did not occur, the pre-emptive measures that were taken are reversed.

**SYSTEM LIMITS**

**THE SYSTEM WILL NOT INITIATE ANY ACTION IN THE FOLLOWING SITUATIONS:**

- when reversing

**THE SYSTEM WILL NOT INITIATE ANY BRAKING APPLICATION IN THE FOLLOWING SITUATIONS:**

- while driving

  or
- when entering or exiting a parking space while using Active Parking Assist

You can watch an animation on this topic via the following link:

## Function of PRE-SAFE® Impulse Side

If an imminent side impact is detected, PRE-SAFE® Impulse Side can pre-emptively move the upper body of the vehicle occupant in the front seat towards the center of the vehicle. It does this by rapidly inflating an air cushion in the outer seat side bolster of the seat backrest on the side on which the impact is anticipated. This increases the distance between the door and the vehicle occupant.

If PRE-SAFE® Impulse Side has been deployed or is faulty, the following display message appears: PRE-SAFE Pulse Side Inoperative See Operator's Manual .

## Seat belt adjustment function

**Vehicles with PRE-SAFE®:** After you have fastened the seat belt of the front seat, it may adjust itself against your body by pulling at the shoulder until somewhat tight. Do not hold the seat belt tightly while it is adjusting.

You can activate and deactivate the seat belt adjustment function using the multimedia system (⟶ page 145).

## Activating/deactivating seat belt adjustment via the multimedia system

Multimedia system:

Settings » Vehicle » Occupant Protection

- Activate or deactivate Belt Adjustment.

## Overview of automatic measures following an accident

**DEPENDING ON THE TYPE AND SEVERITY OF THE ACCIDENT, AND DEPENDING ON THE VEHICLE'S EQUIPMENT, THE FOLLOWING MEASURES CAN BE IMPLEMENTED FOREXAMPLE:**

- automatic braking (post-collision brake) (⟶ page 145)
- activating the hazard warning light system
- initiating an automatic emergency call (⟶ page 74)
- switching off the engine

  To start the vehicle again, switch the vehicle off and then back on again (⟶ page 310). Depending on the type and severity of the accident, the vehicle might no longer start.
- Shutting off the fuel supply system
- **Plug-in hybrid:** shutting off the hybrid system and high-voltage on-board electrical system
- Unlocking the vehicle doors
- Lowering the side windows
- Displaying the emergency guide on the central display (⟶ page 623)
- Switching on the interior lighting

## Function of the post-collision brake after an accident

Depending on the accident situation, the post-collision brake can minimize the severity of a further collision or even avoid it.

If an accident is detected, the post-collision brake can implement automatic braking. When the vehicle has come to a standstill, the electric parking brake is automatically applied.

**AUTOMATIC BRAKING CAN BE INTERRUPTED USING ONE OF THE FOLLOWING ACTIONS:**

- braking more strongly than automatic braking.
- fully depressing the accelerator pedal with force.

# Purpose and function of the restraint system

## Overview of deployment situations (restraint system)

**IN PARTICULAR ENSURE THE FOLLOWING CONDITIONS TO ENABLE THE COMPONENTS OF THE RESTRAINT SYSTEM TO UNFOLD THEIR PROTECTIVE POTENTIAL:**

- Sit correctly (⟶ page 134).
- Fasten the seat belt correctly (⟶ page 135).
  - Function of the seat belt warning lamp (⟶ page 138).
  - Function of the rear seat belt status display (⟶ page 139).
- The restraint system warning lamp does not light up after the self-check (⟶ page 138).
- The PASSENGER AIR BAG indicator lamps display the correct status of the front passenger airbag (⟶ page 139).

**DEPENDING ON THE DETECTED DEPLOYMENT SITUATION, THE COMPONENTS OF THE RESTRAINT SYSTEM CAN BE ACTIVATED OR DEPLOYED INDEPENDENTLY OF EACH OTHER:**

- Emergency Tensioning Devices: frontal impact, rear impact, side impact, rollover
- Driver's airbag, front passenger airbag: frontal impact
- Knee airbag: frontal impact
- Side airbag: side impact
- Center airbag in the driver's seat backrest: side impact
- Window airbag: side impact, rollover, frontal impact
- PRE-SAFE® Impulse Side: side impact

The installation location of an airbag is identified by the AIRBAG (⟶ page 154) symbol.

Observe the information on how the restraint system works (⟶ page 146).

## Information on how the restraint system works

The function of the restraint system depends on the severity of the impact detected and the apparent type of accident.

For more information about types of accidents, see "Overview of deployment situations" (⟶ page 146).

The activation thresholds for the components of the restraint system are determined based on the evaluation of the sensor values measured at various points in the vehicle. This process is pre-emptive in nature. Triggering of the restraint system components must take place in good time at the start of the impact.

Factors that only become visible or measurable after the collision cannot trigger an airbag deployment. They also do not provide an indication of airbag deployment.

The vehicle may be deformed significantly without an airbag being deployed. This is the case if only parts which are relatively easily deformed are affected and the rate of vehicle deceleration is not high. Conversely, an airbag may have been deployed even though the vehicle shows only slight deformation. If, forexample, very rigid vehicle parts such as longitudinal members are struck, this may result in the vehicle deceleration detected by the sensors being sufficiently high.

Depending on the apparent type of accident and the detected deployment situation, seat belt tensioners and/or airbags can supplement the protection offered by a correctly worn seat belt.

When enabled, an airbag can provide additional protection for the respective vehicle occupant.

**POTENTIAL PROTECTION PROVIDED BY EACH AIRBAG:**

- Knee airbag: thighs, knees, and lower legs
- Driver's airbag, front passenger airbag: head and ribcage
- Window airbag: head
- Side impact airbag: ribcage, also pelvis for front seat occupants
- Center airbag: head and ribcage

However, no system available today can completely eliminate the risk of injuries and fatalities in every accident situation. In particular, the seat belt and airbag generally do not protect against objects penetrating the vehicle from the outside. It is also not possible to completely rule out the risk of injury caused by the airbag deploying.

Mercedes-Benz recommends that you have the vehicle towed to a qualified specialist workshop after an accident. This applies in particular if a seat belt tensioner has been triggered or an airbag has been deployed.

**IF THE SEAT BELT TENSIONERS ARE TRIGGERED OR AN AIRBAG IS DEPLOYED, YOU WILL HEAR A BANG AND A SMALL AMOUNT OF FINE POWDER MAY ALSO BE RELEASED:**

- The bang will not generally affect your hearing.
- In general, the fine powder released is not hazardous to health but may cause short-term breathing difficulties to persons suffering from asthma or other respiratory problems.

  Provided it is safe to do so, leave the vehicle immediately or open the window in order to prevent breathing difficulties.

Airbags and pyrotechnic seat belt tensioners contain perchlorate, a substance which may require special handling or environmental protection measures. National guidelines regarding waste disposal must be observed. In California, go to https://dtsc.ca.gov/ – Use the search function to find information on e.g. perchlorate.

## Information on the limited protection provided by the restraint system

**HAZARDS DUE TO IMPROPER BEHAVIOR OF THE VEHICLE OCCUPANTS**

**EVERY VEHICLE OCCUPANT MUST ENSURE THE FOLLOWING IN PARTICULAR:**

- Adhere to the information on correct seat position (⟶ page 134).
- Do not stow any heavy, pointed, sharp or fragile objects in the pockets of clothing items. Stow such objects in a suitable place.

**WARNING**
Risk of injury or death due to an incorrect seat position

The seat belt does not offer the intended level of protection if you have not moved the seat backrest to an almost vertical position.

In particular, you could slip beneath the seatbelt and become injured.

- ► Adjust the seat properly before beginning your journey.
- ► Always ensure that the seat backrest is in an almost vertical position and that the shoulder belt is routed across the center of your shoulder.

**HAZARDS DUE TO OBJECTS IN THE VEHICLE INTERIOR**

**EVERY VEHICLE OCCUPANT MUST ENSURE THE FOLLOWING IN PARTICULAR:**

- Adhere to the information on correct seat position (⟶ page 134).
- There are no objects between the seat, door and door pillar (B-pillar).
- There are no hard objects, e.g.clothes hangers, hanging on the grab handles or coat hooks.
- Do not stow any heavy, pointed, sharp or fragile objects in the pockets of clothing items. Stow such objects in a suitable place.

To secure objects, luggage or cargo, observe the instructions for loading the vehicle (⟶ page 242).

**WARNING**
Risk of injury or death due to blocked seat belt buckle or seat belt anchorage

Objects next to the front seat that block the seat belt buckle or the moving seat belt anchorage on the front seat impair the function of the Emergency Tensioning Devices.

- ► Before starting the journey, make sure that there are no objects around the seat belt buckle or between the front seat and door.

**WARNING**
Risk of injury from objects in the deployment area of an airbag

Objects in the deployment area of an airbag can hinder or prevent the correct deployment of the airbag.

The airbag may then deploy in an uncontrolled manner and may even cause additional injuries to the vehicle occupants by deploying. This may be the case in particular if the airbag is integrated into the seat.

- ► Always stow and secure objects correctly.
- ► Before commencing your journey, make sure that no objects are stowed in the deployment area of an airbag.

The installation location of an airbag is identified by the symbol AIRBAG (⟶ page 154).

**OBSERVE THE FOLLOWING INFORMATION:**

- Notes on loading the vehicle (⟶ page 242)

- Information on the center airbag in the driver's seat backrest (⟶ page 154)

**HAZARDS DUE TO THE INSTALLATION OF ACCESSORIES**

Do not attach accessories such as mobile navigation devices, mobile phones, or cup holders within the deployment area of an airbag, e.g.on the cockpit, on the door, on the side window or on the side trim.

In addition, do not route or attach connecting cables, tensioning straps, or retaining straps in the vehicle within the deployment area of an airbag. Always comply with the accessory manufacturer's installation instructions and, in particular, the notes on suitable places for installation.

⚠ **WARNING**
Risk of injury or death due to unsuitable protective covers

Unsuitable protective covers mean that air bags can no longer protect vehicle occupants as they are designed to do.

► Use only protective covers approved by Mercedes-Benz for the seat in question.

Moreover, the function of the automatic front passenger airbag deactivation could be restricted due to an unsuitable protective cover. If the front passenger seat is occupied, ensure that the PASSENGER AIR BAG indicator lamps display the correct status of the front passenger airbag (⟶ page 139).

**HAZARDS DUE TO PETS IN THE VEHICLE INTERIOR**

⚠ **WARNING**
Risk of accident and injury due to animals left unsecured or unattended in the vehicle

If you leave animals in the vehicle unattended or unsecured, they could possibly press buttons or switches.

**AN ANIMAL MAY:**

- Activate vehicle equipment and become trapped, for example
- Switch systems on or off and endanger other road users

Unsecured animals may be thrown around in the vehicle in the event of an accident or sudden steering and braking maneuvers and injure vehicle occupants in the process.

► Never leave animals in the vehicle unattended.

► Always correctly secure animals while driving, e.g. using a suitable animal carrier.

**HAZARDS DUE TO MODIFICATION, DAMAGE OR WEAR TO THE COMPONENTS OF THE RESTRAINT SYSTEM**

**WARNING**
Risk of injury or death due to modifications to the restraint system

Vehicle occupants may no longer be protected as intended if alterations are made to the restraint system.

- ► Never alter the parts of the restraint system.
- ► Never tamper with the wiring or any electronic component parts or their software.

If it is necessary to modify the vehicle to accommodate a person with disabilities, contact a Mercedes-Benz service center for details.

USA only: for details please contact our Customer Assistance Center on 1-800-FOR-MERCedes (1-800-367-6372).

**WARNING**
Risk of injury or death due to damaged or modified seat belts

**SEAT BELTS CANNOT PROVIDE PROTECTION IN THE FOLLOWING SITUATIONS:**

- The seat belt is damaged, has been modified, is extremely dirty, bleached or dyed
- The seat belt buckle is damaged or extremely dirty
- Modifications have been made to the Emergency Tensioning Device, seat belt anchorage or seat belt retractor

Seat belts may sustain non-visible damage in an accident, e.g. due to glass splinters.

Modified or damaged seat belts could tear or fail in the event of an accident, for example.

Modified Emergency Tensioning Devices could accidentally trigger or fail to function as intended.

- ► Never modify the seat belt system, for example the seat belt, seat belt buckle, Emergency Tensioning Device, seat belt anchorage and seat belt retractor.
- ► Make sure that the seat belts are undamaged, not worn and clean.
- ► Always have the seat belts checked immediately after an accident at a qualified specialist workshop.

Only use seat belts which have been approved for your vehicle by Mercedes-Benz.

The seat is designed for the standard three-point seat belt. If you fit a different multipoint seat belt, forexample, a four-point seat belt, the restraint system cannot provide the intended level of protection.

Depending on the type of vehicle, there may be openings in the seat backrest. These openings have no function.

**WARNING**
Risk of injury or fatal injury due to modified seat belt systems

If you feed seat belts through the opening in the seat backrest, the seat backrest may be damaged or may even break in the event of an accident.

- Only use the standard three-point seat belt.
- Never modify the seat belt system.

**WARNING**
Risk of injury due to modifications to the cover of an airbag

If you change the cover of an airbag or attach objects, e.g. even stickers, to it, the airbag may no longer function as intended.

- Never modify the cover of an airbag.
- Do not attach any objects to the cover.

The installation location of an airbag is identified by the airbag symbol (⟶ page 154).

**WARNING**
Risk of injury due to malfunctioning sensors in the door

The function of the airbags can be impaired due to modifications or incorrect work performed on the doors or door trim, or if the doors are damaged.

- Never modify the doors or parts of the doors.
- Always have work on the doors or door trim carried out at a qualified specialist workshop.

**HAZARDS DUE TO COMPONENTS OF THE RESTRAINT SYSTEM WHICH HAVE ALREADY BEEN DEPLOYED**

Mercedes-Benz recommends that you have the vehicle towed to a qualified specialist workshop after an accident.

**WARNING**
Risk of burns from hot air bag components

The air bag parts are hot after an air bag has been deployed.

- Do not touch the air bag parts.
- Have a deployed air bag replaced at a qualified specialist workshop as soon as possible.

**WARNING**
Risk of injury due to deployed airbag

A deployed airbag no longer offers any protection.

- Have the vehicle towed to a qualified specialist workshop in order to have the deployed airbag replaced.

Have deployed airbags replaced immediately.

**WARNING**
Risk of injury or death from deployed pyrotechnic Emergency Tensioning Devices

Pyrotechnic Emergency Tensioning Devices that have been deployed are no longer operational and are unable to perform their intended protective function.

- Therefore, have deployed pyrotechnic Emergency Tensioning Devices immediately replaced at a qualified specialist workshop.

# Seat belts

## Releasing the seat belts

- Press the release button in the seat belt buckle and guide the seat belt back with the seat belt tongue.

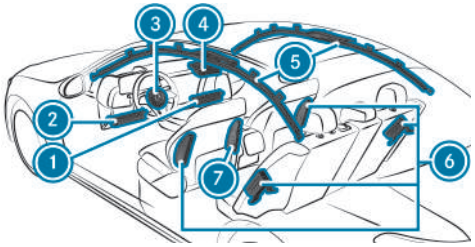
**NOTE**
Damage caused by trapping the seat belt

If an unused seat belt is not fully retracted, it may become trapped in the door or in the seat mechanism.

- Always ensure that an unused seat belt is fully retracted.

# Airbags

## Overview of airbags




1. Front passenger knee airbag
2. Driver's knee airbag
3. Driver's airbag
4. Front passenger airbag
5. Window airbag
6. Side airbag
7. Center airbag

The installation location of an airbag is identified by the symbol AIRBAG. An additional arrow symbol ▶ indicates the installation location for certain airbags.

Observe the information in "Overview of deployment situations" (⟶ page 146).

## Information on the center air bag in the driver's seat backrest

When triggered, the center air bag deploys between the front seats. Do not stow any objects in the deployment area of the center air bag.

Observe the notes on loading the vehicle (⟶ page 242).

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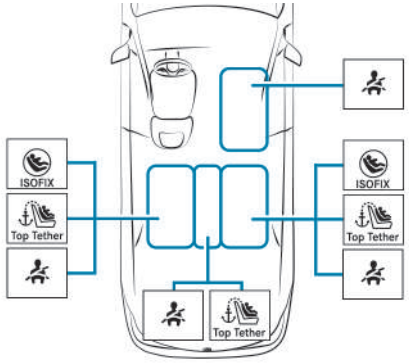
# Children in the vehicle

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
You can return here at any time via the navigation bar at the top left.

Key points in brief
Important safety notes
Suitable child restraint systems for the transport of children
Securing the child restraint system
Child safety locks
Passive occupant presence reminder

# Key points in brief

## Safely transporting children in the vehicle




**ALWAYS OBSERVE THE FOLLOWING WHEN TRANSPORTING CHILDREN:**

- Never leave children unattended in the vehicle (⟶ page 159).
- Secure children younger than twelve or of a height up to 5 ft (1.50 m) on the seat (see illustration above) properly with a suitable and approved child restraint system and secure small children in a rearward-facing child restraint system.
- Observe the child restraint system manufacturer's installation instructions.

**LEFT/RIGHT REAR SEAT (PREFERRED SEATS)**
**PREFERRED FASTENING SYSTEM:**

ISOFIX mounting brackets (⟶ page 168)

and additionally fasten the top tether if present (⟶ page 170).

**ALTERNATIVE ATTACHMENT SYSTEM:**

Vehicle seat belt (⟶ page 171)

Additionally fasten the top tether if recommended by the manufacturer of the child restraint system (⟶ page 170).

**FRONT PASSENGER SEAT**
**FASTENING SYSTEM:**

Vehicle seat belt (⟶ page 171)

**BE SURE TO OBSERVE:**

- If the front passenger seat is occupied, before starting the journey, ensure that the status of the front passenger airbag is correct for the current situation (⟶ page 142).

**REAR CENTER SEAT**

**FASTENING SYSTEM:**

 Vehicle seat belt (⟶ page 171)

 Additionally fasten the top tether if recommended by the manufacturer of the child restraint system (⟶ page 170).

# Important safety notes

## Basic information

**BE DILIGENT**
Negligence when securing a child in the child restraint system may have serious consequences. Secure the child carefully before each journey.

Never allow babies and children to travel sitting on the lap of another vehicle occupant.

**TO IMPROVE PROTECTION FOR CHILDREN YOUNGER THAN TWELVE YEARS OR UNDER 5 FT (1.50 M) IN HEIGHT, MERCEDES-BENZ URGENTLY RECOMMENDS THAT YOU OBSERVE THE FOLLOWING:**

- Always secure the child in a child restraint system suitable for this Mercedes-Benz vehicle.
- The child restraint system must be appropriate to the age, weight and size of the child.
- The vehicle seat must be suitable for the child restraint system to be installed.

Accident statistics show that children secured on the rear seats are generally safer than children secured on the front seats. For this reason, Mercedes-Benz strongly advises that the child restraint system is installed on a rear seat.

**THE GENERIC TERM CHILD RESTRAINT SYSTEM**

**THE GENERIC TERM CHILD RESTRAINT SYSTEM IS USED IN THIS OPERATOR'S MANUAL. A CHILD RESTRAINT SYSTEM IS, FOR EXAMPLE:**

- a baby car seat
- a rearward-facing child seat
- a forward-facing child seat
- a child booster seat – Mercedes-Benz recommends using a child booster seat **with** a seat backrest and seat belt guide.

**OBSERVE LAWS AND LEGAL REQUIREMENTS**
Always observe the legal requirements when using a child restraint system in the vehicle.

**SECURING SYSTEMS FOR CHILD RESTRAINT SYSTEMS IN THE VEHICLE**

**ONLY USE THE FOLLOWING SECURING SYSTEMS FOR CHILD RESTRAINT SYSTEMS:**

- the ISOFIX mounting brackets
- the vehicle's seat belt system
- the top tether anchorages

Simply attaching to the ISOFIX mounting brackets on the vehicle can reduce the risk of installing the child restraint system incorrectly.

When securing a child with the integrated seat belt of the ISOFIX/LATCH child restraint system, always comply with the permissible gross weight for the child and child restraint system (⟶ page 168).

A child booster seat may be necessary to achieve proper seat belt positioning for children over 40 lbs (18 kg) in weight or until they reach a height where a three-point seat belt can be installed properly without a child booster seat.

Mercedes-Benz recommends a suitable child booster seat with a backrest and seat belt guide.

**OBSERVE STANDARDS FOR CHILD RESTRAINT SYSTEMS**

**ALL CHILD RESTRAINT SYSTEMS MUST MEET THE FOLLOWING STANDARDS:**

- U.S. Federal Motor Vehicle Safety Standards 213
- Canada Motor Vehicle Safety Standards 213

Confirmation that the child restraint system complies with the standards can be found on an information label on the child restraint system. This confirmation can also be found in the installation instructions that are included with the child restraint system.

## Important warning stickers

**ALWAYS SECURE A CHILD RESTRAINT SYSTEM CORRECTLY**

**WARNING**
Risk of injury or death due to incorrect installation of the child restraint system

The child can then not be protected or restrained as intended.

- ► Be sure to comply with the manufacturer's installation instructions for the child restraint system and its correct use.
- ► Make sure that the entire base of the child restraint system always rests on the sitting surface of the seat.
- ► Never place objects (e.g. cushions) under or behind the child restraint system.
- ► Use child restraint systems only with the original cover designed for them.
- ► Always replace damaged covers with genuine covers.

- Always observe the vehicle-specific information.
  - Installing the ISOFIX/LATCH child restraint system on the right and left rear seats (⟶ page 168).
  - Securing the child restraint system with the seat belt (⟶ page 171).
- Observe the warning labels in the vehicle interior and on the child restraint system.

**WARNING**
Risk of injury or death due to unsecured child restraint systems in the vehicle

If the child restraint system is incorrectly mounted or unsecured, it may come loose.

The child can then not be protected or restrained as intended.

Unused child restraint systems could be flung around and hit vehicle occupants.

- Always comply with the manufacturer's installation instructions for the child restraint system and its correct use.
- Always fit child restraint systems correctly, even if they are transported in the vehicle unused.

**DO NOT MODIFY THE CHILD RESTRAINT SYSTEM**

**WARNING**
Risk of injury due to modifications to the child restraint system

The child restraint system can no longer function properly. This poses an increased risk of injury.

- Never modify a child restraint system.
- Only affix accessories which have been specially approved for this child restraint system by the child restraint system's manufacturer.

**ONLY USE CHILD RESTRAINT SYSTEMS WHICH ARE IN PROPER WORKING CONDITION**

**WARNING**
Risk of injury or death caused by the use of damaged child restraint systems

Child restraint systems or their retaining systems that have been subjected to stress in an accident may not be able to perform their intended protective function.

It may be the case that the child cannot be properly restrained.

- Always immediately replace child restraint systems that have been damaged or involved in an accident.
- Have the securing systems for the child restraint systems checked at a qualified specialist workshop before installing a child restraint system again.

**AVOID DIRECT SUNLIGHT**

**WARNING**
Risk of burns when the child seat is exposed to direct sunlight

If the child restraint system is exposed to direct sunlight or heat, parts could heat up excessively.

Children could suffer burns from these parts, particularly the metallic parts of the child restraint system.

- ► Always make sure that the child restraint system is not exposed to direct sunlight.
- ► Cover the child restraint system with a blanket, for example.
- ► If the child restraint system has been exposed to direct sunlight, allow it to cool before securing a child into it.
- ► Never leave children unattended in the vehicle.

**OBSERVE WHEN STOPPING OR PARKING**

**WARNING**
Risk of fatalities due to exposure to extreme heat- or cold in the vehicle

If persons – and in particular children – are exposed to solar radiation, or the effects of heat or cold for prolonged periods of time, there is a risk of sustaining injuries or even fatalities!

- ► Never leave people – especially children – unattended in the vehicle.

**WARNING**
Risk of accident and injury if children are left unattended in the vehicle

**IF CHILDREN ARE LEFT UNATTENDED IN THE VEHICLE, THEY COULD IN PARTICULAR:**

- open doors, thereby endangering other persons or road users.
- get out and be struck by oncoming traffic.
- operate vehicle equipment and become trapped, for example.

**IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION, FOR EXAMPLE BY:**

- releasing the parking brake.
- changing gear.
- starting the vehicle.

- ► Never leave children unattended in the vehicle.
- ► When leaving the vehicle, always take the SmartKey with you and lock the vehicle.
- ► Keep the SmartKey out of the reach of children.

This also applies to the Digital Vehicle Key.

**NOTES FOR VEHICLES WITH THE MBUX INTERIOR ASSISTANT**

This equipment is not available with every seat variant.

**ALSO NOTE THE ADDITIONAL FUNCTIONS OF THE MBUX INTERIOR ASSISTANT:**

- If the child restraint system is not fastened, a corresponding message appears in the driver display (⟶ page 531).

## Forward-facing and rearward-facing child restraint systems on the front passenger seat

**WARNING**
Risk of injury- or fatal accident due to the use of a rearward-facing child restraint system with the front passenger airbag activated

If you secure a child in a rearward-facing child restraint system in the front passenger seat and the PASSENGER AIR BAG OFF indicator lamp is off, the front passenger airbag may deploy in the event of an accident.

The airbag may hit the child.

- ► Always ensure that the front passenger airbag is deactivated. The PASSENGER AIR BAG OFF indicator lamp must be lit.
- ► NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur.

Observe the specific instructions for the rearward-facing and forward-facing child restraint systems (⟶ page 166).

**WHEN INSTALLING A CHILD RESTRAINT SYSTEM ON THE FRONT PASSENGER SEAT IS UNAVOIDABLE, ALWAYS OBSERVE THE FOLLOWING INFORMATION:**

- When using a rearward-facing child restraint system on the front passenger seat, the front passenger airbag must always be disabled. This is only the case if the PASSENGER AIR BAG OFF indicator lamp is lit continuously (⟶ page 139).
- The front passenger airbag is enabled when the PASSENGER AIR BAG OFF indicator lamp is not on. The front passenger airbag may be deployed during an accident. In this case, do not use rearward-facing child restraint systems.

## Information on automatic front passenger airbag deactivation

If the front passenger seat is occupied, ensure, both before and during the journey, that the status of the front passenger airbag is correct for the current situation.

**WARNING**
Risk of injury or death due to objects between the seat surface and the child restraint system

Objects between the seat surface and the child restraint system can interfere with the function of the automatic front passenger air bag shutoff.

- Do not place any objects between the seat surface and the child restraint system.
- Make sure that the entire base of the child restraint system rests on the seat cushion of the front passenger seat.
- The backrest of a forward-facing child restraint system must, as far as possible, be resting against the seat backrest of the front passenger seat.
- Always comply with the installation instructions from the child restraint system manufacturer.

When fitting a child restraint system to the front passenger seat, observe the vehicle-specific information (⟶ page 162).

**REAR-FACING CHILD RESTRAINT SYSTEM ON THE FRONT PASSENGER SEAT**
If a rear-facing child restraint system is installed on the front passenger seat, the front passenger airbag must be deactivated. The indicator lamp PASSENGER AIR BAG OFF must light up continuously (⟶ page 139).

**WARNING**
Risk of injury- or fatal accident due to the use of a rearward-facing child restraint system with the front passenger airbag activated

If you secure a child in a rearward-facing child restraint system in the front passenger seat and the PASSENGER AIR BAG OFF indicator lamp is off, the front passenger airbag may deploy in the event of an accident.

The airbag may hit the child.

- Always ensure that the front passenger airbag is deactivated. The PASSENGER AIR BAG OFF indicator lamp must be lit.
- NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur.

If the indicator lamp PASSENGER AIR BAG OFF does not light up, fit the rear-facing child restraint system on a suitable rear seat.

**FRONT-FACING CHILD RESTRAINT SYSTEM ON THE FRONT PASSENGER SEAT**
If a front-facing child restraint system is installed on the front passenger seat, the front passenger airbag may be enabled or disabled. The status of the front passenger airbag depends on the child restraint system and the stature of the child.

The indicator lamp PASSENGER AIR BAG OFF is either lit continuously, or not lit at all (⟶ page 139). Always observe the following information.

**WARNING**
Risk of injury or death due to incorrect positioning of the child restraint system

**IF YOU SECURE A CHILD IN A FORWARD-FACING CHILD RESTRAINT SYSTEM ON THE CO-DRIVER SEAT AND YOU POSITION THE CO-DRIVER SEAT TOO CLOSE TO THE DASHBOARD, IN THE EVENT OF AN ACCIDENT, THE CHILD COULD:**

- come into contact with the vehicle's interior if the PASSENGER AIR BAG OFF indicator lamp is lit, for example
- be struck by the airbag if the PASSENGER AIR BAG OFF indicator lamp is off

► Always move the co-driver seat as far back as possible. In doing so, always make sure that the shoulder belt strap is correctly routed from the seat belt outlet of the vehicle to the shoulder belt guide on the child restraint system. The shoulder belt strap must be routed forwards and downwards from the seat belt outlet. If necessary, adjust the seat belt outlet and the co-driver seat accordingly.

► Always comply with the child restraint system manufacturer's installation instructions.

# Suitable child restraint systems for the transport of children

## Advantage of a rearward-facing child restraint system

Transport a baby in a suitable rearward-facing child restraint system only. It is also preferable to transport a small child in a suitable rearward-facing child restraint system. In this case, the child sits in the opposite direction to the direction of travel and faces backwards.

Babies and small children have comparatively weak neck muscles in relation to the size and weight of their head. The risk of injury to the cervical spine during an accident can be reduced in a rearward-facing child restraint system.

# Securing the child restraint system

## Adjusting the seat correctly

**WHEN INSTALLING A CHILD RESTRAINT SYSTEM ON THE LEFT OR RIGHT REAR SEAT, ALWAYS OBSERVE THE FOLLOWING:**

- Make sure that the child's feet do not touch the front seat. If necessary, move the front seat slightly forwards.

The head restraint of the child restraint system may not be able to be fully extended when installed in the vehicle. This then leads to a restriction of the maximum size setting for certain child restraint systems. In this case observe the child restraint system manufacturer's installation instructions.

ⓘ Contact with the roof when the head restraint is fully extended and locked in place will not result in any restrictions on use.

**ALSO OBSERVE THE FOLLOWING WHEN INSTALLING AN ISOFIX/LATCH CHILD RESTRAINT SYSTEM:**

- **When using a rearward-facing child restraint system on a rear seat:** adjust the front seat so that it does not touch the child restraint system.
- **When using a forward-facing child restraint system with integrated child seat belt:** adjust the head restraint of the respective seat so that it does not push the child restraint system forwards. If necessary, the respective head restraint can be removed. In addition, the seat backrest of the child restraint system must lie as flat as possible against the backrest of the vehicle seat. After the child restraint system has been removed, replace the vehicle head restraint immediately and adjust it correctly.
- The child restraint system must not be put under strain between the roof and the seat cushion and/or be installed facing the wrong direction. Where possible, adjust the seat cushion inclination accordingly.
- Adjust the vehicle head restraints so that the child restraint system is not put under strain by the head restraint.

**WHEN INSTALLING A BELT-SECURED CHILD RESTRAINT SYSTEM, ALSO OBSERVE THE FOLLOWING:**

- **When using a rearward-facing child restraint system on a rear seat:** adjust the front seat so that it does not touch the child restraint system.
- Additionally fasten the top tether if present (⟶ page 170).
- **When using a forward-facing child restraint system with integrated child seat belt:** adjust the head restraint of the respective seat so that it does not push the child restraint system forwards. If necessary, the respective head restraint can be removed. In addition, the seat backrest of the child restraint system must lie as flat as possible against the backrest of the vehicle seat. After the child restraint system has been removed, replace the vehicle head restraint immediately and adjust it correctly.
- The backrest of the forward-facing child restraint system must, as far as possible, be resting on the seat backrest of the rear seat.

- The child restraint system must not be put under strain between the roof and the seat cushion and/or be installed facing the wrong direction. Where possible, adjust the seat cushion inclination accordingly.
- Adjust the vehicle head restraints so that the child restraint system is not put under strain by the head restraint.
- Make sure that the child's feet do not touch the front seat. If necessary, move the front seat slightly forwards.

**DEPENDING ON THE VEHICLE EQUIPMENT, ALWAYS OBSERVE THE FOLLOWING WHEN INSTALLING A BELT-SECURED CHILD RESTRAINT SYSTEM ON THE FRONT PASSENGER SEAT:**

- Observe the notes on rearward-facing and forward-facing child restraint systems on the front passenger seat (⟶ page 162).
- **When using a forward-facing child restraint system integrated child seat belt:** remove the head restraint from the front passenger seat, if possible. After the child restraint system has been removed, immediately replace the head restraint and adjust it correctly.
- The backrest of the forward-facing child restraint system must, as far as possible, be resting against the seat backrest of the front passenger seat.
- The child restraint system must not be put under strain between the roof and the seat cushion and/or be installed facing the wrong direction.
- Adjust the vehicle head restraints so that the child restraint system is not put under strain by the head restraint.
- Never place objects (e.g.cushions) under or behind the child restraint system.
- Set the front passenger seat as far back as possible and move the seat into the highest position if possible. Always make sure that the shoulder belt strap is correctly routed from the seat belt outlet of the vehicle to the shoulder belt guide on the child restraint system. The shoulder belt strap must be routed forwards from the seat belt outlet and, where possible, downwards to the child restraint system.
- Fully retract the seat cushion length adjustment.
- Adjust the seat cushion inclination so that the front edge of the seat cushion is in the highest position and the rear edge of the seat cushion is in the lowest position.
- Set the seat backrest to the most vertical position possible.

## Activating or deactivating the child seat safety feature of the seat belt

**WARNING**
Risk of injury or death if a seat belt is unfastened while the vehicle is in motion

If the seat belt is released while the vehicle is in motion, the special seat belt retractor is deactivated and the child restraint system is no longer correctly secured. The seat belt is drawn in slightly by the inertia reel and cannot be immediately closed again.

- Stop the vehicle immediately in accordance with the traffic conditions.
- Activate the special seat belt retractor again and correctly secure the child restraint system.

When enabled, the child seat safety feature ensures that the seat belts on the front passenger seat and rear seats do not slacken once the child restraint system is secured.

**THE SEAT BELTS ON THE FOLLOWING SEATS ARE EQUIPPED WITH A CHILD SEAT SAFETY FEATURE:**

- Front passenger seat
- Rear seats

**INSTALLING A CHILD RESTRAINT SYSTEM**

- ► When installing a child restraint system, always observe the manufacturer's installation and operating instructions as well as the information in this Operator's Manual.
- ► Pull the seat belt out of the seat belt outlet smoothly.
- ► Engage the seat belt tongue in the seat belt buckle.

**ACTIVATING THE CHILD SEAT SAFETY FEATURE**

- ► Pull the seat belt out fully and let the inertia reel retract it again.

  When the child seat safety feature is activated, you should hear a ratcheting sound.
- ► Push the child restraint system down until the seat belt is taut.

**DEACTIVATING THE CHILD SEAT SAFETY FEATURE**

- ► Press the release button on the seat belt buckle.
- ► Hold the seat belt tongue and guide it back to the seat belt outlet.

## installing an ISOFIX/LATCH child restraint system

**WARNING**
Risk of accident if the rear bench seat, rear seat and seat backrest are not engaged

The rear bench seat, rear seat and seat backrest may fold forwards, even when you are driving.

- As a result, the vehicle occupant will be pushed into the seat belt with increased force. The seat belt will not be able to protect as intended and could cause additional injury.
- Objects or loads in the trunk or cargo compartment will not be restrained by the seat backrest.

- ► Make sure that the rear bench seat, the rear seat and the seat backrest are engaged before every trip.

If the seat backrest in the rear passenger compartment is not engaged and locked, the red lock verification indicator will be visible.

**WARNING**
Risk of injury or death if the permissible gross mass of the child and child restraint system together is exceeded.

Too much load may be placed on the LATCH-type (ISOFIX) or iSize child restraint systems and the child may not be restrained correctly in the event of an accident, for example.

- If the child is secured in a LATCH-type (ISOFIX) child restraint system with integrated seat belt, the total mass of the child and child restraint system must not exceed 73 lb (33 kg).

**ALWAYS OBSERVE THE INFORMATION ON THE WEIGHT OF THE CHILD RESTRAINT SYSTEM:**

- in the installation and operating instructions provided by the manufacturer of the child restraint system used
- on a label on the child restraint system, if present

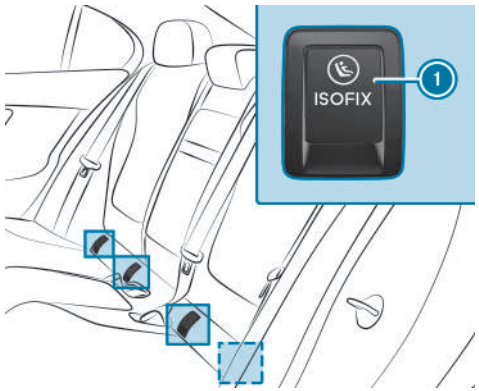
Regularly check that the permissible total mass of the child and child restraint system is still being adhered to.

**Requirements:**

**WHEN INSTALLING A CHILD RESTRAINT SYSTEM, ALSO OBSERVE THE FOLLOWING:**

☑ Always observe the area of use and the suitability of the seats for attaching a child restraint system.

ISOFIX mounting brackets




(1) ISOFIX mounting brackets

- Before every journey always ensure that the ISOFIX/LATCH child restraint system is correctly engaged in both mounting brackets on the vehicle.

**NOTE**
Damage to the seat belt for the center seat during installation of the child restraint system

- Make sure that the seat belt is not trapped.

- Fold the covers of the ISOFIX mounting brackets (1) back.
- Attach the ISOFIX/LATCH child restraint system to both mounting brackets (1) in the vehicle.

# Fastening a top tether

**WARNING**
Risk of injury or death if the rear seat backrests are not locked after Top Tether belts are installed

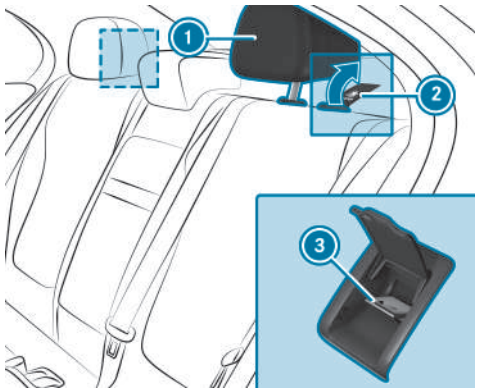
The rear seat backrests may fold forwards when you are driving.

As a result, child restraint systems will no longer be able to perform their intended protective function. This may also cause additional injuries.

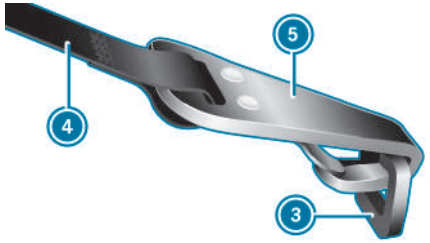
- Always lock rear seat backrests after installing Top Tether belts.
- Observe the lock verification indicator.

If the seat backrest in the rear is not engaged and locked, the red lock verification indicator will be visible.
The child restraint system is equipped with a top tether belt. A top tether is designed to reduce the risk of injury.

A top tether is designed to reduce the risk of injury. The top tether belt enables an additional connection between the child restraint system attached with ISOFIX/LATCH (left and right rear seats) or the seat belt (all rear seats) and the vehicle.




- If necessary, slide the head restraint (1) upwards (⟶ page 228).
- Fold up the cover (2) of the top tether anchorage (3).
- Install the ISOFIX/LATCH or belt-secured child restraint system with a top tether. Observe the child restraint system manufacturer's installation instructions.




- Feed the top tether belt (4) under the head restraint (1) between the two head restraint bars.
- Hook the top tether hook (5) of the top tether belt (4) into the top tether anchorage (3) without twisting.

- ► Apply tension to the top tether belt (4). Observe the child restraint system manufacturer's installation instructions.
- ► Fold down the cover (2) of the top tether anchorage (3).
- ► If necessary, slide the head restraint (1) downwards (⟶ page 228). Ensure that correct routing of the top tether belt (4) is not compromised.

## Fastening the child restraint system with the seat belt

**WARNING**
Risk of accident if the rear bench seat, rear seat and seat backrest are not engaged

The rear bench seat, rear seat and seat backrest may fold forwards, even when you are driving.

- As a result, the vehicle occupant will be pushed into the seat belt with increased force. The seat belt will not be able to protect as intended and could cause additional injury.
- Objects or loads in the trunk or cargo compartment will not be restrained by the seat backrest.

► Make sure that the rear bench seat, the rear seat and the seat backrest are engaged before every trip.

If the seat backrest in the rear passenger compartment is not engaged and locked, the red lock verification indicator will be visible.

**THE SEAT BELTS ON THE FOLLOWING SEATS ARE EQUIPPED WITH A CHILD SEAT SAFETY FEATURE:**

- Front passenger seat
- Rear seats

When enabled, the child seat safety feature ensures that the seat belts of the front passenger seat and rear seats do not slacken once the child restraint system is secured.

- ► For a child restraint system of the category "Universal" or "Semi-Universal" ensure that this is approved for the vehicle seat.
- ► Install the child restraint system.
  The entire base of the child restraint system must always rest on the sitting surface of the seat.
- ► Always make sure that the shoulder belt strap is correctly routed from the seat belt outlet of the vehicle to the shoulder belt guide on the child restraint system.
  The shoulder belt strap must be routed forwards from the seat belt outlet and, where possible, downwards to the child restraint system.
- ► **When installing on the rear seat:** additionally fasten the top tether, if present (⟶ page 170).
- ► **When installing on the front passenger seat:** if necessary, adjust the seat belt outlet and the front passenger seat appropriately.

# Child safety locks

## Activating/deactivating the child safety lock for the rear doors

**WARNING**
Risk of accident and injury if children are left unattended in the vehicle

**IF CHILDREN ARE LEFT UNATTENDED IN THE VEHICLE, THEY COULD IN PARTICULAR:**

- open doors, thereby endangering other persons or road users.
- get out and be struck by oncoming traffic.
- operate vehicle equipment and become trapped, for example.

**IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION, FOR EXAMPLE BY:**

- releasing the parking brake.
- changing gear.
- starting the vehicle.

► Never leave children unattended in the vehicle.

► When leaving the vehicle, always take the SmartKey with you and lock the vehicle.

► Keep the SmartKey out of the reach of children.

This also applies to the Digital Vehicle Key.

**WARNING**
Risk of fatalities due to exposure to extreme heat- or cold in the vehicle

If persons – and in particular children – are exposed to solar radiation, or the effects of heat or cold for prolonged periods of time, there is a risk of sustaining injuries or even fatalities!

► Never leave people – especially children – unattended in the vehicle.

**WARNING**
Risk of accident and injury due to children left unattended in the vehicle

**IF CHILDREN ARE TRAVELING IN THE VEHICLE, THEY COULD, IN PARTICULAR:**

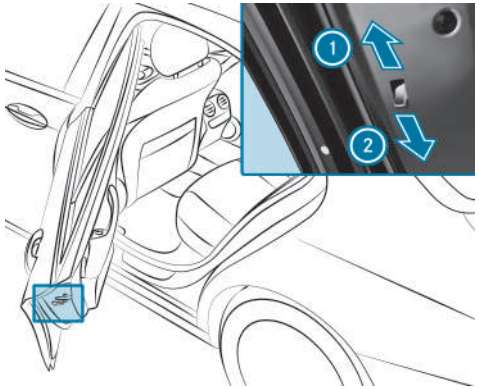
- Open doors, thereby endangering other persons or road users.
- Get out and be struck by oncoming traffic.
- Operate vehicle equipment and become trapped, for example.

► Always activate the installed child safety locks if children are traveling in the vehicle.

► Never leave children unattended in the vehicle.

► When leaving the vehicle, always take the SmartKey with you and lock the vehicle.

There are child safety locks for the rear doors and the side windows in the rear passenger compartment.
The child safety locks on the rear doors secure each door separately. The doors can no longer be opened from the inside.




► Press the lever in the direction indicated by the arrow 1 (activate) or 2 (deactivate).

► Check the functionality of the child safety lock.

# Activating/deactivating the child safety lock for the rear passenger compartment side windows

**WARNING**
Risk of accident and injury if children are left unattended in the vehicle

**IF CHILDREN ARE LEFT UNATTENDED IN THE VEHICLE, THEY COULD IN PARTICULAR:**

- open doors, thereby endangering other persons or road users.
- get out and be struck by oncoming traffic.
- operate vehicle equipment and become trapped, for example.

**IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION, FOR EXAMPLE BY:**

- releasing the parking brake.
- changing gear.
- starting the vehicle.

► Never leave children unattended in the vehicle.

► When leaving the vehicle, always take the SmartKey with you and lock the vehicle.

► Keep the SmartKey out of the reach of children.

**WARNING**
Risk of fatalities due to exposure to extreme heat- or cold in the vehicle

If persons – and in particular children – are exposed to solar radiation, or the effects of heat or cold for prolonged periods of time, there is a risk of sustaining injuries or even fatalities!

► Never leave people – especially children – unattended in the vehicle.

**WARNING**
Risk of accident and injury due to children left unattended in the vehicle

**IF CHILDREN ARE TRAVELING IN THE VEHICLE, THEY COULD, IN PARTICULAR:**

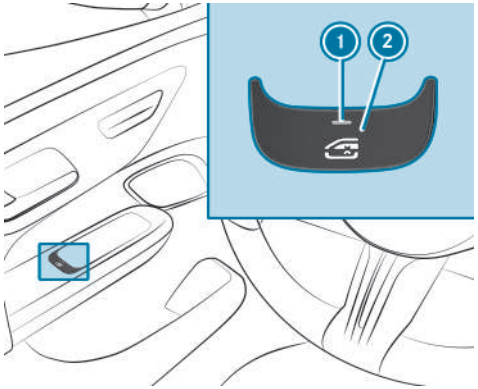
- Open doors, thereby endangering other persons or road users.
- Get out and be struck by oncoming traffic.
- Operate vehicle equipment and become trapped, for example.

► Always activate the installed child safety locks if children are traveling in the vehicle.

► Never leave children unattended in the vehicle.

► When leaving the vehicle, always take the SmartKey with you and lock the vehicle.

There are child safety locks for the rear passenger compartment doors and the rear passenger compartment side windows.




► **To activate/deactivate:** press the button (2).

**THE REAR PASSENGER COMPARTMENT SIDE WINDOW CAN BE OPENED OR CLOSED AS FOLLOWS:**

- The indicator lamp (1) is lit: via the switch on the driver's door
- The indicator lamp (1) is off: via the switch on the corresponding rear passenger compartment door or driver's door

# Passive occupant presence reminder

## Function of the passive occupant presence reminder

The passive occupant presence reminder can help to remind you of a child that may have been forgotten in the rear passenger compartment of the vehicle. It activates automatically if it can be assumed that small children could get in or out of the vehicle if a rear door is opened for a lengthy period of time before or while the vehicle is switched on.

When the vehicle is switched off, the Do Not Leave People or Animals in the Vehicle message appears on the driver display if the system was already automatically activated.

**THE SYSTEM DEACTIVATES AUTOMATICALLY IN THE FOLLOWING SITUATIONS:**

- When the rear door is opened after a journey.
- Two minutes after the end of the journey.
- When the vehicle is locked from the outside.

You can permanently deactivate the function in the multimedia system (⟶ page 176). When the system is deactivated, the indicator lamp in the driver display lights up.

## Switching the passive occupant presence reminder on or off in the multimedia system

Multimedia system:

Settings » Vehicle » Occupant Protection

▶ Activate or deactivate the function.

ⓘ The function is permanently switched on or off.

Back to contents

# Opening and closing

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
You can return here at any time via the navigation bar at the top left.

SmartKey
Digital Vehicle Key
Doors
Trunk
Side windows
Sliding sunroof
Roller sun blinds
Anti-theft protection

# SmartKey

## Overview of the key's function

**WARNING**
Risk of accident and injury due to children left unattended in the vehicle

**IF YOU LEAVE CHILDREN UNATTENDED IN THE VEHICLE, THEY COULD, IN PARTICULAR:**

- open doors, thereby endangering other persons or road users.
- get out and be struck by oncoming traffic.
- operate vehicle equipment and become trapped, for example.

**IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION BY, FOR EXAMPLE:**

- releasing the parking brake.
- changing the gearbox position.
- starting the vehicle.

► Never leave children unattended in the vehicle.

► When leaving the vehicle, always take the key with you and lock the vehicle.

► Keep the key out of reach of children.

This also applies to the Digital Vehicle Key.

**NOTE**
Damage to the SmartKey caused by magnetic fields

► Keep the SmartKey away from strong magnetic fields.

A personalized user profile can be stored for each vehicle key. When the vehicle is unlocked with the key, the lighting, mirror and seat settings for the user profile are preactivated. Information on programming the key for profile selection (→ page 519).




Vehicle key with panic alarm

1. Opens/closes the trunk lid
2. Unlocks (with embossed surface)
3. Locks
4. Indicator lamp
5. Panic alarm

If the indicator lamp 4 does not light up after pressing the button or , the battery charge level is low or possibly completely discharged. Replace the battery as soon as possible.

Replace the key battery (⟶ page 181).

**THE KEY LOCKS AND UNLOCKS THE FOLLOWING COMPONENTS:**

- Doors
- Fuel filler flap
- Socket flap (plug-in hybrid)
- Trunk lid

If the vehicle is not opened within approximately 40 seconds after unlocking, the vehicle is locked again. Anti-theft protection is activated again.

Do not keep the key together with electronic devices or metal objects. This could impair the key's functionality.

## Activating/deactivating the acoustic locking verification signal

Multimedia system:

Settings Vehicle Open/Close

- Switch the Acoustic Lock on or off.

## Activating/deactivating the panic alarm

**Requirements:**

- The vehicle is switched off.




- **To activate:** press the button 1 for approximately one second.
  A visual and audible alarm is triggered.
- **To deactivate:** briefly press the button 1 again.

or

- Switch on the power supply or the vehicle (⟶ page 309).
  A key belonging to the vehicle must be detected within the vehicle.

## Changing the unlocking settings

**POSSIBLE UNLOCKING FUNCTIONS OF THE KEY:**

- Central unlocking
- Unlocking the driver's door and fuel filler flap
- **Plug-in hybrid:** unlocking the driver's door and fuel filler flap/socket flap

► **To switch between settings:** press the buttons [🔓] and [🚗] simultaneously for approximately six seconds until the indicator lamp flashes twice.

**OPTIONS IF THE UNLOCKING FUNCTION FOR THE DRIVER'S DOOR AND FUEL FILLER FLAP HAS BEEN SELECTED:**

- **To unlock the vehicle centrally:** press the button [🔓] twice.
- **Vehicles with KEYLESS-GO:** if you touch the inner surface of the door handle on the driver's door, only the driver's door and the fuel filler flap are unlocked.

**OPTIONS IF THE UNLOCKING FUNCTION FOR THE DRIVER'S DOOR AND FUEL FILLER FLAP/SOCKET FLAP HAS BEEN SELECTED (PLUG-IN HYBRID):**

- **To unlock the vehicle centrally:** press the button [🔓] twice.
- **Vehicles with KEYLESS-GO:** if you touch the inner surface of the door handle on the driver's door, only the driver's door and the fuel filler flap/socket flap are unlocked.

## Deactivating the key's function

**Vehicles with KEYLESS-GO:** if you deactivate the key's function, the KEYLESS-GO functions will also be deactivated. Access or drive authorization via KEYLESS-GO will then no longer be possible with that key. Activate the function of the key so that all functions are available once again with this key.

You can also deactivate the key's function to reduce the key's energy consumption if you do not use the vehicle or a key for an extended period of time.

► Press and hold the [🚗] key button.

► With the [🚗] button pressed, immediately press the [🔓] key button twice in quick succession.

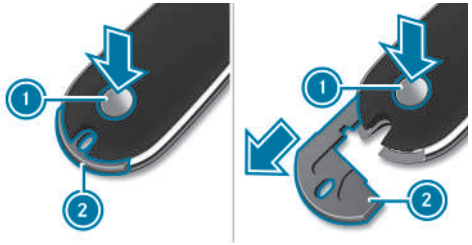
The indicator lamp of the key lights up once briefly, and then again for longer.

ⓘ **YOU HAVE THE FOLLOWING OPTIONS TO REACTIVATE THE KEY:**

- Press any button on the key.
- Start the vehicle with the key in the marked space in the center console (→ page 312).

## Removing/inserting the emergency key

**REMOVING THE EMERGENCY KEY**

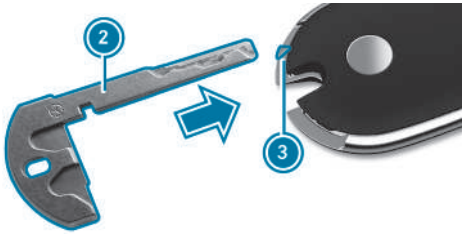



► Press the release knob (1).

The emergency key (2) is pushed out slightly.

► Fully remove the emergency key (2).

### INSERTING THE EMERGENCY KEY




► Insert the emergency key (2) up to the marking (3) until it engages.

ⓘ You can use the emergency key (2) to attach the key to a key ring.

## Replacing the key battery

**DANGER**
Risk of fatal injuries due to swallowing batteries

Batteries contain toxic and corrosive substances. If batteries are swallowed or otherwise enter the body, severe internal burns can occur within two hours.

There is a risk of fatal injury.

► Keep batteries out of the reach of children.

► If the battery compartment cover and/or lid do not close securely, stop using the key and keep it away from children.

► If batteries are swallowed or otherwise enter the body, seek immediate medical attention.

**WARNING**
Risk of battery explosion due to high temperatures

Flammable gases can escape when batteries are exposed to high temperatures, e.g. due to prolonged exposure to sunlight. There is a risk of explosion!

► Do not expose batteries to high temperatures.

**ENVIRONMENTAL NOTE**
Environmental damage due to improper disposal of batteries

Batteries contain pollutants. It is illegal to dispose of them with the household rubbish.

► Dispose of batteries in an environmentally responsible manner. Take discharged batteries to a qualified specialist workshop or to a collection point for used batteries.

**Requirements:**

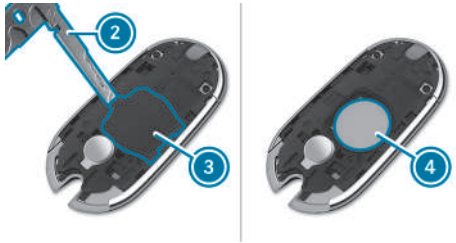
- You need a CR 2032 lithium cell battery (3 V).

Mercedes-Benz recommends that you have the battery replaced at a qualified specialist workshop.

► Remove the emergency key (→ page 180).




► Press the emergency key 2 into the opening in the key in the direction indicated by the arrow until the cover 1 opens. When doing so, do not press down on the cover 1.




► Insert the emergency key 2 into the opening and unclip and remove the cover 3.

► Repeatedly tap the key against your palm until the battery 4 is ejected from the key.

► Insert the new battery with the positive terminal facing upwards. Use a lint-free cloth.

► Ensure that the surface of the battery is free from lint, grease and other impurities.

► Insert the front tabs of the cover 3 into the housing and then press down on both sides.

► Ensure that the cover 3 is completely closed.

► Insert the front tabs of the cover 1 into the housing and then press down until it is completely closed.

► Insert the emergency key again (→ page 180).

# Troubleshooting problems with the key

**YOU CAN NO LONGER LOCK OR UNLOCK THE VEHICLE**

**POSSIBLE CAUSES:**

- The key battery is at low capacity or is flat.

► Check the battery via the indicator lamp (⟶ page 178).

► Replace the key battery as necessary (⟶ page 181).

► Use the replacement key.

► Use the emergency key to lock or unlock (⟶ page 194).

► Have the key checked at a qualified specialist workshop.

**INTERFERENCE FROM A POWERFUL RADIO SIGNAL SOURCE**

**POSSIBLE CAUSES FOR IMPAIRMENT OF THE KEY'S FUNCTION:**

- high-voltage power lines
- mobile phones
- electronic devices (notebooks, tablets)
- shielding due to metallic objects or induction loops for electrical gate systems or automatic barriers
- charging stations

► Ensure sufficient distance between the key and potential sources of interference.

**YOU HAVE LOST A KEY**

► Have the key deactivated at a qualified specialist workshop.

► If necessary, have the mechanical lock replaced as well.

# Digital Vehicle Key

## Function of the Digital Vehicle Key

Once you have activated a compatible, mobile end device as a Digital Vehicle Key, e.g.a smartphone, this can then be used in the same way as a conventional vehicle key.

ⓘ Information on setting up a user account and activating the "Digital Vehicle Key" service can be obtained at https://www.mercedes.me.

**THE DIGITAL VEHICLE KEY CAN THEN BE USED FOR THE FOLLOWING FUNCTIONS:**

- Locking/unlocking the vehicle with KEYLESS-GO (⟶ page 191)
- HANDS-FREE ACCESS function (⟶ page 200)
- Convenience closing (closing the vehicle from outside) (⟶ page 206)
- Anti-theft protection (⟶ page 215)
- Starting (⟶ page 310) or switching off (⟶ page 377) the vehicle
- Locking and unlocking the vehicle with the NFC function (emergency unlocking) (⟶ page 188)
- Starting the vehicle in emergency operation mode (⟶ page 312)

**PLEASE NOTE THAT THE FOLLOWING ACCESSORIES, FOR EXAMPLE, MAY IMPAIR FUNCTIONING OF THE DIGITAL VEHICLE KEY:**

- accessories that are used to encase the smartphone, e.g.a protective cover
- a wireless power bank

**SETTING UP AND MANAGING THE DIGITAL VEHICLE KEY:**

- Setting up the Digital Vehicle Key (⟶ page 184)
- Managing the Digital Vehicle Key (⟶ page 186)
- Removing the Digital Vehicle Key (⟶ page 187)
- Unlocking and locking the vehicle with the Digital Vehicle Key (⟶ page 188)
- Changing the unlocking settings for the Digital Vehicle Key (⟶ page 188)
- Troubleshooting problems with the Digital Vehicle Key (⟶ page 189)

## Setting up the Digital Vehicle Key

**Requirements:**

- A Mercedes me user account has been set up: https://www.mercedes.me
- A compatible end device with the latest operating system version.
- The Mercedes-Benz app is installed on the end device (optional).
- A Wallet app is installed on the end device.

- You have received an email from Digital Extras.
  If you have selected the "Digital Vehicle Key" equipment, you will receive an email with information on how to set up the Digital Vehicle Key.
- Bluetooth® is activated on the end device.
- The end device is sufficiently charged.

**YOU HAVE THE FOLLOWING OPTIONS FOR SETTING UP AN END DEVICE AS A DIGITAL VEHICLE KEY:**

- using the Mercedes-Benz app
- via email
- via MBUX multimedia system

ⓘ The power supply must be switched on to set up the end device. A key belonging to the vehicle must be detected within the vehicle.

**SETUP USING THE MERCEDES-BENZ APP**

► Open the Mercedes-Benz app.

► Select the "Digital Vehicle Key" menu.

► Follow the steps in the Mercedes-Benz app.

**When the message "Add key and pair with vehicle" appears:**

► Place the end device in the marked space (⟶ page 312).

► Follow the steps on the end device.
Your Digital Vehicle Key is now stored in your end device's Wallet app.

**SETUP VIA EMAIL**

► Open the email from Digital Extras.

► Follow the displayed steps as described in the email.
Your Digital Vehicle Key is now stored in your end device's Wallet app.

or

► Open the link in the email with the end device you want to use as a Digital Vehicle Key.

► Follow the steps on the end device.
**When the message "Add key and pair with vehicle" appears:**

► Place the end device in the marked space (⟶ page 312).

► Follow the steps on the end device.
Your Digital Vehicle Key is now stored in your end device's Wallet app.

or

► Set up the end device in the vehicle.

► Place the end device in the marked space (⟶ page 312).
"Mercedes-Benz Digital Vehicle Key" is displayed on the end device.

► Press "Enter code".
The display for entering the code appears.

► Enter the 8-digit code provided in the email.
**When the message "Add key and pair with vehicle" appears:**

► Follow the steps on the end device.
Your Digital Vehicle Key is now stored in your end device's Wallet app.

**SETUP VIA MBUX MULTIMEDIA SYSTEM**

- ► Select the menus Settings, Vehicle, Open/Close in the multimedia system.
- ► Select the menu Digital Vehicle Key .
- ► Follow the steps in the multimedia system.
  Your Digital Vehicle Key is now stored in your end device's Wallet app.

ⓘ You can now use the Digital Vehicle Key in the same way as the conventional vehicle key (⟶ page 188).

ⓘ Setting up and managing the Digital Vehicle Key:
- Function (⟶ page 184)
- Management (⟶ page 186)
- Removal (⟶ page 187)
- Changing the unlocking settings for the Digital Vehicle Key (⟶ page 188)

## Managing the Digital Vehicle Key

**Requirements:**

- A compatible end device is activated as a Digital Vehicle Key.
- Bluetooth® is activated on the end device (with the Digital Vehicle Key activated).
- The end device is sufficiently charged.

**YOU HAVE THE FOLLOWING OPTIONS FOR MANAGING A DIGITAL VEHICLE KEY:**

- Switch Express mode (comfort mode) off or on
  Availability of this function is dependent upon the respective end device.
- Setting up other devices of family members or friends as Digital Vehicle Keys

**SWITCHING EXPRESS MODE OFF OR ON**

- ► Open the Wallet app on the end device.
- ► Switch Express mode off or on.

ⓘ Express mode is switched on by default. This setting provides the best possible option for using the Digital Vehicle Key.
**If the express mode is switched off and the rechargeable battery of the end device is at very low capacity, you can no longer unlock the vehicle via the NFC function.**
Only switch off the express mode if you do not want to use the Digital Vehicle Key function.

**SETTING UP ADDITIONAL END DEVICES AS DIGITAL VEHICLE KEYS**

- ► Open the Wallet app on the end device.
- ► Select the "Share" symbol.
- ► Follow the steps on the end device.

ⓘ Mercedes-Benz recommends that the shared key be activated immediately after sharing by using it on the vehicle.

# Removing the Digital Vehicle Key

**Requirements:**

- A compatible end device is activated as a Digital Vehicle Key.
- Bluetooth® is activated on the end device (with the Digital Vehicle Key activated).
- The end device is sufficiently charged.

**YOU HAVE THE FOLLOWING OPTIONS FOR REMOVING A DIGITAL VEHICLE KEY:**

- via the Wallet app
- using the Mercedes-Benz user account
- via MBUX multimedia system

ⓘ You can remove individual users or your own Digital Vehicle Key from the end device.

**REMOVAL VIA THE WALLET APP**

► Open the Wallet app on the end device.

The following steps are provided as an example, and may differ from those on the respective Wallet app being used.

► Select the detail view for the Digital Vehicle Key.

► Tap on the Digital Vehicle Key which is to be removed.

► Select Delete or remove key.
The selected Digital Vehicle Key is removed and can no longer be used.

**REMOVAL USING THE MERCEDES-BENZ USER ACCOUNT**

**THE FOLLOWING OPTIONS ARE AVAILABLE:**

- Remove the paired vehicle
- Decline the terms of use and consents
- Delete the user account

► Log in to your Mercedes-Benz user account.

► Select one of the above options.
The selected Digital Vehicle Key is removed and can no longer be used.

**REMOVAL VIA MBUX MULTIMEDIA SYSTEM**

**THE FOLLOWING OPTIONS ARE AVAILABLE:**

- Disconnect all Digital Vehicle Keys
- Change the Digital Vehicle Key of the main owner
- Disconnect the owner's Digital Vehicle Key
- Remove a Digital Vehicle Key

► Select the menus Settings, Vehicle, Open/Close in the multimedia system.

► Select the menu Digital Vehicle Key .

► Select one of the above options.

► Follow the steps in the multimedia system.
The selected Digital Vehicle Key is removed and can no longer be used.

ⓘ Further information on the Digital Vehicle Key:
- Function (⟶ page 184)
- Setting up (⟶ page 184)

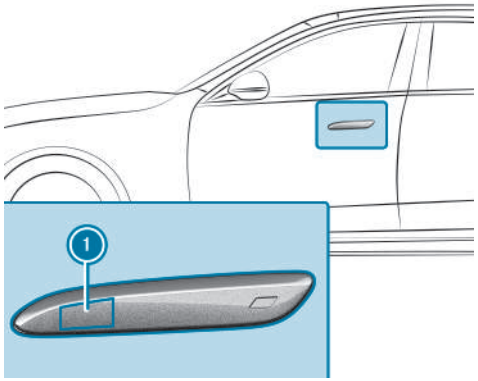
- Management(⟶ page 186)
- Changing the unlocking settings for the Digital Vehicle Key (⟶ page 188)

# Unlocking and locking the vehicle with the Digital Vehicle Key

**Requirements:**

- The "Digital Vehicle Key" service is activated through Mercedes-Benz: https://www.mercedes-benz.de
- Bluetooth® is activated on the end device (with the Digital Vehicle Key activated).
- The end device is sufficiently charged.

If the vehicle battery is at low capacity, the vehicle can be locked and unlocked with the NFC function (emergency unlocking).




► **To lock and unlock the vehicle with the NFC function:** hold the Digital Vehicle Key steady against the door handle in close proximity to the NFC antenna ① for up to ten seconds, from a distance of no more than 0.4 in (1 cm).

ⓘ If the Bluetooth® connection is faulty, or if the vehicle battery is at low capacity, the vehicle can also be started with the NFC function (⟶ page 312).
Depending on the respective end device, you can also continue to use the KEYLESS-GO function for a certain amount of time, even if the rechargeable battery in the Digital Vehicle Key is at very low capacity.

ⓘ Mercedes-Benz recommends carrying the key with you as a security measure against functional restrictions (⟶ page 180).

ⓘ Mercedes-Benz recommends placing the Digital Vehicle Key in the marked space while driving (⟶ page 312).

You can watch an animation on this topic via the following link:

# Changing the unlocking settings for the Digital Vehicle Key

Multimedia system:

Settings » Vehicle » Open/Close

**SETTING SELECTIVE OR GLOBAL UNLOCKING**

► Activate Unlock Driver's Door Only.

Selective unlocking is activated. If this function is deactivated, the Owner Key unlocks the entire vehicle.

ⓘ Additional information regarding locking and unlocking with the Digital Vehicle Key (⟶ page 188).

# Troubleshooting problems with the Digital Vehicle Key

**GENERAL RECOMMENDATIONS AND NOTES**

- ► Ensure that the most up-to-date software version is installed on the Digital Vehicle Key at all times.

  Software updates ensure optimum, state-of-the-art functioning of the system.
- ► Wearing a smartwatch on your wrist will guarantee the best results.
- ► Please note that some end devices must be disabled in order for the Digital Vehicle Key to function properly.

**YOU CAN NO LONGER LOCK AND UNLOCK THE VEHICLE WITH THE DIGITAL VEHICLE KEY.**

**POSSIBLE CAUSES:**

- Bluetooth® is deactivated on the Digital Vehicle Key.
- The rechargeable battery for the Digital Vehicle Key is at low capacity or is flat.

- ► Activate Bluetooth® on the Digital Vehicle Key.
- ► Check the state of charge for the Digital Vehicle Key's rechargeable battery.
- ► If necessary, charge the rechargeable battery of the Digital Vehicle Key.
- ► Using the NFC function of the Digital Vehicle Key for locking or unlocking the vehicle (emergency unlocking) (⟶ page 188).
- ► Use the vehicle key.
- ► Use the emergency key to lock or unlock (⟶ page 194).
- ► Have the vehicle and the Digital Vehicle Key checked at a qualified specialist workshop.

**INTERFERENCE FROM A POWERFUL RADIO SIGNAL SOURCE**

**POTENTIAL CAUSES THAT MAY LEAD TO IMPAIRMENT:**

- high-voltage power lines
- mobile phones
- electronic devices (notebooks, tablets)
- shielding due to metallic objects or induction loops for electrical gate systems or automatic barriers
- charging stations

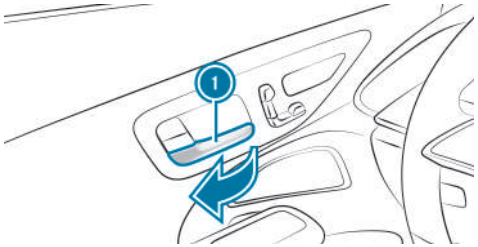
- ► Ensure sufficient distance between the Digital Vehicle Key and a potential source of interference.

**YOU HAVE LOST A DIGITAL VEHICLE KEY**

- ► Remove the Digital Vehicle Key from the user account (⟶ page 187).

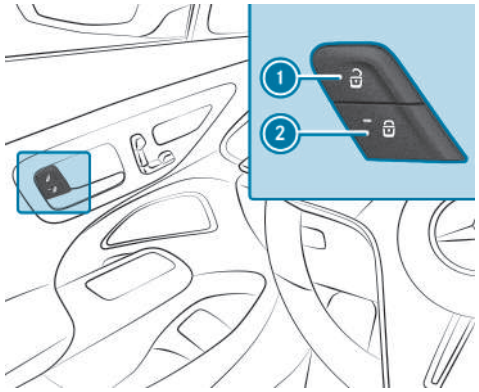
# Doors

## Unlocking and opening the doors from the inside




- **To unlock and open a front door:** pull the door handle (1).
- **To unlock a rear door:** pull the rear door handle.
- **To open a rear door:** pull the rear door handle again.

## Centrally locking and unlocking the vehicle from the inside




- **To unlock:** press the button (1).
- **To lock:** press the button (2).
  The red indicator lamp on the button (2) lights up when the vehicle is locked.

ⓘ The buttons are also located on the front passenger door and rear doors.

This does not lock or unlock the fuel filler flap.

**Plug-in hybrid:** the socket flap is also locked and unlocked. The socket flap can be opened even if a key is detected in the vehicle.

**THE VEHICLE IS NOT UNLOCKED WHEN THE BUTTON (1) IS PRESSED:**

- If you have locked the vehicle using the key
- If you have locked the vehicle using KEYLESS-GO
- After locking with the NFC function (**vehicles with Digital Vehicle Key:**)

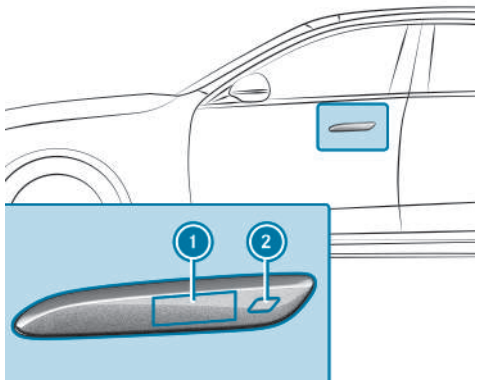
## Extending/retracting recessed door handles

**THE DOOR HANDLES EXTEND AUTOMATICALLY:**

- when you unlock the vehicle with the key
- when you touch one of the two outer sensor surfaces on the door handle (when the vehicle is unlocked)

**THE DOOR HANDLES RETRACT AUTOMATICALLY:**

- when you lock the vehicle with the key
- when pulling away
- after a short delay




- **To extend the door handle:** Touch the outer sensor surface (1) or (2).
- **If the vehicle has been locked automatically and another person wants to get in:** To unlock the vehicle, press the button on the driver's door (⟶ page 190).

  The door handles extend.

## Locking/unlocking the vehicle with KEYLESS-GO

**Requirements:**

- The key is outside the vehicle.
- The distance between the key and the vehicle does not exceed 3 ft (1 m).
- The driver's door and the door on which the door handle is actuated are closed.

ⓘ **Vehicles with Digital Vehicle Key:** you can use the Digital Vehicle Key in the same way as the conventional vehicle key.

**THE DOOR HANDLES EXTEND AUTOMATICALLY:**

- when a vehicle key is detected (the vehicle is not yet unlocked at this point)
- when you unlock the vehicle with the key
- when you touch one of the two outer sensor surfaces on the door handle to unlock it

**THE DOOR HANDLES RETRACT AUTOMATICALLY:**

- when you lock the vehicle with the key
- when you touch one of the two outer sensor surfaces on the door handle to lock it
- after convenience closing (⟶ page 206)
- when pulling away
- after a short delay

**NOTE**
Damage to the vehicle caused by unintentionally opening the trunk lid or a door

- When using an automatic car wash
- When using a high pressure cleaner

► Deactivate the function of the SmartKey in these situations.

or

► Make sure that the SmartKey is at a minimum distance of 10 ft (3 m) (power washer) or 20 ft (6 m) (automatic car wash) away from the vehicle.

**Vehicles with Digital Vehicle Key:**

**NOTE**
Vehicle damage due to unintentional opening of the trunk lid or one of the doors

- when using a car wash
- when using a power washer

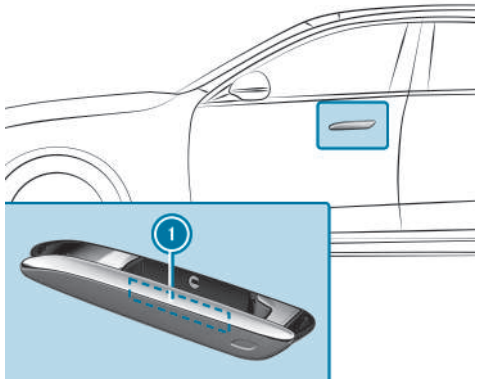
► In these situations, switch off the Digital Vehicle Key.

or

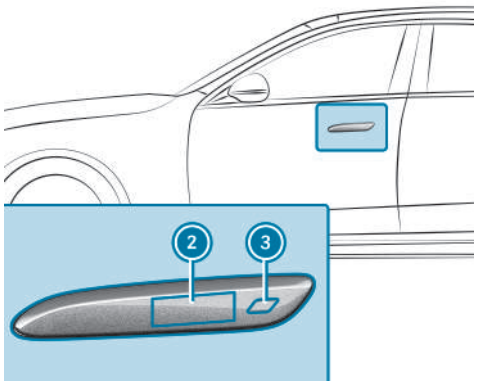
► Ensure that the Digital Vehicle Key is at least 10 ft (3 m) (power washer) or 20 ft (6 m) (car wash) away from the vehicle.

**OBSERVE THE INFORMATION:**

- on washing the vehicle in a car wash (⟶ page 40)
- on using a power washer (⟶ page 673)



- **To unlock the vehicle:** with the door handle extended, touch the inside surface of the door handle (1).




- **If the vehicle is unlocked:** touch sensor surface (2) or (3) to extend the door handle.
- **If the vehicle is locked:** touch sensor surface (2) or (3) to unlock with the door handle retracted.
- **To lock the vehicle:** touch the recessed sensor surface (3).
- **Convenience closing:** touch the recessed sensor surface (3) for a prolonged period.

ⓘ Additional information on convenience closing (⟶ page 206).

You can watch an animation on this topic via the following link:

## Troubleshooting problems with KEYLESS-GO

**THE VEHICLE CAN NO LONGER BE LOCKED OR UNLOCKED WITH KEYLESS-GO**

**POSSIBLE CAUSES:**

- The key's function has been deactivated.
  This also applies to the Digital Vehicle Key.
- The key battery is at low capacity or is flat.
  **Vehicles with Digital Vehicle Key:** depending on the respective end device, you can continue to use the KEYLESS-GO function for a certain amount of time even when the Digital Vehicle Key's rechargeable battery charge level is extremely low.

- Activate the function of the key (⟶ page 73).
- Check the battery via the indicator lamp (⟶ page 178).
- Replace the key battery as necessary (⟶ page 181).
- Use the replacement key.
- Use the emergency key to lock or unlock the vehicle (⟶ page 194).
- Have the vehicle and key checked at a qualified specialist workshop.

**INTERFERENCE FROM A POWERFUL RADIO SIGNAL SOURCE**

**POSSIBLE CAUSES IF THE FUNCTION OF KEYLESS-GO IS IMPAIRED:**

- high-voltage power lines
- mobile phones
- electronic devices (notebooks, tablets)

- shielding due to metallic objects or induction loops for electrical gate systems or automatic barriers
- charging stations

► Ensure sufficient distance between the key and potential sources of interference.

## Activating or deactivating the automatic locking feature

Multimedia system:

→ ⌂ » Settings » Vehicle » Open/Close

ⓘ The vehicle is locked automatically when the vehicle is switched on and the wheels are turning faster than walking pace.

► Activate or deactivate Automatic Door Lock.

**IN THE FOLLOWING SITUATIONS THERE IS A RISK OF BEING LOCKED OUT WHEN THE FUNCTION IS ACTIVATED:**

- The vehicle is being towed or tow started.
- The vehicle is being tested on a roller dynamometer.

## Power closing function

⚠ **WARNING**
Risk of becoming trapped when the doors close automatically

Body parts or objects can become trapped, causing injuries.

► Ensure that no body parts or objects are in the closing area.

► Automatic closing of the doors can be canceled by pulling the outer or inner door handle.

If you push the door into the lock to the first detent position, the power closing function will automatically pull the door into the lock.

ⓘ If the vehicle is locked from the outside, or while pulling away, an automatic closing of the doors can be triggered.

## Locking/unlocking the vehicle with the emergency key

**UNLOCKING THE DRIVER'S DOOR WITH THE EMERGENCY KEY**

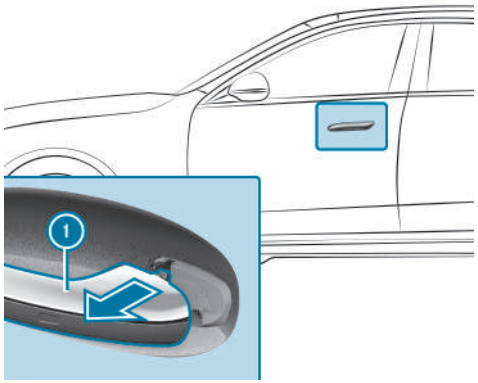
ⓘ If you unlock and open the driver's door with the emergency key, the anti-theft alarm system will be triggered.

ⓘ If you unlock the driver's door with the emergency key, the trunk lid will not be unlocked.

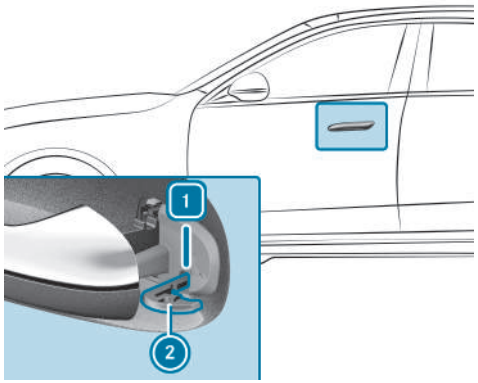
Information on starting the vehicle in emergency operation mode (⟶ page 312).

**Vehicles without KEYLESS-GO**

- Remove the emergency key (⟶ page 180).



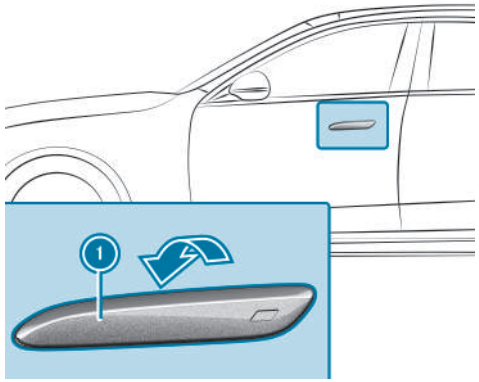

- Pull out the door handle (1) slightly and hold it in position.




- Insert the emergency key (2) into the lock cylinder as shown.
- Turn the emergency key (2) counter-clockwise to position [1].
- Turn the emergency key (2) back to its starting position.
- Remove the emergency key (2) and release the door handle (1).

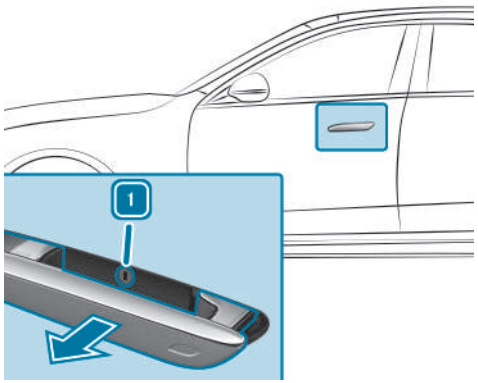
**Vehicles with KEYLESS-GO**

- Remove the emergency key (⟶ page 180).




If the door handle is retracted:

- Insert a flat, non-metallic object behind the retracted door handle (1) from above and pry it slightly outward.
- Reach behind the door handle (1) from below, pull it outward to the pressure point and hold it in position.

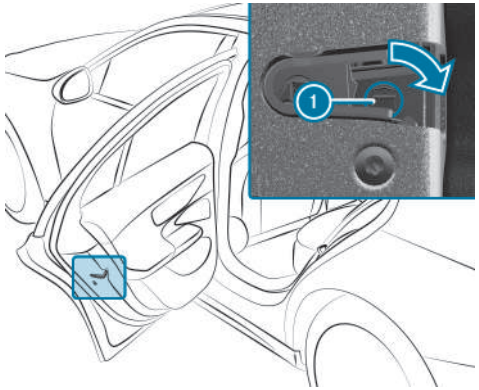



If the door handle is extended:

- Pull the door handle (1) outward to the pressure point and hold it in position.
- Insert the emergency key into the lock cylinder.
- Turn the emergency key counter-clockwise to position [1].
- Forcefully pull the door handle (1) outward past the pressure point.
- Turn the emergency key back to its starting position.
- Remove the emergency key and release the door handle.

You can watch an animation on this topic via the following link:

## LOCKING THE DOORS




- Insert a suitable object, e.g.the emergency key, into the opening (1) on the door lock.
- **To lock the left-hand side of the vehicle:** turn the emergency key clockwise as far as it will go.
- **To lock the right-hand side of the vehicle:** turn the emergency key counter-clockwise as far as it will go.

If the locked door is then closed, it can no longer be opened from the outside.

# Trunk

## Opening the trunk lid

**DANGER**
Risk of fatal injury from toxic exhaust gases when the trunk lid is open

Combustion engines emit toxic exhaust gases such as carbon monoxide. Inhaling these exhaust gases is hazardous to health and leads to poisoning. Exhaust gases can enter the vehicle interior if the trunk lid is open when the engine is running, especially if the vehicle is in motion.

- Always switch off the engine before opening the trunk lid.
- Never drive with the trunk lid open.

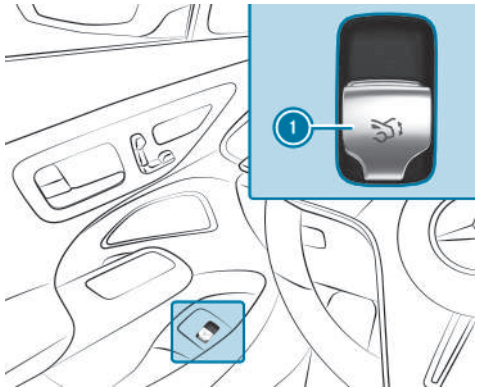
**NOTE**
Damage to the trunk lid by obstacles above the vehicle

The trunk lid swings upwards when it is opened.

- Therefore, make sure that there is sufficient clearance above the trunk lid.

- Pull the trunk lid handle.
- **Vehicles with HANDS-FREE ACCESS:** perform a kicking motion underneath the bumper (⟶ page 200).

**VEHICLES WITH TRUNK LID CONVENIENCE CLOSING**




- Pull the remote operating switch (1) until the trunk lid opens.

or

- Press and hold the button on the key.
- If the trunk lid is stopped in an intermediate position, pull it upwards. Release it as soon as it begins to open.
- With the trunk lid opening height restriction activated, manually pull the stopped trunk lid upwards.

If an obstacle obstructs the trunk lid during the automatic opening process, blockage detection will stop the trunk lid. The automatic blockage detection function serves solely as an aid and is not a substitute for your attentiveness.

# Closing the trunk lid

**WARNING**
Risk of injury from unsecured items in the vehicle

If objects, luggage or loads are not secured or not secured sufficiently, they could slip, tip over or be thrown around and thereby hit vehicle occupants.

There is a risk of injury, particularly in the event of sudden braking or a sudden change in direction.

- ► Always stow objects in such a way that they cannot be thrown around.
- ► Before the journey, secure objects, luggage or loads against slipping or tipping over.

Observe the information on loading the vehicle.
**Notes on closing the trunk lid:** your vehicle is equipped with automatic SmartKey recognition.

**NOTE THAT THE TRUNK LID WILL NOT BE LOCKED AND WILL POP BACK OPEN IF THE FOLLOWING SITUATION OCCURS:**

- You have locked the vehicle and closed the trunk lid while a key belonging to the vehicle is inside the vehicle and is detected.

  and
- A second key belonging to the vehicle is not detected outside the vehicle.

Automatic SmartKey recognition serves solely as an aid and is not a substitute for your attentiveness.

- ► Before locking, ensure that at least one key belonging to the vehicle is outside the vehicle.

  This also applies to the Digital Vehicle Key.
- ► **To close the trunk lid:** pull the trunk lid downwards using the handle recess and push it closed.

**Vehicles with trunk lid convenience closing:** if you lightly push the trunk lid closed, the power closing function will automatically pull the trunk lid into the lock.

**VEHICLES WITH TRUNK LID CONVENIENCE CLOSING**

**WARNING**
Risk of becoming trapped during automatic closing of the trunk lid

Parts of the body could become trapped. There may be people in the closing area.

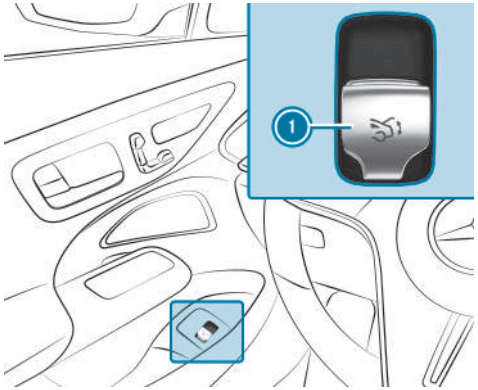
- ► Make sure that nobody is in the vicinity of the closing area.
- ► Use one of the following options to stop the closing process:
  - Press the button on the SmartKey.
  - Press or pull the remote operating switch on the driver's door.
  - Press the closing or locking button on the trunk lid.
  - Pull the trunk lid handle.

**Vehicles with HANDS-FREE ACCESS:** it is also possible to stop the closing process by performing a kicking motion below the rear bumper.

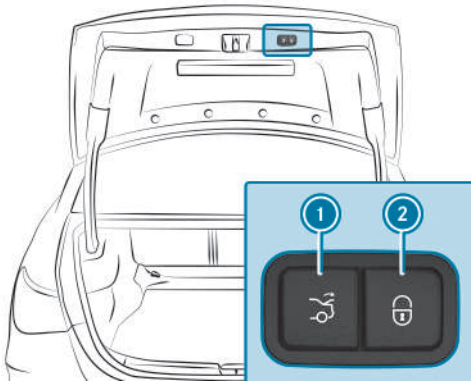
- ► Pull the trunk lid handle. Release it as soon as it begins to close.

- If the trunk lid is stopped in an intermediate position, push it downwards.

  The trunk lid will continue to close.




- Push the remote operating switch (1) until the trunk lid is fully closed.




- Press the closing button (1) on the trunk lid.

**VEHICLES WITH KEYLESS-GO**

- Press the locking button (2) on the trunk lid.

  If a key is detected outside the vehicle, the trunk lid will close and the vehicle will be locked.

ⓘ **Vehicles with Digital Vehicle Key:** this also applies to the Digital Vehicle Key if the function is activated and the Digital Vehicle Key is paired with the vehicle.

- With the trunk lid completely open, press and hold the button on the key. The key must be in the vicinity of the vehicle.

**VEHICLES WITH HANDS-FREE ACCESS**

- With the trunk lid completely open, perform a kicking motion with your foot below the bumper (⟶ page 200).

**TRUNK LID AUTOMATIC REVERSING FUNCTION**

The trunk lid is equipped with automatic blockage detection with a reversing function. If an obstacle obstructs the trunk lid during the automatic closing process, it will automatically open again. The automatic reversing function serves solely as an aid and is not a substitute for your attentiveness.

- During the closing process, ensure that no body parts remain within the closing area.

**WARNING**
Risk of becoming trapped despite reversing function

**THE REVERSING FUNCTION WILL NOT REACT:**

- to soft, light and thin objects, e.g. fingers
- towards the end of the closing procedure

In these situations in particular, the reversing function cannot prevent someone being trapped.

► Ensure that no body parts are in the closing area.

► If someone is trapped, use one of the following options:
  - Press the button on the SmartKey.
  - Press the remote operating switch on the driver's door.
  - Press the closing or locking button on the trunk lid.
  - Pull the trunk lid handle.

## HANDS-FREE ACCESS function

HANDS-FREE ACCESS allows you to open and close the trunk lid, or even stop the opening and closing process at any point, by performing a kicking motion under the bumper. The transmission must be in position P for this function.

**THE KICKING MOTION TRIGGERS THE OPENING OR CLOSING PROCESS ALTERNATELY.**

- If you stop the trunk lid opening process with a kicking motion, the trunk lid is closed with the next kicking motion.
- If you stop the trunk lid closing process with a kicking motion, the trunk lid is opened with the next kicking motion.

**IN THE FOLLOWING CASES, THE TRUNK LID CAN ONLY BE CLOSED WITH HANDS-FREE ACCESS:**

- If the vehicle is switched on and the key's unlocking function is set to unlock the driver's door only when unlocking the vehicle (→ page 179).
- If the vehicle has been centrally locked from the inside (→ page 190).

Observe the notes when opening (→ page 197) and closing (→ page 198) the trunk lid.

A warning tone sounds while the trunk lid is opening or closing.

**WARNING**
Risk of burns caused by a hot exhaust system

The vehicle exhaust system can become very hot. If you use HANDS-FREE ACCESS, you could burn yourself by touching the exhaust system.

► Always ensure that you only make a kicking movement within the detection range of the sensors.

**NOTE**
Damage to the vehicle caused by unintentionally opening the trunk lid or a door

- When using an automatic car wash
- When using a high pressure cleaner

► Deactivate the function of the SmartKey in these situations.

or

► Make sure that the SmartKey is at a minimum distance of 10 ft (3 m) (power washer) or 20 ft (6 m) (automatic car wash) away from the vehicle.

**Vehicles with Digital Vehicle Key:**

**NOTE**
Vehicle damage due to unintentional opening of the trunk lid or one of the doors

- when using a car wash
- when using a power washer

► In these situations, switch off the Digital Vehicle Key.

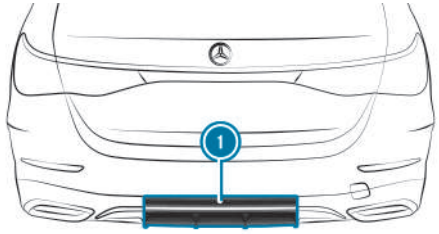
or

► Ensure that the Digital Vehicle Key is at least 10 ft (3 m) (power washer) or 20 ft (6 m) (car wash) away from the vehicle.

Ensure that you are standing firmly on the ground when performing the kicking motion. Otherwise you could lose your balance, e.g.in icy conditions.

**OBSERVE THE FOLLOWING NOTES:**

- The key is behind the vehicle.
  If the key is not recognized:
  - Take the key in your hand.
    or
  - Ensure that the function of the key is activated (⟶ page 73).
- **Vehicles with Digital Vehicle Key:** the Digital Vehicle Key is behind the vehicle.
- Stand at least 12 in (30 cm) away from the vehicle when performing the kicking motion.
- Do not come into contact with the bumper when performing the kicking motion.
- Do not carry out the kicking motion too slowly.
- The kicking motion must be towards the vehicle and back again.




1 Detection range of the sensors

If several consecutive kicking motions are not successful, wait ten seconds.

**SYSTEM LIMITS**

**THE SYSTEM MAY BE IMPAIRED OR INOPERATIVE IN THE FOLLOWING CASES:**

- The sensors are dirty, e.g.due to road salt or snow.

- The kicking motion is performed with a prosthetic leg.

**THE TRUNK LID COULD BE OPENED OR CLOSED UNINTENTIONALLY IN THE FOLLOWING SITUATIONS:**

- A person's arms or legs are moving within the sensor detection range, e.g.when polishing the vehicle or picking up objects.
- Objects are moved or placed behind the vehicle, e.g.the hose of a fuel dispenser, a charging cable or luggage.
- Tension belts, tarps or other covers are pulled over the bumper.
- A protective mat with a length reaching over the loading sill down into the detection range of the sensors is used.
- The protective mat is not secured correctly.

Deactivate the function of the key (⟶ page 73) or do not carry the key about your person in such situations.

You can watch an animation on this topic via the following link:

## Switching separate trunk locking on and off

Multimedia system:

Settings » Vehicle » Open/Close

**SWITCHING SEPARATE TRUNK LOCKING ON**

- ► Select Block Trunk Access.
- ► Create a PIN.
- ► Confirm the PIN with OK.
- ► Enter the PIN again and confirm it.

  The trunk will remain locked if you unlock the vehicle centrally.

ⓘ If an accident has been detected, the trunk will unlock even if separate locking is switched on.

**SWITCHING SEPARATE TRUNK LOCKING OFF**

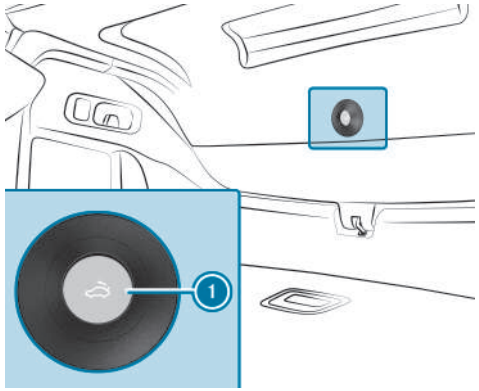
- ► Select Block Trunk Access.
- ► Enter the PIN.

  If the PIN is correct, separate trunk locking will be switched off and the PIN deleted.

## Unlocking and opening the trunk from inside with the emergency release

**Requirements:**

- The 12 V vehicle battery is connected and charged.



- Press the emergency release button (1) briefly.

# Activating/deactivating the trunk lid opening height restriction

Multimedia system:

Settings >> Vehicle >> Open/Close

- Activate or deactivate Opening Height Limiter.

This function prevents the trunk lid from hitting a low garage ceiling, for example.

# Side windows

## Opens and closes the side windows

**WARNING**
Risk of entrapment when opening a side window

When opening a side window, parts of the body could be drawn in or become trapped between the side window and window frame.

- When opening, make sure that nobody is touching the side window.
- If someone is trapped, release the button immediately or pull it in order to close the side window again.

**WARNING**
Risk of becoming trapped when closing a side window

When closing a side window, body parts could be trapped in the closing area in the process.

- When closing, make sure that no body parts are in the closing area.
- If someone is trapped, release the button immediately or press the button in order to reopen the side window.

**WARNING**
Risk of becoming trapped when children operate the side window

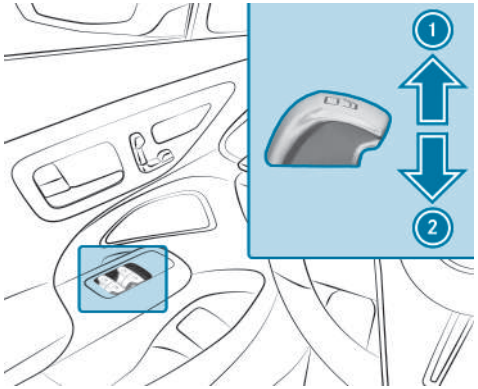
Children could become trapped if they operate the side windows, particularly when unattended.

- Activate the child safety lock for the side windows in the rear passenger compartment.
- When exiting the vehicle, always lock the vehicle and take the key with you.
- Never leave children unattended in the vehicle.

This also applies to the Digital Vehicle Key.

**Requirements:**

- The power supply or the vehicle has been switched on.




1 Closing
2 Opening

The buttons on the driver's door take precedence.

- **To start automatic operation:** press the button beyond the point of resistance or pull and release it.
- **To interrupt automatic operation:** press or pull the button again.

You can continue to operate the side windows with the vehicle switched off.

This function will be available for around four minutes or until a front door is opened.

**AUTOMATIC BACKING UP FUNCTION OF THE SIDE WINDOWS**
If an obstacle impedes a side window during the closing process, the side window will open again automatically. The automatic backing up function serves solely as an aid and is not a substitute for your attentiveness.

- During the closing process, ensure that no body parts remain within the closing area.

**WARNING**
Risk of becoming trapped despite there being reversing protection on the side window

**THE REVERSING FUNCTION DOES NOT REACT:**

- To soft, light and thin objects, e.g. fingers.
- During resetting.

The reversing function cannot prevent someone from becoming trapped in these situations.

- During the closing process, make sure that no body parts are in the closing area.
- If someone becomes trapped, press the button to open the side window again.

# Convenience opening (ventilating the vehicle before starting a journey)

**WARNING**
Risk of entrapment when opening a side window

When opening a side window, parts of the body could be drawn in or become trapped between the side window and window frame.

- When opening, make sure that nobody is touching the side window.
- Release the button immediately if somebody becomes trapped.

**Requirements:**

- The key is in immediate proximity to the vehicle.

- Press and hold the button on the key.
  **THE FOLLOWING FUNCTIONS ARE PERFORMED:**
  - The vehicle is unlocked.
  - The side windows open.
  - The panoramic sliding sunroof opens.
  - The driver's seat ventilation is switched on.

If the roller sunblind of the panoramic sliding sunroof is closed, the roller sunblind is opened first.

- **Interrupt convenience opening:** Release the button.
- **Continue convenience opening:** Press and hold the button again.

# Convenience closing (closing the vehicle from outside)

**WARNING**
Risk of entrapment due to not paying attention during convenience closing

When the convenience closing feature is operating, parts of the body could become trapped in the closing area of the side window and the sliding sunroof.

- When the convenience closing feature is operating, monitor the entire closing process and make sure that no body parts are in the closing area.

**Requirements:**

- The key is in immediate proximity to the vehicle.

- Press and hold the button on the key.
  **THE FOLLOWING FUNCTIONS ARE PERFORMED:**
  - The vehicle is locked.
  - The side windows are closed.
  - The panoramic sliding sunroof is closed.
- **To interrupt convenience closing:** release the button.

- **To continue convenience closing:** press and hold the button again.

Convenience closing also functions with KEYLESS-GO (→ page 191).

## Rectifying problems with the side windows

**WARNING**
Risk of becoming trapped or fatally injured if reversing protection is not activated

If you close a side window again immediately after it has been blocked, the side window will close with increased or maximum force. The reversing function is then not active and body parts may become trapped.

- Make sure that no parts of the body are in the closing area.
- To stop the closing process, release the button or press the button again to reopen the side window.

**A SIDE WINDOW CANNOT BE CLOSED AND THE REASON IS NOT IMMEDIATELY EVIDENT TO YOU**

- Check to ensure that no impeding items are in the window guide.
- Adjust the side windows.

### Adjusting the side windows

If a side window is obstructed during closing and reopens again immediately:

- Immediately pull and hold the corresponding button again until the side window closes, then hold the button for at least one second longer (readjustment).
  The side window will be closed without the automatic reversing function.

If the side window is obstructed again and reopens again immediately:

- Immediately pull and hold the corresponding button again until the side window closes, then hold the button for at least one second longer (readjustment).
  The side window will be closed without the automatic reversing function.
- If a side window is obstructed again during closing and reopens again slightly, consult a qualified specialist workshop.

**THE SIDE WINDOWS CANNOT BE OPENED OR CLOSED WITH CONVENIENCE OPENING**

**POSSIBLE CAUSES:**

- The key is not in the immediate vicinity of the vehicle.
- The key battery is at low capacity or is flat.

- Check the battery via the indicator lamp (→ page 178).
- Replace the key battery as necessary (→ page 181).

# Sliding sunroof

## Opening and closing the sliding sunroof

ⓘ The term "sliding sunroof" refers to the panoramic sliding sunroof.

⚠ **WARNING**
Risk of becoming trapped when the sliding sunroof is being opened and closed

Body parts may become trapped in the range of movement.

- ► During the opening and closing process, make sure that no body parts are in the sweep of the sliding sunroof.
- ► If someone is trapped, release the control panel immediately.

or

- ► Touch the control panel during automatic operation.
  The opening/closing process will be stopped.

⚠ **WARNING**
Risk of children becoming trapped if they operate the sliding sunroof

Children could become trapped if they operate the sliding sunroof, particularly when unattended.

- ► Never leave children unattended in the vehicle.
- ► When leaving the vehicle, always lock the vehicle and take the key with you.

This also applies to the Digital Vehicle Key.

**WARNING**
Risk of becoming trapped when the roller sunblind is being opened and closed

Body parts may become trapped between the roller sunblind and frame or sliding roof.

- ► During the opening or closing process, make sure that no body parts are in the roller sunblind's range of movement.
- ► If someone is trapped, release the control panel immediately.

or

- ► Touch the control panel during automatic operation.

  The opening/closing process will be stopped.

**NOTE**
Malfunction due to snow and ice

Snow and ice may cause the sliding sunroof to malfunction.

- ► Open the sliding sunroof only if it is free of snow and ice.

**NOTE**
Damage caused by moisture ingress

- ► Do not open the sliding sunroof if it has just rained.
- ► Do not open the sliding sunroof immediately after washing the vehicle in a car wash.

**NOTE**
Damage caused by protruding objects

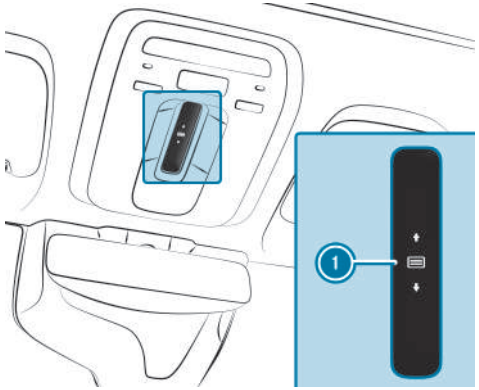
Objects that protrude from the sliding sunroof may damage the seals.

- ► Do not allow anything to protrude from the sliding sunroof.

**NOTE**
Damage to panorama roof with power tilt/sliding panel caused by roof luggage rack

If the panorama roof with power tilt/sliding panel is opened when a roof luggage rack is installed, the panorama roof with power tilt/sliding panel may be damaged by the roof luggage rack.

- ► Do not open the panorama roof with power tilt/sliding panel if a roof luggage rack is installed.




The sliding sunroof and the roller sunblind are operated using the control panel (1).

The panoramic sliding sunroof can only be operated when the roller sunblind is open.

- **To open:** swipe backwards across the control panel (1) and hold pressed.
- **To close:** swipe forwards across the control panel (1) and hold pressed.
- **To raise or lower:** press on the control panel (1) briefly.
- **To start automatic operation:** swipe forwards or backwards across the control panel (1).
- **To cancel automatic operation:** press on the control panel (1) again.
  The opening/closing process will be stopped.

**AUTOMATIC REVERSING FUNCTION OF THE SLIDING SUNROOF**
If an obstacle obstructs the sliding sunroof during the closing process, the sliding sunroof will open again automatically. The automatic reversing function serves solely as an aid and is not a substitute for your attentiveness.

- Keep the opening area and the guide rails free of debris (e.g.ice, snow or leaves).
- When closing the sliding sunroof, ensure that no body parts or objects are within the closing area.

**WARNING**
Risk of becoming trapped despite reversing function

**THE REVERSING FUNCTION WILL NOT REACT:**

- To soft, light and thin objects, e.g. fingers.
- Towards the end of the closing procedure.
- During resetting.

- During the closing process, make sure that no body parts are in the closing area.
- If someone is trapped, release the control panel immediately.

or

- Touch the control panel during automatic closing.
  The closing process will be stopped.

**AUTOMATIC REVERSING FUNCTION OF THE ROLLER SUNBLIND**
If an obstacle obstructs the roller sunblind during the closing process, the roller sunblind will open again automatically. The automatic reversing function serves solely as an aid and is not a substitute for your attentiveness.

- Keep the opening area and the guide rails free of debris (e.g.ice, snow or leaves).
- When closing the roller sunblind, ensure that no body parts or objects are within the range of movement.

**WARNING**
Risk of becoming trapped despite reversing function

In particular, the reversing function does not react to soft, light and thin objects, e.g. fingers.

- When closing the roller sunblind, make sure that no body parts are in the range of movement.
- If someone is trapped, release the control panel immediately.

or

- Touch the control panel during automatic closing.
  The closing process will be stopped.

## Automatic functions of the sliding sunroof

The term "sliding sunroof" refers to the panorama roof with power tilt/sliding panel.

**RAIN CLOSING FUNCTION WHEN DRIVING**
**Vehicles with a panorama roof with power tilt/sliding panel:** if it starts to rain, the raised sliding sunroof will automatically be lowered while the vehicle is in motion.

**AUTOMATIC LOWERING FUNCTION**
**Vehicles with a panorama roof with power tilt/sliding panel:** if the sliding sunroof is raised at the rear, it will automatically be lowered slightly at higher speeds. At low speeds, it will be raised again automatically.

**WARNING**
Risk of becoming trapped by automatic lowering of the sliding sunroof

At higher speeds, the raised sliding sunroof will automatically be lowered slightly at the rear.

- Make sure that nobody reaches into the sliding sunroof's range of movement while the vehicle is in motion.
- If someone becomes trapped, touch the control panel.

## Rectifying problems with the sliding sunroof

**WARNING**
Risk of becoming trapped or fatal injuries when the sliding sunroof is closed again

If you close the sliding sunroof again immediately after it has been blocked or reset, the sliding sunroof will close with increased or maximum force.

There is a risk of becoming trapped or even of fatal injuries!

- Make sure that no parts of the body are in the closing area.
- If someone is trapped, release the control panel immediately.

or

- Touch the control panel during automatic closing.
  The closing process will be stopped.

**THE SLIDING SUNROOF CANNOT BE CLOSED AND THE REASON IS NOT IMMEDIATELY EVIDENT**

ⓘ The term "sliding sunroof" refers to the panoramic sliding sunroof.

If the sliding sunroof is obstructed during closing and reopens again slightly:

- Immediately after automatic reversing, swipe forward across the control panel (⟶ page 208) and hold it until the sliding sunroof is closed.
  The sliding sunroof will be closed with increased force.

If the sliding sunroof is obstructed again and opens again slightly:

- Repeat the previous step.
  The sliding sunroof will be closed again with increased force.

**THE SLIDING SUNROOF OR THE ROLLER SUNBLIND IS NOT OPERATING SMOOTHLY DURING THE OPENING OR CLOSING PROCESS**

- Reset the sliding sunroof and the roller sunblind.

**Resetting the sliding sunroof and the roller sunblind**

- Swipe forwards across the control panel (⟶ page 208) and hold it repeatedly until the sliding sunroof is completely closed.
- Swipe across the control panel and hold it for another second.
- Swipe across and hold the control panel until the roller sunblind is completely closed.
- Swipe across the control panel and hold it for another second.
- Use automatic operation to fully open and then close the sliding sunroof.

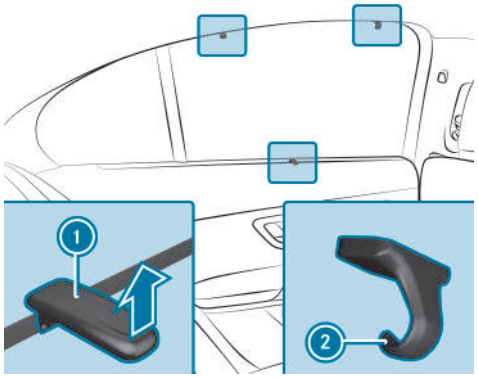
# Roller sun blinds

## Extending the rear side window roller sunblinds

**NOTE**
Damage to the inertia reel due to it snapping back

If suddenly snapped back, the inertia reel may be damaged.

- Always move the roller sun blind by hand.
- Do not drive with the roller sun blind hooked in and rear side windows opened at the same time.




- Pull the roller sunblind out by tab (1) and hook it onto brackets (2) at the top of the window.

## Extending or retracting the rear window roller sunblind

**WARNING**
Risk of becoming trapped when extending or retracting the roller sunblind

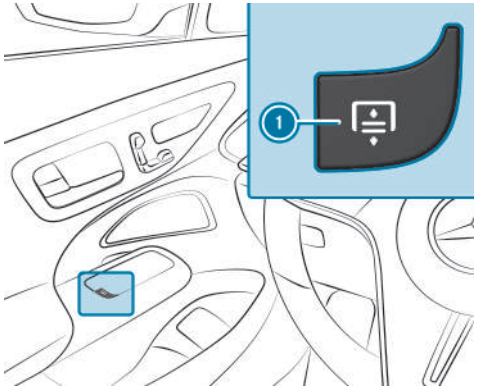
Body parts may become trapped in the roller sunblind's range of movement.

- Ensure there are no body parts in the range of movement.
- If someone becomes trapped, briefly press the button again.
  The opening or closing process will briefly be stopped. The roller sunblind will then return to its starting position.

**NOTE**
Damage caused by objects

Objects can cause the roller sunblind to malfunction.

- Do not place any objects on the rear shelf.
- Ensure that the roller sunblind can move freely.




► **To extend or retract:** press button (1).

# Anti-theft protection

## Function of the immobilizer

The immobilizer prevents your vehicle from being started without the correct key.

This also applies to the Digital Vehicle Key.

The immobilizer is automatically activated when the vehicle is switched off, and deactivated when the vehicle is switched on.

When leaving the vehicle, always take the key with you and lock the vehicle. Anyone can start the vehicle if a valid key has been left inside the vehicle.

ⓘ In the event that the engine cannot be started (although the vehicle's starter battery is charged), the immobilizer may be defective. Contact an authorized Mercedes-Benz Service Center or call 1-800-FOR-MERCedes (in the USA) or 1-800-387-0100 (in Canada).

## ATA (anti-theft alarm system)

**FUNCTION OF THE ABW SYSTEM**

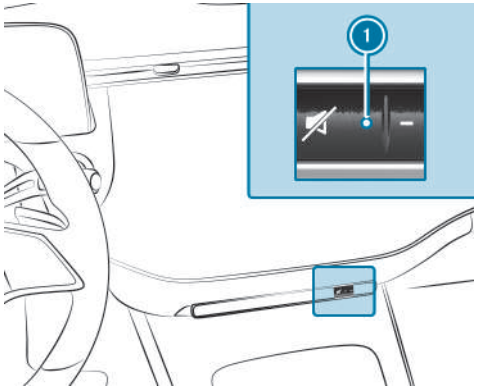
**IF THE ABW SYSTEM IS ACTIVATED, A VISUAL AND AUDIBLE ALARM IS ISSUED IN THE FOLLOWING SITUATIONS:**

- when a door is opened
- when the trunk lid is opened
- when the hood is opened
- when the interior protection is triggered (⟶ page 217)
- when tow-away protection is triggered (⟶ page 216)

ⓘ **Vehicles with Digital Vehicle Key:** The ABW system works with the Digital Vehicle Key in the same way as with the conventional vehicle key.

**THE ABW SYSTEM IS ACTIVATED AUTOMATICALLY AFTER APPROXIMATELY TEN SECONDS IN THE FOLLOWING SITUATIONS:**

- After locking the vehicle with the key
- After locking the vehicle using KEYLESS-GO
- After locking the vehicle with the NFC function (**vehicles with Digital Vehicle Key:**)




The indicator lamp (1) flashes when the ABW system is activated.

**THE ABW SYSTEM IS DEACTIVATED AUTOMATICALLY IN THE FOLLOWING SITUATIONS:**

- After unlocking the vehicle with the key
- After unlocking the vehicle using KEYLESS-GO
- After unlocking the vehicle with the NFC function (**vehicles with Digital Vehicle Key**)
- After pressing the start/stop button with the key in the marked space (⟶ page 312)

**DEACTIVATING THE ABW SYSTEM ALARM**

► Press the button , or on the key.

or

► Start the vehicle in emergency operation mode (⟶ page 312)

**DEACTIVATING THE ALARM USING KEYLESS-GO:**

► With the key outside the vehicle, touch the inner surface of the door handle.

The distance between key and vehicle here should not be greater than 3 ft (1 m).

This also applies to the Digital Vehicle Key.

## Function of the tow-away protection

ⓘ This function may not be available in all countries.

If a change in the vehicle's inclination is detected, a visual and audible alarm is issued. The tow-away protection must be switched on for this function.

**THE TOW-AWAY PROTECTION IS AUTOMATICALLY ARMED AFTER ABOUT 60 SECONDS:**

- After locking the vehicle with the key

  This also applies to the Digital Vehicle Key.
- After locking the vehicle using KEYLESS-GO

  This also applies to the Digital Vehicle Key.
- After locking the vehicle with the NFC function (**vehicles with Digital Vehicle Key**)

**THE TOW-AWAY PROTECTION IS ONLY ARMED WHEN THE FOLLOWING COMPONENTS ARE CLOSED:**

- Doors
- Trunk lid

**THE TOW-AWAY PROTECTION IS AUTOMATICALLY DEACTIVATED:**

- After pressing the button or on the key
- After starting the vehicle in emergency operation mode (⟶ page 312)
- After unlocking the vehicle using KEYLESS-GO
  This also applies to the Digital Vehicle Key.
- After unlocking the vehicle with the NFC function (**vehicles with Digital Vehicle Key**)
- When using HANDS-FREE ACCESS

Information on collision detection for a parked vehicle (⟶ page 388).

## Activating/deactivating tow-away protection

Multimedia system:

Settings Vehicle Open/Close Vehicle Protection

▶ Activate or deactivate Tow-away Protection.

**TOW-AWAY PROTECTION IS ENABLED AGAIN IN THE FOLLOWING CASES:**

- The vehicle is unlocked again.
- A door is opened.
- The vehicle is locked again.

## Function of the interior protection

ⓘ This function may not be available in all countries.

A visual and audible alarm is issued if motion is detected in the vehicle interior. Interior protection must be switched on for this function.

**INTERIOR PROTECTION IS ACTIVATED AUTOMATICALLY AFTER APPROXIMATELY TEN SECONDS:**

- After locking the vehicle with the key
  This also applies to the Digital Vehicle Key.
- After locking the vehicle using KEYLESS-GO
  This also applies to the Digital Vehicle Key.
- After locking the vehicle with the NFC function (**vehicles with Digital Vehicle Key**)

**INTERIOR PROTECTION IS ONLY ACTIVATED WHEN THE FOLLOWING COMPONENTS ARE CLOSED:**

- Doors
- Trunk lid

**INTERIOR PROTECTION IS AUTOMATICALLY DEACTIVATED:**

- After pressing the button or on the key
- After starting the vehicle in emergency operation mode (⟶ page 312)
- After unlocking the vehicle using KEYLESS-GO
  This also applies to the Digital Vehicle Key.
- After unlocking the vehicle with the NFC function (**vehicles with Digital Vehicle Key**)
- When using HANDS-FREE ACCESS

**THE FOLLOWING SITUATIONS CAN LEAD TO A FALSE ALARM:**

- When there are moving objects suchas mascots in the vehicle interior
- If a side window is open
- If the panoramic sliding sunroof is open

# Activating/deactivating interior protection

Multimedia system:

Settings » Vehicle » Open/Close » Vehicle Protection

▶ Activate or deactivate Interior Protection.

**INTERIOR PROTECTION IS ACTIVATED AGAIN IN THE FOLLOWING CASES:**

- The vehicle is unlocked again.
- A door is opened.
- The vehicle is locked again.

# Seats and stowing

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
You can return here at any time via the navigation bar at the top left.

Notes on correct positioning of the driver's seat
Notes on grab handles
Seats
Steering wheel
Easy entry and exit feature
Memory function
Stowage areas
Cup holder
Sockets
Charging a mobile phone wirelessly
Installing and removing floor mats
Installing and removing a pennant staff

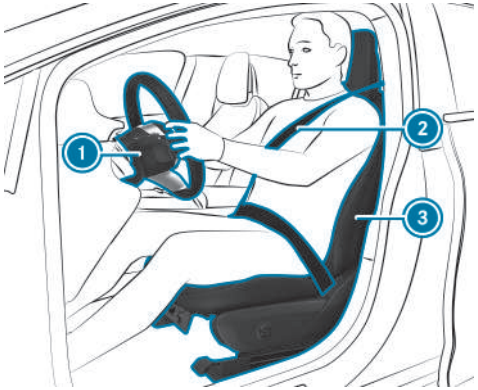
# Notes on correct positioning of the driver's seat

**WARNING**
Risk of accident due to adjusting the vehicle settings while the vehicle is in motion

**YOU COULD LOSE CONTROL OF THE VEHICLE IN THE FOLLOWING SITUATIONS IN PARTICULAR:**

- If you adjust the driver's seat, the head restraint, the steering wheel or the mirror while the vehicle is in motion
- If you fasten your seat belt while the vehicle is in motion

► Before starting the vehicle: in particular, adjust the driver's seat, head restraint, steering wheel and mirror, and fasten your seat belt.




**ENSURE THE FOLLOWING WHEN ADJUSTING THE STEERING WHEEL (1), SEAT BELT (2) AND DRIVER'S SEAT (3):**

- You are sitting as far away as possible from the driver's air bag, taking the following points into consideration:
- You are sitting in an upright position
- Your thighs are supported slightly by the seat cushion.
- Your legs are not fully extended and you can actuate all pedals with ease
- The back of your head is supported at eye level by the center of the head restraint
- You can hold the steering wheel with your arms slightly bent
- You can move your legs freely
- You can easily see all notifications on the driver display.
- You have a good overview of the traffic conditions
- Observe the notes on correct fastening of the seat belt (⟶ page 135).

# Notes on grab handles

**WARNING**
Risk of injury due to excessive load on the grab handles

If you apply your full body weight to the grab handle or pull it abruptly, the grab handle may be damaged or come loose from its anchorage. This may result in injuries.

- Use the grab handles only to stabilize the seating position or to assist in getting in and out of the seat.

# Seats

## Adjusting the front seat manually and electrically (with Seat Comfort Package)

**WARNING**
Risk of becoming trapped if the seats are adjusted by children

Children could become trapped if they adjust the seats, particularly when unattended.

- When leaving the vehicle, always take the key with you and lock the vehicle.
- Never leave children unattended in the vehicle.

You can adjust the seats when the vehicle is switched off.

**WARNING**
Risk of becoming trapped if the seats are adjusted

When adjusting a seat, you may trap yourself or a vehicle occupant, e.g. on the seat guide rail.

- Make sure that no part of the body is within the seat's range of motion when adjusting a seat.

This also applies to the Digital Vehicle Key.

Observe the safety notes on "Air bags" and "Children in the vehicle".

**WARNING**
Risk of accident due to the driver's seat not being engaged

The driver's seat may move unexpectedly while driving.

This could cause you to lose control of the vehicle.

- Always make sure that the driver's seat is engaged before starting the vehicle.

**WARNING**
Risk of accident due to adjusting the vehicle settings while the vehicle is in motion

**YOU COULD LOSE CONTROL OF THE VEHICLE IN THE FOLLOWING SITUATIONS IN PARTICULAR:**

- If you adjust the driver's seat, the head restraint, the steering wheel or the mirror while the vehicle is in motion
- If you fasten your seat belt while the vehicle is in motion

- Before starting the vehicle: in particular, adjust the driver's seat, head restraint, steering wheel and mirror, and fasten your seat belt.

**WARNING**
Risk of becoming trapped if the seat height is adjusted carelessly

If you adjust the seat height carelessly, you or other vehicle occupants could be trapped and thereby injured.

Children in particular could accidentally press the electrical seat adjustment buttons and become trapped.

- While moving the seats, make sure that hands or other body parts do not get under the lever assembly of the seat adjustment system.

**WARNING**
Risk of injury due to head restraints not being installed or being adjusted incorrectly

If head restraints have not been installed or have not been adjusted correctly, there is an increased risk of injury in the head and neck area, e.g. in the event of an accident or when braking.

- Always drive with the head restraints installed.
- Before driving off, make sure for every vehicle occupant that the center of the head restraint supports the back of the head at about eye level.

Adjust the head restraint fore-and-aft position so that it is as close as possible to the back of your head.

**WARNING**
Risk of injury or death due to an incorrect seat position

The seat belt does not offer the intended level of protection if you have not moved the seat backrest to an almost vertical position.

In particular, you could slip beneath the seatbelt and become injured.

- Adjust the seat properly before beginning your journey.
- Always ensure that the seat backrest is in an almost vertical position and that the shoulder belt is routed across the center of your shoulder.

**WARNING**
Risk of potentially fatal injuries due to objects trapped under the front passenger seat

Objects trapped under the front passenger seat may interfere with the function of the automatic front passenger air bag shutoff or damage the system.

- Do not stow any objects under the front passenger seat.
- When the front passenger seat is occupied, ensure that no objects have become trapped beneath the front passenger seat.

**NOTE**
Damage to the seats when adjusting

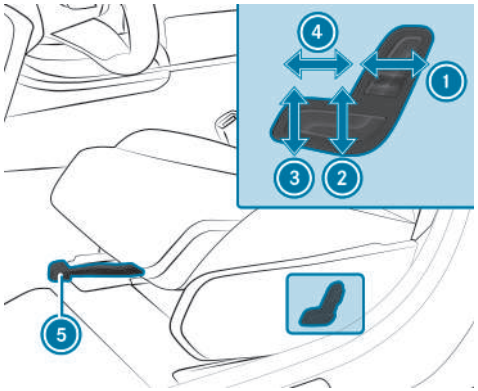
The seats may be damaged by objects when adjusting the seats.

- When adjusting the seats, make sure that there are no objects in the footwell, under or behind the seats.

**NOTE**
Damage to the headliner when making adjustments

The headliner may be damaged when adjusting the front seats.

- Adjust the head restraints first before adjusting the height of the respective seat.




1. Seat backrest inclination
2. Seat height
3. Seat cushion inclination
4. Seat cushion length
5. Seat fore-and-aft position

- **To adjust the seat fore-and-aft position:** lift the lever 5 and slide the seat into the desired position.
- Ensure that the seat is properly secured in position.

## Adjusting the front seat fully electrically

**WARNING**
Risk of becoming trapped if the seats are adjusted by children

Children could become trapped if they adjust the seats, particularly when unattended.

- When leaving the vehicle, always take the key with you and lock the vehicle.
- Never leave children unattended in the vehicle.

This also applies to the Digital Vehicle Key.

You can adjust the seats when the vehicle is switched off.

**WARNING**
Risk of becoming trapped if the seats are adjusted

When adjusting a seat, you may trap yourself or a vehicle occupant, e.g. on the seat guide rail.

► Make sure that no part of the body is within the seat's range of motion when adjusting a seat.

Observe the safety notes on "Air bags" and "Children in the vehicle".

**WARNING**
Risk of accident due to adjusting the vehicle settings while the vehicle is in motion

**YOU COULD LOSE CONTROL OF THE VEHICLE IN THE FOLLOWING SITUATIONS IN PARTICULAR:**

- If you adjust the driver's seat, the head restraint, the steering wheel or the mirror while the vehicle is in motion
- If you fasten your seat belt while the vehicle is in motion

► Before starting the vehicle: in particular, adjust the driver's seat, head restraint, steering wheel and mirror, and fasten your seat belt.

**WARNING**
Risk of becoming trapped if the seat height is adjusted carelessly

If you adjust the seat height carelessly, you or other vehicle occupants could be trapped and thereby injured.

Children in particular could accidentally press the electrical seat adjustment buttons and become trapped.

► While moving the seats, make sure that hands or other body parts do not get under the lever assembly of the seat adjustment system.

**WARNING**
Risk of injury due to head restraints not being installed or being adjusted incorrectly

If head restraints have not been installed or have not been adjusted correctly, there is an increased risk of injury in the head and neck area, e.g. in the event of an accident or when braking.

► Always drive with the head restraints installed.

► Before driving off, make sure for every vehicle occupant that the center of the head restraint supports the back of the head at about eye level.

Adjust the head restraint fore-and-aft position so that it is as close as possible to the back of your head.

**WARNING**
Risk of injury or death due to an incorrect seat position

The seat belt does not offer the intended level of protection if you have not moved the seat backrest to an almost vertical position.

In particular, you could slip beneath the seatbelt and become injured.

- Adjust the seat properly before beginning your journey.
- Always ensure that the seat backrest is in an almost vertical position and that the shoulder belt is routed across the center of your shoulder.

**WARNING**
Risk of potentially fatal injuries due to objects trapped under the front passenger seat

Objects trapped under the front passenger seat may interfere with the function of the automatic front passenger air bag shutoff or damage the system.

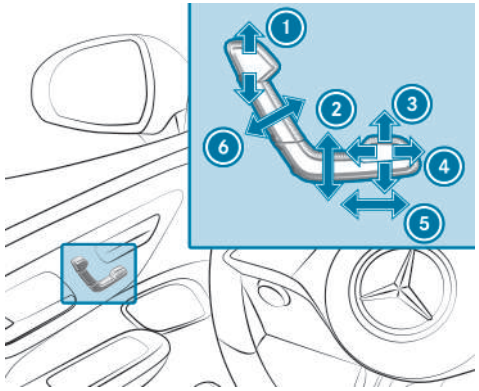
- Do not stow any objects under the front passenger seat.
- When the front passenger seat is occupied, ensure that no objects have become trapped beneath the front passenger seat.

**NOTE**
Damage to the seats when adjusting

The seats may be damaged by objects when adjusting the seats.

- When adjusting the seats, make sure that there are no objects in the footwell, under or behind the seats.

The switches for adjusting the seats do not move. You will therefore not detect any direct response from the switch while pressing the switch. Manipulation of the switch is demonstrated only by respective movement of the seat.

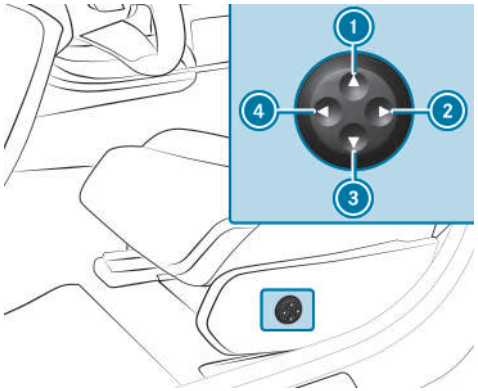



1. Head restraint height
2. Seat height
3. Seat cushion inclination
4. Seat cushion length
5. Seat fore-and-aft position
6. Seat backrest inclination

- Save the settings with the memory function (→ page 240).

The head restraint height is preset automatically when you adjust the seat height or the seat fore-and-aft position.

## Adjusting the 4-way lumbar support




1 Higher
2 Softer
3 Lower
4 Firmer

► Use buttons 1 to 4 to adjust the contour of the backrest.

## Head restraints

### ADJUSTING THE HEAD RESTRAINTS ON THE FRONT SEATS

**WARNING**
Risk of accident due to adjusting the vehicle settings while the vehicle is in motion

**YOU COULD LOSE CONTROL OF THE VEHICLE IN THE FOLLOWING SITUATIONS IN PARTICULAR:**

- If you adjust the driver's seat, the head restraint, the steering wheel or the mirror while the vehicle is in motion
- If you fasten your seat belt while the vehicle is in motion

► Before starting the vehicle: in particular, adjust the driver's seat, head restraint, steering wheel and mirror, and fasten your seat belt.

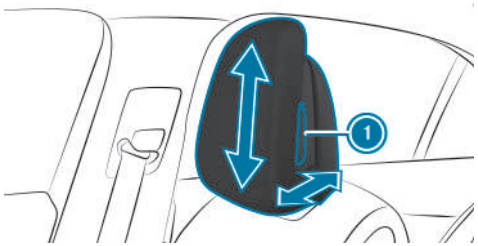
**WARNING**
Risk of injury due to incorrectly adjusted head restraints

If head restraints have not been adjusted correctly, there is an increased risk of injury in the head and neck area, e.g. in the event of an accident or sudden braking.

► Before driving off, make sure for every vehicle occupant that the center of the head restraint supports the back of the head at about eye level.

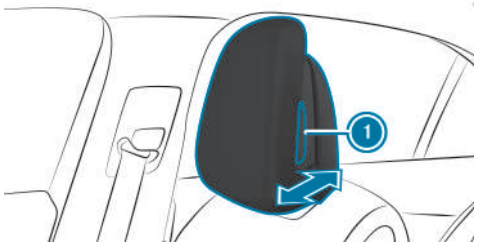
Adjust the head restraint fore-and-aft position so that it is as close as possible to the back of your head.

### SEATS WITH MANUAL AND ELECTRIC SEAT ADJUSTMENT




- Take hold of the head restraint on both sides and press release knob (1).
- **To move forwards or backwards:** pull the head restraint forwards or push it backwards.
- **To move upwards or downwards:** push the head restraint upwards or downwards.
- Let go of release knob (1).

### SEATS WITH ELECTRIC SEAT ADJUSTMENT




- Take hold of the head restraint on both sides and press release knob (1).
- **To move forwards or backwards:** pull the head restraint forwards or push it backwards.
- Let go of release knob (1).
- **To move upwards or downwards:** adjust the head restraint using the buttons on the door operating unit (⟶ page 224).

### ADJUSTING THE HEAD RESTRAINTS OF THE REAR SEATS MANUALLY

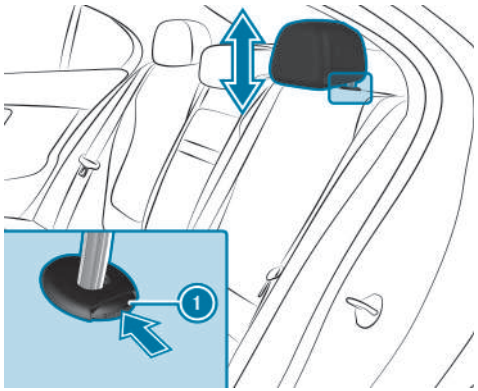
**WARNING**
Risk of injury due to head restraints not being installed or being adjusted incorrectly

If head restraints have not been installed or have not been adjusted correctly, there is an increased risk of injury in the head and neck area, e.g. in the event of an accident or when braking.

- Always drive with the head restraints installed.
- Before driving off, make sure for every vehicle occupant that the center of the head restraint supports the back of the head at about eye level.

Adjust the head restraint fore-and-aft position so that it is as close as possible to the back of your head.

Move all head restraints up at least to the first detent. If a head restraint is in the lowest, non-locked position, the respective seat must not be used.




- **To raise:** push release knob (1) in the direction of the arrow and pull the head restraint up until it engages.
- **To lower:** press release knob (1) in the direction of the arrow and push the head restraint down until it engages.

## INSTALLING/REMOVING THE REAR SEAT HEAD RESTRAINTS

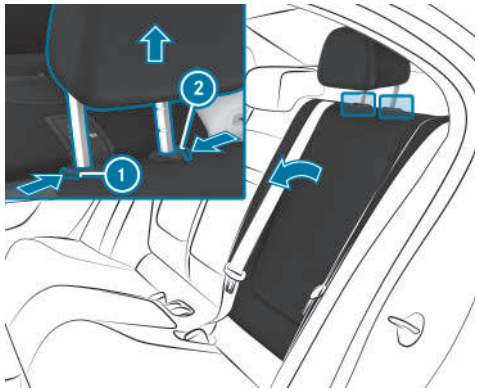
**WARNING**
Risk of injury due to head restraints not being installed or being adjusted incorrectly

If head restraints have not been installed or have not been adjusted correctly, there is an increased risk of injury in the head and neck area, e.g. in the event of an accident or when braking.

- Always drive with the head restraints installed.
- Before driving off, make sure for every vehicle occupant that the center of the head restraint supports the back of the head at about eye level.

Adjust the head restraint fore-and-aft position so that it is as close as possible to the back of your head.

### REMOVING




- Release the rear seat backrest and fold it forwards slightly (⟶ page 49).
- Press release knob (2) and pull the head restraint upwards as far as it will go.
  Release knob (1) will extend.
- Push both release knobs (1) and (2) at the same time in the direction of the arrow and pull out the head restraint.
- Fold the rear seat backrest back until it engages.

### INSTALLING

- Release the rear seat backrest and fold it forwards slightly (⟶ page 49).
- Insert the head restraint such that the notches on the bar are on the left when viewed in the direction of travel.
- Push the head restraint down until it engages.
- Fold the rear seat backrest back until it engages.

# Configuring the seat adjustments

Multimedia system:

Comfort » Seat

**ADJUSTING THE LUMBAR OR SIDE BOLSTERS**

- On the corresponding menu, adjust the air cushions for Lumbar or Side Bolsters.

**SETTING THE SEAT HEATING BALANCE**

- Select Heating Settings.
- Select Seat Heating Balance.
- Adjust the heat distribution for the desired seat.

# Setting automatic seat adjustment

**WARNING**
Risk of becoming trapped during adjustment of the driver's seat after calling up a driver profile

Selecting a user profile may trigger an adjustment of the driver's seat to the position saved under the user profile. You or other vehicle occupants could be injured in the process.

- Make sure that when the position of driver's seat is being adjusted using the multimedia system, no people or body parts are in the seat's range of movement.

If there is a risk of someone becoming trapped, immediately stop the adjustment process by:

- a) Tapping the warning message on the central display.

or

- b) Pressing a position button of the memory function or a seat adjustment switch in the driver's door.

  The adjustment process is stopped.

Multimedia system:

Comfort » Seat » Automatic Seat Positioning

**ADJUSTING THE POSITIONS OF THE DRIVER'S SEAT AND STEERING WHEEL MANUALLY TO THE RESPECTIVE BODY SIZE**

The vehicle calculates a suitable position for the driver's seat and steering wheel based on the driver's body size and adopts this position straight away.

- **Set the unit of measurement:** cm or select ft/in.
- Set the body size using the scale.
- Select Start Positioning.

  The position of the driver's seat and steering wheel are adapted to the set body size.

ⓘ You can also configure these settings via the Mercedes-Benz user account for your user profile. By synchronizing the profiles in the vehicle and the Mercedes-Benz Connect profiles, you can adopt these settings for your vehicle. Additional information on MB apps (⟶ page 628).

ⓘ You can adjust the position of the driver's seat and steering wheel set by the vehicle using the button (⟶ page 222). The outside mirror can be adjusted accordingly using the buttons (⟶ page 282).

## Overview of massage programs

ⓘ Different massage programs are available depending on the vehicle equipment:

- Classic Massage Relaxing back massage.
- Relaxing MassageRelaxing back massage with ascending wave motions and then soothing movements.
- Wave Massage Regenerative massage with soothing waves across the back and in the seat cushion.
- Deep Wave Massage Wave-like movements in the cushion can promote blood flow and metabolic processes in the legs.
- Hot Stone Massage Massage combined with warmth. Starts with a back massage. In addition, you will start to notice warm pressure points, beginning in the pelvic area.
- Invigorating Massage This massage helps to maintain your well-being and attention on long journeys. The stimulation function including deliberately chosen pauses will keep you awake and attentive during monotonous drives.

## Selecting a massage program for the front seats

Multimedia system:

→ ⌂ ▶▶ Comfort

- Select Massage.
- Select a massage program (⟶ page 231).
- Start the program for the desired seat with ▶.
- **To set the massage intensity:** switch Intensive on or off.
- **To stop the massage:** select ■.

ⓘ Availability of this function depends on the respective equipment.

## Resetting the seat adjustments

Multimedia system:

→ ⌂ » Comfort » Seat

- ► Select Reset.
- ► Select ⟲ for the desired seat.

## Switching the seat heating on/off

**⚠ WARNING**
Risk of burns due to repeatedly switching on the seat heating

Repeatedly switching on the seat heating can cause the seat cushion and seat backrest padding to become very hot.

In particular, the health of persons with limited temperature sensitivity or a limited ability to react to high temperatures may be affected or they may even suffer burn-like injuries.

- ► Do not repeatedly switch on the seat heating.

To protect against overheating, the seat heating may be temporarily deactivated after it has been switched on repeatedly.

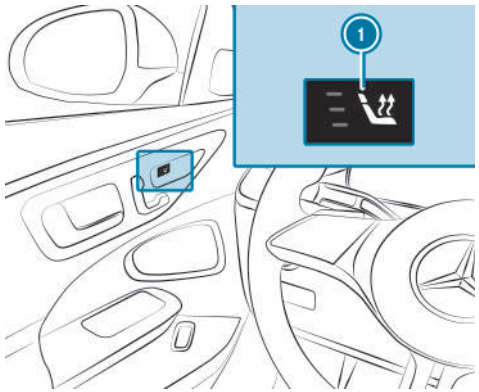
**! NOTE**
Damage to the seats caused by objects or documents when the seat heating is switched on

When the seat heating is switched on, overheating may occur due to objects or documents placed on the seats, e.g. seat cushions or child seats. This could cause damage to the seat surface.

- ► Make sure that no objects or documents are on the seats when the seat heating is switched on.

**Requirements:**

- The power supply is switched on.




- ► Press the button (1) for the respective seat repeatedly until the desired heating level is reached.

  Depending on the heating level, up to three indicator lamps will light up. If all indicator lamps are off, the seat heating is switched off.

The seat heating will automatically switch down from the three heating levels after around 8, 10 and 20 minutes until the seat heating is switched off.

If you switch the power supply off and on again within 20 minutes, the previous setting of the seat heating for the driver's seat will remain active.

You can set the heat distribution of the heated sections on the seat cushions and seat backrests of the front seats in the multimedia system (⟶ page 230).

## Setting the panel heating

Multimedia system:

Comfort >> Seat >> Heating Settings >> Switch On Panel Heating

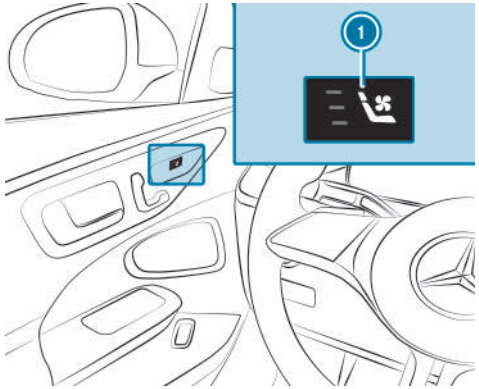
The armrests can be heated when the seat heating is switched on.

- Switch the function for the desired seats on or off.

## Switching the seat ventilation on/off

**Requirements:**

- The power supply is switched on.




- Press the button 1 for the respective seat repeatedly until the desired blower setting is reached.

  Depending on the blower setting, up to three indicator lamps will light up. If all indicator lamps are off, the seat ventilation is switched off.

If you switch the power supply off and on again within 20 minutes, the previous seat ventilation setting for the driver's seat will remain active.

# Steering wheel

## Adjusting the steering wheel manually

**WARNING**
Risk of accident due to adjusting the vehicle settings while the vehicle is in motion

**YOU COULD LOSE CONTROL OF THE VEHICLE IN THE FOLLOWING SITUATIONS IN PARTICULAR:**

- If you adjust the driver's seat, the head restraint, the steering wheel or the mirror while the vehicle is in motion
- If you fasten your seat belt while the vehicle is in motion

► Before starting the vehicle: in particular, adjust the driver's seat, head restraint, steering wheel and mirror, and fasten your seat belt.

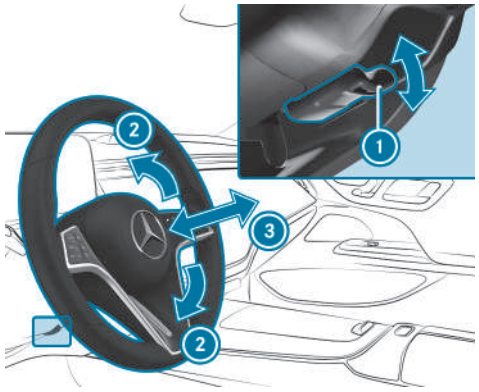
**WARNING**
Risk of entrapment for children when adjusting the steering wheel

Children could injure themselves if they adjust the steering wheel.

► Never leave children unattended in the vehicle.

► When leaving the vehicle, always take the key with you and lock the vehicle.

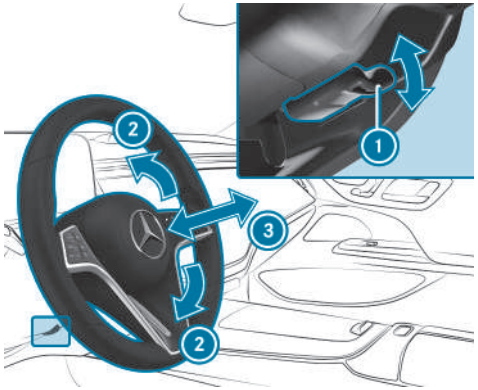
**UNLOCKING**




► Fold release lever (1) down as far as it will go.

► Adjust height (2) and distance (3) to the steering wheel.

**LOCKING**




- ► Fold release lever (1) up as far as it will go.
- ► Check and make sure that the steering column is locked by moving the steering wheel.

## Adjusting the steering wheel electrically

**WARNING**
Risk of accident due to adjusting the vehicle settings while the vehicle is in motion

**YOU COULD LOSE CONTROL OF THE VEHICLE IN THE FOLLOWING SITUATIONS IN PARTICULAR:**

- If you adjust the driver's seat, the head restraint, the steering wheel or the mirror while the vehicle is in motion
- If you fasten your seat belt while the vehicle is in motion

► Before starting the vehicle: in particular, adjust the driver's seat, head restraint, steering wheel and mirror, and fasten your seat belt.

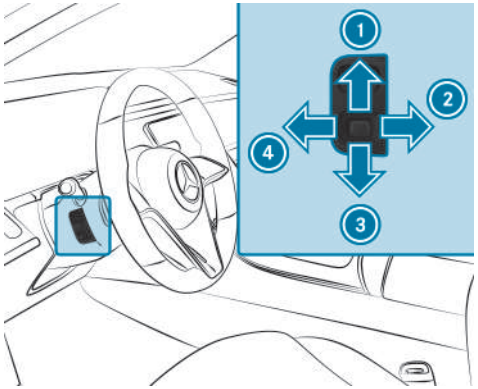
**WARNING**
Risk of entrapment for children when adjusting the steering wheel

Children could injure themselves if they adjust the steering wheel.

► Never leave children unattended in the vehicle.

► When leaving the vehicle, always take the key with you and lock the vehicle.

This also applies to the Digital Vehicle Key.
The steering wheel can be adjusted when the power supply is disconnected.




1 To move up
2 To move back
3 To move down
4 To move forward

► Save the settings with the memory function (⟶ page 240).

## Decoupling the steering wheel heater from the seat heating

**Requirements:**

- The power supply or the vehicle has been switched on.
- The steering wheel heater and the seat heating are interconnected.

Multimedia system:

Comfort » Seat » Heating Settings

The function is switched on by default. The steering wheel heater is automatically activated and deactivated when the seat heating is switched on or off.

► Tap on Switch On Steering Wheel Heater.

The steering wheel heater is decoupled from the seat heating.

# Easy entry and exit feature

## Using the easy entry and exit feature

**WARNING**
Risk of accident when pulling away during the adjustment process of the easy entry and exit feature

You could lose control of the vehicle.

- ► Always wait until the adjustment process is complete before driving off.

This also applies to the Digital Vehicle Key.
**Vehicles with memory function:** you can stop the adjustment process by pressing one of the memory function position switches.

**WARNING**
Risk of becoming trapped if children activate the easy entry and exit feature

Children could become trapped if they activate the easy entry and exit feature, particularly when unattended.

- ► Never leave children unattended in the vehicle.
- ► When leaving the vehicle, always take the key with you and lock the vehicle.

This also applies to the Digital Vehicle Key.
In order to use the easy entry and exit feature, the automatic seat adjustment function must have been switched on (→ page 230).

**WHEN THE EASY ENTRY AND EXIT FEATURE IS ACTIVE, THE STEERING WHEEL AND DRIVER'S SEAT WILL MOVE AS FOLLOWS:**

- The steering wheel will move upwards.
- The driver's seat will move forward or backward to a position suitable for getting in or out of the vehicle.

**THIS WILL OCCUR IN THE FOLLOWING SITUATIONS:**

- You switch off the vehicle when the driver's door is open.
- You open the driver's door when the vehicle is switched off.

The steering wheel will then move upwards only if it is not already as high as it will go. The driver's seat will move forwards or backwards only if it is not already in the ideal position for getting in or out of the vehicle.

**THE STEERING WHEEL AND THE DRIVER'S SEAT WILL MOVE BACK TO THE LAST DRIVING POSITION IN THE FOLLOWING CASES:**

- You switch the power supply or the vehicle on when the driver's door is closed.

- You close the driver's door when the vehicle is switched on.

**THE LAST DRIVE POSITION WILL BE SAVED WHEN:**

- You switch off the vehicle.
- **Vehicles with memory function:** you call up the seat settings via the memory function.

**Vehicles with memory function:** press one of the memory function position switches to stop the adjustment process.

## Setting the easy entry and exit feature

**Requirements:**

- The automatic seat adjustment has been activated (⟶ page 230).

Multimedia system:

→ ⌂ ⏩ Settings ⏩ Vehicle ⏩ Easy Entry And Exit Feature

▶ Select Steering Wheel & Seat, Steering Wheel Only or Off.

ⓘ If you are using a custom user profile, this information will be used for the easy entry and exit feature. This will cause the driver's seat and steering wheel to move into the correct position automatically. Further information about user profiles (⟶ page 517).

# Memory function

## The memory function

**WARNING**
Risk of an accident if the memory function is used while driving

If you use the memory function on the driver's side while driving, you could lose control of the vehicle as a result of the adjustments being made.

- Only use the memory function on the driver's side when the vehicle is stationary.

**WARNING**
Risk of entrapment when adjusting the seat with the memory function

When the memory function adjusts the seat, you and other vehicle occupants – particularly children – could become trapped.

- During the adjusting process of the memory function, ensure that no body parts are in the area of movement of the seat or the steering wheel.
- If someone becomes trapped, press a preset position button or seat adjustment switch immediately.

  The adjustment process is stopped.

**WARNING**
Danger of entrapment when memory function is activated by children

When children activate the memory function, they can get trapped, especially if they are unsupervised.

- Never leave children unattended in the vehicle.
- When leaving the vehicle, always take the key with you and lock the vehicle.

This also applies to the Digital Vehicle Key.

You can use the memory function when the vehicle is switched off.
Seat adjustments for up to three people can be stored and called up using the memory function.

**YOU CAN SAVE THE FOLLOWING SETTINGS FOR THE FRONT SEAT:**

- Seat, backrest, head restraint position and contour of the seat backrest in the lumbar region
- Seat heating: distribution of the heated sections of the seat cushion and seat backrest
- Driver's side: steering wheel position and outside mirror positions on the driver's and front passenger sides
- Head-up display

# Operating the memory function

**WARNING**
Risk of an accident if the memory function is used while driving

If you use the memory function on the driver's side while driving, you could lose control of the vehicle as a result of the adjustments being made.

- Only use the memory function on the driver's side when the vehicle is stationary.

**WARNING**
Danger of entrapment when memory function is activated by children

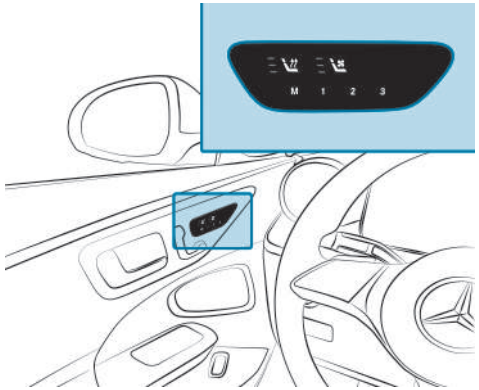
When children activate the memory function, they can get trapped, especially if they are unsupervised.

- Never leave children unattended in the vehicle.
- When leaving the vehicle, always take the key with you and lock the vehicle.

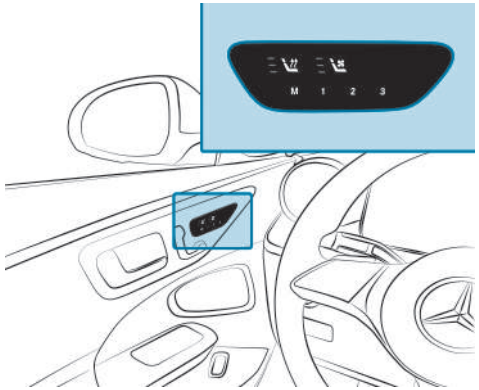
This also applies to the Digital Vehicle Key.

You can use the memory function when the vehicle is switched off.

**STORING**




- Adjust the front seat, the steering wheel, the head-up display and the outside mirrors to the desired position.
- Press the memory button M and then release it.
- Press one of the preset position buttons 1, 2 or 3 within three seconds.
  An acoustic signal sounds. The settings are stored.



- **To call up:** press the preset position button 1, 2 or 3.
  The seat is moved to the stored position. After releasing the button, the front seat, outside mirrors, head-up display and steering column continue to move into the stored position automatically.

You can watch an animation on this topic via the following link:

# Stowage areas

## Notes on loading the vehicle

**DANGER**
Risk of fatal injury from toxic exhaust gases when the trunk lid is open

Combustion engines emit toxic exhaust gases such as carbon monoxide. Inhaling these exhaust gases is hazardous to health and leads to poisoning. Exhaust gases can enter the vehicle interior if the trunk lid is open when the engine is running, especially if the vehicle is in motion.

- Always switch off the engine before opening the trunk lid.
- Never drive with the trunk lid open.

Objects in the deployment area of an airbag may prevent the airbag from functioning correctly. Observe the notes on airbags. (⟶ page 154)

**WARNING**
Risk of injury from unsecured items in the vehicle

If objects, luggage or loads are not secured or not secured sufficiently, they could slip, tip over or be thrown around and thereby hit vehicle occupants.

There is a risk of injury, particularly in the event of sudden braking or a sudden change in direction.

- Always stow objects in such a way that they cannot be thrown around.
- Before the journey, secure objects, luggage or loads against slipping or tipping over.

**WARNING**
Risk of injury due to objects being stowed incorrectly

If objects in the vehicle interior are stowed incorrectly, they can slide or be thrown around and hit vehicle occupants. In addition, cup holders, open storage spaces and mobile phone brackets cannot always retain all objects they contain.

There is a risk of injury, particularly in the event of sudden braking or a sudden change in direction.

- Always stow objects in such a way that they cannot be thrown around in such situations.
- Always make sure that objects do not protrude from storage spaces, parcel nets or storage nets.
- Close the lockable storage spaces before starting a journey.
- Always stow and secure heavy, hard, pointed, sharp-edged, fragile or bulky objects in the trunk.

**WARNING**
Risk of accident due to objects in the driver's and front-passenger footwell

Objects in the driver's and front-passenger footwell may impede pedal travel or block a depressed pedal.

This jeopardizes the operating- and road safety of the vehicle.

- Stow all objects in the vehicle securely so that they cannot get into the driver's or front-passenger footwell.
- Always ensure that the pedals have sufficient free space.
- Always install the floor mats securely and as prescribed.
- Do not use loose floor mats and do not place floor mats on top of one another.

**Vehicles with automatic front passenger airbag shutoff:** objects trapped under the front passenger seat may interfere with the function of the automatic front passenger airbag shutoff or damage the system. Therefore please observe the notes on the function of automatic front passenger airbag shutoff. (→ page 141)

**NOTE**
Damage to the vehicle caused by spilled liquids

If liquids are spilled in the vehicle, parts of the vehicle may be damaged.

- ► Always securely close containers containing liquids that you have brought with you.
- ► Clean the vehicle as soon as possible if liquids are spilled.
- ► If larger quantities of liquids are spilled, have the vehicle checked in a qualified specialist workshop.

**WARNING**
Risk of burns from the tailpipe and tailpipe trims

The exhaust tailpipe and tailpipe trims can become very hot. If you come into contact with these parts of the vehicle, you could burn yourself.

- ► Always be particularly careful around the tailpipe and the tailpipe trims and supervise children especially closely in this area.
- ► Allow vehicle parts to cool down before touching them.

ⓘ Leather is a natural product. It has natural surface characteristics, suchas differences in structure, marks caused by growth and injury, or subtle color differences. These surface characteristics are particular to leather, and are not material defects. Leather is also subject to a natural aging process, which changes the surface characteristics.

**THE HANDLING CHARACTERISTICS OF YOUR VEHICLE ARE DEPENDENT ON THE DISTRIBUTION OF THE LOAD WITHIN THE VEHICLE. YOU SHOULD BEAR THE FOLLOWING IN MIND WHEN LOADING THE VEHICLE:**

- Never allow the payload including occupants to exceed the maximum permissible gross mass or the permissible axle loads for the vehicle. The values are specified on the vehicle identification plate on the vehicle's B-pillar.
- The load must not protrude above the upper edge of the seat backrests.
- Always place the load behind unoccupied seats if possible.
- Secure the load using the tie-down eyes and distribute the tension evenly.

**NOTES ON DRIVING WITH A ROOF LOAD**

- Distribute the roof load and vehicle load evenly, and place heavy objects at the bottom. Also observe the notes on loading the vehicle.
- Drive with care. Avoid sudden starting, braking, and steering maneuvers or fast cornering.
- When carrying a roof load or when the vehicle is fully loaded or occupied, select drive program E or C. These are configured for good stability. (→ page 333)

# Stowage spaces in the vehicle interior

## OVERVIEW OF THE FRONT STORAGE COMPARTMENTS

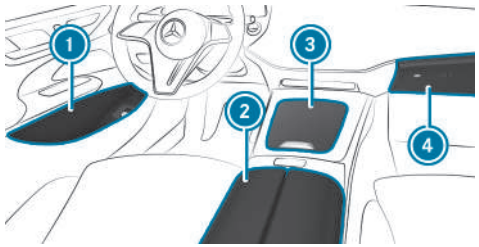
**WARNING**
Risk of injury due to objects being stowed incorrectly

If objects in the vehicle interior are stowed incorrectly, they can slide or be thrown around and hit vehicle occupants. In addition, cup holders, open storage spaces and mobile phone brackets cannot always retain all objects they contain.

There is a risk of injury, particularly in the event of sudden braking or a sudden change in direction.

- Always stow objects in such a way that they cannot be thrown around in such situations.
- Always make sure that objects do not protrude from storage spaces, parcel nets or storage nets.
- Close the lockable storage spaces before starting a journey.
- Always stow and secure heavy, hard, pointed, sharp-edged, fragile or bulky objects in the trunk.

Observe the notes on loading the vehicle.




1. Stowage spaces in the doors
2. Stowage and telephone compartment beneath the armrest with USB ports
3. Storage compartment in the front center console, with cup holders, USB ports and charging module for wireless charging of mobile phones depending on the vehicle version
4. Glove box

The compartment under armrest 2 and the storage compartment in center console 3 are connected via a channel so that cables can be routed through them. This allows, for example, USB connection cables for connecting devices to be stowed in both compartments.

The rubber mat in the storage compartment in front center console 3 can be removed for cleaning with clean, lukewarm water. Observe the notes on caring for the interior (⟶ page 678).

## OPENING AND CLOSING THE STORAGE COMPARTMENT IN THE FRONT CENTER CONSOLE

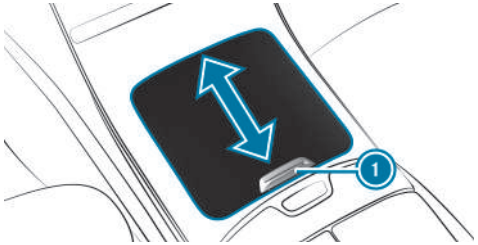
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- Always stow and secure heavy, hard, pointed, sharp-edged, fragile or bulky objects in the trunk.

Observe the notes on loading the vehicle.




- **To open:** slide the cover of the storage compartment in the front center console all the way forwards in the direction of the arrow using handle 1.
- **To close:** briefly push handle 1 of the open cover of the storage compartment in the front center console forwards.

  The cover will automatically close the storage compartment in the front center console.

## LOCKING/UNLOCKING THE GLOVE BOX

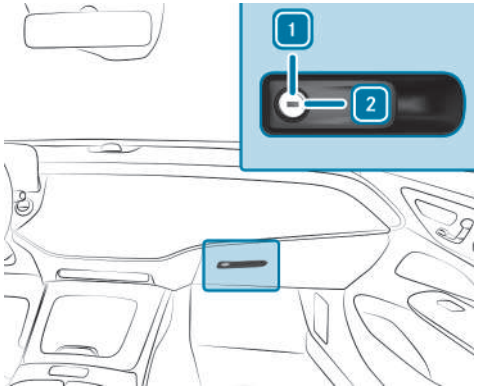
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If objects in the vehicle interior are stowed incorrectly, they can slide or be thrown around and hit vehicle occupants. In addition, cup holders, open storage spaces and mobile phone brackets cannot always retain all objects they contain.

There is a risk of injury, particularly in the event of sudden braking or a sudden change in direction.

- Always stow objects in such a way that they cannot be thrown around in such situations.
- Always make sure that objects do not protrude from storage spaces, parcel nets or storage nets.
- Close the lockable storage spaces before starting a journey.
- Always stow and secure heavy, hard, pointed, sharp-edged, fragile or bulky objects in the trunk.

Observe the information on loading the vehicle.




► Turn the emergency key a quarter turn clockwise [2] (to lock) or counterclockwise [1] (to unlock).

# Through-loading feature in the rear bench seat (EASY-PACK Quickfold)

**FOLDING THE REAR SEAT BACKRESTS FORWARDS**

**WARNING**
Risk of becoming trapped when adjusting the seats

When you adjust a seat, you may trap yourself or a vehicle occupant.

► When adjusting a seat, make sure that no one has any body parts in the sweep of the seat.

**WARNING**
Risk of an accident because the seat backrest is not engaged

The seat backrest may fold forwards.

**THERE IS A RISK OF THE FOLLOWING, IN PARTICULAR:**

- The vehicle occupant may be pressed against the seat belt. The seat belt cannot protect as intended and could cause additional injury.
- A child restraint system is no longer properly supported or properly positioned and may no longer fulfill its function as intended.
- The seat backrest cannot restrain objects or goods in the trunk or cargo compartment.

**ALWAYS ENSURE THAT THE SEAT BACKREST IS ENGAGED, ESPECIALLY:**

- After the seat has been adjusted.
- After the cargo compartment enlargement has been folded forwards

Ensure that the red marking of the lock verification indicator is no longer visible. Otherwise, the seat backrest will not be locked.

Always ensure that all vehicle occupants have their seat belts fastened correctly and are sitting properly. Particular attention must be paid to children.

**Requirements:**

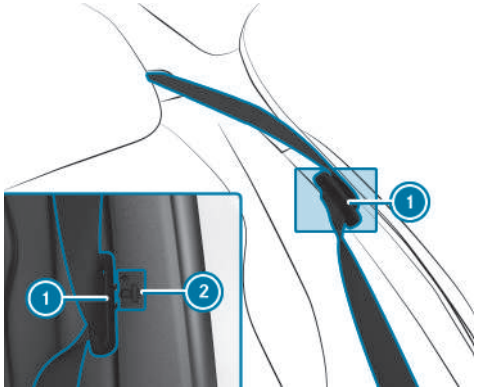
- The rear seat backrest head restraints are fully inserted.
- The rear armrest has been folded up.

**FOLDING THE REAR OUTER SEAT BACKRESTS FORWARDS**
You can fold the center and right seat backrests forwards separately.

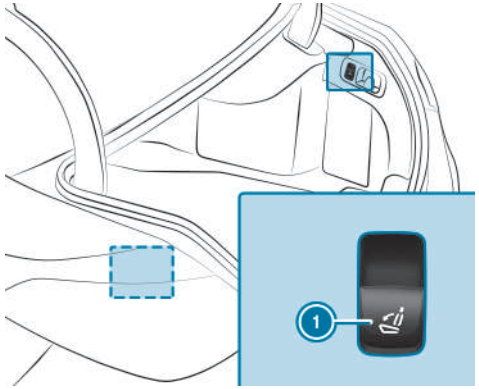
The left seat backrest can be folded forwards only together with the center seat backrest.

If you no longer require the folded-down rear seat backrest as a load area, fold the backrest back into place.

- Ensure that the center seat backrest is in an upright position and locked to the left seat backrest (⟶ page 250).




- Press the seat belt tongue of the seat belt (1) into the marked position (2).
- Move the driver's seat or front passenger seat forwards as necessary.




- **To fold the left seat backrest forward:** briefly press the left button (1).

  The left seat backrest will fold forwards together with the center seat backrest.

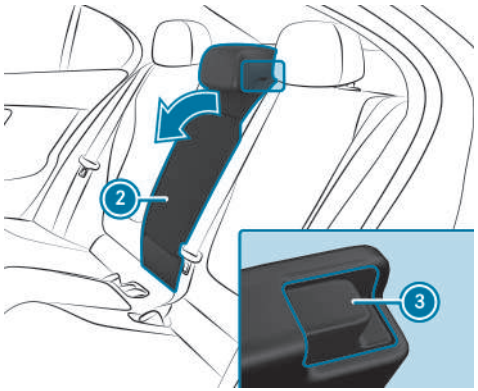
  If the left seat backrest is not locked with the center seat backrest, this will be shown on the central display.

- **To fold the right seat backrest forwards:** briefly press the right button (1).

  The right seat backrest will fold forwards.

ⓘ If you wish to fold only one of the outer seat backrests forwards, fold the right seat backrest forwards.

**FOLDING THE CENTER REAR SEAT BACKREST FORWARDS SEPARATELY**
If you no longer require the folded-down seat backrest as a loading area, fold the backrest back into place.




- ► Press the release catch (3).
- ► Fold the seat backrest (2) forwards.

**FOLDING THE REAR SEAT BACKREST BACK**

**WARNING**
Risk of becoming trapped when adjusting the seats

When you adjust a seat, you may trap yourself or a vehicle occupant.

- ► When adjusting a seat, make sure that no one has any body parts in the sweep of the seat.

**WARNING**
Risk of an accident because the seat backrest is not engaged

The seat backrest may fold forwards.

**THERE IS A RISK OF THE FOLLOWING, IN PARTICULAR:**

- The vehicle occupant may be pressed against the seat belt. The seat belt cannot protect as intended and could cause additional injury.
- A child restraint system is no longer properly supported or properly positioned and may no longer fulfill its function as intended.
- The seat backrest cannot restrain objects or goods in the trunk or cargo compartment.

**ALWAYS ENSURE THAT THE SEAT BACKREST IS ENGAGED, ESPECIALLY:**

- After the seat has been adjusted.
- After the cargo compartment enlargement has been folded forwards

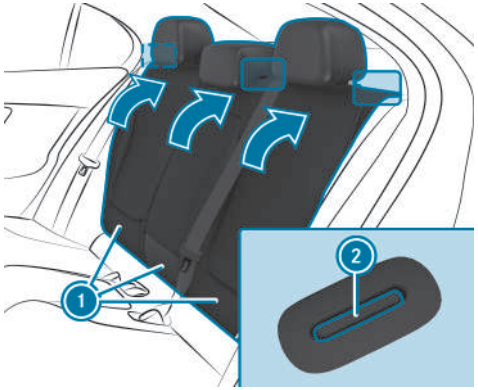
Make sure that the red marking of the lock verification indicator is no longer visible. Otherwise, the seat backrest is not locked.

Always ensure that all vehicle occupants have their seat belts fastened correctly and are sitting properly. Particular attention must be paid to children.

**NOTE**
Damage caused by trapping the seat belt when folding back the seat backrest

The seat belt could become trapped and thus damaged when the seat backrest is folded back.

- Make sure that the seat belt is not trapped when folding back the seat backrest.




- Move the driver's or front passenger seat forwards, if necessary.
- Swivel seat backrest (1) back until it engages.
  If the seat backrest is not engaged and locked in place, red lock verification indicator (2) will be visible.

## LOCKING AND RELEASING THE RELEASE CATCH OF THE CENTER REAR SEAT BACKREST

**WARNING**
Risk of becoming trapped when adjusting the seats

When you adjust a seat, you may trap yourself or a vehicle occupant.

- When adjusting a seat, make sure that no one has any body parts in the sweep of the seat.

**WARNING**
Risk of an accident because the seat backrest is not engaged

The seat backrest may fold forwards.

**THERE IS A RISK OF THE FOLLOWING, IN PARTICULAR:**

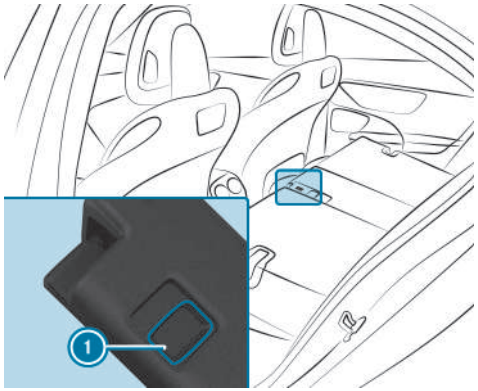
- The vehicle occupant may be pressed against the seat belt. The seat belt cannot protect as intended and could cause additional injury.
- A child restraint system is no longer properly supported or properly positioned and may no longer fulfill its function as intended.
- The seat backrest cannot restrain objects or goods in the trunk or cargo compartment.

**ALWAYS ENSURE THAT THE SEAT BACKREST IS ENGAGED, ESPECIALLY:**

- After the seat has been adjusted.
- After the cargo compartment enlargement has been folded forwards

If the seat backrests are not engaged and locked in place, the red lock verification indicators will be visible.

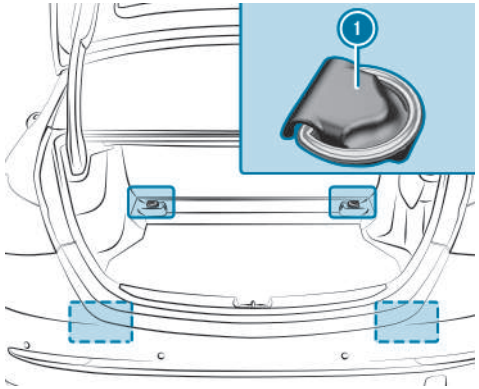
Always ensure that all vehicle occupants have their seat belts fastened correctly and are sitting properly. Particular attention must be paid to children. You can lock the center seat backrest release catch if you want to secure the trunk against unauthorized access. The center seat backrest can then be folded forwards only together with the left seat backrest.




► **To lock or unlock:** slide catch (1) upwards or downwards.

## Overview of the tie-down eyes

Observe the notes on loading the vehicle (⟶ page 242).




(1) Tie-down eyes

## Overview of bag hooks

**WARNING**
Risk of injury when using bag hooks with heavy objects

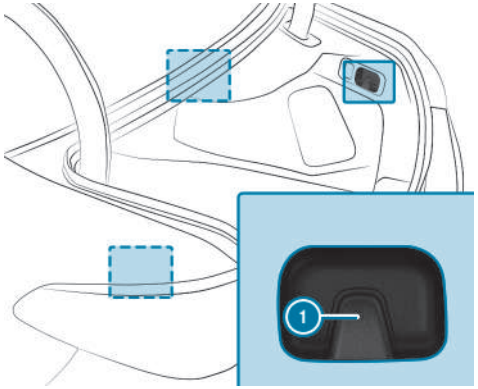
The bag hooks cannot restrain heavy objects or items of luggage.

Objects or items of luggage may be flung around and hit vehicle occupants.

- ► Only hang light objects on the bag hooks.
- ► Never hang hard, sharp-edged or fragile objects on the bag hooks.

Observe the notes on loading the vehicle (⟶ page 242).

The bag hook can bear a maximum load of 6.6 lbs (3 kg). Do not use it to secure a load.




(1) Bag hook

## Attaching the parcel net

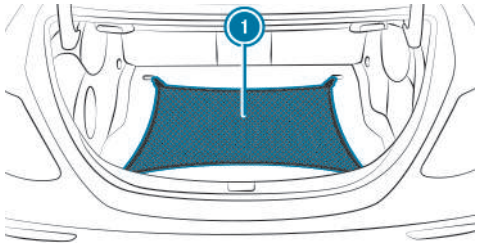
**WARNING**
Risk of injury due to objects being stowed incorrectly

If objects in the vehicle interior are stowed incorrectly, they can slide or be thrown around and hit vehicle occupants. In addition, cup holders, open storage spaces and mobile phone brackets cannot always retain all objects they contain.

There is a risk of injury, particularly in the event of sudden braking or a sudden change in direction.

- Always stow objects in such a way that they cannot be thrown around in such situations.
- Always make sure that objects do not protrude from storage spaces, parcel nets or storage nets.
- Close the lockable storage spaces before starting a journey.
- Always stow and secure heavy, hard, pointed, sharp-edged, fragile or bulky objects in the trunk.

Observe the information on loading the vehicle.
The parcel net is available for all vehicles except hybrid vehicles.



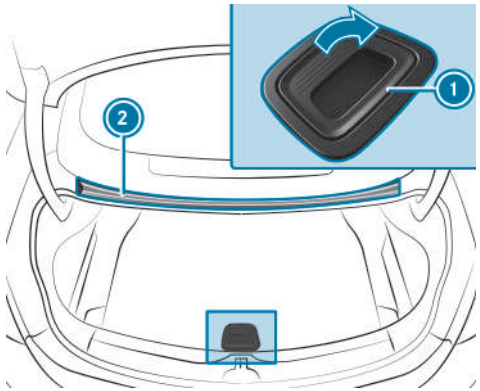
- Fold up the tie-down eyes.
- Hook parcel net (1) into the front and rear tie-down eyes.

## Opening the stowage space under the trunk floor

**NOTE**
Damage to the handle in the trunk floor

If the handle in the trunk is left protruding, the handle may be damaged.

- Before closing the trunk lid, detach the handle and press it down closed again.




- Pull handle (1) up and hook it to top seal (2) of the cargo compartment.

## Attaching a roof luggage rack

**WARNING**
Risk of accident due to exceeding the maximum roof load

The vehicle center of gravity and the usual driving characteristics as well as the steering and braking characteristics alter.

If you exceed the maximum roof load, the driving characteristics, as well as steering and braking, will be greatly impaired.

- Never exceed the maximum roof load and adjust your driving style.

Vehicle-specific weight information can be found on the vehicle identification plate.

**NOTE**
Vehicle damage due to failure to observe the maximum permissible clearance height

If the vehicle height exceeds the maximum permissible clearance height, the roof and other vehicle parts may be damaged.

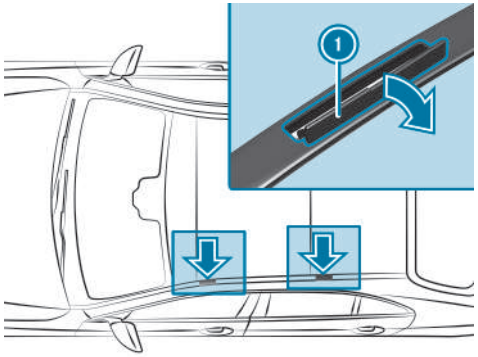
- Please observe the maximum clearance height indicated.
- If the vehicle exceeds the permissible clearance height, do not drive in.
- Take the modified vehicle height into account in the case of roof superstructures or other carrier systems.

**NOTE**
Damage to the panorama roof with power tilt/sliding panel due to non-approved roof luggage racks

The panorama roof with power tilt/sliding panel may be damaged by the roof luggage rack if you attempt to open it when using a roof luggage rack not tested and approved for Mercedes-Benz.

- When a roof luggage rack is installed, open the panorama roof with power tilt/sliding panel only if this has been tested and approved for Mercedes-Benz.

The panorama roof with power tilt/sliding panel may be raised to allow ventilation of the vehicle interior.




**NOTE**
Damage to the covers

The covers may be damaged and scratched when being opened.

- Do not use metallic or hard objects.

- Fold covers (1) carefully upwards in the direction of the arrow.
- Secure the roof luggage rack to the fastening points beneath covers (1).
- Comply with the installation instructions of the roof luggage rack manufacturer.
- Secure the load on the roof luggage rack.

# Cup holder

## Installing or removing the cup holder in the center console

**WARNING**
- Risk of accident or injury when using the cup holder while the vehicle is moving

The cup holder cannot secure containers while the vehicle is moving.

If you use a cup holder while the vehicle is moving, the container may be flung around and liquids may be spilled. The vehicle occupants may come into contact with the liquid and if it is hot, they could be scalded. You could be distracted from traffic conditions and you may lose control of the vehicle.

- Only use the cup holder when the vehicle is stationary.
- Only use the cup holder for containers of the right size.
- Close the container, particularly if the liquid is hot.

**WARNING**
Risk of injury due to objects being stowed incorrectly

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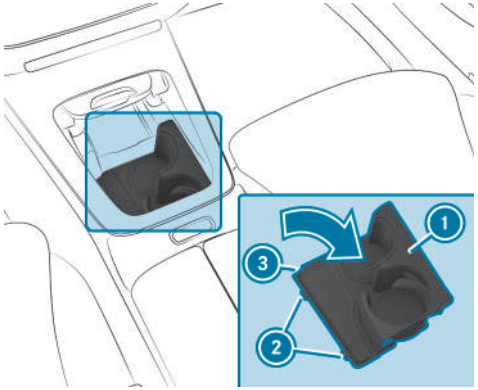
There is a risk of injury, particularly in the event of sudden braking or a sudden change in direction.

- Always stow objects in such a way that they cannot be thrown around in such situations.
- Always make sure that objects do not protrude from storage spaces, parcel nets or storage nets.
- Close the lockable storage spaces before starting a journey.
- Always stow and secure heavy, hard, pointed, sharp-edged, fragile or bulky objects in the trunk.

Depending on the vehicle version, a cup holder can be used in the storage compartment in the front center console.

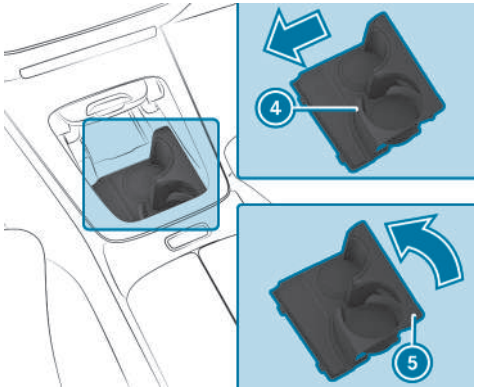
The cup holder can be removed for cleaning. Observe the information on loading the vehicle (→ page 242).

## INSERTING A CUP HOLDER



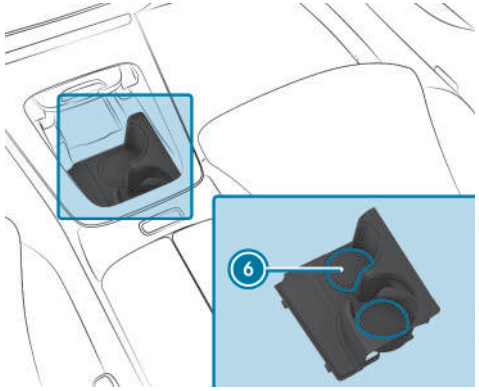

- Starting with the corner (3), insert the cup holder and rotate it into place so that the two lugs (2) are in the recesses in the trim.
- Rotate the cup holder into the compartment and press the housing (1) down until it engages.

## REMOVING THE CUP HOLDER




- Push the side wall of the rear beverage compartment (4) to the left until the cup holder releases.
- Using the corner (5), twist out cup holder to the front left.
- Reinsert the cup holder after cleaning.

## REMOVING/INSTALLING THE INSERT MATS



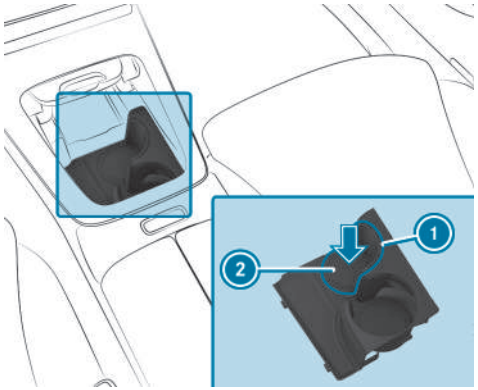

The insert mats (6) in the cup holder beverage compartments can be removed for cleaning.

- **To remove:** use a suitable tool to push the insert mats out of their mounting from the rear of the removed cup holder.
- **To install:** press the insert mats into the cup holder mountings until they engage.

# Using the cup holder

Check whether the beverage container is held firmly by the cup holder. Some beverage containers will not be secured adequately in the cup holder due to their shape or size.

The side wall of the front beverage compartment can be retracted and extended manually.



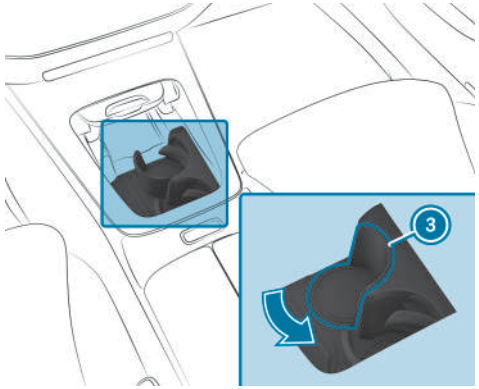

- Gently push a beverage container into the bottom (2) of the beverage compartment.

  The side panel will automatically extend to the left to secure the beverage container.

Alternatively, you can extend the side wall of the beverage compartment by pressing lightly on the grooved surface (1).

**RETRACTING THE SIDE WALL**

When the front beverage compartment is not in use, the side panel can be retracted manually. The cup holder's holding function will then no longer be available.



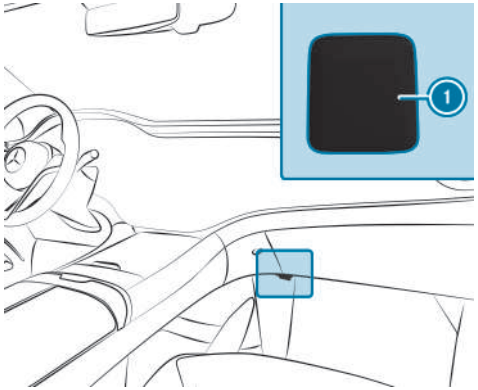

- Push the side panel back in the direction of the arrow until it engages in the correct position (3).

# Sockets

## Using the 12 V socket in the front passenger footwell

**Requirements**

- Connect only devices up to a maximum of 180 W (15 A).




12 V socket in the front passenger footwell

- ▶ Fold up the cap of socket (1).
- ▶ Insert the plug of the device.
- ▶ Make sure that no cables are running through or secured in the deployment area of an air bag when you use the socket. Also observe the notes on the air bags (⟶ page 154).

## Using USB ports

**DEPENDING ON THE VEHICLE EQUIPMENT, THE VEHICLE HAS THE FOLLOWING USB PORTS:**

- in the storage compartment in the front center console
- in the storage compartment under the front armrest
- in the rear passenger compartment center console

You can charge a USB device, such as a mobile phone, at the USB ports using a suitable charging cable. Depending on the vehicle equipment, the vehicles can be charged with up to 20 V (5 A) when the vehicle is switched on.

# Charging a mobile phone wirelessly

**WARNING**
Risk of injury due to objects being stowed incorrectly

If objects in the vehicle interior are stowed incorrectly, they can slide or be thrown around and hit vehicle occupants. In addition, cup holders, open storage spaces and mobile phone brackets cannot always retain all objects they contain.

There is a risk of injury, particularly in the event of sudden braking or a sudden change in direction.

- Always stow objects in such a way that they cannot be thrown around in such situations.
- Always make sure that objects do not protrude from storage spaces, parcel nets or storage nets.
- Close the lockable storage spaces before starting a journey.
- Always stow and secure heavy, hard, pointed, sharp-edged, fragile or bulky objects in the trunk.

**WARNING**
Risk of injury due to objects being stowed incorrectly

If objects in the vehicle interior are stowed incorrectly, they may slide or be thrown around and hit vehicle occupants. In addition, cup holders, open stowage spaces and mobile phone receptacles will not always be able to retain all objects that they contain in the event of an accident.

There is a risk of injury, particularly in the event of sudden braking or a sudden change in direction.

- Always stow objects such that they cannot be thrown around in such situations.
- Always make sure that objects do not protrude from stowage spaces, parcel nets or stowage nets.
- Close the lockable stowage spaces before starting a journey.
- Always stow and secure heavy, hard, pointed, sharp-edged, fragile or bulky objects in the trunk/cargo compartment.

Observe the information on loading the vehicle.

**WARNING**
Risk of fire from placing items in the mobile phone tray during charging

Placing additional items in the mobile phone tray during charging creates a risk of fire. That is particularly true if these are metal items.

► Do not place any items in the mobile phone tray during charging, especially no metal items such as coins, for example.

Observe the information on loading the vehicle.

**Requirements:**

- The mobile phone is suitable for wireless charging.
  A list of compatible mobile phones can be found at: https://www.mercedes-benz-mobile.com/

**NOTE**
Damage to objects caused by placing them in the mobile phone storage compartment

If objects are placed in the mobile phone storage compartment, these may be damaged by electromagnetic fields.

► Do not place credit cards, storage media, ski passes or other objects sensitive to electromagnetic fields in the mobile phone storage compartment.

**NOTE**
Damage to the mobile phone stowage compartment caused by liquids

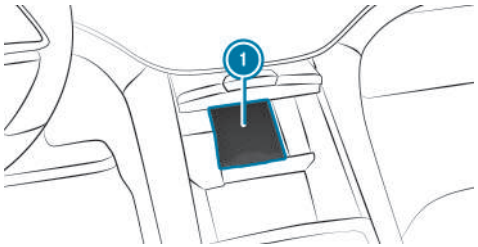
If liquids enter the mobile phone stowage compartment, the compartment may be damaged.

► Ensure that no liquids enter the mobile phone stowage compartment.

Always observe the notes for persons with electronic medical aids .

- Depending on the vehicle equipment, the mobile phone is connected to the vehicle's exterior antenna via the charging module.
- The charging function and wireless connection of the mobile phone to the vehicle's exterior antenna are only available if the vehicle is switched on.
- Small mobile phones may not be able to be charged in every position of the mobile phone tray.
- Large mobile phones which do not rest flat in the mobile phone tray may not be able to be charged or connected with the vehicle's exterior antenna.
- The mobile phone may heat up during the charging process. This may also depend on the applications (apps) currently open in the background.
- To ensure more efficient charging and connection with the vehicle's exterior antenna, remove the protective cover from the mobile phone. This does not apply to protective covers which are required for wireless charging.

It is possible to wirelessly charge a mobile phone in the front storage compartment of the vehicle's center console.




Wireless charging of the mobile phone in the front storage compartment

- Place the mobile phone as close to the center of mat (1) as possible with the display facing up.

When the charging symbol is shown in the multimedia system, the mobile phone is being charged. In addition, malfunctions during the mobile phone's charging process are shown in the multimedia system display.

The mat can be removed for cleaning, e.g. using clean, lukewarm water.

# Installing and removing floor mats

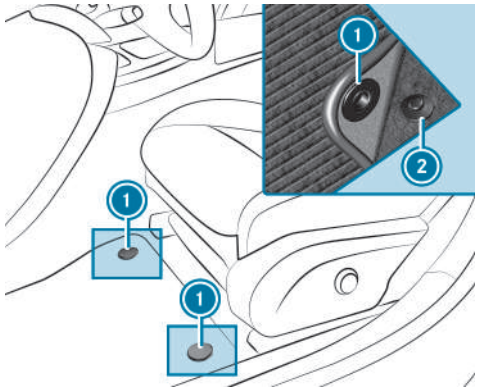
**WARNING**
Risk of accident due to objects in the driver's footwell

Objects in the driver's footwell may impede pedal travel or block a depressed pedal.

This will jeopardize the operating- and road safety of the vehicle.

- Stow all objects in the vehicle securely so that they cannot get into the driver's footwell.
- Make sure that there is always sufficient clearance for the pedals.
- Always install the floor mats securely and as prescribed.
- Do not use loose floor mats and do not place floor mats on top of one another.

## INSTALLING FLOOR MATS




- Slide the corresponding seat backwards and lay the floor mat in the footwell such that it fits flush.
- Press studs (1) onto holders (2).
- Adjust the corresponding seat.

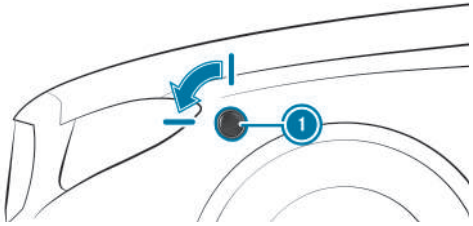
## REMOVING FLOOR MATS

- Slide the corresponding seat backwards and pull the floor mat off holders (2).
- Adjust the corresponding seat.

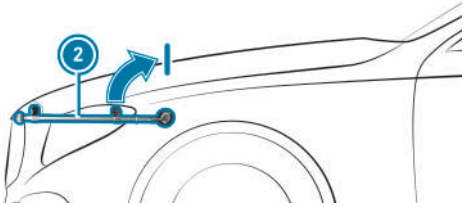
# Installing and removing a pennant staff

## INSTALLING A PENNANT STAFF

The pennant staff is installed and removed in identical fashion on both the driver's and front passenger sides.

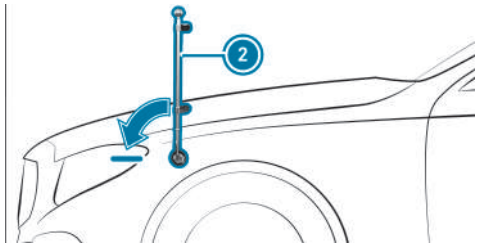



- Press cover (1) and turn it forwards in the direction of travel.
- Remove the cover.

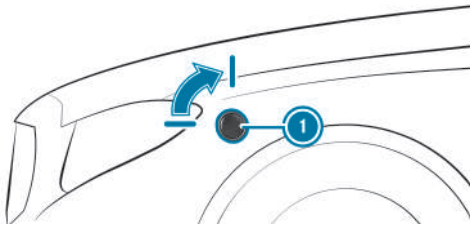



- Position pennant staff (2) horizontally in the opening and press it in.
- Turn pennant staff (2) in the opposite direction to the direction of travel until it is in a vertical position and engages.

## REMOVING A PENNANT STAFF




- Press pennant staff (2) into the opening and turn it forwards in the direction of travel until it is in a horizontal position.
- Remove pennant staff (2).




- Fit cover (1) and turn it backwards in the opposite direction to the direction of travel until it engages.

ⓘ When the pennant staff is not fitted to the vehicle, stow it in a place such as the parcel nets in the trunk.

Back to contents

# Light and visibility

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
You can return here at any time via the navigation bar at the top left.

Exterior lighting
Interior lighting
Windshield wiper and windshield washer system
Mirrors

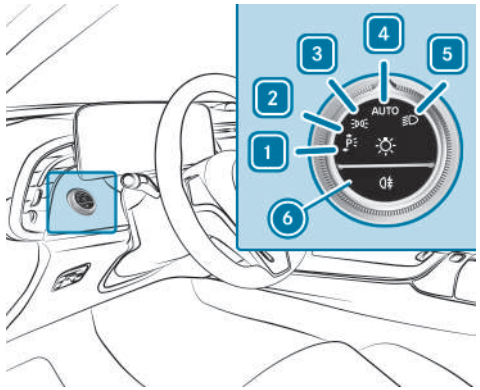
# Exterior lighting

## Information about lighting systems and your responsibility

The various lighting systems of the vehicle are only aids. The driver of the vehicle is responsible for correct vehicle illumination in accordance with the prevailing light and visibility conditions, legal requirements and traffic situation.

## Light switch

### OPERATING THE LIGHT SWITCH




1 ←P≡ Left-hand parking lights
2 P≡→ Right-hand parking lights
3 ≡D○≡ Standing lights and license plate lamp
4 AUTO Automatic driving lights (preferred light switch position)
5 ≡D Low beam/high beam
6 0≠ Activates or deactivates the rear fog light.

When low beam is activated, the ≡D○≡ indicator lamp for the standing lights will be deactivated and replaced by the ≡D low-beam indicator lamp.

- Always park your vehicle safely using sufficient lighting, in accordance with the relevant legal stipulations.

**NOTE**
Battery discharging by operating the parking lamps

Do not have the parking lamps switched on over a period of several hours.

If the battery is insufficiently charged, the standing lights or parking lights will be switched off automatically to facilitate the next engine start.

**THE EXTERIOR LIGHTING (EXCEPT STANDING AND PARKING LIGHTS) WILL SWITCH OFF AUTOMATICALLY WHEN THE DRIVER'S DOOR IS OPENED.**

- Observe the notes on locator lighting (⟶ page 276).

**SWITCHING ON ACCIDENT SCENE LIGHTING**

- Switch off the vehicle.

► Switch on the hazard warning lamps (⟶ page 62).

► Turn the light switch from the AUTO position to the position.
The low beam will be switched on despite the vehicle being switched off.

**THE ACCIDENT SCENE LIGHTING WILL BE SWITCHED OFF IF:**

- you switch off the hazard warning lights.
- you turn the light switch back to AUTO.
- the battery is insufficiently charged.

**AUTOMATIC DRIVING LIGHTS FUNCTION**

When the vehicle is switched on, the standing lights, low beam and daytime running lights will be switched on automatically depending on the ambient light.

**WARNING**
Risk of accident when the low beam is switched off in poor visibility

When the light switch is set to AUTO, the low beam may not be switched on automatically if there is fog, snow or other causes of poor visibility such as spray.

► In such cases, turn the light switch to .

The automatic driving lights are only an aid. You are responsible for the vehicle lighting.

**SWITCHING THE REAR FOG LIGHT ON/OFF**

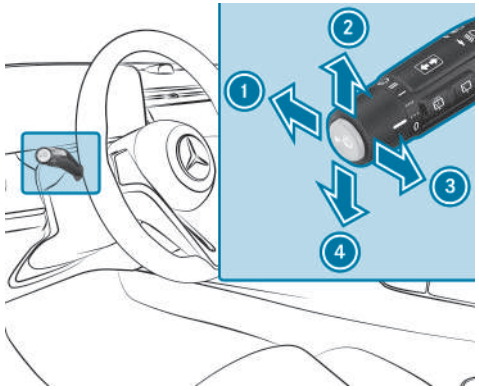
**Requirements**

- The light switch is in the or AUTO position.

► Press button .

Please observe the country-specific laws on the use of rear fog lamps.

## Operating the combination switch for the light




1 High beam
2 Turn signal light, right
3 Headlamp flashing
4 Turn signal light, left

► Use the combination switch to select the desired function.

**SWITCHING ON THE HIGH BEAM**

► Turn the light switch to position or AUTO.

► Push the combination switch in the direction indicated by the arrow 1.
When the high beam is activated, the indicator lamp for the low beam is deactivated and replaced by the indicator lamp for the high beam .

**SWITCHING OFF THE HIGH BEAM**

- Push the combination switch in the direction indicated by arrow 1 or pull in the direction indicated by arrow 3.

**HEADLAMP FLASHING**

- Pull the combination switch in the direction indicated by the arrow 3.

**TURN SIGNAL LIGHT**

- **To indicate briefly:** push the combination switch briefly as far as the pressure point in the direction indicated by arrow 2 or 4.

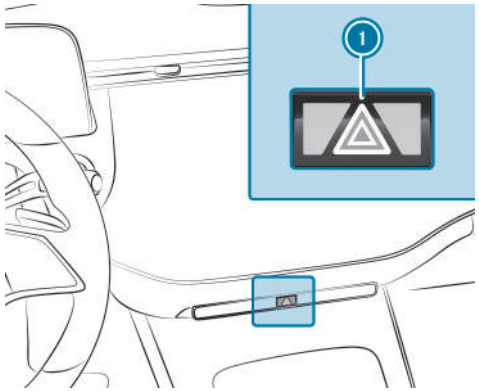
  The corresponding turn signal light flashes three times.

- **To indicate continuously:** push the combination switch beyond the pressure point in the direction indicated by arrow 2 or 4.

  **VEHICLES WITH ACTIVE LANE CHANGE ASSIST:**

  - An indication activated by the driver can be prolonged for the duration of the lane change.
  - If the driver indicated directly beforehand but a lane change was not immediately possible, the turn signal indicator may activate automatically.

## Activating/deactivating the hazard warning lights




- Press the button 1.

**IN THE FOLLOWING SITUATIONS, THE HAZARD WARNING LIGHTS WILL SWITCH ON AUTOMATICALLY:**

- An airbag was deployed.
- An emergency stop has been initiated (⟶ page 417)

## DIGITAL LIGHT adaptive functions

**FUNCTION OF DYNAMIC LOW BEAM**

You can watch an animation on this topic via the following link:

With this system, the headlamps adapt to the driving and weather situation. It also provides extended functions for improved illumination of the road.

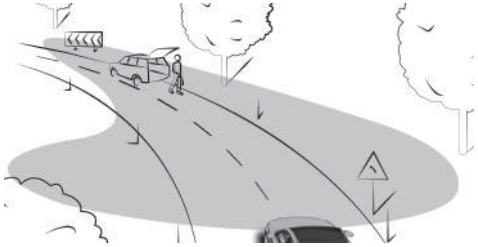
ⓘ The availability of the functions is country-dependent.

**THE SYSTEM COMPRISES THE FOLLOWING FUNCTIONS:**

- Active Headlamps (⟶ page 268)
- Cornering Light (⟶ page 268)
- Highway mode (⟶ page 268)
- Enhanced fog light function (⟶ page 269)
- Bad weather light (⟶ page 269)
- City lighting (⟶ page 269)
- Topographical compensation (⟶ page 269)

The system will be active only when it is dark.

**ACTIVE HEADLAMPS FUNCTION**

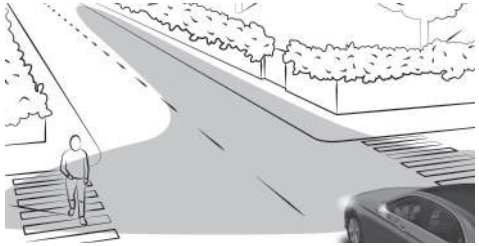


- The headlamps will follow your steering movements.
- Relevant areas will be better illuminated during a journey.

The functions will be active when the low beam is switched on.

Depending on the vehicle's equipment, the course of the lane in which you are driving will also be evaluated and the active headlamps function will adjust the light in advance.

**CORNERING LIGHT FUNCTION**



The cornering light improves the illumination of the road over a wide angle in the turning direction, enabling better visibility on tight bends, for example. The cornering light will be activated only when low beam is switched on.

**THE FUNCTION WILL BE ACTIVE IN THE FOLLOWING CASES:**

- At speeds below 25 mph (40 km/h) when the turn signal light is switched on or the steering wheel is turned
- At speeds between 25 mph (40 km/h) and 43 mph (70 km/h) and when the steering wheel is turned

**Traffic circle and intersection function (Canada):** the cornering light will be activated on both sides based on an evaluation of the vehicle's current navigation position. It will remain active until after the vehicle has left the traffic circle or intersection.

**HIGHWAY MODE FUNCTION (CANADA)**

Highway mode increases the range and brightness of the cone of light, enabling better visibility.



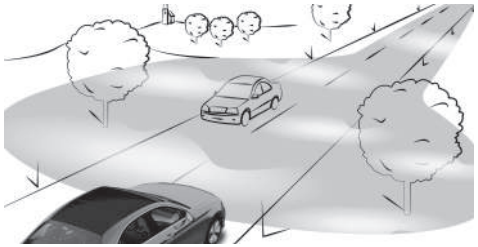
**THE FUNCTION WILL BE ACTIVE IF A HIGHWAY JOURNEY IS DETECTED BY MEANS OF:**

- the vehicle's speed
- the multifunction camera
- the navigation system

**THE FUNCTION WILL NOT BE ACTIVE IN THE FOLLOWING CASES:**

- At speeds below 50 mph (80 km/h)

**ENHANCED FOG LIGHT FUNCTION (CANADA)**
The enhanced fog light function reduces self-dazzling and improves the illumination of the edge of the carriageway.



**THE FUNCTION IS AUTOMATICALLY ACTIVATED UNDER THE FOLLOWING CONDITIONS:**

- At speeds below 43 mph (70 km/h) and when the rear fog light is switched on.

**THE FUNCTION IS AUTOMATICALLY DEACTIVATED UNDER THE FOLLOWING CONDITIONS:**

- When speeds greater than 62 mph (100 km/h) are reached.
- When the rear fog light is switched off.

**FUNCTION OF THE BAD WEATHER LIGHT (CANADA)**
The bad weather light reduces reflections in rainy conditions by dimming individual areas of the headlamps. There will be less glare for the driver and other road users as a result.

**THE CITY LIGHTING FUNCTION (CANADA)**
City lighting improves the illumination of roadsides in urban areas using a broad distribution of light.

**THE FUNCTION WILL BE ACTIVE IN THE FOLLOWING CASES:**

- At low speeds
- In illuminated parts of urban areas

**FUNCTION OF THE TOPOGRAPHICAL COMPENSATION**
Based on available map data, the lighting system responds pre-emptively to different road heights. This means that the headlamp range will remain virtually constant when you are driving uphill or downhill.

ⓘ Only vehicles with a multimedia system with navigation have this function.

**ASSISTANCE FUNCTIONS OF DIGITAL LIGHT**

DIGITAL LIGHT visually expands on the driver assistance systems by projecting the assistant displays in front of the vehicle while it is in motion. DIGITAL LIGHT can therefore help the driver in critical situations.

ⓘ The availability of the functions is country-dependent.

ⓘ The assistance functions of DIGITAL LIGHT may be an on-demand feature (⟶ page 107).

The system will remain active when Highbeam Assist is switched on.

**SPOTLIGHT**

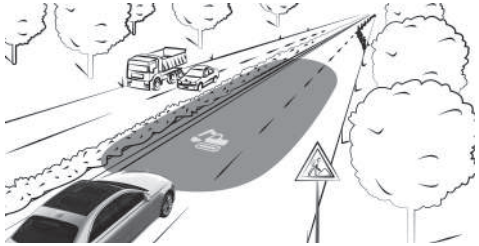


The spotlight function runs in the background and will flash the headlamps in four short bursts at persons detected within the lane markings. You will also be made aware of the position of the person by a projected symbol.

**THE FUNCTION WILL BE ACTIVE IN THE FOLLOWING CIRCUMSTANCES:**

- You are driving in an unlit area.
- The system detects a lane marking.

**NOTES**

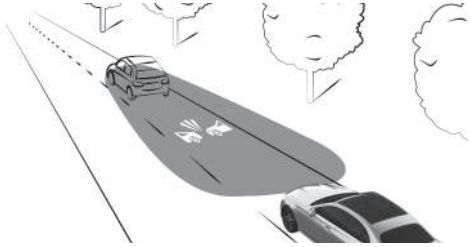


**IF TRAFFIC SIGN ASSIST DETECTS A ROADWORKS ZONE, THE SYSTEM WILL PROVIDE SUPPORT AS FOLLOWS:**

- A corresponding symbol will be projected onto the road when you enter a roadworks zone.

Observe the system limitations of Traffic Sign Assist (⟶ page 430).

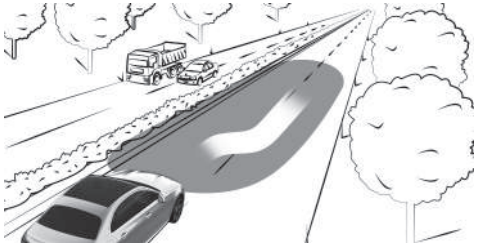
**COLLISION WARNING**



If you fall below the safe distance at speeds of at least 19 mph (30 km/h), a collision warning symbol will be projected onto the road.

Observe the system limitations of Active Brake Assist (⟶ page 424).

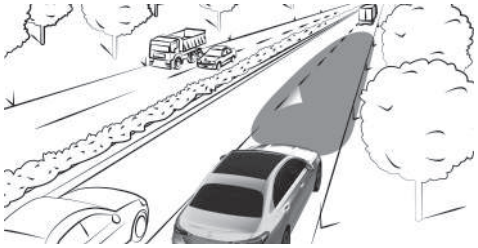
### LANE CHANGE WARNING



During assisted lane changes at speeds of at least 19 mph (30 km/h), the course of the lane change will flash.

Observe the system limitations of Active Lane Change Assist (⟶ page 419).

### LANE KEEPING AND BLIND SPOT WARNING



**AT SPEEDS OF AT LEAST 19 MPH (30 KM/H), A TRIANGLE THAT INDICATES A LANE CORRECTION AND ITS DIRECTION WILL BE PROJECTED ONTO THE ROAD IN THE FOLLOWING CASES:**

- You leave the lane unintentionally.
  Observe the system limitations of Active Lane Keeping Assist (⟶ page 437).
- You switch on the turn signal light while an object or obstacle is in your blind spot.
  Observe the system limitations of Active Blind Spot Assist (⟶ page 434).

### ACTIVATING/DEACTIVATING DYNAMIC LOW BEAM

**Requirements:**

- The vehicle is switched on.

Multimedia system:

Settings » Light » DIGITAL LIGHT

▶ Activate or deactivate Dynamic Low Beam.

### ACTIVATING/DEACTIVATING ENHANCED ASSISTANCE FUNCTIONS

ⓘ Availability of the functions is country-dependent.

ⓘ This function is a Digital Extra (⟶ page 107).

▶ Select Supporting Projections.

▶ Activate or deactivate the desired projections.

▶ Switch Projection for locator lighting/vehicle stop on or off.
If the locator lighting or the exterior switch-off delay time is activated, a high-resolution greeting or farewell animation will be displayed for a short period of time when the vehicle is opened or switched off. You can choose between the Digital Rain and Star Wave animations.

ⓘ More information on locator lighting (⟶ page 276)
More information on the exterior switch-off delay time (⟶ page 275)

# Adaptive Highbeam Assist

## ADAPTIVE HIGHBEAM ASSIST FUNCTION

**WARNING**
Risk of accident despite Adaptive Highbeam Assist

**ADAPTIVE HIGHBEAM ASSIST DOES NOT REACT TO:**

- Road users without lights, e.g. pedestrians
- Road users with poor lighting, e.g. cyclists
- Road users whose lighting is obstructed, e.g. by a barrier

On very rare occasions, Adaptive Highbeam Assist may fail to recognize other road users with their own lighting, or may recognize them too late.

In these, or in similar situations, the automatic high beam will not be deactivated or will be activated despite the presence of other road users.

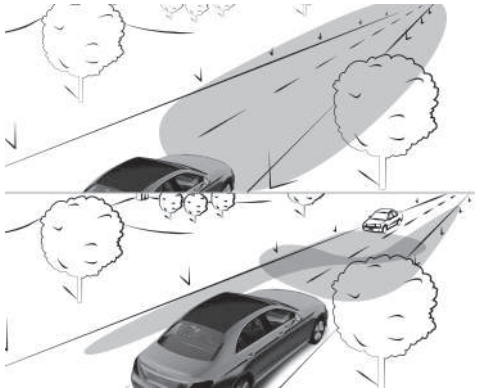
► Always observe the road and traffic conditions carefully and switch off the high beam in good time.

Adaptive Highbeam Assist cannot take into account road, weather, or traffic conditions.

**DETECTION MAY BE RESTRICTED IN THE FOLLOWING CASES:**

- In poor visibility (e.g. fog, heavy rain, or snow)
- If there is dirt on the sensors or the sensors are obscured

Adaptive Highbeam Assist serves solely as an aid. The responsibility for correctly adapting the vehicle's lighting to the prevailing light, visibility, and traffic conditions lies solely with the driver.



**ADAPTIVE HIGHBEAM ASSIST AUTOMATICALLY SWITCHES BETWEEN THE FOLLOWING TYPES OF LIGHT:**

- Low beam
- High beam

**AT SPEEDS ABOVE 19 MPH (30 KM/H):**

- If no other road users are detected, the high beam will switch on automatically.

**THE HIGH BEAM WILL SWITCH OFF AUTOMATICALLY IN THE FOLLOWING CASES:**

- At speeds below 16 mph (25 km/h)
- If other road users are detected
- If street lighting is sufficient

The system's optical sensor is located behind the windshield near the overhead control panel.

**SWITCHING ADAPTIVE HIGHBEAM ASSIST ON/OFF**

**WARNING**
Risk of accident despite Adaptive Highbeam Assist

**ADAPTIVE HIGHBEAM ASSIST DOES NOT REACT TO:**

- Road users without lights, e.g. pedestrians
- Road users with poor lighting, e.g. cyclists
- Road users whose lighting is obstructed, e.g. by a barrier

On very rare occasions, Adaptive Highbeam Assist may fail to recognize other road users with their own lighting, or may recognize them too late.

In these, or in similar situations, the automatic high beam will not be deactivated or will be activated despite the presence of other road users.

- ► Always observe the road and traffic conditions carefully and switch off the high beam in good time.

**SWITCHING ON**

- ► Turn the light switch to the AUTO position.
- ► Switch on high beam using the combination switch.
  If Adaptive Highbeam Assist is activated, the indicator lamp will light up on the driver's display.

**SWITCHING OFF**

- ► Switch off high beam using the combination switch.

## Adaptive Highbeam Assist Plus

**ADAPTIVE HIGHBEAM ASSIST PLUS FUNCTION (CANADA)**

**WARNING**
Risk of accident despite Adaptive Highbeam Assist Plus

**ADAPTIVE HIGHBEAM ASSIST PLUS DOES NOT REACT TO:**

- Road users without lights, e.g. pedestrians
- Road users with poor lighting, e.g. cyclists
- Road users whose lighting is obstructed, e.g. by a barrier

On very rare occasions, Adaptive Highbeam Assist Plus may fail to recognize other road users with their own lighting, or may recognize them too late.

In these, or in similar situations, the automatic high beam will not be deactivated or will be activated despite the presence of other road users.

- ► Always observe the road and traffic conditions carefully and switch off the high beam in good time.

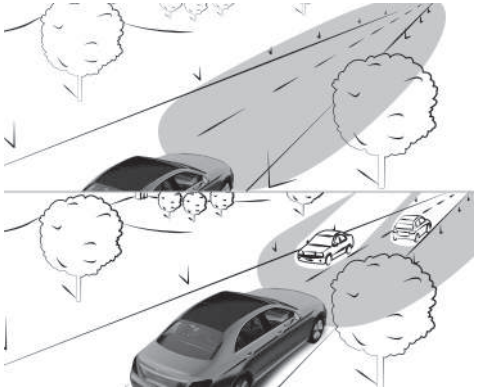
Adaptive Highbeam Assist Plus cannot take into account road, weather or traffic conditions.

**DETECTION MAY BE RESTRICTED IN THE FOLLOWING CASES:**

- in poor visibility, e.g. fog, heavy rain or snow

- if there is soiling on the sensors or the sensors are obscured

Adaptive Highbeam Assist Plus is only an aid. You are responsible for adjusting the vehicle's lighting to the prevailing light, visibility and traffic conditions.



**ADAPTIVE HIGHBEAM ASSIST PLUS AUTOMATICALLY SWITCHES BETWEEN THE FOLLOWING TYPES OF LIGHT:**

- Low beam
- Partial high beam
- High beam
- ULTRA RANGE Highbeam

ULTRA RANGE Highbeam increases the brightness of the cone of light close to the legally permitted maximum.

Partial high beam does not include other road users in the high beam area. It does not dazzle them but enables full high-beam illumination for the driver apart from the excluded vehicles. Highly reflective signs are also illuminated with reduced brightness.

**AT SPEEDS BELOW 16 MPH (25 KM/H) OR WHEN THERE IS SUFFICIENT STREET LIGHTING:**

- Partial high beam and high beam will be switched off automatically.

**AT SPEEDS ABOVE 19 MPH (30 KM/H):**

- If no other road users are detected, the high beam will be switched on automatically.
- If other road users are detected, partial high beam will be switched on automatically.

**AT SPEEDS BELOW 25 MPH (40 KM/H):**

- ULTRA RANGE Highbeam will switch off automatically.

**AT SPEEDS ABOVE 31 MPH (50 KM/H):**

- If no other road users are detected, the road is straight and it is not raining heavily, ULTRA RANGE Highbeam will be switched on automatically.
- If other road users are detected, partial high beam will be switched on automatically.
- If highly reflective signs are detected, ULTRA RANGE Highbeam will be switched off automatically.

ⓘ The system's optical sensor is located behind the windshield near the overhead control panel.

### SWITCHING ADAPTIVE HIGHBEAM ASSIST PLUS ON/OFF (CANADA)

**WARNING**
Risk of accident despite Adaptive Highbeam Assist Plus

**ADAPTIVE HIGHBEAM ASSIST PLUS DOES NOT REACT TO:**

- Road users without lights, e.g. pedestrians
- Road users with poor lighting, e.g. cyclists
- Road users whose lighting is obstructed, e.g. by a barrier

On very rare occasions, Adaptive Highbeam Assist Plus may fail to recognize other road users with their own lighting, or may recognize them too late.

In these, or in similar situations, the automatic high beam will not be deactivated or will be activated despite the presence of other road users.

► Always observe the road and traffic conditions carefully and switch off the high beam in good time.

### SWITCHING ON

► Turn the light switch to the AUTO position.

► Switch on high beam using the combination switch.

If Adaptive Highbeam Assist Plus is activated, the indicator lamp will light up on the driver's display. When partial high beam or high beam is active, the corresponding blue indicator lamp will also light up.

### SWITCHING OFF

► Switch off high beam using the combination switch.

## Setting low beam

Multimedia system:

Settings » Light » DIGITAL LIGHT » Low Beam

► Select Right-side Traffic, Left-side Traffic or Automatic.

## Switching the daytime running lights on/off

Multimedia system:

Settings » Light » DIGITAL LIGHT

► Switch the daytime running lights on or off.

ⓘ In vehicles without DIGITAL LIGHT headlamps, the daytime running lights can be switched on or off in the Driving lights menu.

ⓘ Availability of the function is dependent on the respective country of use.

## Setting the exterior lighting switch-off delay time

Multimedia system:

Settings » Light » Interior/Exterior Lighting » Exterior Lighting Switch-off Delay

► Set a switch-off delay time.

When the vehicle's engine is switched off, the exterior lighting will be activated for the set time.

# Activating/deactivating locator lighting

Multimedia system:

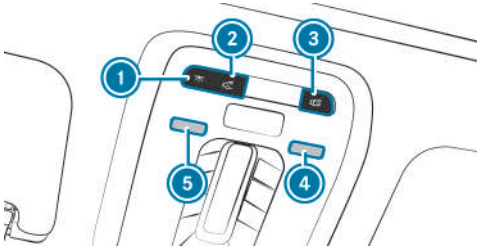
Settings » Light » Interior/Exterior Lighting

- Activate or deactivate Locator Lighting.

The exterior lighting will light up for 40 seconds after the vehicle is unlocked or the driver's door is opened when the vehicle is not locked. When you start the vehicle, the locator lighting will be deactivated and the automatic driving lights activated.

# Interior lighting

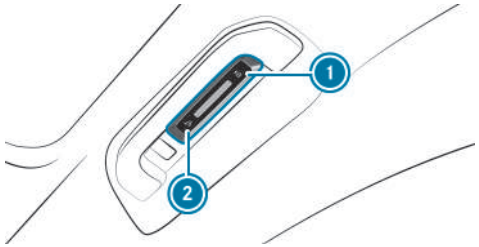
## Adjusting the interior lighting




1 Switches the front interior lighting on/off.
2 Switches the rear interior lighting on/off.
3 Switches automatic interior lighting control on/off.
4 and 5 Switch the reading lamps on/off.

- Depending on the respective vehicle version, it is possible to dim the front and rear interior lighting, as well as the reading lamps, by holding the respective button pressed.
- Press again to switch off the respective lighting.

**OPERATING UNIT INSIDE THE GRAB HANDLE (REAR PASSENGER COMPARTMENT)**




1 Reading lamp on the respective side of the vehicle
2 Rear interior lighting

- **To switch the reading lamps on:** press the button 1.

  The reading lamp, the interior lighting in the grab handle and the dome lamp on the respective side of the vehicle will light up.

- **To switch the reading lamps off:** press the button 1 once or twice.

  When you press it once, the interior lighting in the grab handle and the dome lamp on the respective side of the vehicle will go out.

  When you press it twice, the reading lamp on the respective side of the vehicle will go out.

- **To switch the rear interior lighting on/off:** press the button 2.

  The reading lamps, the interior lighting in the grab handle and the dome lamps on both sides of the vehicle will light up or go out.

# Adjusting the ambient lighting

Multimedia system:

Comfort » Ambient Light

**SETTING THE COLOR**

- Select Color.
- Select Monochrome or Multi-color.
- Set the desired color or color scheme.

**ADJUSTING THE BRIGHTNESS**

- Select Brightness.
- Adjust the brightness.

Depending on the ambient light conditions, the ambient lighting will automatically switch between day and night mode.

**ACTIVATING THE BRIGHTNESS FOR ZONES**

- Select Brightness.
- Switch off Link Zones .

  The Direct, Indirect and Accents zones can be set separately.

The Light Band zone can also be set in vehicles with active ambient lighting.

**ACTIVATING EFFECTS**

**WARNING**
Risk of accident if effects of ambient lighting and active ambient lighting not enabled

The Warning Support features will be fully activated only if the appropriate driving or driving safety systems are enabled on the driver assistance menu.

- Make sure that the appropriate driving or driving safety systems are enabled.

Observe the notes on driving systems and the notes on your responsibility to identify potentially hazardous situations in good time (⟶ page 391).

- Select Effects.
- Activate the desired effect.

Different effects will be available depending on the respective vehicle equipment.

**OPERATING FEEDBACK EFFECTS**

- Climate: If changes are made to the temperature setting in the vehicle, the color of the ambient light will change briefly.
- Voice Assistant: In vehicles with active ambient lighting, the voice assistant will be visually animated.

- Greeting: When you get into the vehicle, a special color animation will play.

**WARNING ASSISTANCE EFFECTS**

- Warning When Exiting: If an object is detected in the blind spot while you are getting out of the vehicle, the ambient lighting on the affected door will flash red.

  Further information on the exit warning (⟶ page 434).
- Active Lane Keeping Assist: If there is a warning from Active Lane Keeping Assist, the active ambient lighting will flash red.
- Active Brake Assist: If there is an Active Brake Assist warning, the active ambient lighting in the center of the cockpit will flash bright red.

  Further information on Active Brake Assist (⟶ page 424).
- Active Blind Spot Assist: In vehicles with active ambient lighting, the ambient lighting on the affected side will flash red if there is a warning from Active Blind Spot Assist.

  Further information on Active Blind Spot Assist (⟶ page 434).
- Parking Assist PARKTRONIC: The information from the parking sensors during parking maneuvers will be displayed in color.

  Further information on Parking Assist PARKTRONIC: (⟶ page 449)

MULTI-COLOR ANIMATION

- The set color combination will change at predefined intervals.

SOUND VISUALIZATION

- Depending on the selected light color, the sound visualization function visually accentuates the sound content being played.

ⓘ In vehicles with active ambient lighting, an animation will be played.

ⓘ The desired operating feedback effects and warning assistance effects can be activated or deactivated in the menu that is called up via the symbol ⚙. Depending on the respective equipment, different operating feedback effects and warning assistance effects are available.

ⓘ If the brightness is set to a low level, warning animations will be displayed at a higher standard brightness.

You can watch an animation on this topic via the following link:

## Switching the interior lighting switch-off delay time on/off

Multimedia system:

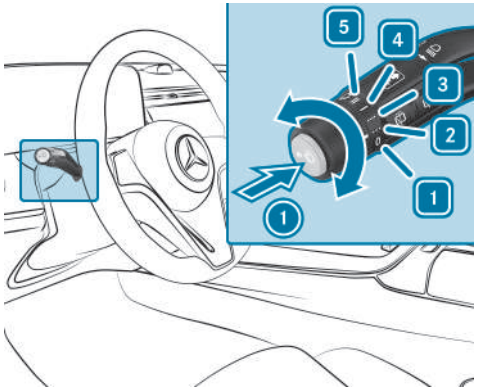
⌂ ▸▸ Settings ▸▸ Light ▸▸ Interior/exterior lighting ▸▸ Interior Lighting Switch-off Delay

► Activate or deactivate Interior Lighting Switch-off Delay.

If this function is active, the interior lighting will be switched on for a short time after the end of the journey.

# Windshield wiper and windshield washer system

## Switching the windshield wipers on/off




1 0 Windshield wipers off
2 ••• Automatic wiping, normal
3 •••• Automatic wiping, frequent
4 — Continuous wiping, slow
5 = Continuous wiping, fast

- Turn the combination switch to the corresponding position 1 - 5.
- **Single wipe:** press button (1) as far as the pressure point.
- **Wiping with washer fluid:** press button (1) beyond the pressure point.

ⓘ Observe the notes on washing the vehicle in a car wash (→ page 40).

## Replacing the windshield wiper blades

**WARNING**
Risk of becoming trapped if the windshield wipers are switched on while wiper blades are being replaced

If the windshield wipers begin to move while you are changing the wiper blades, you can be trapped by the wiper arm.

- Always switch off the windshield wipers and vehicle before changing the wiper blades.

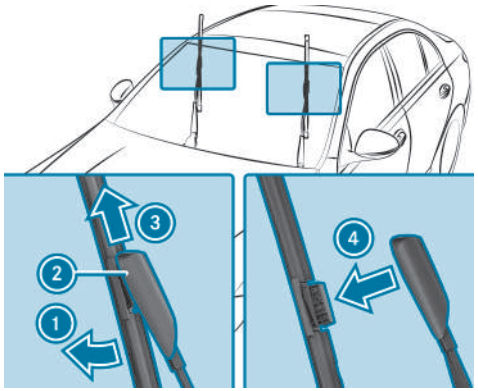
**MOVING THE WIPER ARMS INTO THE REPLACEMENT POSITION**

- Switch the vehicle on and then off again immediately.
- Within around 15 seconds, press and hold the button on the combination switch for approximately three seconds (→ page 280).

  The wiper arms move into the replacement position.

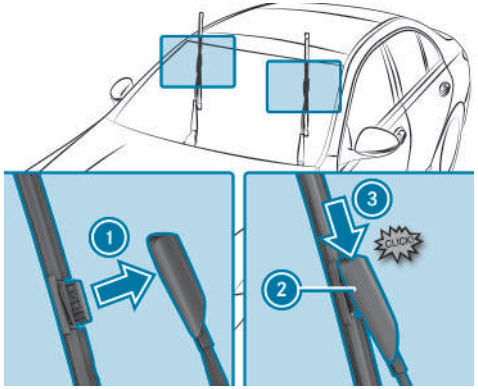
**REMOVING THE WIPER BLADES**

- Fold the wiper arms away from the windshield.




- Hold the wiper arm with one hand. With the other hand, turn the wiper blade away from the wiper arm in the direction indicated by the arrow 1 as far as it will go.
- Slide the catch 2 in the direction indicated by the arrow 3 until it engages in the removal position.
- Remove the wiper blade from the wiper arm in the direction indicated by the arrow 4.

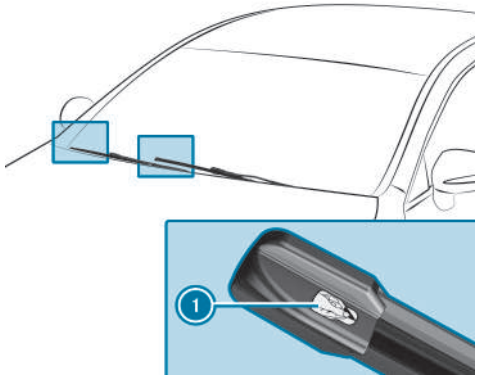
**FITTING THE WIPER BLADES**




- Insert the new wiper blade into the wiper arm in the direction indicated by the arrow 1.
- Slide the catch 2 in the direction indicated by the arrow 3 until it engages in the locking position.
- Ensure that the wiper blade is seated correctly.
- Fold the wiper arms back onto the windshield.
- Switch on the vehicle.
- Press the button on the combination switch.
  The wiper arms will return to their original positions.
- Switch off the vehicle.

**SERVICE INDICATOR**

There is a service indicator at the tip of the newly mounted wiper blades.




- Remove the protective film 1 from the service indicator.

When the color of the service indicator changes from black to yellow, the wiper blades should be replaced.

# Mirrors

## Operating the outside mirrors

**WARNING**
Risk of accident due to adjusting the vehicle settings while the vehicle is in motion

**YOU COULD LOSE CONTROL OF THE VEHICLE IN THE FOLLOWING SITUATIONS IN PARTICULAR:**

- If you adjust the driver's seat, the head restraint, the steering wheel or the mirror while the vehicle is in motion
- If you fasten your seat belt while the vehicle is in motion

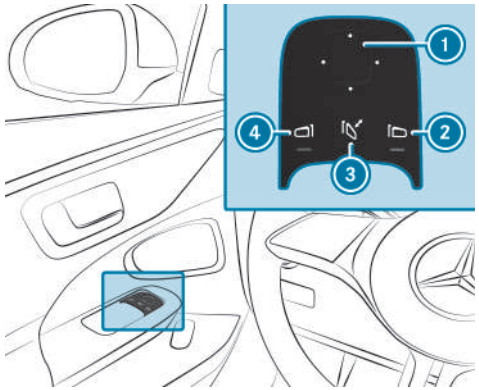
► Before starting the vehicle: in particular, adjust the driver's seat, head restraint, steering wheel and mirror, and fasten your seat belt.

**WARNING**
Risk of accident due to misjudgment of distance when using the front-passenger mirror

The outside mirror on the front passenger side reflects objects on a smaller scale. The objects in view are in fact closer than they appear.

► Therefore, always look over your shoulder to check the actual distance between you and the road users traveling behind you.

**ADJUSTING THE OUTSIDE MIRRORS**




► Use button (2) or (4) to select the desired mirror.

ⓘ In vehicles with MBUX Interior Assistant and driver camera, the required outside mirror can also be preselected automatically via a natural head movement to the left or right(⟶ page 532).

► Use button (1) to adjust the position of the selected mirror.

**FOLDING THE OUTSIDE MIRRORS IN/OUT (VEHICLES WITH ELECTRICALLY FOLDING OUTSIDE MIRRORS)**

► Briefly press button (3).

If the battery has been disconnected or has discharged, the outside mirrors must be moved briefly using button (3). Only then will the automatic mirror folding function work properly.

**ENGAGING THE OUTSIDE MIRRORS**

If an outside mirror has been forcibly disengaged, proceed as follows.

- Vehicles without electrically folding outside mirrors: manually move the outside mirror into the correct position until it audibly engages.
- Vehicles with electrically folding outside mirrors: press and hold button (3).

  You will hear a click and the mirror will audibly engage. The outside mirror will now be set to the correct position.

## Function of the automatic anti-glare mirrors

**WARNING**

Risk of acid burns and poisoning due to the anti-glare mirror electrolyte

Electrolyte may escape if the glass in an automatic anti-glare mirror breaks.

The electrolyte is hazardous to health and causes irritation. It must not come into contact with your skin, eyes, respiratory organs or clothing or be swallowed.

- If you come into contact with electrolyte, observe the following:
  - Immediately rinse the electrolyte from your skin with water and seek medical attention.
  - If electrolyte comes into contact with your eyes, immediately rinse them thoroughly with clean water and seek medical attention.
  - If the electrolyte is swallowed, immediately rinse your mouth out thoroughly. Do not induce vomiting. Seek medical attention immediately.
  - Immediately change out of clothing which has been contaminated with electrolyte.
  - If an allergic reaction occurs, seek medical attention immediately.

Depending on the vehicle equipment, the inside mirror and the outside mirror on the driver's side will automatically go into anti-glare mode if light from a headlamp hits the sensor on the inside mirror.

**SYSTEM LIMITS**

**THE SYSTEM WILL NOT GO INTO ANTI-GLARE MODE IF:**

- The vehicle is switched off.
- Reverse gear is engaged.
- The interior lighting is switched on.

## Front-passenger outside mirror parking position function

The parking position makes parking easier.

**THE FRONT-PASSENGER OUTSIDE MIRROR WILL SWIVEL DOWNWARDS IN THE DIRECTION OF THE REAR WHEEL ON THE FRONT PASSENGER'S SIDE WHEN:**

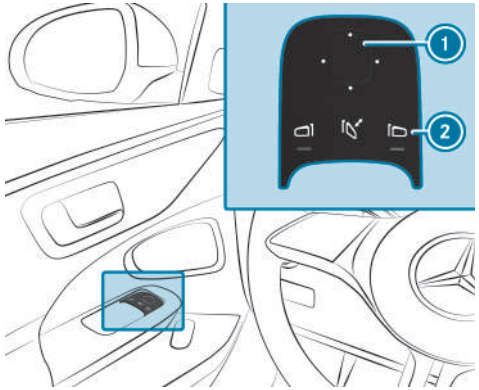
- The parking position is stored (⟶ page 284).
- The front-passenger mirror is selected.
- Reverse gear is engaged.

**THE FRONT-PASSENGER OUTSIDE MIRROR WILL MOVE BACK TO ITS ORIGINAL POSITION WHEN:**

- You shift the transmission to another transmission position.
- You are traveling at a speed greater than 9 mph (15 km/h).
- You press the button for the outside mirror on the driver's side.

## Storing the parking position of the front-passenger outside mirror using reverse gear

**STORING**




- ► Select the front-passenger outside mirror using button (2).
- ► Engage reverse gear.
- ► Move the front-passenger outside mirror into the desired parking position using button (1).

**CALLING UP**

- ► Select the front-passenger outside mirror using button (2).
- ► Engage reverse gear.

  The front-passenger outside mirror will move into the stored parking position.

# Activating/deactivating the automatic mirror folding function

Multimedia system:

→ Settings » Vehicle » Opening/closing

► Activate or deactivate Automatic Mirror Folding.

# Climate control

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
You can return here at any time via the navigation bar at the top left.

Overview of climate control systems

Operating the climate control system

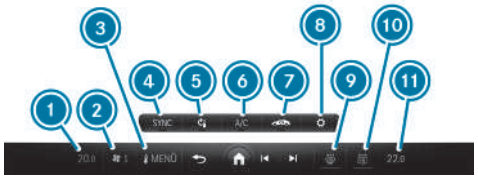
# Overview of climate control systems

## Notes on climate control

An interior air filter in combination with the prefilter in the engine compartment must always be used so that the air conditioning system, pollution level monitoring and the air filtration work correctly. Use filters recommended and approved by Mercedes-Benz. Always have maintenance work carried out at a qualified specialist workshop.

## Overview of the THERMATIC climate bar

The indicator lamps indicate that the corresponding function is activated.




Front climate bar on the central display (example). The climate bar is displayed according to the respective settings.

1. Increases/reduces the temperature (driver's side)
2. Increases or reduces the airflow or switches on climate control (driver's side)(⟶ page 290)
3. MENU Calls up the air conditioning menu (⟶ page 292)
4. SYNC Synchronization function (⟶ page 295)
5. Switches climate control on/off (⟶ page 290)
6. A/C Switches the A/C function on/off (⟶ page 293)
7. Switches air-recirculation mode on/off (⟶ page 295)
8. Settings
9. MAX Defrosts the windshield
10. Example: REAR switches the rear window heater on/off. This button can be assigned individually under Settings.
11. Increases/reduces the temperature (front passenger side)

If the blower is operating at full capacity, airflow is reduced automatically for an incoming phone call. The airflow can still be adjusted manually via 2.

Availability of individual functions depends on the respective equipment and country of use.

## Overview of the THERMOTRONIC climate bar

The indicator lamps indicate that the corresponding function is activated.




Front climate bar on the central display (example). The climate bar is displayed according to the respective settings.

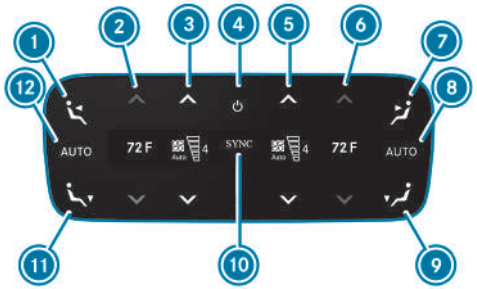
1. Increases/reduces the temperature (front left)
2. Increases or reduces the airflow or switches on climate control (front left) (⟶ page 290)
3. MENU Calls up the air conditioning menu (⟶ page 292)
4. SYNC Synchronization function (⟶ page 295)
5. Switches climate control on/off (⟶ page 290)
6. A/C Switches the A/C function on/off (⟶ page 293)
7. Switches air-recirculation mode on/off (⟶ page 295)
   or Activates/deactivates residual heat utilization (⟶ page 296)
8. Settings
9. MAX Defrosts the windshield
10. Example: REAR Switches the rear window heater on/off. This button can be assigned individually under Settings.
11. Increases or reduces the airflow or switches on climate control (front right) (⟶ page 290)
12. Increases/reduces the temperature (front right)

ⓘ If the blower is operating at full capacity, airflow is reduced automatically for an incoming phone call in order to minimize noise sources as much as possible. The airflow can be adjusted again via 2 or 11 .

ⓘ Availability of individual functions depends on the respective equipment and country of use.

## Overview of the rear operating unit

The rear operating unit is available only for vehicles with the THERMOTRONIC air conditioning control panel.




Example: USA

1. Sets air distribution to the center and side air vents in the rear passenger compartment, left
2. Sets the temperature in the rear passenger compartment, left
3. Sets the airflow in the rear passenger compartment, left, or switches climate control on/off (⟶ page 290)
4. Switches climate control on/off (⟶ page 290)
5. Sets the airflow in the rear passenger compartment, right, or switches climate control on/off (⟶ page 290)
6. Sets the temperature in the rear passenger compartment, right

7 Sets air distribution to the center and side air vents in the rear passenger compartment, right
8 Sets rear climate control to automatic mode, right (→ page 294)
9 Sets the air distribution to the right rear passenger compartment footwell vents
10 Synchronization is activated (→ page 295)
11 Sets the air distribution to the rear passenger compartment left footwell vents
12 Sets rear climate control to automatic mode, left (→ page 294)

The settings for the second row of seats can be configured via the rear operating unit or the multimedia system (→ page 295) depending on the vehicle's equipment.

# Operating the climate control system

## Switching climate control on/off

**SWITCHING ON CLIMATE CONTROL**

- Set the airflow to level 1 or higher via [fan] on the climate bar on the central display.

or

- Press and hold [MENU].

or

- Select [MENU] and then press [power].

or

- Press [AUTO].

**SWITCHING OFF CLIMATE CONTROL**

- Set the airflow to level 0 via [fan] on the climate bar on the central display.

or

- Press [power].

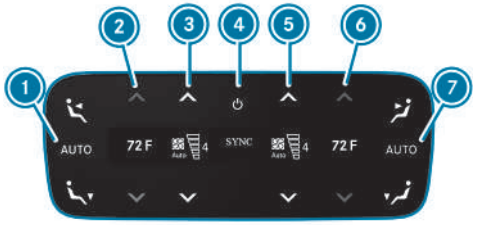
If climate control is switched off, the windows may fog up more quickly. Switch climate control off only briefly.

If you switch off climate control by pressing [power], fragrancing, if enabled, will also be switched off automatically.

If climate control is switched off via [power], **OFF** will be shown on the climate bar.

## Switching climate control on/off via the rear operating unit

**SWITCHING ON**




Example: USA

► Press button 4.

or

► Set the airflow to level 1 or higher using buttons 3 and 5.

or

► Press buttons 2, 6, 1 or 7.

**SWITCHING OFF**

► Press button 4.

or

► Set the airflow to level 0 using buttons 3 and 5.

ⓘ If rear climate control is switched off via button 4, **OFF** will be shown on the displays.

## Configuring the climate bar

Multimedia system:

→ Climate Menu ▶▶ First Row of Seats

On the climate menu, you can choose between the different assignments for the freely configurable button on the climate bar.

**THE FOLLOWING ASSIGNMENTS ARE AVAILABLE ON THE CLIMATE MENU:**

- PM2.5 Air quality
- Recirculated air
- A/C A/C function
- SYNC Synchronization function
- REAR Rear window defroster

ⓘ Functions that are not permanently set on the climate bar are available on the climate menu.

► Select ☼.

► Select the desired function for the button in the window.
The function will be applied to the button.

ⓘ You can also access the window for assigning the button directly by pressing and holding the button once.

## Setting the temperature and airflow

**CALLING UP THE CONTROLLER FOR THE TEMPERATURE AND AIRFLOW**

► To call up the controller: press the temperature displayed or on the climate bar of the central display.

or

► Swipe on the temperature displayed or on the climate bar of the central display.

**SETTING THE TEMPERATURE**

► Press the temperature display on the climate bar.

► To increase the temperature: press ⊕ or move the controller. Press and hold ⊕ to set the temperature to the maximum.

- To lower the temperature: press ⊖ or move the controller. To switch off climate control, press and hold ⊖.

ⓘ The temperature for the driver's and front passenger side can be operated only one after the other.

**SETTING THE AIRFLOW**

- Press [fan] on the climate bar on the central display.
- To increase the airflow: press ⊕ or move the controller. Press and hold ⊕ to set the airflow to the maximum.
- To reduce the airflow: press ⊖ or move the controller. To switch off the airflow, press and hold ⊖.

ⓘ The airflow will remain active if the AUTO function is activated.

## Activating/deactivating the A/C function via the climate bar

The A/C function heats, cools and dehumidifies the vehicle's interior air.

- Press [A/C] on the climate bar on the central display.

ⓘ Switch off the A/C function only briefly, otherwise the windows may fog up more quickly.
Condensation may drip from the underside of the vehicle when cooling mode is active. This is not indicative of a malfunction.

## Calling up the air conditioning menu using the climate bar

The air conditioning menu can be called up via the climate bar. The climate bar is always shown on the lower edge of the central display.

- Select the Climate Menu entry in the air conditioning bar.
  The First Row of Seats menu is opened.

**JUMPING DIRECTLY TO THE AIR QUALITY MENU**

- Select the [PM2.5] fine particle status display in the air conditioning bar.
  The Air Quality menu is opened. An animation of the automatic air cleaning taking place is shown.

ⓘ The fine particle status display is on the home screen next to the temperature display on the right and it informs you of the current particulate levels inside and outside of the vehicle.
The measurement values are shown with the µg/m$^3$ units (micrograms per cubic meter).

ⓘ The availability of individual functions depends on the country and equipment.

## Defrosting the windshield via the climate bar

**SWITCHING ON**

- Press [MAX] on the climate bar on the central display.

**SWITCHING OFF**

- Press MAX, AUTO or on the climate bar on the central display.

or

- Set the airflow to 0.

When the defrost function is activated via MAX, some functions (e.g. the temperature setting or the air distribution) will be automatically deactivated.

## Activating/deactivating the A/C function via the air conditioning menu

Multimedia system:

Climate Menu >> First Row of Seats

Depending on the external conditions, support for improved cooling and dehumidification of the interior air will be provided when the A/C function is activated. If it is not possible to operate the A/C function on the climate bar on the central display, switch the function on or off in the air conditioning menu of the central display.

- Select A/C (A/C).

Switch off the A/C function only briefly. Otherwise, the windows may mist up more quickly.

Condensation may drip from the underside of the vehicle when cooling mode is active. This is not indicative of a malfunction.

## Switching the steering wheel heater on or off via the air conditioning menu

Multimedia system:

Climate Menu >> First Row of Seats

- Select .

  The indicator lamp lights up when the steering wheel heater is switched on.

## Setting climate control to automatic mode

In automatic mode, the set vehicle interior temperature is controlled automatically and maintained at a constant level by the air supply.

- Press on the climate bar on the central display and then select AUTO.

You can increase or reduce the airflow via a controller by pressing on the climate bar of the multimedia system. The airflow will automatically be reduced in the event of an incoming call. You will still be able to adjust the airflow manually by pressing . In automatic mode, five levels can be set via the controller and seven levels can be set without automatic mode.

- **To switch to manual operation:** switch off automatic mode or adjust the air distribution, e.g. .

## Setting climate control to automatic mode via the rear operating unit

In automatic mode, the temperature is automatically regulated by the temperature of the dispensed air and the airflow.




Example: USA

- Press button (1).

## Overview of the air distribution settings

**THE SYMBOLS ON THE CENTRAL DISPLAY INDICATE THE VENTS THROUGH WHICH THE AIRFLOW IS BEING DIRECTED:**

- Defroster vents
- Center and side air vents
- Footwell vents

## Setting air distribution and air vents using the air conditioning menu

Multimedia system:

Climate Menu

**SETTING THE AIR DISTRIBUTION**

- Select First Row of Seats or Second Row of Seats.
- Select an air distribution option using the , or buttons.
- Set the airflow.

When the air conditioning system is switched on, at least one zone is always active. However, several air distribution options can be selected at the same time, for example to set the climate control for the vehicle interior and the footwells simultaneously. The climate control for the windshield can only be selected for the first seat row. When automatic mode is active, the buttons for setting the air distribution are automatically deactivated. If the air conditioning system is switched off, the buttons can still be operated and the last setting is saved.

# Setting rear climate control using the air conditioning menu

Multimedia system:

Climate Menu

**SETTING THE TEMPERATURE**

- Select Second Row of Seats.
- Set the temperature.

**SETTING THE AIRFLOW**

- Select Second Row of Seats.
- Set the air flow with ▲ or ▼.

**CONTROLLING THE REAR CLIMATE CONTROL AUTOMATICALLY**

- Select AUTO.

ⓘ When the defrost function is activated, some functions (e.g. the temperature setting) will automatically be deactivated. To deactivate the defrost function, press either MAX, AUTO or set the air flow to level 0 (→ page 292).

# Switching the synchronization function on/off via the air conditioning menu

Multimedia system:

Climate Menu » First Row of Seats

The synchronization function controls the climate control centrally. The driver's settings for temperature, airflow and air distribution are automatically adopted for each climate zone.

- Select SYNC (SYNC).

# Defrosting the windows

**WINDOWS FOGGED UP ON THE INSIDE**

- Press the climate bar on the central display and then select AUTO.
- If the windows remain fogged up: press MAX on the climate bar on the central display.

**WINDOWS FOGGED UP ON THE OUTSIDE**

- Switch on the windshield wipers.
- Press the climate bar on the central display and then select AUTO.

# Switching air-recirculation mode on/off

**REQUIREMENTS:**

- The THERMOTRONIC air conditioning control panel is available.

► Press  on the climate bar on the central display.
The interior air is recirculated.

Air-recirculation mode will automatically switch to fresh air mode after a while.

ⓘ The windows may fog up more quickly with air-recirculation mode switched on. Do not have air-recirculation mode switched on for long periods.

## Switching residual heat mode on/off via the climate bar

**Requirements:**

- The residual heat function is available.
- The vehicle is parked.
- The coolant temperature is sufficiently high.

It is possible to make use of the residual heat from the engine to continue heating or ventilating the front compartment of the vehicle for approximately 30 minutes, depending on the temperature set.

► **To switch on or off:** select Residual Heat on the climate bar of the central display.

The residual heat function will automatically switch off after a while.

ⓘ If residual heat utilization is activated, the two buttons for setting the temperature and air distribution will automatically be deactivated.

## Activating/deactivating ionization

Multimedia system:

→ Climate Menu ⏩ Air Quality

When ionization is activated, the air in the vehicle interior is enriched with negatively charged oxygen ions. These can promote the well-being of the vehicle occupants.

► Select Ionization.

ⓘ The function can be performed only if AUTO mode is activated or the air distribution is set to the side air vent. The function is restricted if the side air vents on the driver's side are closed.

## Fragrance system

**ACTIVATING/DEACTIVATING THE FRAGRANCE SYSTEM USING THE MULTIMEDIA SYSTEM**

**Requirements:**

- Automatic climate control is activated.
- The glove box is closed.
- A flacon is inserted.

Multimedia system:

→ Climate Menu ⏩ Air Quality

The fragrance system distributes a pleasant fragrance throughout the vehicle interior from a flacon located in the glove compartment.

- ► Navigate down until the climate control bar is active.
- ► Select Fragrance.
- ► Activate or deactivate fragrancing.

**SETTING THE FRAGRANCE SYSTEM**

**Requirements:**

- The climate control system is switched on.
- The glove box is closed.
- A flacon is inserted.

Multimedia system:

→ Climate Menu ▶▶ Air Quality

- ► Select Fragrance.
- ► Continue pressing until the desired intensity is reached.

**INSERTING/REMOVING THE FLACON OF THE FRAGRANCE SYSTEM**

**WARNING**
Risk of injury from liquid perfume

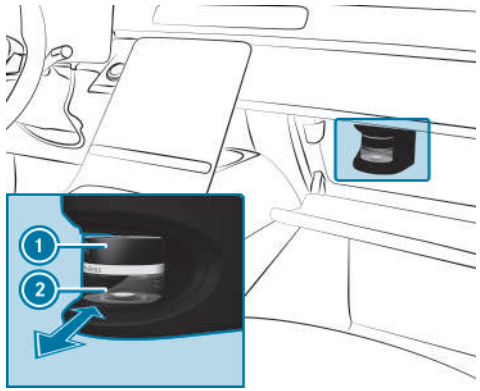
If children open the flacon, they could drink the liquid perfume or it could come into contact with their eyes.

- ► Do not leave children unattended in the vehicle.
- ► Consult a doctor immediately if liquid perfume has been drunk.
- ► If liquid perfume comes into contact with your eyes or skin, rinse your eyes with clean water.
- ► If symptoms continue, consult a doctor.

**ENVIRONMENTAL NOTE**
Environmental damage due to improper disposal of full flacons

Full flacons must not be disposed of together with household waste.

- ► Hand in full flacons at a pollutant collection point.




1 Cap
2 Flacon

- ► **To insert:** slide the flacon into the holder as far as it will go.
- ► **To remove:** After opening the glove compartment, wait for approximately seven seconds and pull out the flacon.

If you do not use genuine Mercedes-Benz interior perfumes, observe the manufacturers' safety notes on the fragrance packaging.

Dispose of the genuine Mercedes-Benz interior fragrance flacon when it is empty and do not refill it.

**REFILLABLE FLACON**

- ► Unscrew the cap of the empty flacon.
- ► Fill the flacon with a maximum of 0.5 fl. oz. (15 ml).
- ► Screw the cap back onto the flacon.

Always refill the empty refillable flacon with the same fragrance. Observe the separate information sheet attached to the flacon.

# Pre-entry climate control upon unlocking the vehicle

**FUNCTION OF PRE-ENTRY CLIMATE CONTROL UPON UNLOCKING**
The seating areas can be precooled briefly prior to entering the vehicle.

Pre-entry climate control upon unlocking is only available for vehicles with plug-in hybrid and for selected vehicles with a 48 V on-board electrical system.

The seating areas in vehicles with plug-in hybrid can also be preheated briefly prior to entering the vehicle.

Vehicles with 48 V on-board electrical system: you can check whether your vehicle is equipped with the pre-entry climate control upon unlocking function in the Mercedes-Benz app.

**DEPENDING ON THE VEHICLE'S EQUIPMENT, THE FOLLOWING FUNCTIONS WILL BE ACTIVATED AS REQUIRED DURING PRECOOLING:**

- Automatic climate control
- Blower
- Seat ventilation

**DEPENDING ON THE VEHICLE'S EQUIPMENT, THE FOLLOWING FUNCTIONS WILL BE ACTIVATED AS REQUIRED DURING PREHEATING:**

- Automatic climate control
- Blower
- Seat heating
- Steering wheel heater
- Surface heating
- Mirror heater

- Rear window heater

**DEPENDING ON THE VEHICLE'S EQUIPMENT, THE FOLLOWING FUNCTIONS WILL ALSO BE REGULATED DURING PRE-ENTRY CLIMATE CONTROL IF THEY HAVE ALREADY BEEN SWITCHED ON DURING REGULAR VEHICLE OPERATION:**

- Air freshener
- Ionization

**SETTING PRE-ENTRY CLIMATE CONTROL UPON UNLOCKING IN THE MULTIMEDIA SYSTEM**

Multimedia system:

Climate Menu >> Pre-entry Climate Ctrl.

ⓘ This function is only available for plug-in hybrid vehicles.

► Activate or deactivate the function.

**SELECTING SEATS**

► Select Driver, Passenger, Rear Left or Rear Right.

The seat-specific functions of pre-entry climate control (e.g.seat heating) are performed for the selected seats.

When pre-entry climate control is enabled, an LED on the climate bar on the central display will light up blue for a cooled vehicle and red for a heated vehicle.

**ACTIVATING/DEACTIVATING PRE-ENTRY CLIMATE CONTROL UPON UNLOCKING**

**Requirements:**

- The high-voltage battery or the 48 V battery is sufficiently charged.
- The function has been activated via the multimedia system or the Mercedes-Benz app.

Pre-entry climate control upon unlocking is only available for vehicles with plug-in hybrid and for selected vehicles with a 48 V on-board electrical system.

Vehicles with 48 V on-board electrical system: you can check whether your vehicle is equipped with the pre-entry climate control upon unlocking function in the Mercedes-Benz app.

► **To switch on:** unlock the vehicle.

Vehicles with plug-in hybrid: the climate control functions are activated for up to five minutes for preheating and precooling.

Vehicles with 48 V on-board electrical system: the climate control functions are activated for up to five minutes for precooling.

Pre-entry climate control upon unlocking cannot be activated more than three times when the vehicle is switched off.

► **To switch off:** press  on the climate bar on the central display, or switch off via the Mercedes-Benz app in selected models with a 48 V on-board electrical system.

**DEPENDING ON THE RESPECTIVE VEHICLE EQUIPMENT, THE FOLLOWING FUNCTIONS WILL REMAIN ACTIVE ONCE THE VEHICLE HAS BEEN STARTED:**

- Seat heating
- Seat ventilation
- Surface heating
- Air freshener
- Ionization

# Pre-entry climate control for departure time

**PRE-ENTRY CLIMATE CONTROL FOR DEPARTURE TIME FUNCTION**

**WARNING**
Risk of fatalities due to exposure to extreme heat- or cold in the vehicle

If persons – and in particular children – are exposed to solar radiation, or the effects of heat or cold for prolonged periods of time, there is a risk of sustaining injuries or even fatalities!

► Never leave people – especially children – unattended in the vehicle.

**WARNING**
Risk of burns due to repeatedly switching on the seat heating

Repeatedly switching on the seat heating can cause the seat cushion and seat backrest padding to become very hot.

In particular, the health of persons with limited temperature sensitivity or a limited ability to react to high temperatures may be affected or they may even suffer burn-like injuries.

► Do not repeatedly switch on the seat heating.

To protect against overheating, the seat heating may be temporarily deactivated after it has been switched on repeatedly.

The pre-entry climate control for departure time function is only available in its entirety in vehicles with plug-in hybrid.

The air in the vehicle interior can be heated, ventilated or cooled to the set temperature when the vehicle is parked.

When the vehicle is connected to power supply equipment, priority will be given to charging the high-voltage battery to a specified minimum state of charge.

**THE RUNNING TIME OF PRE-ENTRY CLIMATE CONTROL MAY BE REDUCED IN THE FOLLOWING CIRCUMSTANCES:**

- The vehicle is not connected to power supply equipment.
- The high-voltage battery is not fully charged.

The state of charge for the high-voltage battery may be reduced with pre-entry climate control active, even if the charging cable connector is plugged in.

If available, seat ventilation will be activated in the cooling and ventilation modes.

**DEPENDING ON THE RESPECTIVE VEHICLE EQUIPMENT, THE FOLLOWING FUNCTIONS WILL BE ACTIVATED IN HEATING MODE, IF AVAILABLE:**

- Seat heating
- Steering wheel heater
- Surface heating
- Mirror heater
- Rear window heater

When the set temperature changes, climate control mode will automatically switch:

- from heating mode to ventilation or cooling mode, or
- from cooling mode to ventilation or heating mode, or

- from ventilation mode to heating or cooling mode

**SETTING PRE-ENTRY CLIMATE CONTROL FOR DEPARTURE TIME VIA THE MULTIMEDIA SYSTEM**

Multimedia system:

Climate Menu » Pre-entry Climate Ctrl.

**SETTING THE DEPARTURE TIME**

ⓘ The option to adjust the pre-entry climate control for departure time function via the multimedia system is available only for plug-in hybrid vehicles.

ⓘ The set departure times are used for the vehicle's pre-entry climate control function and for predictions regarding the approximate state of charge and range at the time selected. Additional information on the charging settings: (⟶ page 554)

► Select Edit Departure Time.

► Select a departure time or set a new departure time.

**SETTING REPEAT DAYS**

► Select Edit Departure Time.

► Set the desired departure time and select the corresponding days on which this departure time is to apply.

► Press OK to confirm.

**SELECTING SEATS**

► Select Driver, Passenger, Rear Left or Rear Right.

Pre-entry climate control will be carried out for the selected seats.

When pre-entry climate control is enabled, an LED on the climate bar on the central display will light up blue for a cooled vehicle and red for a heated vehicle. When the departure time is selected, the LED in the climate bar lights up yellow on the central display.

**ACTIVATING/DEACTIVATING PRE-ENTRY CLIMATE CONTROL FOR DEPARTURE TIME**

⚠ **WARNING**
Risk of fatalities due to exposure to extreme heat- or cold in the vehicle

If persons – and in particular children – are exposed to solar radiation, or the effects of heat or cold for prolonged periods of time, there is a risk of sustaining injuries or even fatalities!

► Never leave people – especially children – unattended in the vehicle.

⚠ **WARNING**
Risk of burns due to repeatedly switching on the seat heating

Repeatedly switching on the seat heating can cause the seat cushion and seat backrest padding to become very hot.

In particular, the health of persons with limited temperature sensitivity or a limited ability to react to high temperatures may be affected or they may even suffer burn-like injuries.

► Do not repeatedly switch on the seat heating.

To protect against overheating, the seat heating may be temporarily deactivated after it has been switched on repeatedly.

The pre-entry climate control for departure time function is only available in its entirety in vehicles with plug-in hybrid.

**Requirements:**

- The vehicle has a wireless connection.
- The vehicle is linked to the user's Mercedes-Benz account.
- The high-voltage battery is sufficiently charged.
- The function has been activated via the multimedia system.

► **To activate:** set the departure time (⟶ page 301).

Pre-entry climate control for departure time will switch on a maximum of 55 minutes before the selected departure time. It will remain active for another five minutes if departure is delayed.

► **Switching off pre-entry climate control at departure time ahead of time:**

- Press  on the climate bar on the central display.
- Switch off preselection of the time in the air conditioning menu.

**WHERE FEATURED, THE FOLLOWING FUNCTIONS WILL REMAIN ACTIVE ONCE THE VEHICLE HAS BEEN STARTED:**

- Seat heating
- Seat ventilation
- Surface heating

**DEPENDING ON THE VEHICLE'S EQUIPMENT, THE FOLLOWING FUNCTIONS WILL ALSO BE REGULATED DURING PRE-ENTRY CLIMATE CONTROL IF THEY HAVE ALREADY BEEN SWITCHED ON DURING REGULAR VEHICLE OPERATION:**

- Air freshener
- Ionization

## Activating/deactivating immediate pre-entry climate control

**WARNING**
Risk of fatalities due to exposure to extreme heat- or cold in the vehicle

If persons – and in particular children – are exposed to solar radiation, or the effects of heat or cold for prolonged periods of time, there is a risk of sustaining injuries or even fatalities!

► Never leave people – especially children – unattended in the vehicle.

**WARNING**
Risk of burns due to repeatedly switching on the seat heating

Repeatedly switching on the seat heating can cause the seat cushion and seat backrest padding to become very hot.

In particular, the health of persons with limited temperature sensitivity or a limited ability to react to high temperatures may be affected or they may even suffer burn-like injuries.

► Do not repeatedly switch on the seat heating.

To protect against overheating, the seat heating may be temporarily deactivated after it has been switched on repeatedly.

**Requirements:**

- The vehicle is switched off.

Air-conditioning of the vehicle interior can continue (e.g.if a journey is interrupted) for up to 50 minutes in the case of plug-in hybrids and up to 5 minutes in the case of some models with a 48 V on-board electrical system.

► Press [ ] on the climate bar on the central display.
The red or blue indicator lamp below [ ] on the climate bar on the central display will light up or go out.

► Set the temperature using the arrows [▼▲] on the climate bar on the central display.

**THE COLORS OF THE INDICATOR LAMP SIGNIFY THE FOLLOWING:**

- **Blue:** stationary ventilation is switched on.
- **Red:** the stationary heater is switched on.
- **Yellow:** the departure time is preselected.

# Air vents

**ADJUSTING THE FRONT AIR VENTS**

**WARNING**
Risk of burns or frostbite due to being too close to the air vents

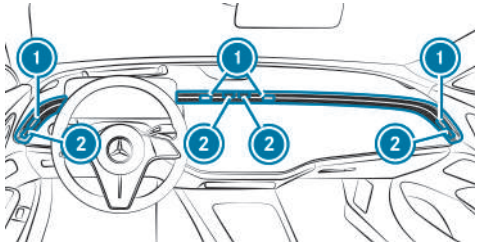
Very hot or very cold air can flow from the air vents.

► Make sure that all vehicle occupants always maintain a sufficient distance from the air vents.

► If necessary, direct the airflow to another area of the vehicle interior.

**TO GUARANTEE THE FLOW OF FRESH AIR THROUGH THE AIR VENTS INTO THE VEHICLE INTERIOR, NOTE THE FOLLOWING:**

- Always keep the air vents and ventilation grilles in the vehicle interior clear.
- Keep the air inlet free of residue build-up (⟶ page 670).




► **To adjust the airflow direction of the side and center air vent:** hold the controller (1) and move it up or down or to the left or right.

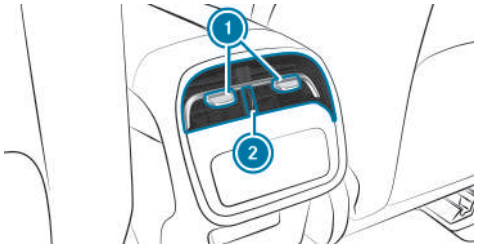
- **To open or close the side and center air vent:** turn the respective controller (2) up or down as far as it will go.

## ADJUSTING THE REAR AIR VENTS

**WARNING**
Risk of burns or frostbite due to being too close to the air vents

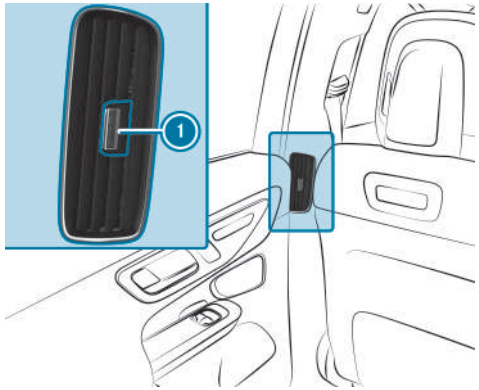
Very hot or very cold air can flow from the air vents.

- Make sure that all vehicle occupants always maintain a sufficient distance from the air vents.
- If necessary, direct the airflow to another area of the vehicle interior.




- **To open or close:** turn the controller (2) up or down as far as it will go.
- **To adjust the airflow direction:** hold the center of the controller (1) and move it up or down or to the left or right.

## ADJUSTING THE REAR SIDE AIR VENTS




- **To open or close the side air vents in the rear passenger compartment:** hold the controller of the side air vent (1) and move it up or down as far as it will go.
- **To adjust the airflow direction of the side air vents:** hold the controller (1) and move it up or down or to the left or right.

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# Driving and parking

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
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Function of 4MATIC
Refueling
Charging the high-voltage battery (plug-in hybrid)
Parking
Driving and driving safety systems
Vehicle towing instructions

# Driving

## Notes on plug-in hybrids

**NOTES ON PLUG-IN HYBRID OPERATION**

**WARNING**
Risk of chemical burns and poisoning from damaged high-voltage battery

If the housing of the high-voltage battery has been damaged, electrolyte and gases may leak out.

- ► Avoid contact with the skin, eyes or clothing.
- ► Immediately rinse electrolyte splashes off with water and seek medical attention straight away.

**WARNING**
Risk of fire resulting from thermal runaway in the drive battery

If thermal runaway occurs in the drive battery, hot gas, smoke and particles can escape from the drive battery's pressure relief outlets.

This will result in a risk of fire and poisoning.

- ► Leave the danger zone immediately, and where possible, secure the danger zone at an adequate distance.
- ► Call the fire service.

The hybrid system combines a combustion engine with an electric motor.

**CHARACTERISTICS WHEN THE VEHICLE IS AT A STANDSTILL:**

- The combustion engine will generally be switched off.
- Engine idling will only occur in certain situations.

**CHARACTERISTICS WHEN THE VEHICLE IS STARTED:**

- Following an initial start, and provided that the high-voltage battery is sufficiently charged, the vehicle can be started without the combustion engine using electric drive (noiseless start).
- If the high-voltage battery for the electric drive system is not sufficiently charged or the vehicle conditions for a silent start are not met, the vehicle will start with the combustion engine.

Depending on the respective system, it may be possible that even though the high-voltage battery is charged, electric mode has limited or no availability. Once the combustion engine has been running for long enough in agreeable ambient conditions, electric mode will once more be available to its full extent.

**CHARACTERISTICS WITH MODERATE PERFORMANCE REQUIREMENTS:**

- The combustion engine will be switched off as often as possible during a journey.

- Depending on the drive program selected and the state of charge of the high-voltage battery, the vehicle can be accelerated electrically up to a speed of approximately 85 mph (140 km/h).

**CHARACTERISTICS WITH HIGH PERFORMANCE REQUIREMENTS:**

- The electric motor will support the combustion engine (boost effect), e.g. when the vehicle is pulling away or accelerating.
- The high-voltage battery will be discharged.

**CHARACTERISTICS UPON RELEASING THE ACCELERATOR PEDAL DURING TRAVEL:**

- The electric motor will be operated as an alternator when in overrun mode and during braking.
- The high-voltage battery will be charged.

**NOTES ON ELECTRIC MODE:**

- Vehicles with hybrid systems generate significantly less noise when stationary and when being driven than vehicles with combustion engines.
- In electric mode, the vehicle may not be heard by other road users due to the significantly reduced noise generated when the vehicle is in motion and when at a standstill.

  It is for this reason that the vehicle is equipped with a sound generator, which serves as an acoustic vehicle alerting system (AVAS). This safety system is prescribed by law.

  The external noise produced by the sound generator can be heard in the vehicle interior when the vehicle is stationary and at low speeds and does not constitute a malfunction.
- If not all vehicle conditions for electric mode are met, the combustion engine will be switched on.
- Performance limitations in electric mode are possible as a result of the operating temperature of the high-voltage battery and drive system, the ambient temperature and aging of the high-voltage battery.
- In electric mode, maximum power will not be permanently available and may drop to continuous output.

**NOTES ON THE ACOUSTIC VEHICLE ALERTING SYSTEM:**

- The sound generator will produce idling and speed-dependent driving noises up to a speed of approximately 19 mph (30 km/h).
- This will help other road users, particularly pedestrians and cyclists, to hear your vehicle better.
- The acoustic vehicle alerting system will gradually switch off when the speed exceeds 13 mph (20 km/h).

## MANUALLY DISCONNECTING THE HIGH-VOLTAGE ON-BOARD ELECTRICAL SYSTEM

**DANGER**
Risk of death and fire due to modified and/or damaged components of the high-voltage on-board electrical system

The vehicle's high-voltage on-board electrical system is under high voltage. If you modify component parts in the vehicle's high-voltage on-board electrical system or touch damaged component parts, you may be electrocuted. In addition, modified and/or damaged components may cause a fire.

In the event of an accident or impact to the underbody, components of the high-voltage electrical system may be damaged although the damage is not visible.

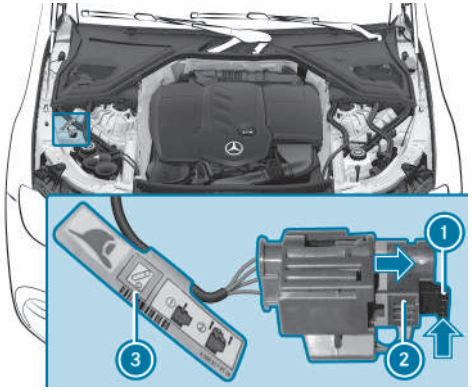
- ► Never make any modifications to the high-voltage on-board electrical system.
- ► Do not switch on or use the vehicle if its high-voltage on-board electrical system components have been modified or damaged.
- ► Never touch damaged components of the high-voltage on-board electrical system.
- ► After an accident, do not touch any components of the high-voltage on-board electrical system.
- ► After an accident, have the vehicle transported away.
- ► Have the components of the high-voltage on-board electrical system checked at a qualified specialist workshop and replaced if necessary.

### Requirements

**ONLY DISCONNECT THE HIGH-VOLTAGE ON-BOARD ELECTRICAL SYSTEM MANUALLY IN THE FOLLOWING SITUATIONS:**

- The restraint system warning lamp lights up in the driver display, e.g. after an accident.
- The vehicle is badly damaged, e.g. after an accident, and restraint system components have not been triggered.

### OPERATING THE HIGH-VOLTAGE DISCONNECT DEVICE




- ► Switch off the vehicle.
- ► Shift the transmission to position P.
- ► Apply the electric parking brake.
- ► Secure the vehicle against rolling away.
- ► Open the hood.

- ► Observe additional label (3) for high-voltage disconnect device (2).
- ► Press release tab (1) in the direction of the arrow and pull it out.
- ► Pull high-voltage disconnect device (2) in the direction of the arrow until it engages.
  The high-voltage on-board electrical system is switched off.

All work on the hybrid drive system– (including after disconnecting the high-voltage on-board electrical system manually–) may only be carried out in a qualified specialist workshop.

## Switching on the power supply or the vehicle

**WARNING**
Risk of accident and injury due to children left unattended in the vehicle

**IF YOU LEAVE CHILDREN UNATTENDED IN THE VEHICLE, THEY COULD, IN PARTICULAR:**

- open doors, thereby endangering other persons or road users.
- get out and be struck by oncoming traffic.
- operate vehicle equipment and become trapped, for example.

**IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION BY, FOR EXAMPLE:**

- releasing the parking brake.
- changing the gearbox position.
- starting the vehicle.

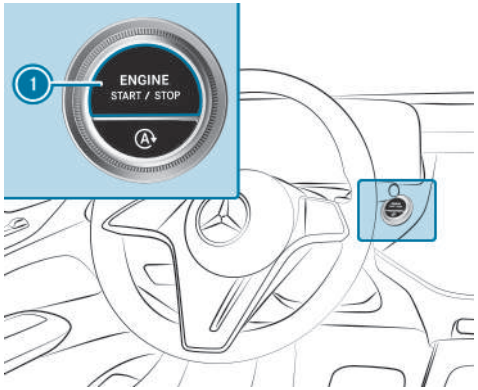
- ► Never leave children unattended in the vehicle.
- ► When leaving the vehicle, always take the key with you and lock the vehicle.
- ► Keep the key out of reach of children.

This also applies to the Digital Vehicle Key.

**Requirements:**

- The key is in the vehicle and is recognized.

- **Vehicles with Digital Vehicle Key:** a Digital Vehicle Key with drive authorization is detected.
- The brake pedal is not depressed.




► **To switch on the power supply:** press the button (1) once.

You can switch on the windshield wipers, for example.

**THE POWER SUPPLY WILL BE SWITCHED OFF AGAIN IF THE FOLLOWING CONDITIONS ARE MET:**

- You open the driver's door.
- You press the button (1) twice more.

► **To switch on the vehicle:** press the button (1) twice.

Indicator lamps and warning lamps will light up on the driver display.

**THE VEHICLE WILL BE SWITCHED OFF AGAIN IF ONE OF THE FOLLOWING CONDITIONS IS MET:**

- You do not start the vehicle within 15 minutes and the transmission is in position P or the electric parking brake is applied.
- You press the button (1) once.

## Starting the vehicle with the start/stop button

**DANGER**
Danger to life from toxic exhaust gas in enclosed spaces

Combustion engines emit toxic exhaust gases suchas carbon monoxide. Inhaling these exhaust gases is hazardous to health and leads to poisoning.

► Never leave the engine or, if present, the stationary heater in an enclosed space without sufficient ventilation.

**WARNING**
Risk of fire due to flammable materials in the engine compartment or on the exhaust system

Flammable materials may ignite.

► Therefore, regularly check that there are no flammable foreign materials in the engine compartment or on the exhaust system.

**WARNING**
Risk of accident and injury due to children left unattended in the vehicle

**IF YOU LEAVE CHILDREN UNATTENDED IN THE VEHICLE, THEY COULD, IN PARTICULAR:**

- open doors, thereby endangering other persons or road users.
- get out and be struck by oncoming traffic.
- operate vehicle equipment and become trapped, for example.

**IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION BY, FOR EXAMPLE:**

- releasing the parking brake.
- changing the gearbox position.
- starting the vehicle.

► Never leave children unattended in the vehicle.

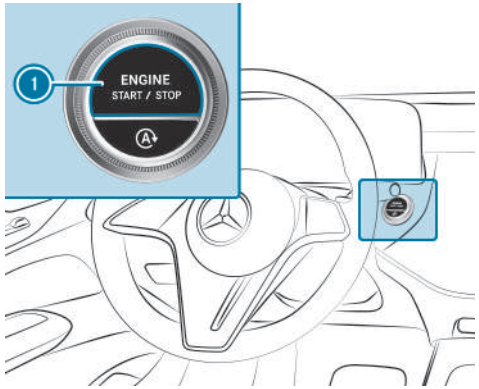
► When leaving the vehicle, always take the key with you and lock the vehicle.

► Keep the key out of reach of children.

This also applies to the Digital Vehicle Key.

**Requirements:**

- The key is in the vehicle and is detected.
- **Vehicles with Digital Vehicle Key:** a Digital Vehicle Key with drive authorization is detected.




► Shift the transmission to position P or N.

► Depress the brake pedal and press the button 1 once.

► If the vehicle does not start, switch off unnecessary consumers and press the button 1 once.

► If the vehicle still does not start and the Place the Key in the Marked Space See Operator's Manual display message appears on the driver display, start the vehicle with the key in the storage compartment (emergency operation mode) (→ page 312).

ⓘ You can switch off the vehicle while driving. Switch off the vehicle by pressing and holding the button 1 for about three seconds or pressing the button 1 three times within three seconds. It is imperative that the safety notes under "Driving tips" are observed (→ page 317).

Observe any information regarding display messages that may be shown on the driver display.

# Starting the vehicle in emergency operation mode

**DANGER**
Danger to life from toxic exhaust gas in enclosed spaces

Combustion engines emit toxic exhaust gases suchas carbon monoxide. Inhaling these exhaust gases is hazardous to health and leads to poisoning.

- ► Never leave the engine or, if present, the stationary heater in an enclosed space without sufficient ventilation.

**WARNING**
Risk of fire due to flammable materials in the engine compartment or on the exhaust system

Flammable materials may ignite.

- ► Therefore, regularly check that there are no flammable foreign materials in the engine compartment or on the exhaust system.

**WARNING**
Risk of accident and injury due to children left unattended in the vehicle

**IF YOU LEAVE CHILDREN UNATTENDED IN THE VEHICLE, THEY COULD, IN PARTICULAR:**

- open doors, thereby endangering other persons or road users.
- get out and be struck by oncoming traffic.
- operate vehicle equipment and become trapped, for example.

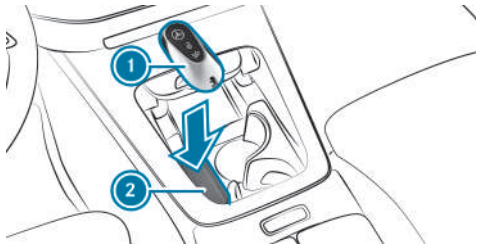
**IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION BY, FOR EXAMPLE:**

- releasing the parking brake.
- changing the gearbox position.
- starting the vehicle.

- ► Never leave children unattended in the vehicle.
- ► When leaving the vehicle, always take the key with you and lock the vehicle.
- ► Keep the key out of reach of children.

This also applies to the Digital Vehicle Key.

**START THE VEHICLE WITH THE KEY IN THE MARKED SPACE.**
If the vehicle does not start and the Place the Key in the Marked Space See Operator's Manual display message appears on the driver display, you can start the vehicle in emergency operation mode.



- Ensure that the storage compartment (2) is empty.
- Remove the key (1) from the key ring.
- Place the key (1) on the symbol in the storage compartment (2).
  The vehicle will start after a short delay.
  If you remove the key (1) from the storage compartment (2), the vehicle will still be ready to drive. For further vehicle starts, however, the key (1) must be located on the symbol in the storage compartment (2) during the entire journey.
- Have the key (1) checked at a qualified specialist workshop.

**IF THE VEHICLE DOES NOT START:**

- Place the key (1) in the storage compartment (2) and leave it there.
- Depress the brake pedal and start the vehicle using the start/stop button.

ⓘ You can also switch on the power supply or the vehicle independently with the start/stop button (⟶ page 309).

Observe any information regarding display messages that may be shown on the driver display.

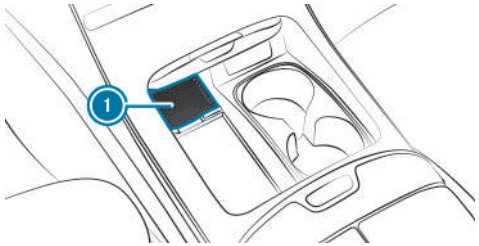
**STARTING THE VEHICLE WITH THE DIGITAL VEHICLE KEY IN THE MARKED SPACE**

**REQUIREMENTS:**

- The vehicle is equipped with the "Digital Vehicle Key" pre-installation.
- A Digital Vehicle Key with drive authorization is detected.

ⓘ Alternatively, you can use the vehicle key for emergency operation mode.
Mercedes-Benz recommends that you carry the vehicle key about your person as a safeguard against functional restrictions.

If the vehicle does not start and the Searching for Key in Stowage Tray or Digital Vehicle Key in Inductive Charging Bracket... See Operator's Manual display message appears on the driver display, you can start the vehicle in emergency operation mode.



- Place the Digital Vehicle Key in the marked space (1).
- Depress the brake pedal and start the vehicle using the start/stop button.
  It may take a few seconds until the vehicle starts.
- When the display message Key Not Detected appears on the driver display, press the start/stop button again.

# Starting the vehicle via Remote Online Services

**COOLING OR HEATING THE VEHICLE INTERIOR BEFORE STARTING THE JOURNEY**

**ENSURE THE FOLLOWING BEFORE STARTING THE ENGINE:**

- The legal stipulations in the area where your vehicle is parked allow engine starting via smartphone.
- It is safe to start and run the engine where your vehicle is parked.
- The fuel tank is sufficiently full.
- The starter battery is sufficiently charged.

**CHARGING THE STARTER BATTERY BEFORE STARTING THE JOURNEY**

You can receive a message on your smartphone when the state of charge of the starter battery is low. You can then start the vehicle with the smartphone to charge the battery. The vehicle is automatically switched off after ten minutes.

**ENSURE THE FOLLOWING BEFORE STARTING THE ENGINE:**

- The legal stipulations in the area where your vehicle is parked allow engine starting via smartphone.
- It is safe to start and run the engine where your vehicle is parked.
- The fuel tank is sufficiently full.

**STARTING THE VEHICLE (REMOTE ONLINE)**

**DANGER**
Danger to life from toxic exhaust gas in enclosed spaces

Combustion engines emit toxic exhaust gases suchas carbon monoxide. Inhaling these exhaust gases is hazardous to health and leads to poisoning.

► Never leave the engine or, if present, the stationary heater in an enclosed space without sufficient ventilation.

**WARNING**
Risk of fire due to flammable materials in the engine compartment or on the exhaust system

Flammable materials may ignite.

► Therefore, regularly check that there are no flammable foreign materials in the engine compartment or on the exhaust system.

**WARNING**
Risk of crushing or entrapment due to unintentional starting of the engine

Limbs could be crushed or trapped if the engine is started unintentionally during service or maintenance work.

► Always secure the engine against unintentional starting before carrying out maintenance or repair work.

**WARNING**
Risk of accident and injury due to children left unattended in the vehicle

**IF YOU LEAVE CHILDREN UNATTENDED IN THE VEHICLE, THEY COULD, IN PARTICULAR:**

- open doors, thereby endangering other persons or road users.
- get out and be struck by oncoming traffic.
- operate vehicle equipment and become trapped, for example.

**IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION BY, FOR EXAMPLE:**

- releasing the parking brake.
- changing the gearbox position.
- starting the vehicle.

► Never leave children unattended in the vehicle.

► When leaving the vehicle, always take the key with you and lock the vehicle.

► Keep the key out of reach of children.

This also applies to the Digital Vehicle Key.

**Requirements:**

- Park position P is engaged.
- The anti-theft alarm system is not active.
- The panic alarm is not active.
- The hazard warning light system is switched off.
- The hood is closed.
- The doors are closed and locked.
- The windows and sliding sunroof are closed.

► Start the vehicle using your smartphone.
After every vehicle start, the engine will run for ten minutes.

You can carry out a maximum of two consecutive starting attempts. You must start the vehicle with the key before trying to start the vehicle with your smartphone again.

**YOU CAN SWITCH OFF THE VEHICLE AT ANY TIME AS FOLLOWS:**

- Via the Mercedes-Benz app
- By pressing the [ ] or [ ] button on the key

ⓘ Additional information can be found in the Mercedes-Benz app.

**TO SECURE THE VEHICLE AGAINST STARTING BEFORE CARRYING OUT MAINTENANCE OR REPAIR WORK:**

► Switch on the hazard warning light system.

or

► Unlock the doors.

or

► Open a side window or the sliding sunroof.

# Breaking-in notes

**TO PRESERVE THE ENGINE DURING THE FIRST 1000 MILES (1500 KM):**

- Drive at varying road speeds and engine speeds.
- Do not drive faster than 85 mph (140 km/h).
- Drive the vehicle in drive program C or E.

  **Plug-in hybrid:** use drive program EL, H or B.
- Then shift to the next higher gear at the very latest when the needle reaches the last third before the red area in the tachometer.
- Do not shift down manually in order to brake.
- Avoid overstraining the vehicle, e.g. by driving at full throttle.
- Do not depress the accelerator pedal past the pressure point (kickdown).
- Increase the engine speed only gradually and accelerate the vehicle to full speed after 1000 miles (1500 km).

This also applies when the engine or parts of the drivetrain have been replaced.

**PLEASE ALSO OBSERVE THE FOLLOWING BREAKING-IN NOTES:**

- In certain handling and driving safety systems, the sensors adjust automatically while a certain distance is being driven after the vehicle has been delivered or after repairs. Full system effectiveness is reached only when this teaching-in process has concluded.
- Brake pads, brake discs and tires that are either new or have been replaced achieve optimum braking effect and grip only after the vehicle has been driven several hundred kilometers. Compensate for the reduced braking effect by applying greater force to the brake pedal.

# Notes on optimize acceleration

If all necessary requirements and activation conditions are fulfilled, the best possible acceleration can be achieved from a standstill.

Do not use optimize acceleration on public roads. Individual wheels could spin and you could lose control of the vehicle. There is an increased risk of skidding and/or accident.

Be sure to observe the safety notes and information on ESP® (→ page 394).

# Pulling away with optimized acceleration

**WARNING**
Risk of skidding and accidents due to the wheels spinning

If you pull away using optimized acceleration, individual wheels can spin and the vehicle can skid.

There is an increased risk of skidding and accidents, especially when ESP® is switched off!

► Make sure that there are no persons or obstacles in the vicinity of the vehicle.

**Requirements**

- The vehicle is broken in (→ page 316).
- The vehicle and tires are in good condition.
- The road surface offers good grip.
- The engine and transmission are at normal operating temperature.

**NOTE**
Increased wear due to optimized acceleration

When pulling away with optimized acceleration, all components of the drivetrain are subjected to a very high load.

This can lead to increased component wear.

- Do not always pull away with optimized acceleration.

- Engage the D drive position (⟶ page 345).
- Move the steering wheel to the straight-ahead position.
- Select drive program S (⟶ page 336).
- Deactivate ESP® (⟶ page 397).
- Depress and hold the brake pedal firmly with your left foot.
- Fully depress the accelerator pedal with your right foot.
- After no more than five seconds, quickly take your left foot off the brake, but keep the accelerator pedal depressed.
  The vehicle will pull away at maximum acceleration.
- Switch on ESP® once the acceleration procedure is complete.

**ENDING OPTIMIZED ACCELERATION**

- Remove your foot from the accelerator pedal.
- Reactivate ESP®.

After you pull away with optimized acceleration, components of the drivetrain may be very hot, which means that optimized acceleration values may possibly only be achieved again after a few minutes.

## Notes on driving

**WARNING**
Risk of accident due to objects in the driver's footwell

Objects in the driver's footwell may impede pedal travel or block a depressed pedal.

This will jeopardize the operating- and road safety of the vehicle.

- Stow all objects in the vehicle securely so that they cannot get into the driver's footwell.
- Make sure that there is always sufficient clearance for the pedals.
- Always install the floor mats securely and as prescribed.
- Do not use loose floor mats and do not place floor mats on top of one another.

**WARNING**
Risk of accident due to incorrect footwear

**INCORRECT FOOTWEAR INCLUDES, FOR EXAMPLE:**

- Shoes with platform soles
- Shoes with high heels
- Slippers

There is a risk of an accident.

► Always wear suitable footwear so that you can operate the pedals safely.

**WARNING**
Risk of accident if the vehicle is switched off while driving

If you switch off the vehicle while driving, safety functions are restricted or no longer available.

This may affect the power steering system and the brake force boosting, for example.

You will need to use considerably more force to steer and brake, for example.

► Do not switch off the vehicle while driving.

**DANGER**
Danger to life from toxic exhaust gas in enclosed spaces

Combustion engines emit toxic exhaust gases suchas carbon monoxide. Inhaling these exhaust gases is hazardous to health and leads to poisoning.

► Never leave the engine or, if present, the stationary heater in an enclosed space without sufficient ventilation.

**WARNING**
Risk of skidding and of an accident due to shifting down on slippery road surfaces

If you shift down on slippery road surfaces to increase the engine braking effect, the drive wheels may lose traction.

► Do not shift down on slippery road surfaces to increase the engine braking effect.

**DANGER**
Risk of fatal injury from toxic exhaust gases if the tailpipe is blocked

Combustion engines emit toxic exhaust gases suchas carbon monoxide. Inhaling these exhaust gases is harmful to health and leads to poisoning. If the tailpipe is blocked or sufficient ventilation is not possible, exhaust gases can enter the vehicle. This is the case, forexample, if the vehicle gets stuck in the snow.

- When the engine or stationary heater is running, keep the tailpipe and the area around the vehicle free of snow.
- To ensure a sufficient supply of fresh air, open a window on the side of the vehicle facing away from the wind.

**WARNING**
Risk of accident and injury due to being under the influence of alcohol and drugs while driving

Drinking and driving and/or taking drugs and driving are very dangerous combinations. Even a small amount of alcohol or drugs can affect your reflexes, perceptions and judgment.

The possibility of a serious or even fatal accident are greatly increased when you drink or take drugs and drive.

- Do not drink or take drugs and drive or allow anyone to drive who has been drinking or taking drugs.

**WARNING**
Risk of accident due to the brake system overheating

If you leave your foot on the brake pedal when driving, the brake system may overheat.

This increases the braking distance and the brake system can even fail.

- Never use the brake pedal as a footrest.
- Do not depress the brake pedal and the accelerator pedal at the same time while driving.

**NOTE**
Engine damage due to excessive engine speed

You will damage the engine if you drive at excessive engine speeds.

- Do not drive at engine speeds in the red area of the tachometer, or shown in red in the driver display.

**NOTE**
Wearing out the brake linings by continuously depressing the brake pedal

- Do not depress the brake pedal continuously whilst driving.
- To use the braking effect of the engine, shift to a lower gear in good time.

**NOTE**
Damage to the drivetrain and engine when pulling away

- ► Do not warm up the engine while the vehicle is stationary. Pull away immediately.
- ► Avoid high engine speeds and driving at full throttle until the engine has reached its operating temperature.

**NOTE**
Damage to the catalytic converter due to non-combusted fuel

The engine is not running smoothly and is misfiring.

Non-combusted fuel may get into the catalytic converter.

- ► Only depress the accelerator pedal slightly.
- ► Have the cause rectified immediately at a qualified specialist workshop.

**NOTE**
Reduced battery life due to frequent short-distance trips

The 12 V battery may not be sufficiently charged when the vehicle is used only for short-distance trips. This reduces the life of the battery.

- ► Drive longer distances regularly to charge the battery.

**NOTE**
Vehicle damage due to failure to observe the maximum permissible clearance height

If the vehicle height exceeds the maximum permissible clearance height, the roof and other vehicle parts may be damaged.

- ► Please observe the maximum clearance height indicated.
- ► If the vehicle exceeds the permissible clearance height, do not drive in.
- ► Take the modified vehicle height into account in the case of roof superstructures or other carrier systems.

Please bear in mind that all speed values stated in this Operator's Manual are approximate values and are subject to a certain tolerance.

**NOTES ON DRIVING WITH A ROOF LOAD, TRAILER OR FULLY LADEN VEHICLE**

Driving with a loaded roof luggage rack or trailer, or with the vehicle fully laden or fully occupied, changes the handling and steering characteristics of your vehicle.

**THEREFORE, PLEASE OBSERVE THE FOLLOWING NOTES:**

- Do not exceed the permissible roof load and trailer load. Observe also the information in the technical data in this regard.
- Distribute the roof load and vehicle load evenly, and place heavy objects at the bottom. Observe also the notes on loading the vehicle (⟶ page 242).

- Drive with caution. Avoid sudden starting, braking and steering maneuvers or fast cornering.

**NOTES ON DRIVING ON ROADS TREATED WITH DE-ICING SALT**
The braking effect is limited on road surfaces treated with de-icing salt.

**PLEASE THEREFORE BEAR IN MIND THE FOLLOWING NOTES:**

- Due to salt build-up on the brake discs and brake linings, the braking distance can increase considerably or braking may be one-sided.
- Maintain a much greater safety distance to the vehicle traveling ahead.

**REMOVE SALT BUILD-UP AS FOLLOWS:**

- Brake occasionally, paying attention to the traffic conditions.
- Carefully depress the brake pedal at the end of the journey and when starting the next journey.

**NOTES ON HYDROPLANING**
Hydroplaning can occur if a certain depth of water has built up on the road surface.

**OBSERVE THE FOLLOWING NOTES DURING HEAVY PRECIPITATION OR IN CONDITIONS IN WHICH HYDROPLANING MAY OCCUR:**

- Reduce speed.
- Avoid tire ruts.
- Avoid sudden steering movements.
- Brake carefully.

ⓘ Observe also the notes on regularly checking wheels and tires (⟶ page 42).

**NOTES ON DRIVING THROUGH WATER ON THE ROAD**
Water ingress can damage the engine, electrics and transmission of the vehicle.

Water can also enter the air intake fitting of the engine and cause engine damage.

**OBSERVE THE FOLLOWING IF DRIVING THROUGH WATER IS ABSOLUTELY NECESSARY:**

- The water, when calm, should reach no higher than the lower edge of the vehicle body.
- Drive no faster than walking pace, otherwise water may enter the vehicle interior or engine compartment.
- Vehicles traveling ahead, or oncoming vehicles, can create waves which may exceed the maximum permissible depth of water.

The braking effect of the brakes is reduced after fording. Brake the vehicle carefully paying attention to the traffic conditions, until the braking effect has been fully restored.

## Function of rear axle steering

The rear axle steering is an electromechanical auxiliary steering on the rear axle which adjusts the steering of the rear wheels according to the position of the front wheels, depending on the speed. This results in greater mobility and improved driving stability for the vehicle.

**REAR AXLE STEERING HAS THE FOLLOWING CHARACTERISTICS:**

- reduced steering effort and turning circle resulting in reduced parking effort
- more direct steering resulting in improved control of the vehicle

- improved cornering of the vehicle

If you have installed snow chains, switch on the snow chain mode (→ page 718).

# ECO start/stop function

**ECO START/STOP FUNCTION**

ⓘ **Plug-in hybrid:** this function is not available.

ⓘ Depending on the engine, the ECO start/stop function is not available in all drive programs. Observe the status display on the driver display in this regard.

**THE ENGINE WILL BE SWITCHED OFF AUTOMATICALLY IN THE FOLLOWING SITUATIONS IF ALL VEHICLE CONDITIONS FOR AN AUTOMATIC ENGINE STOP ARE MET:**

- You brake the vehicle until it comes to a standstill in transmission position D or N.
- You depress the brake pedal when traveling at a low speed.

**IF THE SYSTEM HAS DETECTED ONE OF THE FOLLOWING SITUATIONS, THE ENGINE WILL NOT STOP:**

- You stop at a stop sign and there is no vehicle in front of you.
- The vehicle that stopped in front of you pulls away again.
- You maneuver, turn the steering wheel sharply or engage reverse gear.

This prevents the engine from stopping briefly.

ⓘ If the system detects a stop inhibitor to prevent a short stop (e.g.a stop sign), the engine will not stop.
If you activate the HOLD function or engage park position P, the engine can be switched off in spite of such a stop inhibitor.

**THE ENGINE WILL RESTART AUTOMATICALLY IN THE FOLLOWING CASES:**

- You engage transmission position D (depending on engine) or R.
- You depress the accelerator pedal.
- The vehicle requires an automatic engine start.
- You release the brake pedal.
- You release the brake pedal on a downhill gradient and the vehicle does not roll.
- The vehicle rolls on a downhill gradient and does not automatically enter gliding mode at 15 mph (20 km/h).

**ECO START/STOP FUNCTION SYMBOLS ON THE DRIVER DISPLAY:**

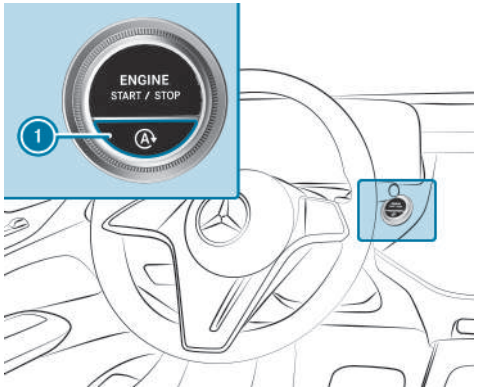
- The Ⓐ symbol (green) appears when the vehicle is at a standstill: the engine was switched off by the ECO start/stop function.
- The Ⓐ symbol (yellow) appears when the vehicle is at a standstill: not all vehicle conditions for an engine stop have been met.
- Neither the Ⓐ nor Ⓐ symbol appears when the vehicle is at a standstill: a stop inhibitor to prevent a short stop has been detected (e.g.a stop sign).
- The Ⓐ OFF symbol appears: the ECO start/stop function is deactivated or there is a malfunction.

If the engine was switched off by the ECO start/stop function and you leave the vehicle, a warning tone will sound and the engine will not be restarted. In addition, the following display message will appear on the driver display:

Vehicle is Ready to Drive Switch Off Vehicle Before Exiting

If you do not switch off the vehicle, it will automatically be switched off after three minutes.

**SWITCHING THE ECO START/STOP FUNCTION ON/OFF**

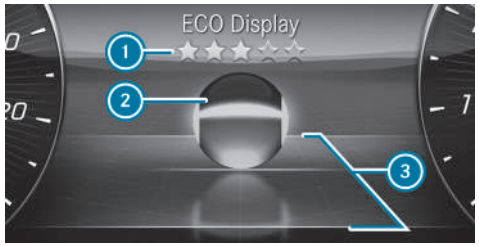



► Press button (1).

An indicator will appear on the driver display when you switch the ECO start/stop function on/off.

ⓘ (A OFF) will be shown permanently on the driver display while the ECO start/stop function is deactivated.

# ECO display function




The ECO display shows an evaluation of your driving style on the driver display depending on the situation. This enables you to check the efficiency of your driving style and adjust it if necessary. The ECO Display menu shows a ball (2) that will roll forwards or backwards in the direction of travel on a stylized road according to the driving characteristics.

Above and below the road, lines mark the area for an efficient driving style (3). Ball (2) will light up in green if it is rolling within these lines. Outside the lines, the ball will light up in orange.

**THE ECO DISPLAY ASSESSES THE FOLLOWING CRITERIA FOR AN ECONOMICAL DRIVING STYLE:**

- Coasting at the right times
- Consistent speed
- Moderate acceleration

The overall assessment of your driving style "from start" is indicated using stars (1). It starts with five empty stars, which you can fill one after the other if you drive efficiently. When all five stars are filled, a glow will appear in the background.

You can call up the ECO Display function via the Classic menu (⟶ page 470).

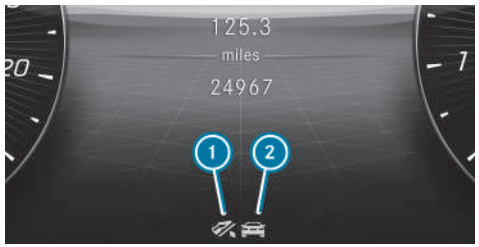
# ECO Assist function (vehicles with 48 V on-board electrical system)

For plug-in hybrids, note the ECO Assist information (⟶ page 327).

ECO Assist is active only in drive programs [E] and [C].

ECO Assist analyze data for the vehicle's expected route. This allows the system to optimally adjust the driving style for the route ahead, save fuel and recuperate. If the system detects an event ahead and the vehicle is approaching this event, ECO Assist will calculate the optimum speed for maximum fuel economy and recuperative energy based on the distance, speed and downhill gradient.

If deceleration provided by ECO Assist is not adequate, you must additionally depress the service brake. This will apply in particular if, forexample, you start driving again in slow-moving traffic and there is minimal distance to the vehicle in front.




1 "Foot off the accelerator" recommendation
2 Route event ahead

If in drive program [E], a route event or vehicle that requires an adjustment of your driving style for increased efficiency is detected ahead, the corresponding symbol 2 and the symbol [] (gray) will be displayed.

If you release the accelerator pedal, the symbol [] will turn green and recuperation in overrun mode will be initiated. If deceleration is not adequate, additionally depress the service brake. If ECO Assist intervenes for a route event ahead (not for a vehicle in front) and you then depress the accelerator pedal again, you will cancel control by ECO Assist.

**THE ECO ASSIST DISPLAY WILL BE HIDDEN AGAIN IN THE FOLLOWING CASES:**

- You do not react to the ECO Assist recommendation for a certain period of time.
- You depress the accelerator pedal while ECO Assist is intervening for a route event ahead (not for a vehicle in front).
- ECO Assist cannot identify any further recommendations from the route ahead.

**IN ADDITION TO A VEHICLE IN FRONT, ECO ASSIST CAN DETECT THE FOLLOWING ROUTE EVENTS (2) DEPENDING ON THE VEHICLE'S EQUIPMENT:**

- Traffic circle
- Sharp bend
- Intersection
- T-intersection
- Downhill gradient
- Speed limit

ⓘ In drive program C, ECO Assist will react only to the "vehicle in front" route event without displaying the route event or recommendation.

**SYSTEM LIMITS**

ECO Assist will operate with greater accuracy if the calculated route is followed with route guidance active. The basic function is also available when route guidance is not active. Not all information and traffic situations can be anticipated. Quality will depend on the available map data.

ECO Assist serves solely as an aid. The driver is responsible for keeping a safe distance from the vehicle in front, for vehicle speed and for braking in good time.

**THE SYSTEM MAY BE IMPAIRED OR INOPERATIVE IN THE FOLLOWING SITUATIONS:**

- if there is poor visibility, e.g.due to insufficient illumination of the road, highly variable shade conditions, rain, snow, fog or heavy spray
- if there is glare, e.g.from oncoming traffic, direct sunlight or reflections
- if the windshield is dirty in the vicinity of the multifunction camera
- if the multifunction camera is fogged up, damaged or obscured
- if road signs are difficult to detect (e.g.due to dirt, snow or insufficient lighting) or because they are obscured
- if the digital road map of the navigation system has incorrect or outdated information
- if signs are ambiguous (e.g.road signs at roadworks or in adjacent lanes)
- if the radar sensors are dirty or obscured
- when you drive on roads with steep gradients
- if there are narrow vehicles in front, such as bicycles or motorcycles

# Recuperative brake system (plug-in hybrid)

**FUNCTION OF THE REGENERATIVE BRAKE SYSTEM**

ⓘ The function is only available for plug-in hybrids.

The regenerative brake system converts the vehicle's kinetic energy into electrical energy during overrun mode and braking.

Depending on the selected recuperation level, the electric motor is operated as an alternator when in overrun mode and during braking in order to charge the high-voltage battery while driving. As soon as you take your foot off the accelerator while driving in transmission position D or R, recuperation starts in overrun mode.

The higher the recuperation, the more sharply the vehicle is braked when coasting and the more electrical energy is fed into the high-voltage battery.

The deceleration in overrun mode may not be sufficient depending on the driving situation. There is no deceleration to a standstill. Also brake with the service brake if necessary. Always adapt your speed to the driving situation and keep sufficient distance.

ⓘ If you brake heavily, the mechanical brake is also used. This means that the maximum recuperation energy cannot be recovered. The more proactively you accelerate and brake, the more efficiently energy can be recuperated.

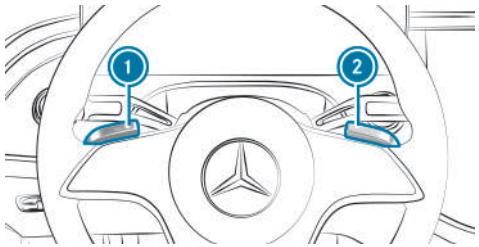
**SYSTEM LIMITS**

**WITH RECUPERATION IN OVERRUN MODE, THE BRAKING EFFECT OF THE ELECTRIC MOTOR IS ONLY REDUCED OR NON-EXISTENT IN THE FOLLOWING SITUATIONS:**

- when the high-voltage battery state of charge increases
- if the high-voltage battery is not yet at a normal operating temperature

**MANUALLY SETTING REGENERATIVE DECELERATION**

ⓘ The function is only available for a plug-in hybrid.
You can use the steering wheel paddle shifters to adjust the intensity of recuperation in overrun mode in drive programs H, B and EL in transmission position D.




**THE FOLLOWING RECUPERATION LEVELS ARE AVAILABLE:**

- D AUTO Intelligent, anticipatory recuperation with ECO Assist (⟶ page 327)
- D + No recuperation: the vehicle rolls freely
- D Normal recuperation
- D – Increased recuperation: Strong vehicle deceleration in overrun mode, e.g. for driving downhill

**DEFAULT SETTING:**

- D AUTO: If the ECO Assist function in the multimedia system is switched on (⟶ page 329).
- D: If the ECO Assist function in the multimedia system is switched off.

ⓘ D AUTO is only available if the ECO Assist function in the multimedia system is switched on and if the function of the radar sensors is not impaired. Please also note the information on the vehicle sensors and cameras (⟶ page 391).

▶ Select transmission position D.

▶ **Increase recuperation:** Pull shift paddle 1 briefly.

- **Reduce recuperation:** Pull shift paddle (2) briefly.
- **Default setting:** Pull and hold shift paddle (1) or (2) re-engage transmission position D.

When the vehicle is started again, the standard setting is also set.

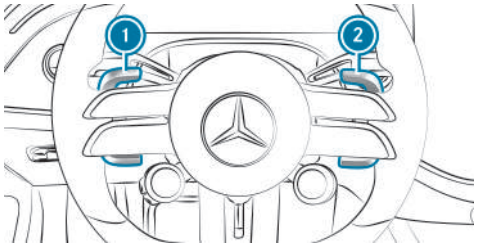
When changing to transmission position R, the current recuperation level is adopted with the exception of D AUTO. If D AUTO was previously selected, the vehicle deceleration of the recuperation level D is set in transmission position R. With a subsequent change to transmission position D, the previously selected variable recuperation D AUTO is set again.

The driver display shows the currently set recuperation level next to the transmission position display.

### SETTING RECUPERATIVE DECELERATION MANUALLY (MERCEDES-AMG VEHICLES)

**Requirements:**

- Drive program EL or B is selected.
- ESP® is activated – ESP® ON.
- Active Distance Assist DISTRONIC is not activated.




- **Increase recuperation:** Pull shift paddle (1) briefly.
- **Reduce recuperation:** Pull shift paddle (2) briefly.
- **Default setting:** Pull and hold shift paddle (1) or (2) re-engage transmission position D.

The driver display shows the currently set recuperation level next to the transmission position display.

Information regarding the recuperation levels (⟶ page 326).

## ECO Assist (plug-in hybrid)

### ECO ASSIST FUNCTION

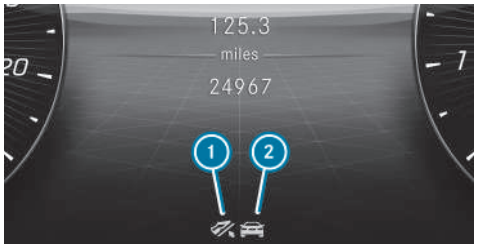
The following function depends on the equipment and the country and is available only for plug-in hybrids.

ECO Assist analyze data for the vehicle's expected route. This allows the system to help optimally adjust your driving style for the route ahead, save fuel and recuperate. If the system detects an event ahead and the vehicle nears the event, ECO Assist will calculate the optimum speed for maximum fuel economy and recuperative energy based on the distance, speed and downhill gradient.

If the deceleration provided by ECO Assist is not sufficient, the service brake can additionally be used for braking. This will apply in particular if, forexample, you start driving again in slow-moving traffic and the distance to the vehicle in front is minimal.

**THE FUNCTION WILL BE ACTIVE IN THE FOLLOWING CIRCUMSTANCES:**

- The function is activated in the multimedia system (⟶ page 329).
- The D AUTO recuperation level is selected (⟶ page 326).
- Manual shifting M is not activated.
- Drive program S is not selected.




(1) "Foot off the accelerator" recommendation
(2) Route event ahead

If a route event that you can deal with more efficiently by adjusting your driving style is detected ahead, corresponding symbol (2) and the symbol will be displayed in gray.

If you release the accelerator pedal, the symbol will turn green and recuperation in overrun mode will be initiated. If deceleration is not sufficient, additionally apply the service brake.

If ECO Assist intervenes for a route event ahead and you press the accelerator pedal, you will end control by ECO Assist. This does not apply in the case of a vehicle in front.

**THE ECO ASSIST DISPLAY WILL BE HIDDEN AGAIN IN THE FOLLOWING CASES:**

- You do not react to the ECO Assist recommendation for a certain period of time.
- You depress the accelerator pedal while ECO Assist is intervening due to a route event ahead. This does not apply in the case of a vehicle in front.
- ECO Assist cannot identify any further recommendations from the route ahead.

**IN ADDITION TO A VEHICLE IN FRONT , ECO ASSIST CAN DETECT THE FOLLOWING ROUTE EVENTS (2) DEPENDING ON THE VEHICLE'S EQUIPMENT:**

- traffic circle
- Sharp bend
- intersection
- T-intersection
- Downhill gradient
- Speed limit

**SYSTEM LIMITS**

ECO Assist will operate with greater accuracy if the calculated route is followed with route guidance active. The basic function is also available when route guidance is not active. Not all information and traffic situations can be anticipated. Quality will depend on the available map data.

ECO Assist serves solely as an aid. The driver is responsible for keeping a safe distance from the vehicle in front, for vehicle speed and for braking in good time.

**THE SYSTEM MAY BE IMPAIRED OR INOPERATIVE IN THE FOLLOWING SITUATIONS:**

- if there is poor visibility, e.g. due to insufficient illumination of the road, highly variable shade conditions, rain, snow, fog or heavy spray
- if there is glare, e.g. from oncoming traffic, direct sunlight or reflections
- if the windshield is dirty in the vicinity of the multifunction camera
- if the multifunction camera is fogged up, damaged or obscured
- if road signs are difficult to detect (e.g. due to dirt, snow or insufficient lighting) or because they are obscured
- if the digital road map of the navigation system has incorrect or outdated information
- if signs are ambiguous (e.g. road signs in roadworks or in adjacent lanes)
- if the radar sensors are dirty or obscured
- when you drive on roads with steep gradients
- if there are narrow vehicles in front, such as bicycles or motorcycles

**ACTIVATING AND DEACTIVATING ECO ASSIST**

Multimedia system:

Settings » Assistance » Driving

▶ Activate or deactivate the function.

## Function of the route-based operating-mode strategy (plug-in hybrid)

ⓘ The following function is country-dependent and available only in conjunction with an integrated navigation system.

**THE ROUTE-BASED OPERATING-MODE STRATEGY WILL BE ACTIVE IN THE FOLLOWING CIRCUMSTANCES:**

- Drive program H is selected .
- The Route Based option is selected for drive program H on the DYNAMIC SELECT menu (⟶ page 337).
- Route guidance is active.
- The state of charge of the high-voltage battery is sufficient.

When the function is active, data on the further course of the route will be evaluated. This includes e.g. road type, speed limits and elevation data.

**THE HYBRID SYSTEM WILL THEN ADAPT THE OPERATING STRATEGY TO THE FURTHER COURSE OF THE ROUTE:**

- Use of electrical energy and the combustion engine will be adapted.
- The state of charge of the high-voltage battery will be controlled accordingly.
- Electrical energy will be reserved especially for electric mode, e.g. urban route sections or areas with low emission zones.
- The vehicle will automatically select the operating mode.

## Function of the haptic accelerator pedal (plug-in hybrid)

The haptic accelerator pedal has an additional point of resistance followed by increased pedal resistance to help you drive in all-electric mode.

**CHARACTERISTICS OF THE ADDITIONAL POINT OF RESISTANCE:**

- Available only in drive program EL

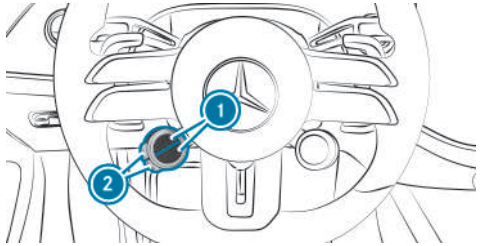
- Is used when the power availability display (POWER) of the electric drive system in the power meter is full (⟶ page 487, 486)
- Indicates the maximum available electric performance

  The subsequent increased pedal resistance indicates continued travel with the combustion engine.

## AMG Real Performance Sound

**SELECTING A SOUND CHARACTERISTIC WITH THE AMG STEERING WHEEL BUTTON**

ⓘ You can select a comfortable (Balanced) or a sporty (Powerful) sound characteristic using the steering-wheel button or the multimedia system (⟶ page 338).




► Press the upper or lower display button 1 repeatedly until it displays the symbol.

ⓘ If the display button does not show the symbol, then it is hidden. How functions are displayed and the order in which they are displayed can be set in the multimedia system (⟶ page 331).

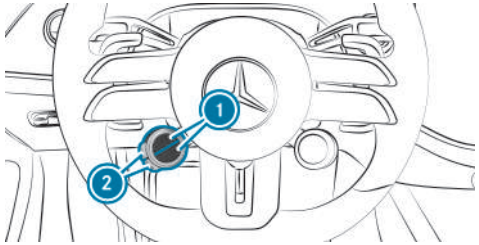
► Press corresponding button 2.

**THE COLOR OF THE BUTTON SYMBOL INDICATES THE CURRENTLY SELECTED SOUND CHARACTERISTIC:**

- **Blue:** Balanced – comfortable
- **Red:** Powerful – sporty

ⓘ In the sporty sound characteristic (Powerful), the vehicle produces speed-dependent driving noises up to approx. 62 mph (100 km/h).

## Function of the AMG steering wheel buttons




The AMG steering wheel buttons are an additional control element with two buttons on the steering wheel.

You can assign two vehicle functions of your choice to the control element. You can change between the available functions for the corresponding button 1 by pressing the upper or lower part of display buttons 2 repeatedly. The display buttons 1 show each function selected.

**THE FOLLOWING FUNCTIONS ARE AVAILABLE DEPENDING ON THE EQUIPMENT:**

- ESP® (⟶ page 395)
- AMG RIDE CONTROL (⟶ page 442)
- Manual shifting (⟶ page 346)
- AMG Real Performance Sound (⟶ page 330)
- Camera views (⟶ page 445)
- AMG DYNAMICS (⟶ page 335)

ⓘ Individual functions may be hidden. How functions are displayed and the order in which they are displayed can be set in the multimedia system (⟶ page 331).

If you have assigned a specific function to one of the display buttons ①, you can operate this function with the corresponding button ②.

The assignment of the display buttons ① remains stored even after a vehicle restart. But the operating status of the respective function is reset to the basic setting.

# Setting the AMG steering wheel buttons

Multimedia system:

Settings » System » Control Elements » AMG Steer. Wheel Buttons

**OVERVIEW OF THE AMG SETTINGS SELECT MENU**

The left display buttons on the steering wheel can be set in the SETTINGS SELECT menu.




(Example of representation) Representation and arrangement of content equipment-dependent.

① Selection area for the available functions
② Adjustable steering wheel buttons
③ Calls up setting mode

► Select the appropriate steering wheel button.

**SETTING THE STEERING WHEEL BUTTON**

ⓘ The SETTINGS SELECT menu can also be called up using the AMG button in the center console or by pressing and holding the respective display button.

► Select the upper or lower display button in the central display.

- Press [✎] and select the desired function for assignment from (1).

**ADDING NEW FUNCTIONS FOR SELECTION**

- Select the upper or lower display button in the central display.
- Press [+] in selection area (1) and select the desired function from the list.

  The selected function is assigned to selection area (1) and can be selected from there for the steering wheel buttons.

**DELETING BUTTON ASSIGNMENT**

- Select the upper or lower display button in the central display.
- Press [✎].
- Press [⊗] at the desired function to delete the selected assignment of the display button.

# DYNAMIC SELECT

## Function of DYNAMIC SELECT

DYNAMIC SELECT allows a drive program to be selected quickly according to the current driving conditions or the desired vehicle characteristics. You will be able to select the following drive programs.

ⓘ Depending on the engine line-up and equipment, the vehicle will have different drive programs.

The drive program selected will appear on the driver display.

I* INDIVIDUAL

- Custom settings (⟶ page 337)

S SPORT

- Maximum output is available
- Sporty driving
- Sporty, but with an emphasis on stability
- Enables a sporty driver to adopt a more active driving style
- Driving with the combustion engine and reinforced boost effect (plug-in hybrid)
- Suitable only for good road conditions, a dry surface and a clear stretch of road
- **Vehicles with AIRMATIC:** lowers the vehicle to low level -1

H HYBRID **(PLUG-IN HYBRID)**

- Comfortable and economical driving
- Balance between traction and stability
- Recommended for all road conditions
- Full development of all intelligent hybrid functions
- Adjustable recuperation in overrun mode
- The selection of the appropriate drive type by the hybrid system depends on the driving conditions and the route
- **Vehicles with AIRMATIC:**
  - Adjusts the vehicle to normal level
  - From approximately 75 mph (120 km/h): lowers the vehicle to low level -1
  - Below approximately 50 mph (80 km/h): raises the vehicle to normal level

C COMFORT

- Comfortable and economical driving
- Balance between traction and stability
- Recommended for all road conditions
- **Vehicles with AIRMATIC:**
  - Adjusts the vehicle to normal level

- From approximately 75 mph (120 km/h): lowers the vehicle to low level -1
- Below approximately 50 mph (80 km/h): raises the vehicle to normal level

### EL ELECTRIC **(PLUG-IN HYBRID)**

- Electric mode – driving without the combustion engine is possible up to approximately 87 mph (140 km/h)
- Adjustable recuperation in overrun mode
- Adaptation of Active Distance Assist DISTRONIC for electric mode
- Depending on the equipment, the maximum set speed for cruise control and Active Distance Assist DISTRONIC can be limited to the maximum speed possible in electric mode
- Activation of the combustion engine via the pressure point of the accelerator pedal (kickdown)
- **Vehicles with AIRMATIC:**
  - Adjusts the vehicle to normal level
  - From approximately 75 mph (120 km/h): lowers the vehicle to low level -1
  - Below approximately 50 mph (80 km/h): raises the vehicle to normal level

### B BATTERY HOLD **(PLUG-IN HYBRID)**

- Prioritizes maintaining the state of charge of the high-voltage battery, e.g. for subsequent journeys in inner cities/low emission zones
- The selection of the appropriate drive type by the hybrid system depends on the driving conditions and the route
- Adjustable recuperation in overrun mode
- **Vehicles with AIRMATIC:**
  - Adjusts the vehicle to normal level
  - From approximately 75 mph (120 km/h): lowers the vehicle to low level -1
  - Below approximately 50 mph (80 km/h): raises the vehicle to normal level

### E ECO

- Particularly economical driving
- Balance between traction and stability
- Recommended for all road conditions
- **Vehicles with AIRMATIC:** lowers the vehicle to low level -1

ⓘ The ESP® settings in the E and C drive programs are designed for stability. Therefore, choose one of these drive programs especially when transporting roof loads, in trailer operation and when the vehicle is fully laden or fully occupied.
**Plug-in hybrid:** this also applies to drive programs H, EL and B.

ⓘ **Vehicles with AIRMATIC:** below approximately 37 mph (60 km/h), you can also manually raise the vehicle to off-road level +1 in any drive program (⟶ page 441).

**DEPENDING ON THE DRIVE PROGRAM, THE FOLLOWING SYSTEMS WILL CHANGE THEIR CHARACTERISTICS:**

- Drive

  - Engine and transmission management
  - Active Distance Assist DISTRONIC
  - Availability of gliding mode
- ESP®
- **Vehicles with AIRMATIC:** suspension
  - Suspension and damping
  - Vehicle level
- Steering
- Sound characteristics of the engine in the vehicle interior (equipment-dependent)

# Function of DYNAMIC SELECT (Mercedes-AMG vehicles)

DYNAMIC SELECT allows a drive program to be selected quickly according to the current driving conditions or the desired vehicle characteristics.

**YOU CAN SELECT THE FOLLOWING DRIVE PROGRAMS:**

- Slippery
  - Optimizes pulling-away and driving characteristics in wintry and slippery road conditions
  - The hybrid system will select the appropriate drive type depending on the driving conditions
- B Battery Hold
  - Prioritizes maintaining the state of charge of the high-voltage battery, e.g. for subsequent journeys in inner cities/low-emission zones
  - The hybrid system will select the appropriate drive type depending on the driving conditions
- EL Electric
  - Electric mode: driving without the combustion engine is possible up to approximately 85 mph (140 km/h).
  - Limits the maximum set speed for Active Distance Assist DISTRONIC to the maximum speed possible in electric mode
  - Activates the combustion engine via the first pressure point of the haptic accelerator pedal
- C Comfort
  - Comfortable and economical driving
  - The hybrid system will select the appropriate drive type depending on the driving conditions
- I* Individual
  - Custom settings for drive system, transmission, AMG DYNAMICS, suspension and sound
- S Sport
  - Sporty driving
  - Balance between stability and sportiness
  - Driving using the combustion engine and reinforced boost effect
  - Suitable only for good road conditions, a dry surface and a clear stretch of road
- S+ Sport+
  - Particularly sporty driving
  - Emphasizes the vehicle's own oversteer and understeer characteristics
  - Driving using the combustion engine and reinforced boost effect

- Suitable only for good road conditions, a dry surface and a clear stretch of road

Mercedes-AMG recommends selecting drive program C or EL when in city traffic or stop-and-go traffic.

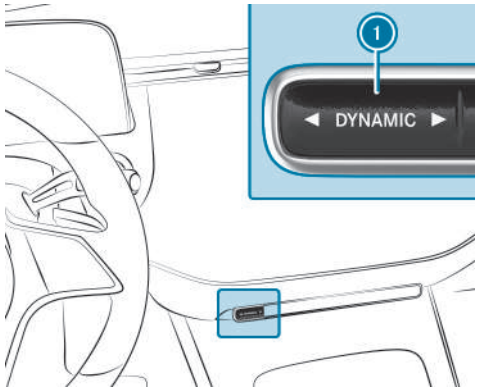
**DEPENDING ON THE DRIVE PROGRAM SELECTED, THE FOLLOWING VEHICLE CHARACTERISTICS WILL CHANGE:**

- Drive
  - Energy supply for the electric drive output
- AMG DYNAMICS
  - The three agility functions, Basic, Advanced and Pro, will be selected automatically depending on the drive program.
  - The steering, shift timing point, all-wheel drive and stabilization functions will be adapted to the selected drive program.
- Real Performance Sound
- Sound of the drive system in the vehicle interior
- Suspension
- Steering

ⓘ You can set the drive program characteristics using the multimedia system (⟶ page 338).

ⓘ You can adjust the agility functions of AMG DYNAMICS using the AMG steering-wheel buttons.

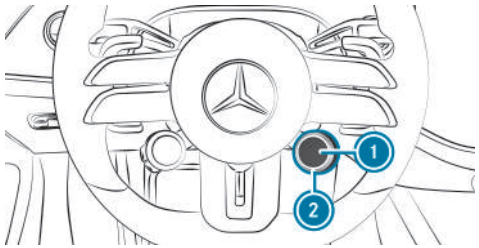
## Selecting a drive program




► Press DYNAMIC SELECT button 1 on the left or right.
The drive program selected will appear on the driver display.

## Selecting a drive program (Mercedes-AMG vehicles)

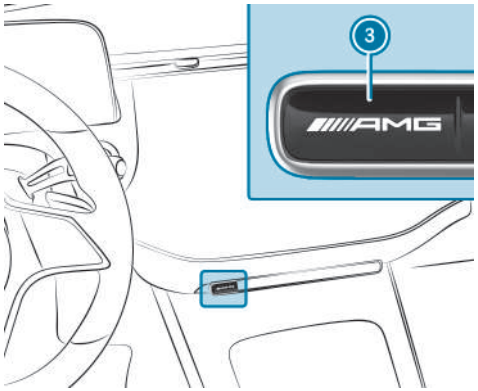
**SELECTION WITH THE RIGHT-HAND AMG STEERING-WHEEL BUTTON**




► Turn rotary switch 2.
The selected drive program will appear on display button 1 and on the driver display.

Individual drive programs may not be shown. How drive programs are displayed and the order in which they are displayed can be set in the multimedia system (⟶ page 338).

**SELECTION VIA THE CENTRAL DISPLAY (MULTIMEDIA SYSTEM)**




- Press button (3) and select the drive program via the central display (⟶ page 338).

## Configuring DYNAMIC SELECT in the multimedia system

Multimedia system:

Settings ▸▸ Vehicle ▸▸ DYNAMIC SELECT

**SETTING THE I DRIVE PROGRAM**

- Select I* Individual.
- Select and set a category.

A sporty ESP mode can be set in conjunction with a sporty suspension mode.

**SETTING THE H DRIVE PROGRAM (PLUG-IN HYBRID)**

- Select Hybrid.
- Select Route Based or Standard.

  If route guidance is active and the Route Based option has been activated, the electrical energy is distributed intelligently over the entire route. In built-up areas, electric mode is preferred, while on the freeway the combustion engine is used.

  With the Standard option, the vehicle drives in its standard drive program (EL Electric or H Hybrid). There is no distribution of electrical energy over the entire route. The high-voltage battery is exhausted and the vehicle is then driven by the combustion engine.

## Displaying vehicle data

Multimedia system:

Info

- Select Vehicle.

  The vehicle data is displayed.

## Displaying engine data

Multimedia system:

Info

- Select Engine.

  The engine data is displayed.

The actual (maximum) values that can be achieved for engine output and engine torque may deviate from the certified values within the country-specific guidelines for permissible tolerances (basis: UN-ECE No. 85 or country-specific guidelines).

**INFLUENCING VARIABLES INCLUDE:**

- Sea level
- Fuel quality
- Outside temperature
- Operating temperature of the engine

Adjust your driving style accordingly.
The warning lamp in the driver display is on until the engine has reached operating temperature.

The values displayed serve only as guidance. The values for engine output and engine torque shown on the central display may deviate from the actual values.

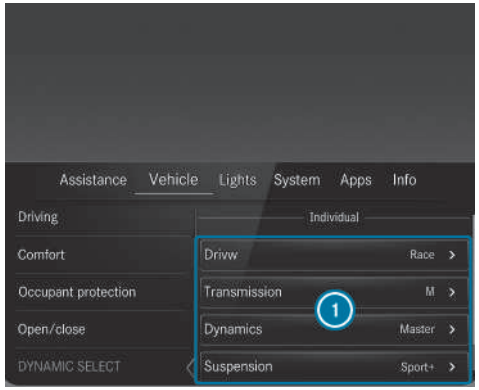
The warning lamp to show the power output limitation after starting the vehicle is not available in all vehicle models.

# Setting AMG DYNAMIC SELECT in the MBUX multimedia system

Multimedia system:

Settings » Vehicle » DYNAMIC SELECT

**SETTING THE INDIVIDUAL DRIVE PROGRAM USING THE MULTIMEDIA SYSTEM**




(Example of representation) Representation and arrangement of content equipment-dependent.

1 Drive program settings

► Select the appropriate setting option.

## SETTING DRIVE PROGRAMS USING THE AMG BUTTON




(Example of representation) Representation and arrangement of content equipment-dependent.

1. AMG drive program settings
2. Drive programs
3. ESP® (⟶ page 395)

► Press the AMG button in the center console.

► Select I* Individual.

► Select and set a category.

ⓘ A sporty ESP mode can be set in conjunction with a sporty suspension mode.

## SETTING OPTIONS FOR THE DRIVE PROGRAMS (EQUIPMENT-DEPENDENT):

- AMG DYNAMICS:
  Basic/Advanced/Pro
- Suspension:
  Comfort/Sport/Sport+
- Sound:
  Balanced/Powerful
- Drive (can only be set in the I* Individual drive program):
  Reduced/Moderate/Sport/Dynamic
- Transmission:
  M/D

The settings of the drive programs can be adjusted individually. The setting mode for the drive programs can also be called up by pressing and holding the current configuration in selection area 2.

## FURTHER SETTING OPTIONS

- Setting ESP®

# Automatic transmission

## DIRECT SELECT lever

**FUNCTION OF THE DIRECT SELECT LEVER**

**WARNING**
Risk of accident due to incorrect gearshifting

If the engine speed is higher than the idle speed and you engage the transmission position D or R, the vehicle may accelerate sharply.

- ► If you engage the transmission position D or R when the vehicle is at a standstill, always depress the brake pedal firmly and do not accelerate at the same time.

**WARNING**
Risk of accident and injury due to children left unattended in the vehicle

**IF YOU LEAVE CHILDREN UNATTENDED IN THE VEHICLE, THEY COULD, IN PARTICULAR:**

- open doors, thereby endangering other persons or road users.
- get out and be struck by oncoming traffic.
- operate vehicle equipment and become trapped, for example.

**IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION BY, FOR EXAMPLE:**

- releasing the parking brake.
- changing the gearbox position.
- starting the vehicle.

- ► Never leave children unattended in the vehicle.
- ► When leaving the vehicle, always take the key with you and lock the vehicle.
- ► Keep the key out of reach of children.

This also applies to the Digital Vehicle Key.

**WARNING**
Risk of accident– and injury when the transmission position is not engaged

The current transmission position will be highlighted on the driver display.

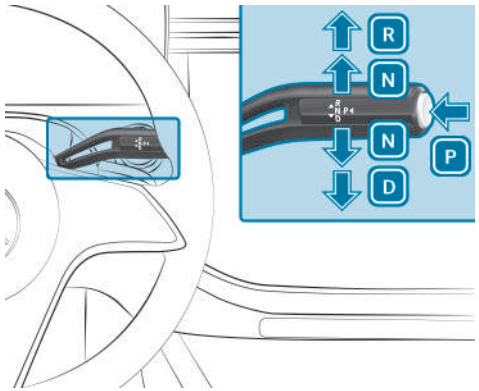
If the selected transmission position is not highlighted, the vehicle may pull away in the wrong direction or roll away.

- After changing the transmission position, always check the transmission position indicator on the driver display.

If the transmission position is not highlighted on the driver display even after a short time:

- Pay attention to the display messages.
- Pull away carefully and check the engaged transmission position.
- When parking, engage the parking brake and secure the vehicle against rolling away.
- Have the transmission checked immediately at a qualified specialist workshop.

Use the DIRECT SELECT lever to switch the transmission position. The current transmission position will be highlighted on the driver display.



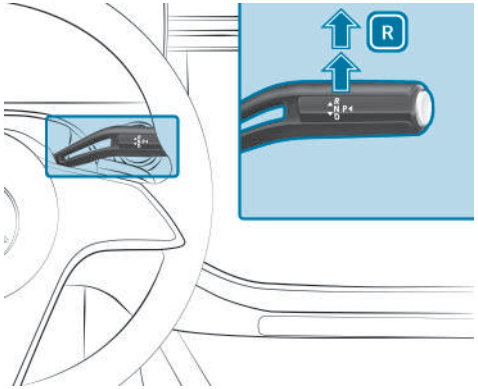

P Park position
R Reverse gear
N Neutral
D Drive position

**ENGAGING REVERSE GEAR R**

**WARNING**
Risk of accident due to incorrect gearshifting

If the engine speed is higher than the idle speed and you engage the transmission position D or R, the vehicle may accelerate sharply.

- If you engage the transmission position D or R when the vehicle is at a standstill, always depress the brake pedal firmly and do not accelerate at the same time.



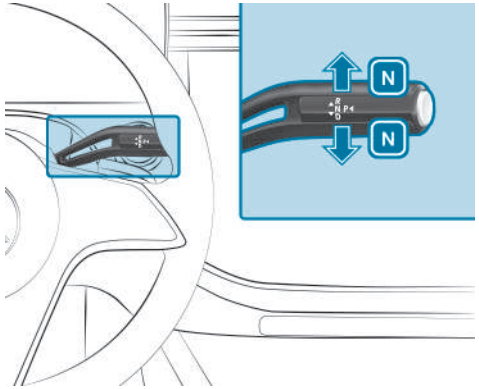

- Depress the brake pedal and push the DIRECT SELECT lever upwards past the first point of resistance.

**ENGAGING NEUTRAL N**

**WARNING**
Risk of accident due to incorrect gearshifting

If the engine speed is higher than the idle speed and you engage the transmission position D or R, the vehicle may accelerate sharply.

- If you engage the transmission position D or R when the vehicle is at a standstill, always depress the brake pedal firmly and do not accelerate at the same time.




- Depress the brake pedal and push the DIRECT SELECT lever up or down to the first point of resistance.

To shift into neutral N with the vehicle switched on, push the selector lever up or down for several seconds to the first point of resistance.

Subsequently releasing the brake pedal will allow you to move the vehicle freely, e.g. to push it or tow it away.

**PROCEED AS FOLLOWS IF YOU WANT THE AUTOMATIC TRANSMISSION TO REMAIN IN NEUTRAL N, EVEN IF THE VEHICLE IS SWITCHED OFF OR THE DRIVER'S DOOR IS OPENED:**

- Depress the brake pedal and engage neutral N when the vehicle is at a standstill.
- Release the brake pedal.
- Switch off the vehicle.

The Risk of Vehicle Rolling Away N Activated Manually No Automatic Change to P message appears on the driver display.

If you then exit the vehicle leaving the key in the vehicle, the automatic transmission will remain in neutral [N].
**Vehicles with Digital Vehicle Key:** Make sure that a vehicle key or Digital Vehicle Key is in the vehicle and that the automatic transmission remains in neutral [N].

**IF THE AUTOMATIC TRANSMISSION DOES NOT STAY IN NEUTRAL [N]:**

- Restart the vehicle and repeat the procedure.

**PARK POSITION [P] WILL AUTOMATICALLY BE RE-ENGAGED AS SOON AS ONE OF THE FOLLOWING CONDITIONS IS MET:**

- You switch to transmission position [D] or [R].
- You press the button [P].

**ENGAGING PARK POSITION P**

**WARNING**
Risk of accident and injury due to children left unattended in the vehicle

**IF YOU LEAVE CHILDREN UNATTENDED IN THE VEHICLE, THEY COULD, IN PARTICULAR:**

- open doors, thereby endangering other persons or road users.
- get out and be struck by oncoming traffic.
- operate vehicle equipment and become trapped, for example.

**IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION BY, FOR EXAMPLE:**

- releasing the parking brake.
- changing the gearbox position.
- starting the vehicle.

► Never leave children unattended in the vehicle.

► When leaving the vehicle, always take the key with you and lock the vehicle.

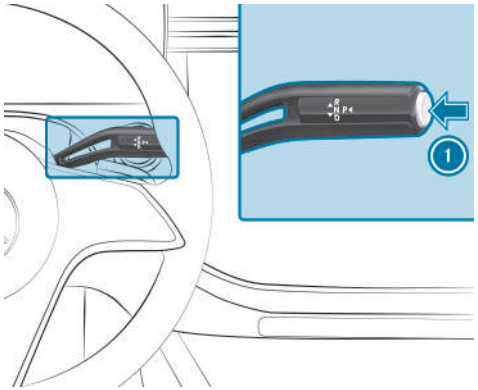
► Keep the key out of reach of children.

This also applies to the Digital Vehicle Key.

**NOTE**
Damage due to engaging park position P while the vehicle is rolling

If you shift the transmission into park position P while the vehicle is rolling, the transmission may be damaged.

- If the vehicle is rolling, do not open a door.
- Only engage park position P when the vehicle is stationary.




- Observe the notes on parking the vehicle (⟶ page 377).
- Depress the brake pedal until the vehicle comes to a standstill.
- When the vehicle is stationary, press the button (1).
  When the transmission position display P is shown, park position is engaged. If the transmission position display P is not shown, apply the parking brake and secure the vehicle to prevent it from rolling away.

Depending on the respective situation, it may take a short while before P engages. Therefore, always pay attention to the transmission position display.

**PARK POSITION P WILL BE ENGAGED AUTOMATICALLY IF ONE OF THE FOLLOWING CONDITIONS IS MET:**

- You switch the stationary vehicle off in transmission position D or R.
- You open the driver's door when the vehicle is stationary in transmission position D or R.
- When the vehicle is rolling, you switch it off in transmission position D or R and slow it to a standstill.
- When the vehicle is rolling, you shift to transmission position N, slow the vehicle to a standstill and open the driver's door when the vehicle is stationary.
- Automatic engagement of park position P is required for the vehicle.

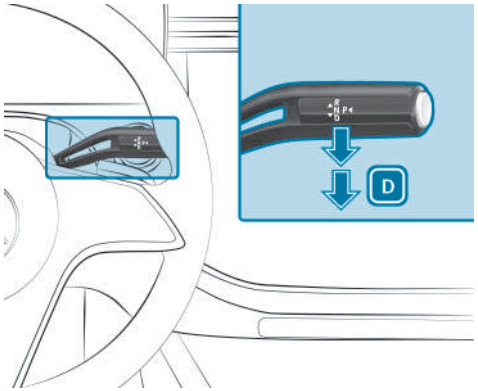
To maneuver with the driver's door open, open the driver's door while the vehicle is stationary and engage transmission position D or R again.

**ENGAGING DRIVE POSITION D**

**WARNING**
Risk of accident due to incorrect gearshifting

If the engine speed is higher than the idle speed and you engage the transmission position D or R, the vehicle may accelerate sharply.

- If you engage the transmission position D or R when the vehicle is at a standstill, always depress the brake pedal firmly and do not accelerate at the same time.




- Depress the brake pedal and push the DIRECT SELECT lever down past the first point of resistance.

**WHEN THE AUTOMATIC TRANSMISSION IS IN TRANSMISSION POSITION D, IT WILL SHIFT GEARS AUTOMATICALLY. THIS DEPENDS, AMONG OTHER THINGS, ON THE FOLLOWING FACTORS:**

- The selected drive program
- The position of the accelerator pedal
- The vehicle speed

## Rocking the vehicle free (Mercedes-AMG vehicles)

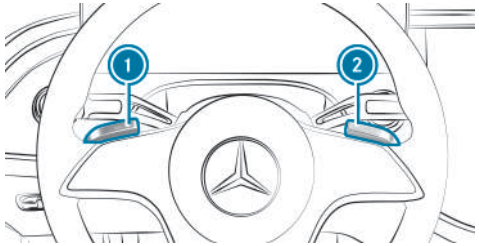
Rocking the vehicle free may help to free the vehicle if it has become stuck in slush or snow.

To rock the vehicle free, move the DIRECT SELECT lever upwards and downwards past the pressure point to switch between transmission positions D and R.

The maximum speed for rocking the vehicle free is approximately 6 mph (9 km/h).

## Manual shifting

For plug-in hybrids, observe the information on the regenerative brake system (→ page 325).




When the automatic transmission is shifted to position D, you can shift it manually with the steering wheel paddle shifters. If permitted, the automatic transmission will shift to a higher or lower gear depending on the steering wheel paddle shifter pulled.

**YOU HAVE TWO OPTIONS FOR MANUALLY SHIFTING THE AUTOMATIC TRANSMISSION:**

- Temporary setting
- Permanent setting

The gears will shift automatically when manual shifting is deactivated.

**Temporary setting:**

► **To activate:** pull steering wheel paddle shifter (1) or (2).
Manual shifting will be activated for a short time. The transmission position display will show M and the current gear.

ⓘ For how long manual shifting stays activated depends on various factors.
**MANUAL SHIFTING CAN BE DEACTIVATED AUTOMATICALLY IN THE FOLLOWING CASES:**

- When the drive program is changed
- When the vehicle is restarted
- When transmission position D is engaged again
- Driving style

► **To shift up:** pull the steering wheel paddle shifter (2).

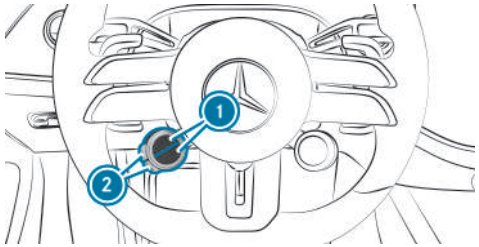
► **To shift down:** pull the steering wheel paddle shifter (1).

► **To deactivate:** pull and hold the steering wheel paddle shifter (2).
The transmission position display will show D.

ⓘ You can activate or deactivate manual shifting permanently in the multimedia system.

## Manual shifting (Mercedes-AMG vehicles)

ⓘ You can also permanently activate and deactivate manual gear-shifting via the multimedia system (⟶ page 338).




► Press upper or lower display button (1) repeatedly until it displays the D or M symbol.

ⓘ If the display button does not show the symbol, then it is hidden. How functions are displayed and the order in which they are displayed can be set in the multimedia system (⟶ page 331).

► **To activate/deactivate:** press the corresponding button (2).
**THE SYMBOL INDICATES THE CURRENTLY SELECTED TRANSMISSION POSITION:**

- M (red): manual shifting
- D (blue): automatic transmission

Automatic transmission must be selected for electric mode. If you select manual mode in drive program EL, the drive program will change to C and the combustion engine will start. If you are driving in electric mode in drive program B or C and select manual mode, the combustion engine will start.

**SHIFTING UP AND DOWN**
**Requirements**

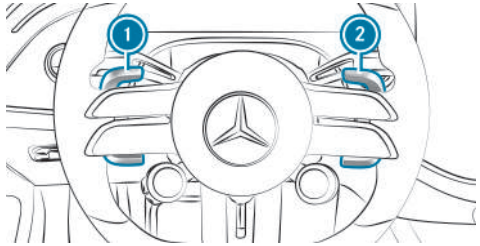
- Drive program EL or B is not selected.

**NOTE**
Damage to the engine due to shifting up too late

The automatic transmission does not shift up in manual mode even when the engine's limiting speed is reached.

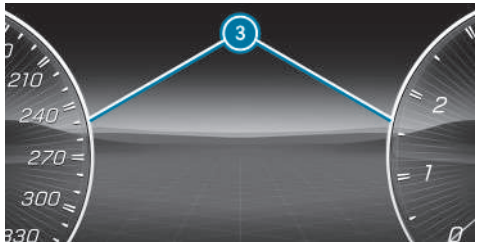
The fuel supply is interrupted in order to prevent the engine from overrevving.

► Shift up before the engine speed reaches the red area in the tachometer.




► **To shift up:** pull the steering wheel gearshift paddle (2).

► **To shift down:** pull the steering wheel gearshift paddle (1).




If the engine speed is too high or too low, you will not be able to change gear using the steering wheel gearshift paddles. In this case, segments (3) will light up red on the driver display.

## Permanently activating/deactivating manual shifting

Multimedia system:

Settings >> Vehicle >> Driving

► Permanently activate or deactivate the function.

## Gearshift recommendation

When manual shifting is activated, gearshift recommendation will assist you in adopting an economical driving style.



- When gearshift recommendation (1) appears on the driver display, shift to the recommended gear.

## Using kickdown

- **Maximum acceleration:** depress the accelerator pedal beyond the point of resistance.

To protect against engine overrev, the automatic transmission will shift up to the next gear when maximum engine speed has been reached.

## Gliding mode function

Gliding mode helps you to reduce fuel consumption when you employ an anticipatory driving style.

**GLIDING MODE IS CHARACTERISED BY THE FOLLOWING:**

- The combustion engine is switched off depending on the driving situation. All the vehicle functions will remain active.
- The transmission position display [D] is shown in green.

**GLIDING MODE WILL BE ACTIVATED IF THE FOLLOWING CONDITIONS ARE MET:**

- The ECO start/stop function is switched on.
- Drive program [E] is selected.
- The speed is within a suitable range.
- The road's course is suitable, e.g. no steep inclines or tight bends.
- The state of charge of the battery is sufficient.
- You do not depress the accelerator or brake pedal (except for light brake applications).

Gliding mode can also be activated if you have selected the "Eco" setting for the drive in drive program [I*].

Gliding mode will be deactivated again if one of the conditions is no longer met.

**GLIDING MODE CAN ALSO BE PREVENTED BY THE FOLLOWING PARAMETERS:**

- Incline
- Downhill gradient
- Temperature
- Height
- Speed
- Operating status of the engine
- Traffic situation

# Function of 4MATIC

4MATIC ensures that all four wheels are driven. Together with ESP® and 4ETS, 4MATIC improves the traction of your vehicle whenever a driven wheel spins due to insufficient traction.

If you fail to adapt your driving style, 4MATIC can neither reduce the risk of an accident nor override the laws of physics. 4MATIC cannot take account of road, weather and traffic conditions. 4MATIC is only an aid. You are responsible in particular for maintaining a safe distance from the vehicle in front, for vehicle speed, for braking in good time and for staying in lane.

ⓘ In wintry road conditions, the maximum effect of 4MATIC can be achieved only if you use winter tires (M+S tires), with snow chains if necessary.

# Refueling

## Refueling the vehicle

**WARNING**
Risk of fire or explosion from fuel

Fuels are highly flammable.

- Fire, open flames, smoking and creating sparks must be avoided.
- Before refueling, switch off the vehicle and, if installed, the stationary heater, and leave them switched off during refueling.

**WARNING**
Risk of injury from fuels

Fuels are poisonous and hazardous to your health.

- Do not swallow fuel or let it come into contact with skin, eyes or clothing.
- Do not inhale fuel vapor.
- Keep children away from fuel.
- Keep doors and windows closed during the refueling process.

If you or other people come into contact with fuel, observe the following:

- Immediately rinse fuel off your skin with soap and water.
- If fuel comes into contact with your eyes, immediately rinse them thoroughly with clean water. Seek medical attention immediately.
- If you swallow fuel, seek medical attention immediately. Do not induce vomiting.
- Change immediately out of clothing that has come into contact with fuel.

**WARNING**
Risk of fire and explosion due to electrostatic charge

Electrostatic charge can ignite fuel vapor.

- ► Before you open the fuel filler cap or take hold of the pump nozzle, touch the metallic vehicle body.
- ► To avoid creating another electrostatic charge, do not get into the vehicle again during the refueling process.

**NOTE**
Damage caused by the wrong fuel

Vehicles with a gasoline engine:

Even small amounts of the wrong fuel could result in damage to the fuel system, the engine and the emission control system.

- ► Refuel only with low-sulfur spark-ignition engine fuel.

This fuel may contain up to 10% ethanol. Your vehicle is suitable for use with E10 fuel.

**NEVER REFUEL WITH ANY OF THE FOLLOWING FUELS:**

- Diesel
- Gasoline with more than 10% ethanol by volume, e.g. E15, E85, E100
- Gasoline with more than 3% methanol by volume, e.g. M15, M30, M85, M100
- Gasoline with metallic additives

If you have accidentally refueled with the wrong fuel:

- ► Do not switch on the vehicle.
- ► Consult a qualified specialist workshop.

**NOTE**
Do not use diesel to refuel vehicles with a gasoline engine

**IF YOU HAVE ACCIDENTALLY REFUELED WITH THE WRONG FUEL:**

- Do not switch on the vehicle. Otherwise fuel can enter the engine.
  Even small amounts of the wrong fuel could result in damage to the fuel system and the engine. The repair costs are high.

► Consult a qualified specialist workshop.

► Have the fuel tank and fuel lines drained completely.

**NOTE**
Damage to the fuel system due to overfilling the fuel tank

► Only fill the fuel tank until the pump nozzle switches off.

If too much fuel has been added due, for example, to a faulty filling pump:

► Do not switch on the vehicle.

► Consult a qualified specialist workshop.

**NOTE**
Fuel may spray out when you remove the fuel pump nozzle

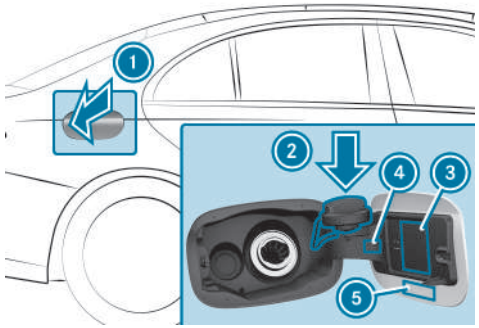
► Only fill the fuel tank until the pump nozzle switches off.

**Requirements:**

- The vehicle is unlocked.
- **Plug-in hybrid with gasoline engine:** the fuel tank was vented before refueling (⟶ page 353).

Observe the notes on operating fluids and fuel.

Only refuel with fuel that has at least the octane number specified in the information label on the inside of the fuel filler flap. Otherwise engine output may be reduced and fuel consumption increased.

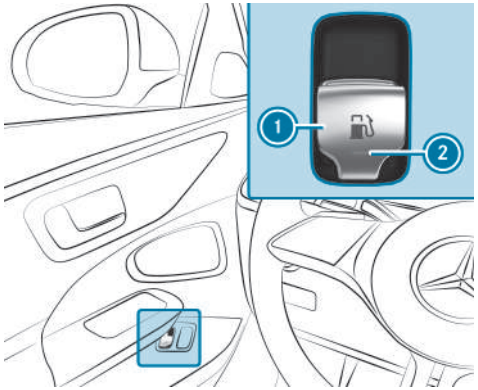



1. Fuel filler flap
2. Bracket for the fuel filler cap
3. Tire pressure table
4. QR code for rescue card
5. Fuel type

ⓘ **Plug-in hybrid with gasoline engine:** the fuel filler flap opens automatically after the fuel tank has been vented (⟶ page 353).

- Press in the center of the rear area of the fuel filler flap (1).
- Turn the fuel filler cap counter-clockwise and remove it.
- Insert the fuel filler cap from above into the bracket (2).
- Completely insert the pump nozzle into the tank filler neck, hook in place and refuel.
- Only fill the fuel tank until the pump nozzle switches off.
- Replace the fuel filler cap on the tank filler neck and turn clockwise until it engages audibly.
- Close the fuel filler flap (1).

## Depressurizing the fuel tank (plug-in hybrid with petrol engine)




- Pull the button (1) once briefly.

  The indicator lamp (2) flashes and the Please Wait Depressurizing Fuel Tank message appears on the driver display.

  When the fuel tank is depressurized, the indicator lamp (2) lights up continuously.

  The Fuel Tank Is Depressurized Ready for Refueling message appears on the driver display and the fuel filler flap opens automatically.

ⓘ Depressurizing the fuel tank may take several minutes under certain circumstances.

The fuel tank can be depressurized only if the conditions described above are fulfilled. Otherwise, drive the vehicle at least 1/3 mile (0.5 km) and repeat the process.

ⓘ **THE FOLLOWING SITUATIONS INDICATE A MALFUNCTION:**

- The indicator lamp (2) starts flashing and then goes out.
- The yellow engine diagnosis warning lamp lights up.

**NOTE**

Damage to the fuel filler flap when opening it

If an attempt is made to open a fuel filler flap that is not unlocked, the fuel filler flap or the opening mechanism may be damaged.

- Only refuel when the fuel filler flap has opened automatically.

You can watch an animation on this topic via the following link:

# Charging the high-voltage battery (plug-in hybrid)

## Notes on charging the high-voltage battery

**DANGER**
Danger to life from improper handling of the Mercedes-Benz Power Charger

Improper use of the Mercedes-Benz Power Charger may, for example, result in fires or an electric shock.

► Observe the notes in the Operator's Manual about the Mercedes-Benz Power Charger. Potential dangers may otherwise remain undetected.

**NOTE**
High-voltage battery damage due to leaving the vehicle idle for lengthy periods of time

Lithium-ion batteries experience a natural self-discharge.

Exhaustive discharging can therefore occur if the vehicle is not in operation for several months. This can damage the high-voltage battery.

► To avoid damage, please observe the following recommendations when handling the high-voltage battery.

**NOTE**
Accelerated aging of the high-voltage battery if the following recommendations are not observed

Due to its basic characteristics, the storage capacity of and amount of energy available from the high-voltage battery will decrease over the course of its life. Both the maximum electric range that can be achieved by the vehicle and its maximum electrical output may be impaired as a result.

**THE FOLLOWING FACTORS CAN ACCELERATE THE AGING OF THE HIGH-VOLTAGE BATTERY:**

- a high state of charge of the high-voltage battery, especially if the vehicle is parked for a longer period of time
- frequent fast charging with direct current (DC charging level 3)
- high ambient temperatures during long idle times

► To avoid accelerated aging, observe the recommendations for handling the high-voltage battery described below.

**NOTE**
Damage to the drive system when the high-voltage battery is charged at extreme altitudes

The drive system may be damaged if you charge the high-voltage battery at extreme altitudes more than 13123.36 ft (4000 m) above sea level.

In this case, it may no longer be possible to continue driving the vehicle.

► Avoid charging processes at extreme altitudes.

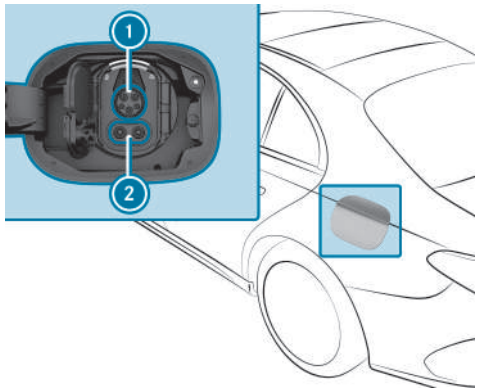
**RECOMMENDATIONS WHEN HANDLING THE HIGH-VOLTAGE BATTERY:**

- Only fast charge the high-voltage battery with direct current (DC charging level 3) as needed.
- Charge the high-voltage battery on average up to a state of charge of 80 %. From a state of charge of 80 %, the charging time increases significantly.
- In case of longer idle times, switch off the vehicle with a state of charge of the high-voltage battery between 25 % and 30 %. Do not permanently connect the high-voltage battery to power supply equipment.
- In the case of longer non-operational periods, avoid high outside temperatures wherever possible.
- Check the high-voltage battery's state of charge every six weeks (⟶ page 376).
- Make sure to charge the high-voltage battery if the state of charge is below 15 %.
- Do not disconnect the 12 V battery even if the vehicle is left non-operational for a long period. Otherwise the condition of the vehicle's high-voltage battery cannot be monitored.
- When using the high-voltage battery only with low states of charge, fully charge the high-voltage battery twice a year.

You can display the status of the high-voltage battery together with the mileage travelled since the last update. Depending on the equipment, the reserve energy is also displayed (⟶ page 659).

**DEPENDING ON THE EQUIPMENT, YOUR VEHICLE IS EQUIPPED WITH ONE OF THE FOLLOWING VEHICLE SOCKETS:**

- Type 1 for AC charging (level 1/2)
- Type Combo 1 for AC charging (level 1/2) and DC charging (level 3)




Example: type Combo 1 vehicle socket

1 Alternating current charging connection (AC charging)

2 Socket extension for direct current charging (DC charging)

With direct current charging (DC charging), both areas of the vehicle socket are covered by the charging cable plug.

**CHARGING OPTIONS FOR THE HIGH-VOLTAGE BATTERY:**

- While driving by means of recuperation
- Stationary alternating current charging (AC charging):
  - at a mains socket (level 1) (→ page 356)
  - at a wallbox or public charging station (level 2) (→ page 358)
- Stationary direct current charging (DC charging):
  - at a fast charging station (level 3) (→ page 359)

Depending on the country-specific vehicle equipment and your vehicle's charging cable, single-phase AC charging is also possible.

Observe the different mains requirements of your current location when charging. Only use charging cables which conform to the mains requirements. Consult a qualified electrician or your local mains operator if you have any questions.

It is recommended that you charge the high-voltage battery at a wallbox or charging station due to the higher charging power and better charging efficiency offered.

Information on charging settings (→ page 554).

**SYSTEM LIMITS**

**THE PERFORMANCE OF THE HIGH-VOLTAGE BATTERY MAY BE IMPAIRED BY THE FOLLOWING:**

- high or low outside temperatures
- electrical auxiliary consumers in the vehicle being switched on, e.g. operating the climate control system
- extended idle time without charging

**THE CHARGING TIME OR THE CHARGING POWER OF THE HIGH-VOLTAGE BATTERY MAY BE INCREASED BY THE FOLLOWING:**

- high or low outside temperatures
- a low or high state of charge of the high-voltage battery
- the maximum available charging current of the charging device
- the charging current set on the Mercedes-Benz Power Charger (level 1/2) (see Mercedes-Benz Power Charger operating instructions)
- the age of the high-voltage battery

## Notes on charging the high-voltage battery at a mains socket (level 1)

**DANGER**
Danger to life from improper handling of the Mercedes-Benz Power Charger

Improper use of the Mercedes-Benz Power Charger may, for example, result in fires or an electric shock.

► Observe the notes in the Operator's Manual about the Mercedes-Benz Power Charger. Potential dangers may otherwise remain undetected.

**DANGER**
Risk of fatal injury from incorrectly installed component parts

Connecting the charging cable to a mains socket using incorrectly installed component parts could cause fires or an electrical shock, for example.

- ► Only connect the charging cable to a mains socket that:
- has been properly installed and
- has been inspected by a qualified electrician.
- ► For safety reasons, only use the charging cable supplied with the vehicle or a genuine Mercedes-Benz charging cable.
- ► Purchase these parts at a Mercedes-Benz service center and obtain advice there.

Mercedes-Benz thoroughly tests these original charging cables for their suitability for high-voltage charging of your vehicle.

- ► If no Mercedes-Benz charging cable is available, use a charging cable that has been tested and approved by the charging cable manufacturer for charging your vehicle's high-voltage battery.
- ► Never use a damaged charging cable.
- ► Do not use:
- Extension cables
- Cable reels
- Power strips
- ► Only use a socket adapter that has been tested and approved by the manufacturer for charging the high-voltage battery in an electric vehicle. Never use multiple socket adapters. For charging at the mains socket, only use appropriate socket adapters for AC charging.
- ► Observe the safety notes in the Operator's Manual for the socket adapter.

The charging process can vary depending on the power supply equipment. The charging times when charging the high-voltage battery at a mains socket are considerably longer than when charging at a wallbox or charging station.

**MERCEDES-BENZ RECOMMENDS THE FOLLOWING CHARGING POWER:**

- at least 1.4 kW/phase for reliable charging to avoid unwanted charging breaks or interruptions
- the maximum possible charging power for efficient charging

Only use the charging cable supplied with the vehicle or a Mercedes-Benz charging cable approved for your vehicle in your country for charging at a mains socket.

If a Mercedes-Benz charging cable is not available in your country, use a charging cable that fulfils the current local technical and regulatory requirements and has been tested and approved for your vehicle by the charging cable manufacturer for charging at a mains socket. If you use a charging cable of this type, be sure to observe the instructions on the maximum permissible charging current (→ page 360).

Information on approved charging cables can be obtained from a qualified specialist workshop.

Do not leave the charging cable control element hanging loose from a mains socket.

**DO NOT LIFT THE CONTROL ELEMENT BY THE FOLLOWING COMPONENTS:**

- The charging cable plug
- The mains plug

When charging, protect the charging cable control element from excessive heat such as direct sunlight. Otherwise the charging process may be aborted.

## Notes on charging the high-voltage battery at a wallbox or charging station (level 2)

**DANGER**
Risk of fatal injury from incorrectly installed component parts

Connecting the charging cable to a wallbox using incorrectly installed components could cause fires or an electrical shock, for example.

- ► Only connect the charging cable to a wallbox that:
  - has been properly installed and
  - has been inspected by a qualified electrician.
- ► For safety reasons, only use charging cables that have been tested and approved by the manufacturer for charging the high-voltage battery in an electric vehicle.
- ► Never use damaged charging cables.
- ► Do not extend the charging cable.
- ► Only use a socket adapter that has been tested and approved by the manufacturer for charging the high-voltage battery in an electric vehicle. Never use several socket adapters. For charging at the wallbox or charging station with alternating current, only use socket adapters for AC charging.
- ► Observe the safety notes in the operating instructions for the wallbox.

**DANGER**
Risk of fatal injury if damaged component parts are used

If you use a damaged component to connect the vehicle to a charging station, this may lead to fires or an electrical shock, for example.

- Visually inspect the charging station for obvious signs of damage, e.g. serious damage to the housing or charging cable connection.
- Never use damaged charging cables.
- Do not extend the charging cable.
- Do not use adapters. The only exception is if the adapter has been tested by Mercedes-Benz and approved for your vehicle.
- Be sure to observe the safety notes at the charging station.

If charging at a wallbox without a pre-installed cable, use the optionally available charging cable for a wallbox and charging station. The charging cable is stowed in a bag in the cargo compartment.

For home and public charging (level 1 or level 2), Mercedes-Benz approved adapters or cords are recommended to avoid the risk of serious injury or property damage. Furthermore, also ensure that DC adapters are not used with an AC charger.

**MERCEDES-BENZ RECOMMENDS THE FOLLOWING CHARGING POWER:**

- at least 1.4 kW/phase for reliable charging to avoid unwanted charging breaks or interruptions
- at least 1.8 kW/phase for efficient charging

Most charging stations must be activated before the charging process, e.g. using an RFID card or via Plug & Charge. Observe the on-site operator's instructions for the charging station and the notes on MB.CHARGE Public (→ page 570).

The amount of energy dispensed for the charging process, shown by the charging station, may be higher than the amount of energy actually absorbed by the high-voltage battery. This is the result of different levels of charging losses and is described as recharge efficiency. Charging losses occur, for example, due to heat that builds up when the vehicle is charging or from running auxiliary consumers. Further information on recharge efficiency can be obtained at a qualified specialist workshop.

## Charging at a fast charging station (level 3)

**DANGER**
Risk of fatal injury if damaged component parts are used

If you use a damaged component to connect the vehicle to a charging station, this may lead to fires or an electrical shock, for example.

- Visually inspect the charging station for obvious signs of damage, e.g. serious damage to the housing or charging cable connection.
- Never use damaged charging cables.
- Do not extend the charging cable.
- Do not use adapters. The only exception is if the adapter has been tested by Mercedes-Benz and approved for your vehicle.
- Be sure to observe the safety notes at the charging station.

**DANGER**
Risk of fatal injuries when carrying out maintenance work during the charging process

During the charging process, the high-voltage on-board electrical system is under high voltage.

- Do not perform any maintenance work during the charging process.

Most charging stations must be activated before the charging process, e.g. using an RFID card or via Plug & Charge. Observe the on-site operator's instructions for the charging station and the notes on MB.CHARGE Public (⟶ page 570).

The amount of energy dispensed for the charging process, shown by the charging station, may be higher than the amount of energy actually absorbed by the high-voltage battery. This is the result of different levels of charging losses and is described as recharge efficiency. Charging losses occur, for example, due to heat that builds up when the vehicle is charging or from running auxiliary consumers. Further information on recharge efficiency can be obtained at a qualified specialist workshop.

## Maximum permissible charging current for charging at a mains socket

**DANGER**
Danger to life from improper handling of the Mercedes-Benz Power Charger

Improper use of the Mercedes-Benz Power Charger may, for example, result in fires or an electric shock.

- Observe the notes in the Operator's Manual about the Mercedes-Benz Power Charger. Potential dangers may otherwise remain undetected.

**NOTICE**
Overloading the mains socket due to excessive charging current

If the charging current is too high, the fuse could be tripped or the external mains supply could overheat.

- Ensure that the external power supply is designed for the charging current provided.
- Mercedes-Benz approved charging cables are recommended to avoid the risk of serious injury or property damage.
  Mercedes-Benz thoroughly tests these original charging cables for their suitability for high-voltage charging of your vehicle.
- Purchase these parts at a Mercedes-Benz service center and obtain advice there.
- If no Mercedes-Benz charging cable is available, use a charging cable that has been tested and approved by the charging cable manufacturer for charging your vehicle's high-voltage battery.
- Check the maximum charging current using the charging capacity shown on the driver display.

**Canada only:** for the supplied Mercedes-Benz Gen4 or Gen5 charging cable, the maximum charging current value is set on a country-specific basis. When charging abroad, the maximum value may exceed the permitted value for that country.

If you are using the Mercedes-Benz Power Charger, the maximum charging current can be set (see the Mercedes-Benz Power Charger Operator's Manual).

- Before a charging process at a mains socket, have the maximum permissible charging current for the relevant mains socket or the building mechanicals checked by a qualified electrician.
- When abroad, observe the country-specific laws when charging.

If a Mercedes-Benz charging cable is not available in your country, use a charging cable that fulfils the current local technical and regulatory requirements and has been tested for your vehicle by the charging cable manufacturer for charging at a mains socket. If you use such a charging cable for a charging voltage of 120 V, the charging current must be limited to a maximum of 12 A.
Information on approved charging cables can be obtained from a qualified specialist workshop.

If you have questions concerning the charging current or if there is a malfunction, please contact a qualified specialist workshop.

## Charging cable

**OVERVIEW OF CHARGING CABLES**
Observe the information on charging the high-voltage battery (⟶ page 354).

**USA:** the Mercedes-Benz Power Charger is supplied with your vehicle for charging at mains sockets (⟶ page 363).

**CANADA: FOR CHARGING AT MAINS SOCKETS, YOUR VEHICLE MAY BE EQUIPPED WITH ONE OF THE FOLLOWING CHARGING CABLES:**

- Mercedes-Benz charging cable Gen4 (⟶ page 362)
- Mercedes-Benz charging cable Gen5 (⟶ page 362)

- Mercedes-Benz Power Charger (⟶ page 363)

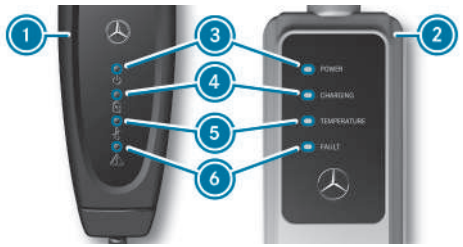
If a Mercedes-Benz charging cable is not available in your country, use a charging cable that fulfils the current local technical and regulatory requirements and has been tested and approved for your vehicle by the charging cable manufacturer for charging at a mains socket. If you use a charging cable of this type, be sure to observe the instructions on the maximum permissible charging current (⟶ page 360).

Information on approved charging cables can be obtained from a qualified specialist workshop.

**MERCEDES-BENZ CHARGING CABLE GEN4 AND GEN5 (CANADA)**
Observe the information on charging the high-voltage battery (⟶ page 354).

Your vehicle may be equipped with one of the two Mercedes-Benz charging cables Gen4 or Gen5 described below for charging at the mains socket.

Information on the Mercedes-Benz Power Charger (⟶ page 363).




1. Gen5 charging cable
2. Gen4 charging cable
3. Supply voltage indicator
4. Charging process display
5. Temperature monitor display
6. Safety system display

**SUPPLY VOLTAGE INDICATOR**
3 lights up in white: there is mains voltage

**CHARGING PROCESS DISPLAY**
4 flashes in green: high-voltage battery is being charged

**TEMPERATURE MONITOR DISPLAY**
5 flashes in red: overheating at the mains plug – the charging process has stopped

**5 LIGHTS UP RED AND**

- 4 simultaneously flashes green: overtemperature – charging power is reduced
- 4 does not flash: overtemperature – charging process terminated

If temperature monitor display 5 lights up, it can help to protect the charging cable from direct sunlight.

**SAFETY SYSTEM DISPLAY (GEN4 CHARGING CABLE)**

- 6 flashes red: charging cable or internal malfunction – charging process not possible
- 6 lights up red: infrastructure malfunction – charging process not possible, use a different mains socket

If the charging cable operating unit detects residual current or a malfunction, the charging process is interrupted. The charging process is resumed automatically when the malfunction has been rectified.

**SAFETY SYSTEM DISPLAY (GEN5 CHARGING CABLE)**
6 flashes red: charging cable or internal malfunction, charging process not possible, reset charging cable operating unit

**⑥ LIGHTS UP RED AND**

- ③ is off: power supply malfunction, charging process not possible, use a different mains socket
- ③ is on: vehicle malfunction, charging process not possible, reset charging cable operating unit

**NOTES ON GEN5 CHARGING CABLE**

When all four displays light up, the charging cable operating unit is performing a self-test.

If safety system ⑥ displays a charging cable malfunction or a vehicle malfunction, first reset the charging cable operating unit. To do this, disconnect the charging cable from the vehicle and from the mains socket and wait for approximately five seconds. If the malfunction persists after the charging cable is reconnected, charging process at the mains socket is not possible. The charging cable must be replaced or the vehicle plug must be checked at a qualified specialist workshop, depending on the readout.

**MERCEDES-BENZ POWER CHARGER**

**DANGER**
Danger to life from improper handling of the Mercedes-Benz Power Charger

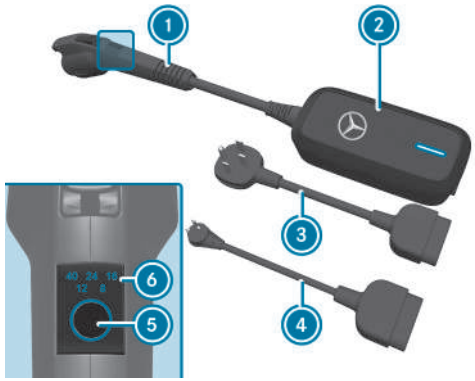
Improper use of the Mercedes-Benz Power Charger may, for example, result in fires or an electric shock.

► Observe the notes in the Operator's Manual about the Mercedes-Benz Power Charger. Potential dangers may otherwise remain undetected.

Observe the information on charging the high-voltage battery (⟶ page 354).

The Mercedes-Benz Power Charger is a Level 1 and Level 2 mobile charger with an overheating and overvoltage protection.

Only connect the charger to a circuit with 50 amps maximum branch circuit overcurrent protection in accordance with NEC and local electric code. Read the owners manual of the charger before operating.




① Coupler
② Control box with indicator light
③ High-power 14–50 grid cord
④ Low-power 5–15 grid cord
⑤ Current selection button
⑥ Current (amperage) indicator

**INDICATOR LIGHT ON CONTROL BOX ②**

- Amber: Reduced charging due to an increase in temperature or a recoverable fault which may interrupt charging.
- Blue: The charger is ready to use or is charging.
- Red: Fault which may interrupt charging.

If the temperature monitor indicates a fault (yellow light is on), it may help to protect the charging cable from direct sunlight or move to a cooler environment for charging.

If the operating unit detects residual current or a fault (red light is on), the charging process is interrupted. The error must be corrected before charging begins or resumes.

The charger is equipped with a selectable current (amperage) function that features a current selector button (5) and a two row current (amperage) indicator (6).

The bottom row represents the selection of currents available for AC Level 1 – 12 amps (default) and 8 amps.

The top row represents the selection of currents available for AC Level 2 – 40 amps (default), 24 amps and 16 amps.

Only one of the five numbers should be illuminated at any time. This number represents the selected current.

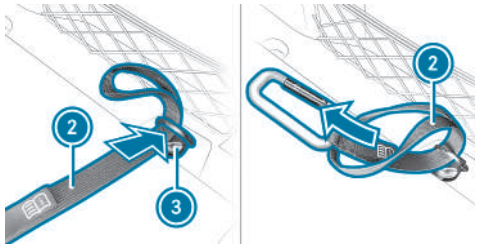
**STOWING THE CHARGING CABLE**

Always stow the vehicle's charging cable in the charging cable bag supplied and secure the charging cable bag in the trunk or load compartment using the corresponding retaining strap. Otherwise, the charging cable bag with the charging cable is not sufficiently secured.

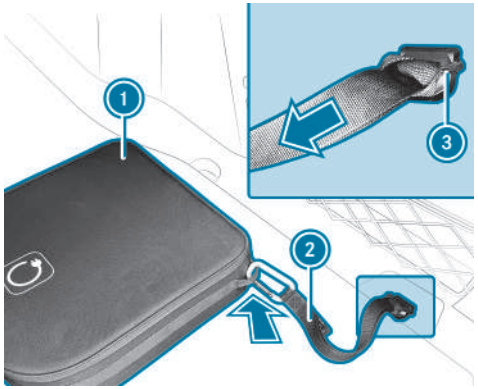



Example: charging cable bag in the trunk/load compartment

As delivered, charging cable bag (1) with retaining strap (2) is located in the trunk or load compartment. To secure the charging cable bag, the retaining strap must be attached to tie-down eye (3). Do not use bag hooks to attach the retaining strap.



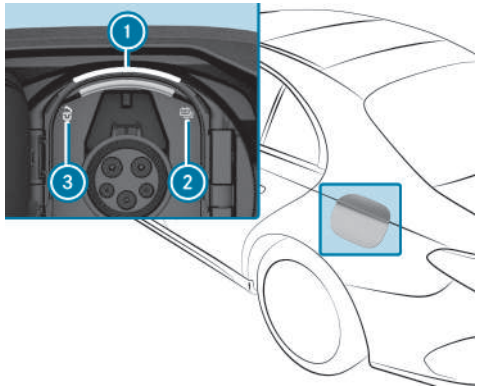

- Feed the loop end of retaining strap (2) through tie-down eye (3) in the trunk or load compartment.
- Feed the end with the snap hook through the loop of retaining strap (2).




- Tighten retaining strap (2) so that the knot around tie-down eye (3) is tight and secure.
- Hook the snap hook of retaining strap (2) in a tie-down eye of charging cable bag (1).

## Functions of the indicator lamps on the vehicle socket

The socket flap is centrally locked and unlocked together with the vehicle.




Example: type Combo 1 vehicle socket

(1) Socket lamp
(2) Charging process indicator lamp
(3) Locking status indicator lamp

The upper curve of socket lamp (1) is used for the lighting and flashes or lights up as with indicator lamp (3). The lower curve is used for the status display and flashes or lights up as with indicator lamp (2).

The color and behavior of indicator lamps (2) and (3) have the following meaning.

**LOCKING STATUS** (3)

- Lights up white: vehicle socket unlocked; insert or remove charging cable
- Flashes white: malfunction during locking or unlocking

**STATUS OF THE CHARGING PROCESS** (2)

- Lights up green (for approx. 90 s): charging process completed
- Flashes green: charging; active energy flow

- Lights up orange (for approx. 90 s): charging break
- Flashes orange: connection is being established
- Flashes red (for approx. 60 s): malfunction in vehicle; charging not possible

## Starting the AC charging process (level 1/2)

**DANGER**
Danger to life from improper handling of the Mercedes-Benz Power Charger

Improper use of the Mercedes-Benz Power Charger may, for example, result in fires or an electric shock.

► Observe the notes in the Operator's Manual about the Mercedes-Benz Power Charger. Potential dangers may otherwise remain undetected.

**DANGER**
Risk of death when charging at a damaged socket

The charging process uses high voltage.

If the charging cable, the vehicle socket, or the mains socket are damaged, you could receive an electric shock.

► Only use an undamaged charging cable.

► Avoid mechanical damage such as crushing, abrading, or driving over the cable.

► Have a damaged vehicle socket replaced at a qualified specialist workshop as soon as possible.

► Never connect the charging cable to a damaged vehicle socket.

**NOTE**
Damage due to overheating of the charging cable and charge port

The charging cable and charge port may heat up within the permissible limit values during the charging process.

**THE HEATING OF THE CHARGING CABLE AND CHARGE PORT IS INFLUENCED BY THE FOLLOWING FACTORS:**

- The power supply equipment of the mains supply and the charging cable are intact.
- The instructions for handling the charging cable and control element on the charging cable have been observed.

► If the charging cable or the charge port become too hot, do not touch them and have the power supply equipment of the mains supply checked.

**NOTE**
Damage to or soiling of the vehicle socket

► If no charging cable is connected, always keep the socket cover and the socket flap closed. These protect the vehicle socket from dirt and damage.

► Before closing the socket flap, ensure that the socket cover is properly closed. Otherwise damage may occur and it may no longer be possible to open the socket flap.

**NOTE**
Damage to the vehicle socket or the charging cable connector due to incorrect handling

Do not use excessive force (maximum 67.4 lbf (300 N)) to fully insert the charging cable connector into the vehicle socket. You may otherwise damage the vehicle socket, the charging cable connector, or their contacts.

► If you feel there is increased resistance, pull the charging cable connector out of the socket and reinsert it.

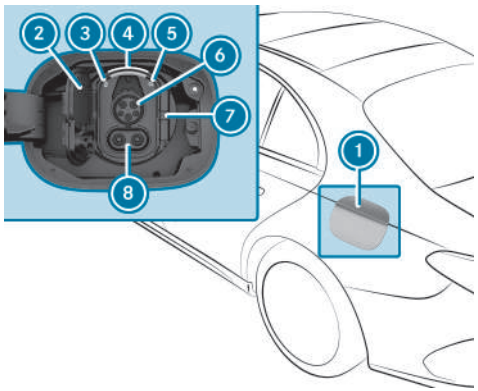
Observe the information on charging the high-voltage battery (⟶ page 354).

**Requirements:**

- The transmission is in position P.
- The vehicle is unlocked or the vehicle is locked and the distance between the key and the vehicle does not exceed 3 ft (1 m).
- The charging cable is not in tension.

**DEPENDING ON THE EQUIPMENT, YOUR VEHICLE IS EQUIPPED WITH ONE OF THE FOLLOWING VEHICLE SOCKETS:**

- Type 1 for AC charging (level 1/2)
- Combo 1 type for AC (level 1/2) and DC charging (level 3)




Example: type Combo 1 vehicle socket

- Press on the center rear of socket flap (1) and swing the socket flap to the front.
  The [ ] indicator lamp (3) and upper status display (4) light up white.

ⓘ Socket flap (1) can also be opened via the multimedia system (⟶ page 554).
If socket flap (1) cannot be opened despite the vehicle being unlocked, the socket flap can be opened by emergency release (⟶ page 375).

- Press catch (7) to the right and open socket cover (2).

ⓘ On vehicles with a Combo vehicle socket, only connection (6) is required for the charging cable plug. Only open the upper part of socket cover (2).

- **Mercedes-Benz Power Charger:** select the appropriate connecting cable and plug it into the operating unit (see Mercedes-Benz Power Charger Operating Instructions).
- To charge at an AC socket, fully insert the power plug into the AC socket of the external power source and observe the maximum permissible charging current (⟶ page 360).
- **Mercedes-Benz Power Charger:** if necessary, set the maximum charging current (see the Mercedes-Benz Power Charger Operating Instructions).
- Fully insert the charging cable plug into vehicle socket (6). If the wallbox/charging station is not equipped with a connecting cable, fully insert the plug of the vehicle's charging cable into the wallbox/charging station socket.
  Make sure that the inserted charging cable is not in tension.
  If the charging station is enabled, the [ ] indicator lamp (5) and lower status display (4) flash orange, and green as soon as the high-voltage battery is being charged.

When the charging cable is connected to the vehicle, the vehicle cannot be started or moved.

At the start of the charging process, the state of charge indicator is shown on the driver display with a charging prediction. The charging prediction is the point in time at which the high-voltage battery will be fully charged.

ⓘ Depending on the temperature, the fan and battery cooling system may audibly switch on during the charging process.

If the vehicle is idle for long periods and connected to the power grid, the high-voltage battery will be recharged automatically as needed or when electrical consumers are activated (e.g. pre-entry climate control).

The vehicle is equipped with an electrical fuse that protects against overvoltages in the power grid. This electrical fuse can be triggered e.g. in severe storms and result in tripping of the building's circuit breaker and in an interruption of charging. These functions protect the vehicle.
After the building's circuit breaker is reset, the charging process resumes automatically. Following an interruption in the power supply without the building's circuit breaker being tripped, it may take up to ten minutes for charging to resume automatically.

## Ending the AC charging process (level 1/2)

**DANGER**
Risk of death when charging at a damaged socket

The charging process uses high voltage.

If the charging cable, the vehicle socket, or the mains socket are damaged, you could receive an electric shock.

- Only use an undamaged charging cable.
- Avoid mechanical damage such as crushing, abrading, or driving over the cable.
- Have a damaged vehicle socket replaced at a qualified specialist workshop as soon as possible.
- Never connect the charging cable to a damaged vehicle socket.

**NOTE**
Damage due to overheating of the charging cable and charge port

The charging cable and charge port may heat up within the permissible limit values during the charging process.

**THE HEATING OF THE CHARGING CABLE AND CHARGE PORT IS INFLUENCED BY THE FOLLOWING FACTORS:**

- The power supply equipment of the mains supply and the charging cable are intact.
- The instructions for handling the charging cable and control element on the charging cable have been observed.

► If the charging cable or the charge port become too hot, do not touch them and have the power supply equipment of the mains supply checked.

**NOTE**
Damage to or soiling of the vehicle socket

► If no charging cable is connected, always keep the socket cover and the socket flap closed. These protect the vehicle socket from dirt and damage.

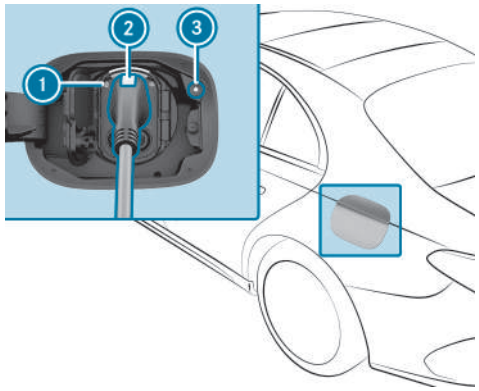
► Before closing the socket flap, ensure that the socket cover is properly closed. Otherwise damage may occur and it may no longer be possible to open the socket flap.

**Requirements:**

- The vehicle is unlocked or the vehicle is locked and the distance between the key and the vehicle does not exceed 3 ft (1 m).

**DEPENDING ON THE EQUIPMENT, YOUR VEHICLE IS EQUIPPED WITH ONE OF THE FOLLOWING VEHICLE SOCKETS:**

- Type 1 for AC charging (level 1/2)
- Combo 1 type for AC (level 1/2) and DC charging (level 3)




Example: type Combo 1 vehicle socket

ⓘ Vehicles equipped with a type 1 vehicle socket for AC charging do not have a 'Cancel charging' button (3).

► **Type Combo 1 vehicle socket:** press 'Cancel charging' button (3).
The charging process is ended. The indicator lamp (1) lights up white. The vehicle socket is unlocked.

ⓘ As an alternative, and only if the 'Cancel charging' button (3) is not working, you can unlock the vehicle using the vehicle key or centrally from inside to end the charging process. If the [🔓] indicator lamp (1) then lights up white, the vehicle socket is unlocked for around 30 seconds.

ⓘ The charging process can also be ended via the multimedia system (⟶ page 554).

- **Type 1 vehicle socket:** unlock the vehicle with the vehicle key or centrally from inside.
  The charging process is ended. The [🔓] indicator lamp (1) lights up white. The vehicle socket is unlocked.
- Press and hold button (2) on the charging cable plug and remove the charging cable plug from the vehicle socket.

ⓘ If you cannot remove the charging cable plug, repeat the unlocking procedure. If the charging cable plug is still locked, contact a qualified specialist workshop.

- Close the socket cover and the socket flap.

ⓘ The [🔓] indicator lamp (1) on the vehicle socket remains lit for some time after the charging cable plug has been disconnected and then goes out.

- Remove the charging cable plug from the AC socket, or from the socket on the wallbox/charging station, and stow the vehicle's charging cable safely in the vehicle (⟶ page 364).

## Starting the DC charging process (level 3)

⚠ **DANGER**
Risk of death when charging at a damaged socket

The charging process uses high voltage.

If the charging cable, the vehicle socket, or the mains socket are damaged, you could receive an electric shock.

- Only use an undamaged charging cable.
- Avoid mechanical damage such as crushing, abrading, or driving over the cable.
- Have a damaged vehicle socket replaced at a qualified specialist workshop as soon as possible.
- Never connect the charging cable to a damaged vehicle socket.

**NOTE**
Damage due to overheating of the charging cable and charge port

The charging cable and charge port may heat up within the permissible limit values during the charging process.

**THE HEATING OF THE CHARGING CABLE AND CHARGE PORT IS INFLUENCED BY THE FOLLOWING FACTORS:**

- The power supply equipment of the mains supply and the charging cable are intact.
- The instructions for handling the charging cable and control element on the charging cable have been observed.

► If the charging cable or the charge port become too hot, do not touch them and have the power supply equipment of the mains supply checked.

**NOTE**
Damage to or soiling of the vehicle socket

► If no charging cable is connected, always keep the socket cover and the socket flap closed. These protect the vehicle socket from dirt and damage.

► Before closing the socket flap, ensure that the socket cover is properly closed. Otherwise damage may occur and it may no longer be possible to open the socket flap.

**NOTE**
Damage to the vehicle socket or the charging cable connector due to incorrect handling

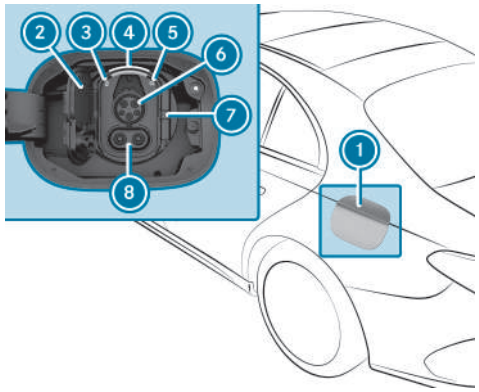
Do not use excessive force (maximum 67.4 lbf (300 N)) to fully insert the charging cable connector into the vehicle socket. You may otherwise damage the vehicle socket, the charging cable connector, or their contacts.

► If you feel there is increased resistance, pull the charging cable connector out of the socket and reinsert it.

Observe the information on charging the high-voltage battery (⟶ page 354).

**Requirements:**

- The transmission is in position P.
- The vehicle is unlocked or the vehicle is locked and the distance between the key and the vehicle does not exceed 3 ft (1 m).
- The charging cable is not in tension.



- Press on the center rear of socket flap (1) and swing the socket flap to the front.
  The [unlock] indicator lamp (3) and upper status display (4) light up white.

ⓘ Socket flap (1) can also be opened via the multimedia system (→ page 554).
If socket flap (1) cannot be opened despite the vehicle being unlocked, the socket flap can be opened by emergency release (→ page 375).

- Press catch (7) to the right and open socket cover (2).

ⓘ Connections (6) and (8) are required for the CCS charging cable plug. Both sections of socket cover (2) must therefore be opened.

- Fully insert the CCS charging cable plug into the vehicle socket.
  Make sure that the inserted charging cable is not in tension.
  If the charging station is enabled, the [charge] indicator lamp (5) and lower status display (4) flash orange, and green as soon as the high-voltage battery is being charged.

When the charging cable is connected to the vehicle, the vehicle cannot be started or moved.

At the start of the charging process, the state of charge indicator is shown on the driver display with a charging prediction. The charging prediction either refers to the predicted state of charge at the set departure time, or the time at which the high-voltage battery will be fully charged.

ⓘ Depending on the temperature, the fan and battery cooling system may audibly switch on during the charging process.

ⓘ If the vehicle is idle for long periods and connected to the power grid, the high-voltage battery will be recharged automatically as needed or when electrical consumers are activated (e.g. pre-entry climate control).

## Ending the DC charging process (level 3)

⚠ **DANGER**
Risk of death when charging at a damaged socket

The charging process uses high voltage.

If the charging cable, the vehicle socket, or the mains socket are damaged, you could receive an electric shock.

- Only use an undamaged charging cable.
- Avoid mechanical damage such as crushing, abrading, or driving over the cable.
- Have a damaged vehicle socket replaced at a qualified specialist workshop as soon as possible.
- Never connect the charging cable to a damaged vehicle socket.

**NOTE**
Damage due to overheating of the charging cable and charge port

The charging cable and charge port may heat up within the permissible limit values during the charging process.

**THE HEATING OF THE CHARGING CABLE AND CHARGE PORT IS INFLUENCED BY THE FOLLOWING FACTORS:**

- The power supply equipment of the mains supply and the charging cable are intact.
- The instructions for handling the charging cable and control element on the charging cable have been observed.

► If the charging cable or the charge port become too hot, do not touch them and have the power supply equipment of the mains supply checked.

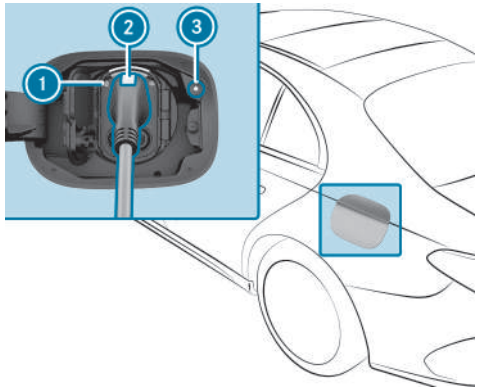
**NOTE**
Damage to or soiling of the vehicle socket

► If no charging cable is connected, always keep the socket cover and the socket flap closed. These protect the vehicle socket from dirt and damage.

► Before closing the socket flap, ensure that the socket cover is properly closed. Otherwise damage may occur and it may no longer be possible to open the socket flap.

**Requirements:**

- The vehicle is unlocked or the vehicle is locked and the distance between the key and the vehicle does not exceed 3 ft (1 m).




► Press 'Cancel charging' button (3).
The charging process is ended. The indicator lamp (1) lights up white. The vehicle socket is unlocked.

ⓘ As an alternative, and only if 'Cancel charging' button (3) is not working, you can unlock the vehicle using the vehicle key or centrally from inside to end the charging process. If the (1) indicator lamp then lights up white, the vehicle socket is unlocked for around 30 seconds.

ⓘ The charging process can also be ended via the multimedia system (⟶ page 554).

- Press and hold button (2) on the charging cable plug and remove the charging cable plug from the vehicle socket.

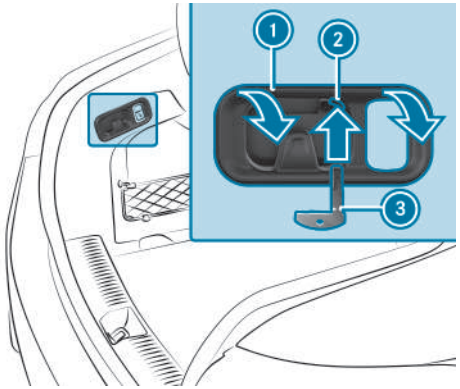
If you cannot remove the charging cable plug, unlock the vehicle and repeat the unlocking procedure. If the charging cable plug is still locked, contact a qualified specialist workshop.

- Close the socket cover and the socket flap.

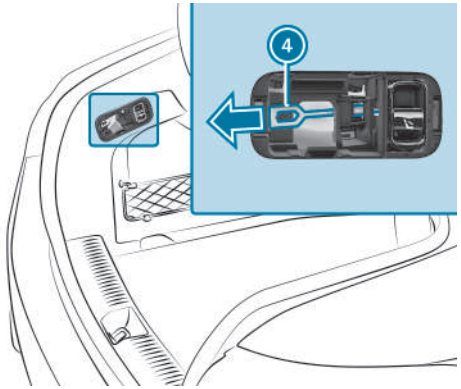
The left (1) indicator lamp on the vehicle socket remains lit for some time after the charging cable plug has been disconnected and then goes out.

## Emergency release of the socket flap

If the socket flap cannot be opened due to a malfunction, the socket flap can be opened for the charging process by emergency release.




- Press the catch spring of flap (1) upwards through aperture (2) using a suitable object, e.g. the emergency key (3), and carefully withdraw the flap from the trunk lining.




Below emergency release (4) there is a second, flexible cable behind the trunk lining. This is intended solely for servicing work in a qualified specialist workshop.

- Pull emergency release (4) in the direction of the arrow.

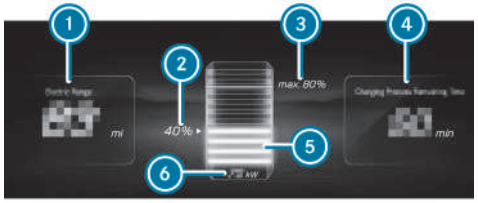
  The socket flap of the vehicle socket swings open.

- Insert flap (1) into the trunk lining until it engages. In the process, note the position of the bag hook, the aperture and the guide pins on the reverse.
- Start the AC charging process (level 1/2) (⟶ page 366).

or

- Start the DC charging process (level 3) (⟶ page 371).

# Function of the charge level display on the driver display




Example

1. Remaining range at current state of charge
2. Current state of charge of the high-voltage battery
3. Maximum state of charge (as per the setting)
4. Remaining time until fully charged (up to the selected maximum state of charge)
5. Dynamic charge level display
6. Current charging capacity

Indicated remaining range 1 may vary due to various factors, e.g. driving style or topography.

The driver display shows the charge level display for around two minutes when the charging cable is connected. As long as the charging cable is connected to the vehicle, the charge level display is also displayed briefly after unlocking or locking the vehicle or after opening a door.

The value of current charging power 6 can differ from the display on the charging station.

**Mercedes-AMG vehicles:** the prediction for remaining range 1 and maximum state of charge 3 are not displayed.

Additional information on the state of charge and charging process can be displayed in the multimedia system (⟶ page 510).

# Parking

## Parking the vehicle

**WARNING**
Risk of accident and injury caused by an insufficiently secured vehicle rolling away

If the vehicle is not securely parked sufficiently, it can roll away in an uncontrolled way even at a slight downhill gradient.

- ► On uphill or downhill gradients, turn the front wheels so that the vehicle rolls towards the curb if it starts moving.
- ► Apply the parking brake.
- ► Switch the transmission to position P.

**WARNING**
Risk of fire caused by hot exhaust system parts

Flammable materials such as leaves, grass or twigs may ignite.

- ► Park the vehicle so that no flammable material can come into contact with hot vehicle components.
- ► In particular, do not park on dry grassland or harvested grain fields.

**WARNING**
Risk of accident and injury due to children left unattended in the vehicle

**IF YOU LEAVE CHILDREN UNATTENDED IN THE VEHICLE, THEY COULD, IN PARTICULAR:**

- open doors, thereby endangering other persons or road users.
- get out and be struck by oncoming traffic.
- operate vehicle equipment and become trapped, for example.

**IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION BY, FOR EXAMPLE:**

- releasing the parking brake.
- changing the gearbox position.
- starting the vehicle.

- ► Never leave children unattended in the vehicle.
- ► When leaving the vehicle, always take the key with you and lock the vehicle.
- ► Keep the key out of reach of children.

This also applies to the Digital Vehicle Key.

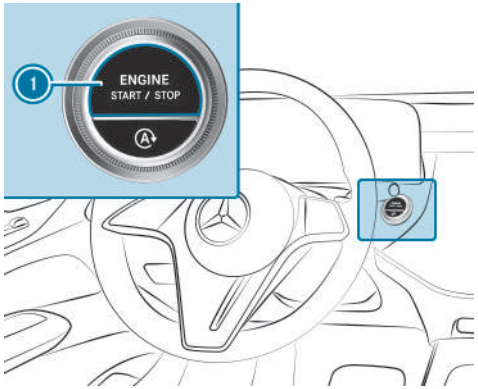
**NOTE**
Damage to the vehicle due to it rolling away

- Always secure the vehicle against rolling away.

**NOTE**
Damage caused by vehicle being lowered

**Vehicles AIRMATIC:** The vehicle can be lowered due to differences in temperature or extended non-operational times. This can cause damage to parts of the body.

- When stopping the vehicle and when driving off, make sure that there are no obstacles such as curbs under or in the immediate vicinity of the body.




- Bring the vehicle to a standstill by depressing the brake pedal.
- On uphill or downhill gradients, turn the front wheels so that the vehicle will roll towards the curb if it starts moving.
- Apply the electric parking brake.
- Engage transmission position P with the vehicle stationary and the brake pedal depressed (⟶ page 343).
- Switch off the vehicle by pressing the button 1.
- Release the service brake slowly.
- Exit and then lock the vehicle.

When you park the vehicle, you can still operate the side windows and the panoramic sliding sunroof for approximately four minutes as long as the driver's door is closed.

**Automatic vehicle shut-off upon locking**

Your vehicle is equipped with an automatic shut-off function.

**IF YOU EXIT A VEHICLE IN A STATE OF OPERATIONAL READINESS, THE VEHICLE WILL BE SWITCHED OFF WHEN LOCKED UNDER THE FOLLOWING CONDITIONS:**

- The vehicle has been switched on or started.
- Transmission position P is engaged.
- The driver's door is closed.
- **In addition, one of the following conditions must be met:**
  - The vehicle is locked using the vehicle key.
  - **Vehicles with KEYLESS-GO:** the vehicle is locked using KEYLESS-GO on the door handle of a closed door.
  - **Vehicles with KEYLESS-GO:** the vehicle is locked using the lock button on the trunk lid.

The vehicle remains started if it is not locked as described after leaving the vehicle. In this case, switch off the vehicle manually.

**Automatic vehicle shut-off after a specific period of time**

When the vehicle has been started, the following display message will appear on the driver display when you exit the vehicle or following a predetermined delay time in transmission position P : Vehicle Ready to Drive Shutdown Occurs When Locked or Automatically in XX Mins

The vehicle will then switch off automatically after a total holding time of 20 minutes.

To avoid automatic shut-off after a certain period of time, acknowledge the corresponding message on the central display of the multimedia system.

**THE VEHICLE REMAINS STARTED IN THE FOLLOWING CASES:**

- if the vehicle is not locked as described after exiting
- if automatic shut-off is not indicated by the display message
- if automatic shut-off after a certain period of time has been deactivated via the corresponding message on the central display

In this case, switch off the vehicle manually.

# Garage door opener (HomeLink®)

**PROGRAMMING THE HOMELINK® BUTTONS**

**DANGER**
Danger to life from toxic exhaust gas in enclosed spaces

Combustion engines emit toxic exhaust gases suchas carbon monoxide. Inhaling these exhaust gases is hazardous to health and leads to poisoning.

► Never leave the engine or, if present, the stationary heater in an enclosed space without sufficient ventilation.

**WARNING**
Risk of injury by becoming trapped when opening and closing a garage door

When you operate or program a garage door with an integrated garage door opener, persons can become trapped or struck by the garage door if they stand within its range of movement.

► Always make sure that nobody is within the range of the garage door's movement.

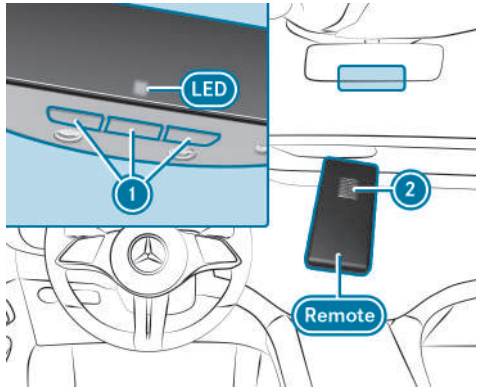
**ONLY OPERATE THE FOLLOWING DOORS USING THE GARAGE DOOR OPENER:**

- Doors with a safety stop and reversing feature
- Doors that comply with the applicable safety standards

**Requirements:**

- The vehicle has been parked outside the garage or outside the door's range of movement.
- The vehicle is switched on.
- The vehicle has not been started.
- The original remote control for the garage door is used.

ⓘ The garage door opener function is always available when the vehicle is switched on.




- ▶ **Programming procedure:** press one of the buttons to be programmed (1) and then release it.

  If the selected button is not programmed, the LED flashes slowly in orange.

ⓘ To reprogram a button that has already been programmed, press the corresponding button until the LED starts to flash slowly in orange. This may take up to 20 seconds.

- ▶ Point the remote control from a distance of between 2 in (5 cm) and 12 in (30 cm) towards one of the buttons (1) beneath the mirror.
- ▶ Press and hold the button (2) on the remote control until you observe one of the following:
  - The LED lights up continuously in green. Programming is complete.
  - The LED flashes in green. Programming was successful.

ⓘ It may take up to 20 seconds for the LED to light up continuously in green.

**The selected HomeLink® button is now programmed.**

- ▶ **To test the programming:** press and hold the HomeLink® button for two seconds.
- ▶ Release the HomeLink® button and, after three seconds, press and hold it again for two seconds.
- ▶ Repeat this process once more (three times in total).

ⓘ If you have a garage door system with fixed code or QuickTrain technology, pressing the programmed HomeLink® button opens or closes the garage door.
If the garage door is not working and the LED is flashing rapidly, you must perform a rolling code synchronization (⟶ page 381).

## PERFORMING A ROLLING CODE SYNCHRONIZATION (IF REQUIRED)

**DANGER**
Danger to life from toxic exhaust gas in enclosed spaces

Combustion engines emit toxic exhaust gases suchas carbon monoxide. Inhaling these exhaust gases is hazardous to health and leads to poisoning.

► Never leave the engine or, if present, the stationary heater in an enclosed space without sufficient ventilation.

**WARNING**
Risk of injury by becoming trapped when opening and closing a garage door

When you operate or program a garage door with an integrated garage door opener, persons can become trapped or struck by the garage door if they stand within its range of movement.

► Always make sure that nobody is within the range of the garage door's movement.

### ONLY OPERATE THE FOLLOWING DOORS USING THE GARAGE DOOR OPENER:

- Doors with a safety stop and reversing feature
- Doors that comply with the applicable safety standards

Before programming the garage door opener, park the vehicle outside the garage. Ensure that the vehicle is switched on but not started.

ⓘ The garage door opener function is always available when the vehicle is switched on.

If the garage door is not working and the indicator lamp in the inside mirror is flashing rapidly, your garage door system operates with rolling code. In this case, you must perform a rolling code synchronization.

**Information on rolling code synchronization:** In the following steps, you must press the "Learn", "Program" or "Smart" button on the garage door opener in your garage. Please note that the names of the buttons may vary depending on the manufacturer. For more information, refer to the instruction manual for the garage door opener.

- Have someone assist you to ensure that the steps can be carried out easier and faster.
- You may need a ladder or something of similar stability to help you reach the buttons. Do not stand on your vehicle to perform these steps!
- Certain timings must be observed for the following steps. You may have to practice these steps multiple times.

► Find the "Learn", "Program" or "Smart" button on the garage door opener in the garage.

The shape and color of the buttons vary depending on the manufacturer.

► Press the "Learn", "Program" or "Smart" button.

An indicator lamp may begin flashing depending on the manufacturer of the garage door opener.

► Within 30 seconds, press and hold the HomeLink® button in the vehicle for three seconds.

► Press the HomeLink® button again and hold pressed for three seconds.

► Repeat this process once more (three times in total).

Rolling code synchronization is now complete. HomeLink® should now activate your garage door equipped with a rolling code.

ⓘ Please note that some garage door openers may require the HomeLink® button to be pressed for different lengths of time during the synchronization process. Refer to the for the garage door manufacturer's instruction manual.
More information can be found at: https://www.homelink.com

**TROUBLESHOOTING PROBLEMS WHEN PROGRAMMING HOMELINK®**

⚠ **DANGER**
Danger to life from toxic exhaust gas in enclosed spaces

Combustion engines emit toxic exhaust gases suchas carbon monoxide. Inhaling these exhaust gases is hazardous to health and leads to poisoning.

► Never leave the engine or, if present, the stationary heater in an enclosed space without sufficient ventilation.

⚠ **WARNING**
Risk of injury by becoming trapped when opening and closing a garage door

When you operate or program a garage door with an integrated garage door opener, persons can become trapped or struck by the garage door if they stand within its range of movement.

► Always make sure that nobody is within the range of the garage door's movement.

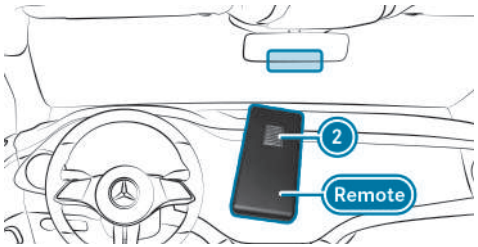
**ONLY OPERATE THE FOLLOWING DOORS USING THE GARAGE DOOR OPENER:**

- Doors with a safety stop and reversing feature
- Doors that comply with the applicable safety standards

Before programming the garage door opener, park the vehicle outside the garage. Ensure that the vehicle is switched on but not started.

ⓘ The garage door opener function is always available when the vehicle is switched on.

► Ensure that the remote control used for programming is approved by the manufacturer of the garage door opener and activates the door.




- Replace the batteries in the remote control.
- Hold the remote control at various angles in front of the inside mirror from a distance of between 2 in (5 cm) and 12 in (30 cm).

  Hold each position for at least 25 seconds before trying another position.
- Hold the remote control at the same angles at various distances in front of the inside mirror. Maintain each position for at least 25 seconds.
- On remote controls that only transmit for a limited period, press the button (2) on the remote control again before transmission ends.

**SUPPORT AND ADDITIONAL PROGRAMMING INFORMATION:**

- **United States (U.S.):** Call the free HomeLink® hotline on 1-800-355-3515
- Visit https://www.homelink.com online

## DELETING THE HOMELINK® BUTTONS

**DANGER**
Danger to life from toxic exhaust gas in enclosed spaces

Combustion engines emit toxic exhaust gases suchas carbon monoxide. Inhaling these exhaust gases is hazardous to health and leads to poisoning.

- Never leave the engine or, if present, the stationary heater in an enclosed space without sufficient ventilation.

**WARNING**
Risk of injury by becoming trapped when opening and closing a garage door

When you operate or program a garage door with an integrated garage door opener, persons can become trapped or struck by the garage door if they stand within its range of movement.

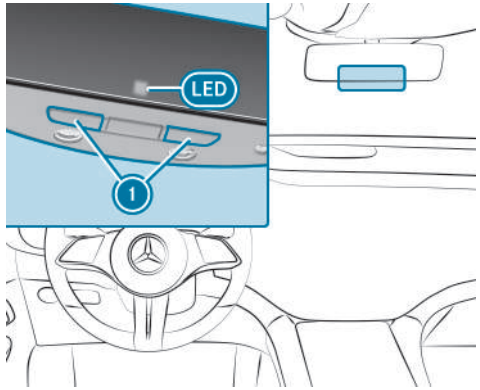
- Always make sure that nobody is within the range of the garage door's movement.

## ONLY OPERATE THE FOLLOWING DOORS USING THE GARAGE DOOR OPENER:

- Doors with a safety stop and reversing feature
- Doors that comply with the applicable safety standards

Before programming the garage door opener, park the vehicle outside the garage. Ensure that the vehicle is switched on but not started.

ⓘ The garage door opener function is always available when the vehicle is switched on.




- ► Press and hold the outer buttons (1).
  The LED lights up in orange.
- ► As soon as the LED starts flashing rapidly in green, release the buttons (1).
  This may take up to 10 seconds.
  The entire memory has been deleted.

**SPECIAL PROGRAMMING MODES (IF REQUIRED)**

⚠ **DANGER**
Danger to life from toxic exhaust gas in enclosed spaces

Combustion engines emit toxic exhaust gases suchas carbon monoxide. Inhaling these exhaust gases is hazardous to health and leads to poisoning.

- ► Never leave the engine or, if present, the stationary heater in an enclosed space without sufficient ventilation.

⚠ **WARNING**
Risk of injury by becoming trapped when opening and closing a garage door

When you operate or program a garage door with an integrated garage door opener, persons can become trapped or struck by the garage door if they stand within its range of movement.

- ► Always make sure that nobody is within the range of the garage door's movement.

**ONLY OPERATE THE FOLLOWING DOORS USING THE GARAGE DOOR OPENER:**

- Doors with a safety stop and reversing feature
- Doors that comply with the applicable safety standards

Before programming the garage door opener, park the vehicle outside the garage. Ensure that the vehicle is switched on but not started.

The garage door opener function is always available when the vehicle is switched on.

**D-mode:** A special programming mode is required for some devices available on the market. Only use this mode if expressly stated in the programming instructions in the manual for the device or on the website https://www.homelink.com.

# Electric parking brake

**FUNCTION OF THE ELECTRIC PARKING BRAKE (AUTOMATIC APPLICATION)**

**WARNING**
Risk of accident and injury due to children left unattended in the vehicle

**IF YOU LEAVE CHILDREN UNATTENDED IN THE VEHICLE, THEY COULD, IN PARTICULAR:**

- open doors, thereby endangering other persons or road users.
- get out and be struck by oncoming traffic.
- operate vehicle equipment and become trapped, for example.

**IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION BY, FOR EXAMPLE:**

- releasing the parking brake.
- changing the gearbox position.
- starting the vehicle.

► Never leave children unattended in the vehicle.

► When leaving the vehicle, always take the key with you and lock the vehicle.

► Keep the key out of reach of children.

This also applies to the Digital Vehicle Key.

**THE ELECTRIC PARKING BRAKE IS APPLIED IF THE TRANSMISSION IS IN POSITION [P] AND ONE OF THE FOLLOWING CONDITIONS IS FULFILLED:**

- The vehicle is switched off.
- The driver's seat belt is not fastened and the driver's door is opened.

ⓘ To prevent application: pull the handle of the electric parking brake (⟶ page 387).

**IN THE FOLLOWING SITUATIONS, THE ELECTRIC PARKING BRAKE IS ALSO APPLIED:**

- The HOLD function is keeping the vehicle stationary.
- Active Distance Assist DISTRONIC is bringing the vehicle to a standstill.
- Active Parking Assist is keeping the vehicle stationary.
- **In addition, one of the following conditions must be met:**
  - The vehicle is switched off.
  - The driver's seat belt is not fastened.
  - There is a system malfunction.
  - The power supply is insufficient.
  - The vehicle is idle for a long period.
- **Vehicles with Active Parking Assist:** The electric parking brake is also applied in the following situations:
  - Following completion of a parking procedure.
  - If an error occurs during a parking procedure.

When the electric parking brake is applied, red indicator lamp [PARK] (USA) or [(P)] (Canada) lights up on the driver display.

ⓘ The electric parking brake is not automatically applied if the vehicle is switched off by the ECO start/stop function.

**FUNCTION OF THE ELECTRIC PARKING BRAKE (AUTOMATIC RELEASE)**

**THE ELECTRIC PARKING BRAKE IS RELEASED WHEN THE FOLLOWING CONDITIONS ARE FULFILLED:**

- The driver's door is closed.
- The vehicle has been started.
- The transmission is in position [D] or [R] and you depress the accelerator pedal, or you shift from transmission position [P] to [D] or [R] on level ground.
- If the transmission is in position [R], the trunk lid must be closed.
- The driver has fastened the seat belt correctly (⟶ page 137).

  If the driver's seat belt is not fastened, the following condition must be met:
  - The transmission is shifted from park position [P] to another transmission position.

When the electric parking brake is released, red indicator lamp [PARK] (USA) or [(P)] (Canada) on the driver display goes out.

## APPLYING/RELEASING THE ELECTRIC PARKING BRAKE MANUALLY

**WARNING**
Risk of accident and injury due to children left unattended in the vehicle

**IF YOU LEAVE CHILDREN UNATTENDED IN THE VEHICLE, THEY COULD, IN PARTICULAR:**

- open doors, thereby endangering other persons or road users.
- get out and be struck by oncoming traffic.
- operate vehicle equipment and become trapped, for example.

**IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION BY, FOR EXAMPLE:**

- releasing the parking brake.
- changing the gearbox position.
- starting the vehicle.

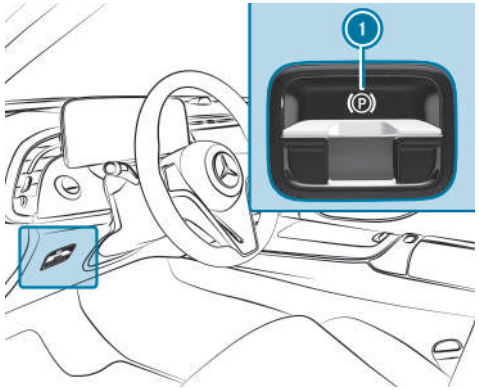
► Never leave children unattended in the vehicle.

► When leaving the vehicle, always take the key with you and lock the vehicle.

► Keep the key out of reach of children.

This also applies to the Digital Vehicle Key.

### APPLYING

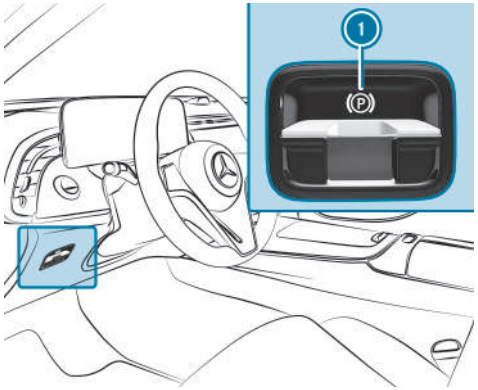



► When the vehicle is stationary, push handle (1).

Red indicator lamp PARK (USA) or (P) (Canada) lights up on the driver display.

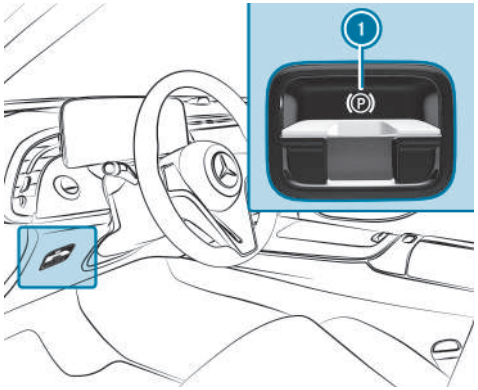
ⓘ The electric parking brake is only securely applied if red indicator lamp PARK (USA) or (P) (Canada) is lit steadily.

**RELEASING**




- Switch on the vehicle.
- Pull handle (1).
  Red indicator lamp PARK (USA) or (Canada) on the driver display goes out.

**EMERGENCY BRAKING**




- Press and hold handle (1).
  As long as the vehicle is in motion, the message Release Parking Brake is displayed the red PARK (USA) or (Canada) indicator lamp flashes.
  When the vehicle has been braked to a standstill, the electric parking brake is applied. Red indicator lamp PARK (USA) or (Canada) lights up on the driver display.

## Information on collision detection for a parked vehicle

If an impact is detected with tow-away protection enabled in the vehicle and collision detection is active, a message is displayed in the multimedia system when the vehicle is switched on.

**YOU WILL THEN RECEIVE INFORMATION ON THE FOLLOWING:**

- The area of the vehicle that may have been damaged
- The force of the impact

**THE FOLLOWING SITUATIONS CAN LEAD TO INADVERTENT ACTIVATION:**

- The parked vehicle is moved, forexample in a double-decker garage.
- The locked vehicle is parked in a car wash.

ⓘ Deactivate tow-away protection to prevent inadvertent activation. If you deactivate tow-away protection, collision detection will also be deactivated.
You can permanently deactivate collision detection via the multimedia system (⟶ page 389).

If the battery is heavily discharged, the collision detection function is automatically deactivated when the vehicle is parked to facilitate the next engine start.

**SYSTEM LIMITS**

**DETECTION MAY BE RESTRICTED IN THE FOLLOWING SITUATIONS:**

- if damage is caused to the vehicle without impact, forexample, if an outside mirror is torn off or the paint is damaged by a key
- in the event of an impact involving the other party at low speed
- if the electric parking brake is not applied

You are responsible for your vehicle. You should therefore always ensure that your vehicle is free of damage and is roadworthy.

# Setting collision detection for a parked vehicle

Multimedia system:

Settings Vehicle Open/Close Vehicle Protection

- Activate or deactivate the function via Collision Notification.

**ACTIVATING OR DEACTIVATING THE COLLISION PHOTOS FUNCTION**

Please note that legal restrictions regarding automatic recording of the vehicle surroundings may be in place in certain countries.

- Activate or deactivate Collision Photos.

A maximum of three incidents can be recorded. Up to 15 photos are taken for every incident. In the event of another incident, the photos from the first incident will be overwritten if they have not been deleted already.

**TRANSFERRING COLLISION PHOTOS WITH THE MERCEDES-BENZ APP**

- Select Upload Collision Photos.
- Select Upload Automatically.
- Scan the QR code generated on the central display using the Mercedes-Benz App.

  The collision photos will be uploaded to Mercedes-Benz in encrypted format.

In the Mercedes-Benz App, you can view the collision photos on all devices that were used to scan the QR code.

**COPYING THE COLLISION PHOTOS TO A USB FLASH DRIVE**

- Connecting a USB flash drive (⟶ page 643).
- Select Manage Collision Photos.
- Select Copy (USB).

  All collision photos will be copied to the USB flash drive.

Only use FAT32 or exFAT formatted USB storage devices to ensure secure operation.

**DELETING COLLISION PHOTOS**

- Select Manage Collision Photos.
- Select Delete.

  All collision photos will be deleted.

# Notes on parking the vehicle for an extended period

If you leave the vehicle parked for longer than six weeks, it may suffer damage through disuse.

The 12 V battery may also be impaired or damaged by heavy discharging.

Further information can be obtained at a qualified specialist workshop.

# Driving and driving safety systems

## Driving systems and your responsibility

Your vehicle is equipped with driving systems that assist you in driving, parking and maneuvering the vehicle. The driving systems are only aids. They are not a substitute for you paying attention to your surroundings and do not relieve you of your responsibility pertaining to road traffic law. The driver is always responsible for maintaining a safe distance to the vehicle in front, for vehicle speed, for braking in good time and for staying in lane. Pay attention to the traffic conditions at all times and intervene when necessary. Be aware of the limitations regarding the safe use of these systems.

Driving systems can neither reduce the risk of an accident if you fail to adapt your driving style nor override the laws of physics. They cannot always take into account road, weather or traffic conditions.

ⓘ Some driving systems can regulate or limit the speed to a previously set value. Draw attention to the stored speed when changing drivers.

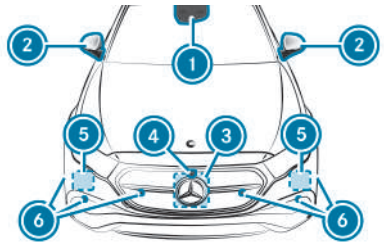
## Information on vehicle sensors and cameras

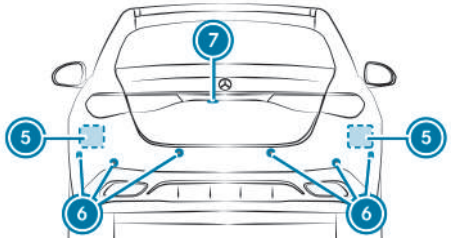
⚠ **WARNING**
Risk of accident if the detection capability of the vehicle sensors or cameras is impaired

If the areas of the vehicle sensors or cameras are obscured, damaged or dirty, some driving and driving safety systems may no longer function correctly. There is a risk of an accident.

- ► Always keep the areas of the vehicle sensors and cameras clear of obstructions and clean.
- ► Have damage to the bumpers, radiator shell or stone chipping in the area of the cameras in the windshield repaired at a qualified specialist workshop.

Some driving and driving safety systems use cameras as well as radar or ultrasonic sensors to monitor the area in front of, behind or next to the vehicle.





1 Multifunction camera
2 Cameras in the exterior mirrors
3 Front radar
4 Front camera
5 Corner radars
6 Ultrasonic sensors
7 Reversing camera

In particular, keep the sensor and camera areas free of dirt, ice or slush (⟶ page 676). The sensors and cameras must not be covered and the detection ranges around them must be kept free. Do not attach additional license plate brackets, advertisements, stickers, car foils or rock chip protection films in the detection range of the sensors and cameras. Make sure there are no overhanging loads protruding into the detection range.

If there is damage to a bumper or the radiator shell, or after an impact, have the function of the sensors checked at a qualified specialist workshop. Have damage or stone chips in the area of the cameras in the windshield repaired at a qualified specialist workshop.

ⓘ The reversing camera can extend and retract automatically for the purpose of calibration, even though there is no camera image on the display.

# Overview of driving systems and driving safety systems

**DRIVING SYSTEMS AND DRIVING SAFETY SYSTEMS**

- ABS (⟶ page 393)
- BAS (⟶ page 394)
- ESP® (⟶ page 394)
- ESP® (Mercedes-AMG vehicles) (⟶ page 395)
- ESP® Crosswind Assist (⟶ page 397)
- EBD (⟶ page 399)
- STEER CONTROL (⟶ page 399)
- HOLD function (⟶ page 399)
- Hill Start Assist (⟶ page 400)
- ATTENTION ASSIST (⟶ page 401)
- Cruise control (⟶ page 403)
- Traffic Sign Assist (⟶ page 430)
- AIRMATIC (⟶ page 440)
- AMG RIDE CONTROL (⟶ page 442)

**DRIVING ASSISTANCE PACKAGE**

- Active Distance Assist DISTRONIC (⟶ page 406)

- Active Speed Limit Assist (⟶ page 412)
- Route-based speed adaptation (⟶ page 413)
- Active Brake Assist (⟶ page 424)
- Active Steering Assist (⟶ page 415)
- Active Emergency Stop Assist (⟶ page 417)
- Active Lane Change Assist (⟶ page 419)
- Active Stop-and-Go Assist (⟶ page 415)
- Active Blind Spot Assist with exit warning (⟶ page 434)
- Active Lane Keeping Assist (⟶ page 437)
- PRE-SAFE® Impulse Side (⟶ page 144)

ⓘ The availability of some functions or partial functions of the Driving Assistance Package depends on the respective equipment or country of use. The range of functions for your Driving Assistance Package may differ from the functions listed here.

**THE FOLLOWING DRIVING ASSISTANCE SYSTEMS ARE ALSO AVAILABLE WITHOUT THE DRIVING ASSISTANCE PACKAGE, ALBEIT WITH A RESTRICTED RANGE OF FUNCTIONS:**

- Active Distance Assist DISTRONIC
- Active Brake Assist
- Active Emergency Stop Assist
- Active Blind Spot Assist with exit warning
- Active Lane Keeping Assist

**PARKING SYSTEMS**

- 360° camera (⟶ page 445)
- Parking Assist PARKTRONIC (⟶ page 449)
- Active Parking Assist (⟶ page 453)

ⓘ Availability of individual functions depends on the respective equipment or country of use.

## Function of ABS

**THE ANTI-LOCK BRAKE SYSTEM (ABS) REGULATES THE BRAKE PRESSURE IN CRITICAL DRIVING SITUATIONS:**

- During braking, for instance, at maximum full-stop braking or if there is insufficient tire traction, the wheels are prevented from locking.
- Vehicle steerability while braking is ensured.

If ABS intervenes when braking, you will feel a pulsing in the brake pedal. The pulsating brake pedal can be an indication of hazardous road conditions and can serve as a reminder to take extra care while driving.

**SYSTEM LIMITS**

- ABS is active from speeds of approx. 3 mph (5 km/h).
- ABS may be impaired or may not function if a malfunction has occurred and the yellow (ABS) ABS warning lamp lights up continuously after the vehicle is started.

# Function of BAS

**WARNING**
Risk of an accident caused by a malfunction in BAS (Brake Assist System)

If BAS is malfunctioning, the braking distance in an emergency braking situation is increased.

► Depress the brake pedal with full force in emergency braking situations. ABS prevents the wheels from locking.

The Brake Assist System (BAS) supports your emergency braking situation with additional brake force.

**IF YOU DEPRESS THE BRAKE PEDAL QUICKLY, BAS IS ACTIVATED:**

- BAS automatically boosts the brake pressure.
- BAS can shorten the braking distance.
- ABS prevents the wheels from locking.

The brakes will function as usual once you release the brake pedal. BAS is deactivated.

# ESP® (Electronic Stability Program)

**FUNCTION OF ESP®**

**CHARACTERISTICS WHEN ESP® IS ACTIVATED**

**THE ELECTRONIC STABILITY PROGRAM (ESP®) CAN MONITOR AND IMPROVE DRIVING STABILITY AND TRACTION IN THE FOLLOWING SITUATIONS WITHIN PHYSICAL LIMITS:**

- when starting off on wet or slippery roads
- when braking

**IF THE VEHICLE DEVIATES FROM THE DIRECTION DESIRED BY THE DRIVER, ESP® CAN STABILISE THE VEHICLE BY INTERVENING IN THE FOLLOWING WAYS:**

- One or more wheels are individually braked.
- The engine output is adapted according to the situation.

**WHEN ESP® IS DEACTIVATED, THE OFF WARNING LAMP LIGHTS UP CONTINUOUSLY:**

- Driving stability will no longer be improved.
- The drive wheels could spin.
- ETS/4ETS traction control is still active.

**WHEN THE WARNING LAMP FLASHES, ONE OR SEVERAL WHEELS HAS REACHED ITS GRIP LIMIT:**

- Adapt your driving style to suit the current road and weather conditions.
- Do not deactivate ESP®.
- Only depress the accelerator pedal as far as is necessary when starting off.

### CHARACTERISTICS WHEN ESP® IS DEACTIVATED

**WARNING**
Risk of skidding if ESP® is deactivated

If you deactivate ESP®, ESP® cannot carry out vehicle stabilization.

► ESP® should only be deactivated in the following situations.

### TO IMPROVE TRACTION, ESP® CAN BE SWITCHED OFF IN THE FOLLOWING SITUATIONS:

- when using snow chains
- in deep snow
- on sand or gravel

Spinning the wheels results in a cutting action, which enhances traction.

If the warning lamp lights up continuously, ESP® is not available due to a malfunction.

### OBSERVE THE FOLLOWING INFORMATION:

- Indicator and warning lamps (⟶ page 910)
- Display messages (⟶ page 836)

### ETS/4ETS

ETS/4ETS traction control (Electronic Traction System) is part of ESP® and makes it possible to pull away and accelerate on a slippery road.

### ETS/4ETS CAN IMPROVE THE VEHICLE'S TRACTION BY INTERVENING IN THE FOLLOWING WAYS:

- The drive wheels are braked individually if they spin.
- More drive torque is transferred to the wheel or wheels with traction.

### INFLUENCE OF DRIVE PROGRAMS ON ESP®

The drive programs enable ESP® to adapt to different weather and road conditions as well as the driver's preferred driving style. Depending on the selected drive program, the appropriate ESP® mode will be activated (⟶ page 333).

### FUNCTION OF ESP® (MERCEDES-AMG VEHICLES)

### YOU CAN SELECT BETWEEN THE FOLLOWING MODES OF THE ELECTRONIC STABILITY PROGRAM (ESP®):

- ESP® ON
- ESP® SPORT
- ESP® OFF

### CHARACTERISTICS WHEN ESP® IS ACTIVATED

### ESP® MONITORS AND IMPROVES DRIVING STABILITY AND TRACTION, PARTICULARLY IN THE FOLLOWING SITUATIONS:

- When starting off on wet or slippery roads.
- When braking.
- When there is a strong crosswind and a driving speed of approximately 50 mph (80 km/h) to 125 mph (200 km/h).

### ESP® CAN STABILIZE THE VEHICLE BY INTERVENING IN THE FOLLOWING WAYS:

- One or more wheels are braked.

- The drive system output is adapted according to the situation.

ESP® is activated every time the vehicle is started regardless of whether ESP® SPORT or ESP® OFF was selected before the engine was switched off.

**WHEN THE [ESP] WARNING LAMP FLASHES, ONE OR MORE WHEELS HAS REACHED ITS GRIP LIMIT:**

- Adapt the driving style to suit the prevailing road and weather conditions.
- Do not deactivate ESP® under any circumstances.
- Only depress the accelerator pedal as far as necessary when starting off.

**CHARACTERISTICS OF ESP® SPORT**

**WARNING**
Risk of skidding if ESP® SPORT is used incorrectly

When you activate ESP® SPORT, there is an increased risk of skidding and having an accident.

► Activate ESP® SPORT only in the circumstances described below.

When ESP® SPORT is selected, the [ESP OFF] and [ESP SPORT] warning lamps light up continuously.

Select ESP® SPORT when the vehicle's own oversteering and understeering characteristics are desired, e.g. on cordoned-off roads.

Driving with ESP® SPORT or with ESP® deactivated requires an extremely qualified and experienced driver.

If ESP® SPORT is activated and one or more wheels start to spin, the [ESP] warning lamp flashes. ESP® then only stabilizes the vehicle to a limited degree.

**ESP® SPORT ALSO HAS THE FOLLOWING CHARACTERISTICS:**

- ESP® only improves driving stability to a limited degree.
- ETS/4ETS traction control is still active.
- The power of the drive system is only slightly limited according to the situation and the drive wheels can spin.
  The spinning of the wheels results in a cutting action for better traction on loose surfaces.
- ESP® continues to provide assistance when the brakes are firmly applied.
- Crosswind Assist is no longer active.

**CHARACTERISTICS WHEN ESP® IS DEACTIVATED**

**WARNING**
Risk of skidding if ESP® is deactivated

If you deactivate ESP®, ESP® cannot carry out vehicle stabilization.

► ESP® should only be deactivated in the following situations.

When ESP® is switched off, the [ESP OFF] and [ESP OFF] warning lamps light up continuously.

**DEACTIVATING ESP® HAS THE FOLLOWING EFFECTS:**

- Driving stability will no longer be improved.
- The drive wheels could spin.
- ETS/4ETS traction control is still active.
- Crosswind Assist is no longer active.

ⓘ Even when ESP® is deactivated, you are still assisted by ESP® when braking hard.

**IT MAY BE BEST TO ACTIVATE ESP® SPORT OR DEACTIVATE ESP® IN THE FOLLOWING SITUATIONS:**

- When using snow chains.
- In deep snow.
- On sand or gravel.

ⓘ Spinning the wheels results in a cutting action, which enhances traction.

ⓘ Activate ESP® as soon as the situations described above no longer apply. ESP® will otherwise not be able to stabilize the vehicle if the vehicle starts to skid or a wheel starts to spin.

If the warning lamp lights up continuously, ESP® is not available due to a malfunction.

**OBSERVE THE DISPLAY MESSAGES AND INDICATOR AND WARNING LAMPS WHICH ARE DISPLAYED:**

- Indicator and warning lamps (⟶ page 910)
- Display messages (⟶ page 836)

**ETS/4ETS (ELECTRONIC TRACTION SYSTEM)**

ETS/4ETS traction control is part of ESP®.

**ETS/4ETS CAN IMPROVE THE VEHICLE'S TRACTION BY INTERVENING IN THE FOLLOWING WAYS:**

- The drive wheels are braked individually if they spin.
- More drive torque is transferred to the wheel or wheels with traction.

**FUNCTION OF ESP® CROSSWIND ASSIST**

**ESP® CROSSWIND ASSIST DETECTS SUDDEN GUSTS OF SIDE WIND AND HELPS THE DRIVER TO KEEP THE VEHICLE IN THE LANE:**

- ESP® Crosswind Assist operates at vehicle speeds between approximately 50 mph (80 km/h) and 125 mph (200 km/h) when you are driving straight ahead or cornering slightly.
- The system stabilizes the vehicle by applying the brakes to specific wheels on one side.

**ACTIVATING/DEACTIVATING ESP® (ELECTRONIC STABILITY PROGRAM)**

Multimedia system:



► Select ESP®.

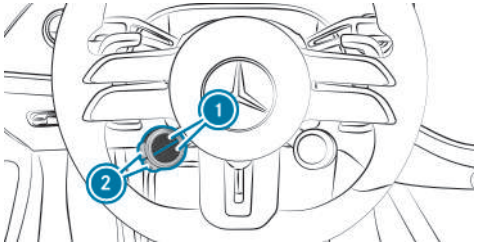
► Select On or Off.

ESP® is deactivated if the ESP® OFF warning lamp lights up continuously on the driver display.

Observe the information on the warning lamps and the display messages that may be shown on the driver display.

**SETTING ESP® WITH THE AMG STEERING WHEEL BUTTON**

ⓘ You can also adjust ESP® via the multimedia system (⟶ page 338).




- **To adjust ESP®:** Press upper or lower display button (1) repeatedly, until it displays the [OFF] symbol.

ⓘ If the display button does not show the symbol, then it is hidden. How functions are displayed and the order in which they are displayed can be set in the multimedia system (⟶ page 331).

**THE ROAD COLOR OF THE [OFF] BUTTON SYMBOL INDICATES THE CURRENT SETTING:**

- [OFF] (blue): ESP® ON
- [OFF] (yellow): ESP® SPORT
- [OFF] (red): ESP® OFF

- **To set ESP® SPORT:** Briefly press button (2) when ESP® is activated.
  The road in the [OFF] button symbol lights up yellow.
  The [OFF] and [ESP SPORT] warning lamps appear in the driver display.
- **To deactivate ESP® : Set** ESP® SPORT then press and hold the button (2).
  The road in the [OFF] button symbol lights up red.
  The [OFF] and [ESP OFF] warning lamps appear in the driver display.
- **To activate® ESP:** Briefly press button (2) when ESP® SPORT is selected or ESP® is deactivated.
  The road in the [OFF] button symbol lights up blue.
  The [OFF] and [ESP SPORT] or [ESP OFF] warning lamps go out.

When the [car] symbol is shown with a red **!** on the display button, ESP® is malfunctioning. Observe the information on warning lamps and display messages which are shown in the driver display.

**SETTING ESP® IN THE MULTIMEDIA SYSTEM (MERCEDES-AMG VEHICLES)**
Multimedia system:
[home] ⏩ Settings ⏩ Vehicle ⏩ DYNAMIC SELECT

ⓘ Depending on the equipment, the AMG DYNAMIC SELECT menu can also be accessed via the AMG button in the center console.

ESP® is always activated when the vehicle is started. The road in the [OFF] button symbol lights up blue.

- **To set ESP® SPORT:** when ESP® is activated, briefly press [OFF] to change to the Sport program.
  The road in the [OFF] button symbol lights up yellow.
- **To switch off ESP® :** set the ESP® SPORT program and press and hold [OFF] to switch off ESP®.
  The road in the [OFF] button symbol lights up red. The [OFF] and [ESP OFF] warning lamps appear on the driver display.
- **To switch on ESP® :** in ESP® SPORT or when ESP® is switched off, briefly press [OFF].
  The road in the [OFF] button symbol lights up blue.

The OFF and ESP SPORT or ESP OFF warning lamps go out.

ⓘ You can also set ESP® via the steering-wheel buttons (→ page 397).

## Function of EBD

**ELECTRONIC BRAKEFORCE DISTRIBUTION (EBD) IS HAS THE FOLLOWING FEATURES:**

- Monitoring and regulating the brake pressure on the rear wheels
- Improved driving stability when braking, especially on bends

## Function of STEER CONTROL

STEER CONTROL assists you by transmitting a distinct steering force to the steering wheel in the direction required for vehicle stabilization.

**THIS STEERING RECOMMENDATION IS GIVEN IN THE FOLLOWING SITUATIONS:**

- both right wheels or both left wheels are on a wet or slippery road surface when you brake
- the vehicle starts to skid

**SYSTEM LIMITS**

**STEER CONTROL MAY BE IMPAIRED OR INOPERATIVE IN THE FOLLOWING SITUATIONS:**

- ESP® is deactivated.
- ESP® is malfunctioning.
- The steering is malfunctioning.

If ESP® is malfunctioning, the power steering continues to provide assistance.

## HOLD function

**HOLD FUNCTION**

The HOLD function holds the vehicle at a standstill without requiring you to depress the brake pedal, e.g.,while waiting in traffic.

The HOLD function is merely an aid. The responsibility for the vehicle remaining safely at a standstill lies with the driver.

**SYSTEM LIMITS**

The HOLD function is only intended to provide assistance when driving and is not a sufficient means of safeguarding the vehicle against rolling away when stationary.

- The gradient must not be greater than 30 %.

### ACTIVATING/DEACTIVATING THE HOLD FUNCTION

**WARNING**
Risk of an accident due to the HOLD function being active when you leave the vehicle

**IF THE VEHICLE IS ONLY BRAKED WITH THE HOLD FUNCTION IT COULD, IN THE FOLLOWING SITUATIONS, ROLL AWAY:**

- If there is a malfunction in the system or in the power supply.
- If the HOLD function is deactivated by depressing the accelerator pedal or brake pedal, e.g. by a vehicle occupant.

► Always secure the vehicle against rolling away before you leave it.

**Requirements:**

- The vehicle is stationary.
- The driver's door is closed or the driver is correctly belted.
- The vehicle has been started or has been automatically switched off by the ECO start/stop function.
- The electric parking brake has been released.
- The transmission position D, R or N is engaged.

### ACTIVATING THE HOLD FUNCTION

► Depress the brake pedal, and after a short time quickly depress further until the HOLD display appears on the driver display.

► Release the brake pedal.

### DEACTIVATING THE HOLD FUNCTION

► Depress the accelerator pedal to start off.

or

► Depress the brake pedal until HOLD disappears from the driver display.

**THE HOLD FUNCTION IS ALSO DEACTIVATED IN THE FOLLOWING SITUATIONS:**

- The parking position P is engaged.
- The vehicle is secured with the electric parking brake.

**IN THE FOLLOWING SITUATIONS, THE VEHICLE IS HELD BY THE PARKING POSITION P AND/OR ELECTRIC PARKING BRAKE:**

- The seat belt is unfastened and the driver's door is opened.
- The vehicle is switched off.
- There is a system fault.
- The power supply is insufficient.

## Function of Hill Start Assist

**WARNING**
Risk of accident and injury due to the vehicle rolling away

After a short time, Hill Start Assist no longer holds the vehicle.

► Swiftly move your foot from the brake pedal to the accelerator pedal. Do not leave the vehicle when it is being held by Hill Start Assist.

**HILL START ASSIST HOLDS THE VEHICLE FOR A SHORT TIME WHEN STARTING OFF UPHILL UNDER THE FOLLOWING CONDITIONS:**

- The transmission position D or R for starting off uphill is selected.
- The electric parking brake has been released.

This gives you enough time to move your foot from the brake pedal to the accelerator pedal and depress it without the vehicle rolling away immediately.

# ATTENTION ASSIST

**FUNCTION OF ATTENTION ASSIST**

ATTENTION ASSIST assists you on long, monotonous journeys, e.g.on highways and interstates. If indicators of fatigue or increasing lapses in concentration on the part of the driver are detected, the system suggests taking a break.

ATTENTION ASSIST serves solely as an aid. It cannot always promptly detect fatigue or lapses in concentration. The system is not a substitute for a well-rested and attentive driver. On long journeys, take regular, timely breaks to allow for adequate recovery.

**YOU CAN CHOOSE BETWEEN TWO SETTINGS:**

- **Standard:** normal system sensitivity.
- **Sensitive:** higher system sensitivity. The driver is warned earlier and the attention level detected by ATTENTION ASSIST is adapted accordingly.

If fatigue or increasing lapses in concentration are detected, the driver display shows the warning: ATTENTION ASSIST: Take a Break!. You can acknowledge the message and take a break as necessary. If you do not take a break and ATTENTION ASSIST continues to detect increasing lapses in concentration, you will be warned again after a minimum of 15 minutes.

If ATTENTION ASSIST is unable to calculate the attention level and cannot issue a warning, the System Suspended message appears.

If the driver display shows a warning, the multimedia system offers to search for a rest area. You can select a rest area and start navigation to this rest area.

When you restart the vehicle, ATTENTION ASSIST is automatically switched on. The last sensitivity level selected remains stored.




**THE FOLLOWING INFORMATION IS SHOWN ON THE DRIVER DISPLAY:**

- Journey time since the last break
- The attention level determined by ATTENTION ASSIST:
  - The more segments of the circle (2) displayed, the higher the detected attention level.
  - Fewer segments (2) are displayed in the circle as the attention level decreases.
- Microsleep detection status (1) :
  - **Gray:** switched on, but will not issue a warning.
  - **Green:** switched on and will issue a warning.
  - **Deactivated:** display is hidden.

Depending on the respective vehicle equipment and country of use, ATTENTION ASSIST features a distraction detection and/or microsleep detection subfunction. These functions are only available in conjunction with the driver camera.

**MICROSLEEP DETECTION**

If the system detects signs of microsleep using the driver camera, the warning message ATTENTION ASSIST Nodding Off Take a Break!, appears on the driver display and a warning tone sounds simultaneously. This warning message must be acknowledged using the Touch Control. It is recommended that you take a break immediately.

If the driver does not react to the microsleep warning, an emergency stop may be initiated by the system (⟶ page 417).

**DISTRACTION DETECTION**

ATTENTION ASSIST can use the driver camera to detect when the driver takes their eyes off the road and is distracted as a result.

If the system detects driver distraction, the white ATTENTION ASSIST Stay Alert! message appears after a few seconds and a warning tone sounds. If the driver does not return their gaze to the road, the message is displayed in yellow and a continuous warning tone sounds.

If the driver still does not react to the warning, an emergency stop can be initiated by the system (⟶ page 417).

**STATUS DISPLAY OF ATTENTION ASSIST**

**Yellow:** the microsleep detection and distraction detection subfunctions are malfunctioning. Observe the display messages.

**Yellow:** the system is not available. Observe the display messages.

**White:** the system is switched off (country-dependent).

**SYSTEM LIMITS**

- ATTENTION ASSIST is active in the 37 mph (60 km/h) to 124 mph (200 km/h) speed range.
- The microsleep detection and distraction detection subfunctions are available upwards of approx. 12 mph (20 km/h).

**THE FUNCTIONALITY OF ATTENTION ASSIST IS RESTRICTED, AND WARNINGS MAY BE DELAYED OR NOT ISSUED AT ALL IN THE FOLLOWING SITUATIONS IN PARTICULAR:**

- if you have been driving for less than approximately 30 minutes
- if the road condition is poor (uneven road surface or potholes)
- if there is a strong side wind
- if you adopt a sporty driving style (high cornering speeds or high rates of acceleration)
- if the Active Steering Assist function of Active Distance Assist DISTRONIC is active
- if the clock is set to the incorrect time
- if you change lanes and vary your speed frequently in active driving situations
- if ESP® is not available

**IN ADDITION, MICROSLEEP AND DISTRACTION DETECTION DO NOT FUNCTION WHEN THE DRIVER CAMERA CANNOT DETECT THE DRIVER'S EYES, FOREXAMPLE AS A RESULT OF THE FOLLOWING FACTORS:**

- The driver's eyes are covered due to the steering column position, forexample.
- Poor ambient light.

- Certain types of eyeglasses or sunglasses.
- The driver's line of vision is outside the driver camera's field of vision.

Observe also the information on display messages shown on the driver display.

**THE ATTENTION ASSIST DROWSINESS AND ALERTNESS ASSESSMENT IS RESET AND RESTARTED WHEN CONTINUING THE JOURNEY IN THE FOLLOWING SITUATIONS:**

- If you switch off the vehicle.
- If you unfasten your seat belt and open the driver's door (e.g.to change drivers or to take a break).

**SETTING ATTENTION ASSIST**

Multimedia system:

Settings » Assistance » Assistance » ATTENTION ASSIST

- Activate or deactivate ATTENTION ASSIST.

**SETTING THE SENSITIVITY**

- Select next to ATTENTION ASSIST.
- Select Standard or Sensitive.

ATTENTION ASSIST can also be switched on or off in the control center.

# Speed control cruise control

**FUNCTION OF CRUISE CONTROL**

Cruise control regulates the speed to the value selected by the driver.

Forexample, the stored speed is not deleted if you accelerate to overtake. If you remove your foot from the accelerator pedal after overtaking, cruise control will resume speed regulation back to the stored speed.

You can set any speed above 15 mph (20 km/h) up to the maximum design speed.

Observe the notes on driving systems and your responsibility; otherwise you may fail to recognize potential dangers (→ page 391).

**NOTIFICATIONS ON THE DRIVER DISPLAY**

**Gray:** cruise control is selected but not yet activated or temporarily in passive mode.

**Green:** cruise control is activated.

A stored speed is shown below the display and is indicated in the speedometer.

**SYSTEM LIMITS**

Cruise control may be unable to maintain the stored speed on uphill gradients. The stored speed is resumed when the gradient evens out.

On long and steep downhill gradients, you must change down to a lower gear in good time. This is particularly important when driving a laden vehicle. You are thus making full use of the engine's braking effect. This will take some of the strain off the brake system and prevent the brakes from overheating and wearing too quickly.

**DO NOT USE CRUISE CONTROL IN THE FOLLOWING SITUATIONS:**

- In traffic situations which require frequent changes of speed, e.g. in heavy traffic, on winding roads.

- On slippery roads. Accelerating can cause the drive wheels to lose traction and the vehicle could then begin skidding.
- When visibility is poor.

## OPERATING CRUISE CONTROL

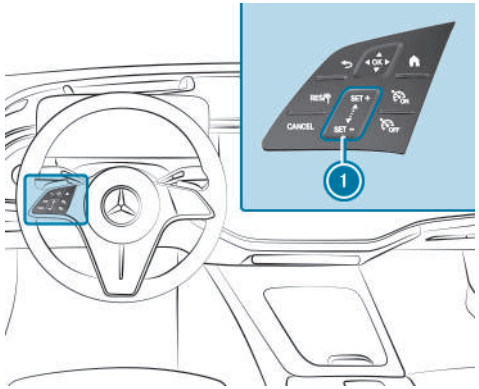
**WARNING**
Risk of accident due to stored speed

If you call up the stored speed and this is lower than your current speed, the vehicle decelerates.

► Take into account the traffic situation before calling up the stored speed.

**Requirements:**

- The transmission is in position D.
- The vehicle speed is at least 15 mph (20 km/h).
- ESP® must be activated, but not intervening.
- Cruise control is selected.




Steering wheel control panel for cruise control

| | |
|---|---|
| RES | Adopts the stored/detected speed |
| CANCEL | Deactivates cruise control |
| 1 SET + SET - | Control panel to increase/decrease speed |
| ON | Switches on cruise control |
| OFF | Switches off cruise control |

**To switch on cruise control:**

► Press ON.

**To activate cruise control:**

► Press SET + or SET - on the control panel 1.
The current travel speed is stored and maintained by the vehicle.

or

► Press RES.
The last stored speed is called up and maintained by the vehicle.

If the last stored speed has previously been deleted, the current vehicle speed is stored.

ⓘ When you switch off the vehicle, the last speed stored is deleted.

**Increasing/decreasing the stored speed:**

- ► To increase the stored speed: swipe upwards from the bottom of the control panel (1).
  - The stored speed is increased by 1 mph (1 km/h).
- ► To decrease the stored speed: swipe downwards from the top of the control panel (1).
  - The stored speed is decreased by 1 mph (1 km/h).

or

- ► Briefly press SET+ or SET- on the control panel (1).

  **THE STORED SPEED IS INCREASED OR DECREASED TO THE FOLLOWING VALUES DEPENDING ON THE RESPECTIVE UNIT OF MEASUREMENT:**

  - **mph:** the next value ending in 5
  - **km/h:** the next value ending in 0

or

- ► Accelerate the vehicle to the desired speed.
- ► Press SET+ on the control panel (1).

**Adopting a detected speed:**

If cruise control is activated and Traffic Sign Assist has detected a traffic sign with a maximum permissible speed and this is displayed on the driver display:

- ► Press RES.

  The maximum permissible speed shown by the traffic sign is stored, and the vehicle maintains this speed.

**To deactivate cruise control:**

- ► Press CANCEL.

**To switch off cruise control:**

- ► Press OFF.

ⓘ If you brake, deactivate ESP® or if ESP® intervenes, cruise control is deactivated.

# Active Distance Assist DISTRONIC

## FUNCTION OF ACTIVE DISTANCE ASSIST DISTRONIC

**WARNING**
Risk of accident from acceleration or braking by Active Distance Assist DISTRONIC

**ACTIVE DISTANCE ASSIST DISTRONIC MAY ACCELERATE OR BRAKE IN THE FOLLOWING CASES, FOR EXAMPLE:**

- If the vehicle pulls away using Active Distance Assist DISTRONIC.
- If the stored speed is called up and is considerably faster or slower than the currently driven speed.
- If Active Distance Assist DISTRONIC no longer detects a vehicle in front or does not react to relevant objects.

► Always carefully observe the traffic conditions and be ready to brake at all times.

► Take into account the traffic situation before calling up the stored speed.

**WARNING**
Risk of accident due to insufficient deceleration by Active Distance Assist DISTRONIC

Active Distance Assist DISTRONIC brakes your vehicle with up to 50% of the possible deceleration. If this deceleration is not sufficient, Active Distance Assist DISTRONIC alerts you with a visual and acoustic warning.

► Adjust your speed and maintain a suitable distance from the vehicle in front.

► Brake the vehicle yourself and/or take evasive action.

**WARNING**
Risk of accident if detection function of Active Distance Assist DISTRONIC is impaired

**ACTIVE DISTANCE ASSIST DISTRONIC DOES NOT REACT OR HAS A LIMITED REACTION:**

- when driving on a different lane or when changing lanes
- to pedestrians, animals, bicycles or stationary vehicles, or unexpected obstacles
- to complex traffic conditions
- to oncoming vehicles and crossing traffic

As a result, Active Distance Assist DISTRONIC may neither give warnings nor intervene in such situations.

► Always observe the traffic conditions carefully and react accordingly.

ⓘ Active Distance Assist DISTRONIC described for vehicles without Driving Assistance Package may be a Digital Extra (depending on the respective country of use) (⟶ page 107).

Active Distance Assist DISTRONIC maintains the set speed on free-flowing roads. If vehicles are detected ahead the set distance is maintained, if necessary until the vehicle comes to a standstill. The vehicle accelerates or brakes depending on the distance to the vehicle in front and the set speed.

The speed and distance to the vehicle in front are set and saved using the steering wheel.

**AVAILABLE SPEED RANGE:**

- **Vehicles without Driving Assistance Package:** 15 mph (20 km/h) - 100 mph (160 km/h)
- **Vehicles with Driving Assistance Package:** 15 mph (20 km/h) - 130 mph (210 km/h)

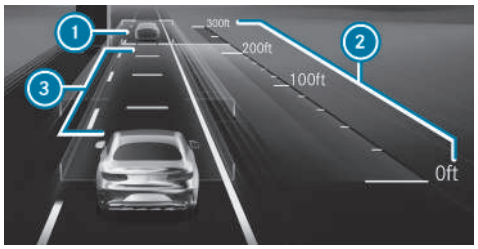
**OTHER FEATURES OF ACTIVE DISTANCE ASSIST DISTRONIC:**

- adjusts the driving style depending on the selected drive program
- initiates acceleration to the stored speed if the turn signal indicator is switched on to change to the overtaking lane
- **Vehicles with Driving Assistance Package:**
  - reacts to stationary vehicles detected in urban speed ranges (except bicycles and motorcycles)
  - takes one-sided overtaking restrictions into account on highways or multi-lane roads with separate roadways (country-dependent)

ⓘ It is possible to set the driving mode of Active Distance Assist DISTRONIC in the Active Distance Assist menu. Depending on the selected drive program, the driving behavior is energy-saving, comfortable or dynamic (⟶ page 414).

**Vehicles with Active Parking Assist and Driving Assistance Package:** if Active Distance Assist DISTRONIC has braked the vehicle to a standstill, it can automatically follow the vehicle in front when driving off again within 30 seconds if the system detects that the driver is touching the steering wheel. If a critical situation is detected in the surrounding area when driving off, suchas a person in the vehicle path, a visual and audible warning indicates that the driver must now take control of the vehicle. The vehicle is not accelerated any further.

Observe the notes on driving systems and your responsibility; otherwise you may fail to recognize potential dangers (⟶ page 391).




Notifications on the driver display in the Assistance menu

1 Vehicle in front
2 Distance indicator
3 Set specified distance

The vehicle detected in front 1 is highlighted in green. It may also be in the lane to the right of your vehicle in situations where it is not permitted to overtake on the left, forexample, on UK highways.

**PERMANENT STATUS DISPLAY**

**Gray:** Active Distance Assist DISTRONIC selected but not yet active.

**Green speedometer, gray vehicle:** Active Distance Assist DISTRONIC active, speed set.

**Green:** Active Distance Assist DISTRONIC active and vehicle detected.

The stored speed is shown under the permanent status display and highlighted on the speedometer. Active Distance Assist DISTRONIC's status display is grayed out when in passive mode.

If the speed of the vehicle in front or the ascertained target speed due to the route event ahead is less than the stored speed, the segments on the speedometer light up.

If you increase or decrease the set specified distance 3, the display appears briefly.

ⓘ The green vehicle symbol is displayed cyclically when the vehicle is ready to pull away.

ⓘ If the accelerator pedal is depressed while Active Distance Assist DISTRONIC is operational, the system can be switched to passive mode. The Suspended message appears briefly on the driver display.

**SYSTEM LIMITS**

**THE SYSTEM MAY BE IMPAIRED OR INOPERATIVE IN THE FOLLOWING INSTANCES, FOREXAMPLE:**

- In snow, rain, fog, heavy spray, if there is glare, in direct sunlight or in greatly varying ambient light.
- If the windshield in the area of the camera is dirty, fogged up, damaged or covered.
- If the radar sensors are dirty or covered.
- In parking garages or on roads with steep uphill or downhill gradients
- If there are narrow vehicles in front, such as bicycles or motorcycles.

In addition, one or more wheels may lose grip due to braking or acceleration on smooth or slippery roads, and the vehicle may begin skidding. If ESP® intervenes, Active Distance Assist DISTRONIC is deactivated.

Do not use Active Distance Assist DISTRONIC in these situations.

You can watch an animation on this topic via the following link:

**OPERATING ACTIVE DISTANCE ASSIST DISTRONIC**

⚠ **WARNING**
Risk of accident if detection function of Active Distance Assist DISTRONIC is impaired

**ACTIVE DISTANCE ASSIST DISTRONIC DOES NOT REACT OR HAS A LIMITED REACTION:**

- when driving on a different lane or when changing lanes
- to pedestrians, animals, bicycles or stationary vehicles, or unexpected obstacles
- to complex traffic conditions
- to oncoming vehicles and crossing traffic

As a result, Active Distance Assist DISTRONIC may neither give warnings nor intervene in such situations.

► Always observe the traffic conditions carefully and react accordingly.

⚠ **WARNING**
Risk of accident from acceleration or braking by Active Distance Assist DISTRONIC

**ACTIVE DISTANCE ASSIST DISTRONIC MAY ACCELERATE OR BRAKE IN THE FOLLOWING CASES, FOR EXAMPLE:**

- If the vehicle pulls away using Active Distance Assist DISTRONIC.
- If the stored speed is called up and is considerably faster or slower than the currently driven speed.
- If Active Distance Assist DISTRONIC no longer detects a vehicle in front or does not react to relevant objects.

► Always carefully observe the traffic conditions and be ready to brake at all times.

► Take into account the traffic situation before calling up the stored speed.

**WARNING**
Risk of accident due to insufficient deceleration by Active Distance Assist DISTRONIC

Active Distance Assist DISTRONIC brakes your vehicle with up to 50% of the possible deceleration. If this deceleration is not sufficient, Active Distance Assist DISTRONIC alerts you with a visual and acoustic warning.

- ► Adjust your speed and maintain a suitable distance from the vehicle in front.
- ► Brake the vehicle yourself and/or take evasive action.

**WARNING**
Risk of accident due to speed adaptation via Active Speed Limit Assist

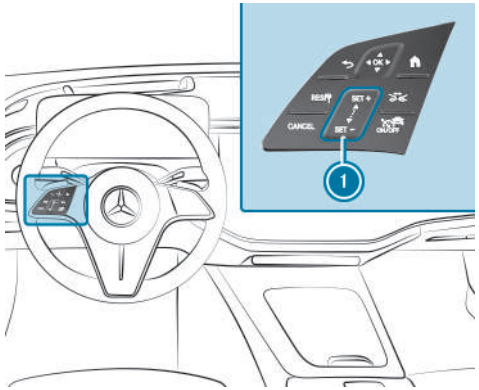
The speed limit adopted by Active Speed Limit Assist may be too high or otherwise erroneous in certain circumstances:

- in the case of speed limits below 12 mph (20 km/h)
- due to weather, e.g. in wet or foggy conditions

- ► Ensure that the vehicle speed always complies with the traffic regulations.
- ► Adjust the vehicle speed to the current traffic and weather conditions.

**Requirements:**

- The electric parking brake has been released.
- ESP® is switched on and is not intervening.
- Transmission position D is engaged.
- All the doors are closed.
- Check of the radar sensor system has been successfully completed.
- Snow chain mode is not active (→ page 718).




RES/ Adopts the stored/detected speed
CANCEL Deactivates Active Distance Assist DISTRONIC
1 SET + SET - Control panel to increase/decrease speed
Increases/decreases the specified distance
ON/OFF Activates/deactivates Active Distance Assist DISTRONIC

► **Activating/deactivating Active Distance Assist DISTRONIC: press** ON/OFF.

### OPERATING ACTIVE DISTANCE ASSIST DISTRONIC

- Press the corresponding button with only one finger or swipe across the control panel.

### ACTIVATING ACTIVE DISTANCE ASSIST DISTRONIC

- **Without stored speed:** press the control panel (1) at the top SET+ or at the bottom SET- or press RES. Remove your foot from the accelerator pedal.

or

- **With stored speed: press** RES. Remove your foot from the accelerator pedal.

  The last stored speed is called up and maintained by the vehicle.

  If the stored speed has been deleted, the current vehicle speed is stored.

### INCREASING/DECREASING THE SPEED

- To increase the stored speed: swipe upwards from the bottom of the control panel (1).
  - The stored speed is increased by 1 mph (1 km/h).
- To decrease the stored speed: swipe downwards from the top of the control panel (1).
  - The stored speed is decreased by 1 mph (1 km/h).

or

- Briefly press the top SET+ or bottom SET- of the control panel (1).

  The stored speed is increased or decreased by 5 mph (10 km/h).

or

- Accelerate the vehicle to the desired speed.
- Press the top SET+ of the control panel (1).

### ADOPTING THE SPEED RESTRICTION SHOWN ON THE DRIVER DISPLAY

- To activate Active Distance Assist DISTRONIC: press SET+, SET- or RES.
- To adopt the displayed speed restriction: press RES.

  The speed restriction shown on the driver display is adopted as the stored speed. The vehicle adapts its speed to that of the vehicle in front, but only up to the stored speed, or restricts its speed accordingly.

> ⓘ A speed restriction shown on the driver display is adopted only while the vehicle is motion, not when it is stationary.

### PULLING AWAY WITH ACTIVE DISTANCE ASSIST DISTRONIC

- Activate Active Distance Assist DISTRONIC and remove your foot from the brake pedal.
- Press RES.

or

- Depress the accelerator pedal briefly and firmly.

  The functions of Active Distance Assist DISTRONIC remain active.

### INCREASING/DECREASING THE SPECIFIED DISTANCE TO THE VEHICLE IN FRONT

- Press .

  The display appears. The specified distance is reduced by one level.

  If the lowest level is already selected, the selection jumps to the highest level.

## DEACTIVATES ACTIVE DISTANCE ASSIST DISTRONIC

**WARNING**
Risk of an accident due to Active Distance Assist DISTRONIC being active when you leave the driver's seat

If you leave the driver's seat while the vehicle is being braked by Active Distance Assist DISTRONIC only, the vehicle can roll away.

- ► Always deactivate Active Distance Assist DISTRONIC and secure the vehicle to prevent it from rolling away before you leave the driver's seat.

► Press CANCEL.

ⓘ If you brake, deactivate ESP® or if ESP® intervenes, Active Distance Assist DISTRONIC is deactivated.

## FUNCTION OF ACTIVE SPEED LIMIT ASSIST

**WARNING**
Risk of accident due to speed adaptation via Active Speed Limit Assist

The speed limit adopted by Active Speed Limit Assist may be too high or otherwise erroneous in certain circumstances:

- in the case of speed limits below 12 mph (20 km/h)
- due to weather, e.g. in wet or foggy conditions

► Ensure that the vehicle speed always complies with the traffic regulations.

► Adjust the vehicle speed to the current traffic and weather conditions.

If a change in speed limit is detected and automatic adoption of speed limits is switched on, the new speed limit will automatically be adopted as the stored speed (⟶ page 414). Speed limits below 12 mph (20 km/h) will not be adopted.

The vehicle's speed will be adjusted when the vehicle is level with the traffic sign at the latest. In the case of signs indicating entry into an urban area, the speed will be adapted according to the speed permitted within the urban area. The speed limit indicator on the driver's display will always be updated when the vehicle is level with the traffic sign.

If you are driving on a German freeway with no speed limit, the system will use the speed stored for a stretch of road with no speed limit as the set speed. If you do not alter the stored speed on a stretch of road with no speed limit, the recommended speed of 80 mph (130 km/h) will be adopted.

If you have switched Active Distance Assist DISTRONIC to passive mode by pressing the accelerator pedal, only speed limits that are higher than the stored speed will be adopted.

The maximum permissible speed does not take the road condition and current weather and traffic conditions into consideration. Adjust your speed accordingly when necessary.

Observe the notes on driving systems and your responsibility; you may otherwise fail to recognize potential dangers (⟶ page 391).

**SYSTEM LIMITS**

The system limits of Traffic Sign Assist apply to the detection of traffic signs (⟶ page 430).

Speed limits below 12 mph (20 km/h) will not automatically be adopted by the system as the set speed. Temporary speed restrictions (e.g. for a specific time or due to weather conditions) cannot be unequivocally detected by the system.

Adjust your speed in these situations.

You can watch an animation on this topic via the following link:

**FUNCTION OF ROUTE-BASED SPEED ADAPTATION**

⚠ **WARNING**
Risk of accident in spite of route-based speed adaptation

Route-based speed adaptation can malfunction or be temporarily unavailable in the following situations:

- If the driver does not follow the calculated route
- If map data is not up-to-date or available
- In the event of roadworks
- In bad weather or road conditions
- If the accelerator pedal is depressed
- In the event of electronically displayed speed limitations

▶ Adapt the speed to the traffic situation.

When Active Distance Assist DISTRONIC is activated, the vehicle speed will be adapted to the route events ahead. Depending on the drive program selected, the vehicle negotiates a route event ahead in an energy-saving, comfortable or dynamic manner. When the route event has been passed, the vehicle accelerates again to the stored speed. The set distance to the vehicle in front, vehicles detected ahead and speed restrictions ahead are taken into account.

Route-based speed adaptation can be activated in the multimedia system (⟶ page 414).

**THE FOLLOWING ROUTE EVENTS ARE TAKEN INTO ACCOUNT:**

- Bends
- Traffic circles
- T-intersections
- Turn-offs

- Slip roads, also on highway service areas and rest areas
- Traffic jams ahead (only with Live Traffic) (⟶ page 584)

**THE SPEED IS ALSO REDUCED IF THE TURN SIGNAL INDICATOR IS SWITCHED ON AND ONE OF THE FOLLOWING SITUATIONS IS DETECTED:**

- Turning off at intersections
- Driving in slowing-down lanes
- Driving in lanes adjacent to slowing-down lanes

The driver is responsible for choosing the right speed and observing other road users. This applies in particular to intersections, traffic circles, and traffic lights, as route-based speed adaptation does not brake the vehicle to a standstill.

When route guidance is active, the first speed adjustment is carried out automatically. If the turn signal indicator is switched on, the selected route is confirmed and further speed adjustment is activated.

**SPEED ADJUSTMENT IS CANCELED IN THE FOLLOWING CASES:**

- if the turn signal indicator is switched off before the route event and it is presumed that the route event is not deemed relevant for the driver.
- if the driver depresses the accelerator pedal or brake pedal during the process.

**SYSTEM LIMITS**

Route-based speed adaptation does not take right of way regulations into account. The driver is responsible for complying with road traffic regulations and driving at a suitable speed.

**IN DIFFICULT CONDITIONS, THE SPEED SELECTION MADE BY THE SYSTEM MAY NOT ALWAYS BE SUITABLE. THIS APPLIES TO THE FOLLOWING SITUATIONS, FOREXAMPLE:**

- the road's course is not clearly visible
- road narrowing
- varying maximum permissible speeds in individual lanes, forexample, at toll stations
- wet road surfaces, snow or ice

In these situations the driver must intervene accordingly.

**SETTING THE DRIVING STYLE FOR ACTIVE DISTANCE ASSIST DISTRONIC**

**Requirements:**

- Active Distance Assist DISTRONIC is activated.

Multimedia system:

Settings » Assistance » Driving » Active Distance Assist

**SELECTING A DRIVING STYLE**

► Select Based on DYNAMIC SELECT, Dynamic or Comfortable.

ⓘ Additional information on Active Distance Assist DISTRONIC (⟶ page 409).

**SETTING SPEED ADJUSTMENT**

► Select Route Based or Speed limit.

When these functions are active, the travel speed is adjusted depending on the route events ahead or in accordance with a speed limit.

**IF ONE OF THE FOLLOWING SYSTEMS IS ACTIVATED, THE DETECTED SPEED CAN BE MANUALLY ADOPTED AS THE MAXIMUM PERMISSIBLE SPEED:**

- Active Distance Assist DISTRONIC
- Cruise control
- Variable limiter

Additional information on speed adjustment (⟶ page 413).

**FUNCTION OF ACTIVE STOP-AND-GO ASSIST**

Active Stop-and-Go Assist helps you in traffic jams on multi-lane roads with separated roadways by automatically pulling away within up to 60 seconds and with moderate steering maneuvers. It orients itself using the vehicle in front and lane markings. Active Stop-and-Go Assist automatically maintains a safe distance from the vehicle in front and vehicles cutting in.

Active Stop-and-Go Assist requires you, as the driver, to keep your hands on the steering wheel at all times so that you can intervene at any time to correct the course of the vehicle and keep it in the lane.

Observe the notes on driving systems and your responsibility; you may otherwise fail to recognize potential dangers (⟶ page 391).

**ACTIVE STOP-AND-GO ASSIST WILL ACTIVATE AUTOMATICALLY WHEN ALL THE FOLLOWING CONDITIONS ARE MET:**

- You are in a traffic jam on a highway or major high-speed road.
- Active Distance Assist DISTRONIC is activated and active (⟶ page 409).
- Active Brake Assist is available (⟶ page 424).
- Active Steering Assist is switched on and active (⟶ page 417).
- You are traveling at a speed no greater than 35 mph (60 km/h).

When Active Stop-and-Go Assist is active, the status indicator will appear on the driver display.

**SYSTEM LIMITS**

The system limits of Active Distance Assist DISTRONIC and Active Steering Assist apply to Active Stop-and-Go Assist.

## Active Steering Assist

**FUNCTION OF ACTIVE STEERING ASSIST**

**WARNING**
Risk of accident if Active Steering Assist unexpectedly stops functioning

If the system limits of Active Steering Assist are reached there is no guarantee that the system will remain active or will keep the vehicle in lane.

- ► Always keep your hands on the steering wheel and observe the traffic carefully.
- ► Always steer the vehicle paying attention to traffic conditions.

**WARNING**
Risk of accident if Active Steering Assist unexpectedly intervenes

The detection of lane markings and objects may malfunction and cause unexpected steering interventions.

- Steer according to traffic conditions.

Active Steering Assist is available up to a speed of 130 mph (210 km/h).

The system helps you to stay in the center of the lane by means of moderate steering interventions. Depending on the vehicle speed, Active Steering Assist uses the vehicles ahead and lane markings as a reference.

Depending on the respective country of use, Active Steering Assist can use the surrounding traffic as a reference in the lower speed range. If necessary, Active Steering Assist can also assist when driving outside the center of the lane, forexample, to form an emergency corridor.

If the detection of lane markings and vehicles ahead is impaired, Active Steering Assist switches to passive mode. The system provides no support in this case.

**STATUS DISPLAY OF ACTIVE STEERING ASSIST**

**Gray:** activated and in passive mode

**Green:** activated and active

**Red, flashing:** prompt to the driver to actively confirm or transition from active to passive mode, system limits detected

**White, red hands:** "hands on the steering wheel" prompt

During the transition from active mode to passive mode, the symbol is shown as enlarged and flashing. Once the system is in passive mode, the symbol is shown as gray on the driver display.

Depending on the selected vehicle settings, Active Steering Assist may be unavailable.

**STEERING AND TOUCH DETECTION**

The driver is required to keep their hands on the steering wheel at all times to ensure that they can intervene at any time to correct the course of the vehicle and keep it in lane. The driver must anticipate a change from active mode to passive mode or vice versa at any time.




If the system detects that the driver has not steered the vehicle for a considerable period of time or has removed their hands from the steering wheel, an initial visual warning is issued. The notification (1) appears on the driver display. If the driver still does not steer the vehicle, or gives no confirmation to the system, a repetitive warning tone sounds in addition to the visual warning message.

If the driver does not react to this warning for a considerable period, an emergency stop may be initiated (→ page 417).

The warning is not issued or stops as soon as the system detects the driver touching or steering the steering wheel.

Touch detection may be limited or inoperative if there is no direct contact between the hand and the steering wheel, e.g., when wearing gloves or if there is a cover on the steering wheel.

If Active Steering Assist detects that a system limit has been reached, a visual warning is issued and a warning tone sounds.

Observe the notes on driving systems and your responsibility; otherwise you may fail to recognize potential dangers (⟶ page 391).

**SYSTEM LIMITS**
Active Steering Assist has a limited steering torque for lateral guidance. In some cases, the steering intervention is not sufficient to keep the vehicle in the lane or to drive through exits.

**THE SYSTEM MAY BE IMPAIRED OR INOPERATIVE IN THE FOLLOWING SITUATIONS:**

- There is poor visibility, e.g., due to snow, rain, fog, heavy spray, greatly varying light conditions or dense shadows on the roadway.
- There is glare, e.g. from oncoming traffic, direct sunlight or reflections.
- If there is insufficient road illumination.
- The windshield is dirty, fogged up, damaged, or covered in the vicinity of the camera, e.g., by a sticker.
- If there are no lane markings in a given lane, or the markings are not easily discernible or change quickly, forexample, in a construction area or at intersections.
- If the lane markings are worn away, dark or covered up, e.g. by dirt or snow.
- If the distance to the vehicle in front is too short and the lane markings can therefore not be detected.
- If the roadway is narrow and winding.
- If there are obstacles on the lane or projecting out into the lane, suchas object markers.

**THE SYSTEM DOES NOT PROVIDE ASSISTANCE IN THE FOLLOWING CONDITIONS:**

- in very tight bends and when turning
- when crossing intersections
- at roundabouts or toll stations
- when actively changing lane without switching on the turn signal indicator
- when the tire pressure is too low

You can watch an animation on this topic via the following link:

**ACTIVATING/DEACTIVATING ACTIVE STEERING ASSIST**

**Requirements:**

- ESP® is activated, but is not intervening.
- Active Distance Assist DISTRONIC is activated.

Multimedia system:
Settings » Assistance » Driving
▶ Activate or deactivate Active Steering Assist.

## Function of Active Emergency Stop Assist

Active Emergency Stop Assist monitors the steering wheel, as well as the accelerator and brake pedals. If the system detects a lack of driver activity or

the vehicle is in danger of leaving the lane, a warning may be issued and an emergency stop initiated.

**Vehicles without Driving Assistance Package:** the system is available from a speed of approx. 37 mph (60 km/h).

**Vehicles with Driving Assistance package:** if Active Steering Assist is switched off, the system is available from a speed of approx. 37 mph (60 km/h).

**IF THE VEHICLE IS IN DANGER OF LEAVING THE LANE, A WARNING IS ISSUED IN THE FOLLOWING INSTANCES.**

- The driver has not touched the steering wheel for a while, or no steering movement is detected for a while (depending on the respective vehicle equipment).
- Neither the accelerator pedal nor the brake pedal is depressed.

ⓘ **Vehicles with Driving Assistance package:** If Active Steering Assist is switched on and active, the system only monitors the steering wheel. If the driver has not touched the steering wheel for a certain period of time, a warning may be issued despite pedal actuation.
Observe also the instructions on touch detection of Active Steering Assist. (⟶ page 415)




**ACTIVE EMERGENCY STOP ASSIST ISSUES THE FOLLOWING WARNINGS IN SUCCESSION:**

- The notification (1) appears on the driver display.
- In addition to the notification (1), a warning tone sounds.
- The Emergency Stop Initiated To Cancel: Operate Steering Wheel and a Pedal message appears on the driver display, a continuous warning tone sounds and the vehicle will no longer accelerate. A slight tensioning of the belt will also be generated as required.
- The vehicle speed is reduced in increments until the vehicle comes to a standstill. This generates jerky braking impulses.

ⓘ **Vehicles with Driving Assistance Package:** If Active Distance Assist DISTRONIC is active and the driver unfastens the seat belt and opens the driver's door, an emergency stop can be initiated immediately.

**Vehicles with Driving Assistance package:** If possible, a lane change to the adjacent lane is performed (country-dependent). A lane change is only possible across one lane, and only to the outermost lane, not to the hard shoulder.

When automatic braking is initiated, Active Distance Assist DISTRONIC is deactivated. Depending on the respective country of use, the hazard warning light system is also switched on.

**WHEN THE VEHICLE HAS SLOWED TO A STANDSTILL:**

- the vehicle is secured with the electric parking brake.
- the vehicle is unlocked.

- if possible, an emergency call is made to the Mercedes-Benz emergency call center.

Before automatic braking is initiated, you can cancel Active Emergency Stop Assist by turning the steering wheel.

**YOU CAN CANCEL AN INTERVENTION BY ACTIVE EMERGENCY STOP ASSIST AFTER AUTOMATIC BRAKING IS INITIATED BY PERFORMING ONE OF THE FOLLOWING ACTIONS:**

- Accelerating or braking: braking is canceled, but the warning message, warning tone, and electric power steering remain active.
- Steering: electric power steering is canceled, the warning message and warning tone remain active, and the vehicle continues to be braked.

ⓘ Active Emergency Stop Assist can initiate an emergency stop a maximum of three times within a driving cycle. After that, Active Steering Assist and Active Emergency Stop Assist are disabled until the vehicle has been restarted.

**SYSTEM LIMITS**

**FOR THE DETECTION OF VEHICLES AND OTHER OBSTACLES, OBSERVE THE SYSTEM LIMITS OF THE FOLLOWING FUNCTIONS:**

- Active Distance Assist DISTRONIC (⟶ page 406)
- Active Steering Assist (⟶ page 415)
- Active Lane Change Assist (⟶ page 419)
- Active Lane Keeping Assist (⟶ page 437)
- Active Brake Assist (⟶ page 424)

**Vehicles without Driving Assistance Package:**

**ACTIVE EMERGENCY STOP ASSIST IS INACTIVE IN THE FOLLOWING CASES:**

- Active Lane Keeping Assist has reached a system limit.
-  Active Lane Keeping Assist is switched off (white status display).
-  Active Lane Keeping Assist is not ready (gray status display).

## Active Lane Change Assist

**FUNCTION OF ACTIVE LANE CHANGE ASSIST**

⚠ **WARNING**
Risk of accident when changing lanes into an occupied adjacent lane

Active Lane Change Assist cannot always clearly determine whether the adjacent lane is free, in particular if vehicles are approaching at speeds that differ greatly to that of your own vehicle, or in the case of narrow vehicles (e.g. motorcycles).

A lane change can be initiated even if the adjacent lane is occupied.

► Ensure before initiating the lane change that the adjacent lane is clear, and that the action does not pose any danger to other road users.

► Pay attention to other road users when changing lanes.

**WARNING**
Risk of accident due to abrupt failure of the Active Lane Change Assist function

If the system limits for Active Lane Change Assist are reached, it can not be guaranteed that the system remains active.

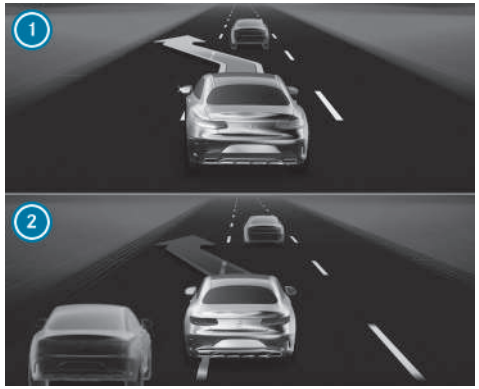
Active Lane Change Assist will then no longer provide any ancillary steering torque.

- Always perform and monitor the lane change with your hands on the steering wheel. Pay attention to the surrounding traffic conditions and intervene as required by steering and/or braking.

Active Lane Change Assist is activated via the turn signal indicator, and supports the driver when changing lanes by applying steering torque.

**THE FOLLOWING CONDITIONS MUST BE MET FOR THIS FUNCTION:**

- You are driving on a freeway or on a main road similar to a freeway.
- The travel speed is between approximately 40 mph (65 km/h) and 112 mph (180 km/h).
- A dashed boundary marking separates the adjacent lane.
- No vehicle or obstacle is detected in the adjacent lane.
- Active Lane Change Assist is switched on in the multimedia system (⟶ page 424).
- Active Distance Assist DISTRONIC and Active Steering Assist are switched on and are active.




Notifications on the driver display in the Assistance menu

1 Green arrow: lane change initiated
2 Red arrow: lane change canceled

If Active Lane Change Assist is available, the notification appears with green arrows on the driver display. If the system has been activated but is not currently available, the notification appears with gray arrows on the driver display.

If no vehicle or obstacle is detected in the adjacent lane and a lane change is permitted, the lane change is initiated as soon as the driver activates the turn signal indicator. The lane change is indicated to the driver by a green flashing arrow next to the steering wheel symbol . In the Assistance menu, a green arrow 1 indicating the respective adjacent lane appears on the driver display. The message Lane Change to the Left, for example, also appears.

If it is not possible to change lanes immediately after switching on the turn signal indicator because, forexample, an obstacle has been detected, the arrow next to the steering wheel symbol also flashes green. The adjacent lane continues to be monitored. When the lane becomes accessible, a lane change is carried out and the Lane Change to the Left message, forexample,

appears on the driver display. When the green arrows stop flashing, activate the lane change again.

**ACTIVE LANE CHANGE ASSIST CAN BE CANCELED IN THE FOLLOWING SITUATIONS, FOR EXAMPLE:**

- The environmental conditions change (e.g. obstacle detected).
- The driver steers too vigorously or steers in the opposite direction.
- The driver switches on the turn signal indicator in the opposite direction.
- Active Distance Assist DISTRONIC or Active Steering Assist is deactivated.
- The lane change cannot be executed by the vehicle as intended.

**CANCELLATION OF ACTIVE LANE CHANGE ASSIST IS DISPLAYED AS FOLLOWS:**

- The arrow in the selected direction of travel turns red.
- A corresponding message appears on the driver display.
- In certain circumstances, a warning tone sounds.

**AUTOMATIC LANE CHANGE**

⚠ **WARNING**
Risk of accident due to incorrectly executed lane change

The system can initiate a lane change, despite the traffic situation being unsuitable or if the adjacent lane is not available, is unusable or is occupied.

► Monitor the traffic conditions at all times.

► Canceling the lane change as necessitated: grip the steering wheel or perform a light countersteering action and guide the vehicle back into its own lane.

⚠ **WARNING**
Risk of accident due to incomplete lane change or failure to initiate a lane change

The system may not always clearly determine all situations in which a lane change is practical or necessary (e.g. the lane coming to an end).

In this case, no automatic lane change is initiated or is initiated too late and/or canceled.

► Monitor the traffic conditions at all times.

► Execute the lane change independently or implement preventative actions as required.

Automatic lane change is a subfunction of Active Lane Change Assist. It can assist the driver in deciding when a lane change is appropriate, as well as its subsequent execution.

You can cancel a lane change initiated by the system at any time by holding the steering wheel or countersteering slightly and returning the vehicle to its lane.

**THE FOLLOWING CONDITIONS MUST BE FULFILLED FOR AN AUTOMATIC LANE CHANGE:**

- The conditions for activating Active Lane Change Assist are fulfilled.
- Automatic lane change is switched on in the multimedia system (⟶ page 424).
- You are driving on a freeway or on a main road similar to a freeway, in a country for which this function is approved.
- The road currently being traveled allows lane changes. There are no tight bends, forexample.
- The travel speed is between approximately 40 mph (65 km/h) and 85 mph (140 km/h).

ⓘ If you are not in a country for which this function is approved, the menu item for automatic lane change will not be available in the multimedia system.

**ACTIVE LANE CHANGE ASSIST CAN INITIATE AN AUTOMATIC LANE CHANGE IN THE FOLLOWING SITUATIONS, FOR EXAMPLE:**

- The set desired speed for Active Distance Assist DISTRONIC cannot be reached due to a slower vehicle in front.
- There is little traffic, and the set desired speed for Active Distance Assist DISTRONIC can also be achieved in a slower lane.
- A lane change is necessary for the route entered in the navigation system or the road currently being navigated to be followed. The lane change can already take place before the prompt to do so appears in the navigation system.
- The system detects that the lane being traveled in is about to end.
- You are in the slowest lane.

**IN THE FOLLOWING SITUATIONS IN PARTICULAR, ACTIVE LANE CHANGE ASSIST DOES NOT PERFORM AN AUTOMATIC LANE CHANGE:**

- If the vehicle is already in a lane which should be used to follow the route entered in the navigation system.
- The system detects that the adjacent lane is about to end.
- On some route sections, no lane change is initiated to the slowest lanes.
- If the driver has canceled an automatic lane change, no lane change will be initiated in this direction for a certain period of time. The automatic lane change is then temporarily switched to passive mode for this direction.
- If the driver has initiated a lane change in a given direction or has changed lanes themselves, no lane change is initiated in the opposite direction for a certain period of time. The automatic lane change is then temporarily switched to passive mode for this direction.

The same cancellation conditions apply to the automatic lane change as to the lane change initiated by the driver with Active Lane Change Assist.

**IN ADDITION, THE AUTOMATIC LANE CHANGE CAN BE CANCELED UNDER THE FOLLOWING CIRCUMSTANCES IN PARTICULAR:**

- During the lane change, the system detects a construction site separated by traffic cones, in its own or in the adjacent lane.
- The system recognize that the reason for a lane change no longer exists.

**NOTIFICATIONS ON THE DRIVER DISPLAY**
If the automatic lane change is available, in place of the notification, the notification appears in green.

If the automatic lane change is available, but not all conditions for activation of the function are currently fulfilled, the **A**- symbols are shown in gray. In certain countries, only one **A** can be shown in gray. The automatic lane change is then temporarily switched to passive mode for this direction. This will be implemented, forexample, if the driver has canceled an automatic lane change or has initiated a lane change themselves.

If the system deems a lane change appropriate and has to adjust the travel speed accordingly, the green **A** flashes on the side to which a lane change is to take place.

When the automatic lane change is initiated, the driver display shows a vehicle with an arrow pointing to the adjacent lane to which the lane change is to take place, and a warning tone sounds. In addition, the reason for a lane change, forexample an overtaking maneuver, may be shown.

If the automatic lane change is canceled, on the display, the **A** on the side towards which a lane change was to take place is shown in red. Under certain circumstances, warning messages may also be displayed and an additional warning tone sounded.

You can watch an animation on this topic via the following link:

**SYSTEM LIMITS**
For Active Lane Change Assist, the system limits of Active Steering Assist apply (⟶ page 415).

**IN ADDITION, THE SYSTEM MAY BE IMPAIRED OR INOPERATIVE IN THE FOLLOWING SITUATIONS:**

- The sensors are damaged, covered or dirty (⟶ page 391).
- The exterior lighting indicates a defect.
- The system does not recognize a suitable road, e.g. in narrow bends.
- The vehicle is within a construction site.

**AUTOMATIC LANE CHANGE MAY BE INOPERATIVE OR IMPAIRED IN THE FOLLOWING SITUATIONS IN PARTICULAR, AND MAY LEAD TO LANE CHANGES BEING INITIATED INCORRECTLY:**

- The vehicle is in front of or within a construction site and/or the system has detected a construction site separated by traffic cones.
- The vehicle is within a section with temporary lane closures or lane openings.
- The system can no longer detect the lane marking correctly.
- It is raining heavily.
- Another vehicle changes to the same lane simultaneously, e.g. incoming traffic from slip roads.

ⓘ Active Lane Change Assist sensors adjust automatically while a certain distance is being driven after the vehicle has been delivered. Active Lane Change Assist is unavailable during this teach-in process, and no arrows are displayed next to the Active Steering Assist symbol.

Observe the notes on driving systems and your responsibility; you may otherwise fail to recognize potential dangers (⟶ page 391).

**SETTING ACTIVE LANE CHANGE ASSIST**

Multimedia system:

Settings » Assistance » Driving » Active Lane Change Assist

**ACTIVE LANE CHANGE ASSIST WITHOUT AUTOMATIC LANE CHANGE**

- Choose between the On or Off settings.

If the Active Steering Assist was switched off, then Active Lane Change Assist cannot be operated.

**ACTIVE LANE CHANGE ASSIST WITH AUTOMATIC LANE CHANGE**

- Manual Initiation Choose between the Off or Manual and Automatic Initiation settings.

If the Active Steering Assist was switched off, then Active Lane Change Assist cannot be operated.

Alternatively, automatic Lane Change Assist can be activated or deactivated in the quick-access menu.

Further information on automatic lane change (⟶ page 419).

# Active Brake Assist

**FUNCTION OF ACTIVE BRAKE ASSIST**

**WARNING**
Risk of an accident caused by limited detection performance of Active Brake Assist

Active Brake Assist cannot always clearly identify objects and complex traffic situations.

**IN SUCH CASES, ACTIVE BRAKE ASSIST MIGHT:**

- Give a warning or brake without reason
- Not give a warning or not brake

Active Brake Assist is only an aid. The driver is responsible for maintaining a sufficiently safe distance to the vehicle in front, vehicle speed and for braking in good time.

- Always pay careful attention to the traffic situation; do not rely on Active Brake Assist alone.
- Be prepared to brake or swerve if necessary.

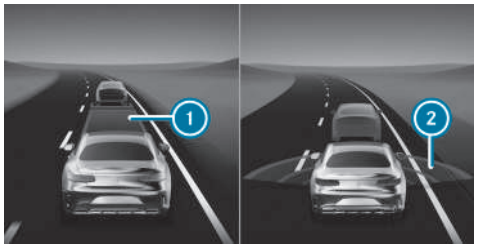
**ACTIVE BRAKE ASSIST CONSISTS OF THE FOLLOWING FUNCTIONS:**

- Collision warning
- Autonomous braking function
- Situation-based brake force boosting
- Sideguard Assist
- **Vehicles with Driving Assistance Package and Active Steering Assist (country-dependent):** Evasive Steering Assist

- **Vehicles with Driving Assistance Package:** Intersection start-off function

Active Brake Assist can help you to minimize the risk of a collision with vehicles, cyclists or pedestrians or to reduce the effects of such a collision.

If Active Brake Assist has detected a risk of collision, a warning tone sounds and the distance warning lamp [⚠] lights up.




Notification on the driver display in the Assistance menu

(1) Distance insufficient
(2) Red radar waves

In the Assistance menu, an insufficient distance to the vehicle in front (1) is displayed in red. If you continue to reduce the distance, the vehicle in front is also highlighted in red. When the system detects a risk of collision, red radar waves (2) appear in front of your vehicle.

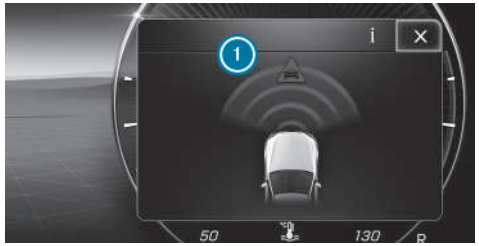
ⓘ **Vehicles with PRE-SAFE®:** depending on the respective country of use, an additional haptic warning is given in the form of gentle, repeated seat belt tensioning on the driver's side.

ⓘ **Vehicles with active ambient lighting:** If Warning Support is switched on, the warning by Active Brake Assist is reinforced via ambient lighting (⟶ page 278).

If you do not react to the warning, autonomous braking can be initiated in critical situations.

In particularly critical situations, Active Brake Assist can also initiate autonomous braking directly. In this case, the warning tone and the distance warning lamp [⚠] are activated simultaneously with the braking action.

If you apply the brakes yourself in a critical situation or apply the brakes during autonomous braking, situation-based brake force boosting is implemented. The brake pressure increases up to maximum full-stop braking if necessary.




(1) If autonomous braking or situation-based brake force boosting is implemented, the pop-up appears in the driver display and then automatically disappears after a short time.

If the autonomous braking function or the situation-based brake force boosting is triggered, additional preventive measures for occupant protection by PRE-SAFE® may also be initiated.

If Active Brake Assist is deactivated or the range of functions is restricted, e.g. due to activation of another driving system, the Active Brake Assist warning lamp [OFF] appears in the driver display.

If the system is unavailable due to soiled or damaged sensors or a malfunction, or if the range of functions is restricted, the Active Brake Assist warning lamp appears on the driver display.

Observe also the system limits of Active Brake Assist.

The individual subfunctions are available in the following speed ranges.

**COLLISION WARNING**
The collision warning function can assist you in the following situations from approximately 4 mph (7 km/h), with an intermittent warning tone and the distance warning lamp .

**VEHICLES WITHOUT DRIVING ASSISTANCE PACKAGE:**

- at speeds up to approximately 155 mph (250 km/h) when approaching moving vehicles ahead
- at speeds up to approximately 50 mph (80 km/h) when approaching stationary vehicles, pedestrians walking along the road and moving cyclists ahead
- at speeds up to approximately 43 mph (70 km/h) when approaching crossing pedestrians and cyclists
- at speeds up to approximately 37 mph (60 km/h) when approaching stationary pedestrians and cyclists

**VEHICLES WITH DRIVING ASSISTANCE PACKAGE:**

- at speeds up to approximately 155 mph (250 km/h) when approaching moving vehicles ahead
- at speeds up to approximately 75 mph (120 km/h) when approaching crossing vehicles, pedestrians and cyclists
- at speeds up to approximately 62 mph (100 km/h) when approaching stationary vehicles
- at speeds up to approximately 50 mph (80 km/h) when approaching moving cyclists ahead
- at speeds up to approximately 43 mph (70 km/h) when approaching stationary pedestrians and cyclists

**AUTONOMOUS BRAKING FUNCTION**
From a speed of approximately 4 mph (7 km/h), the autonomous braking function can intervene in the following situations.

**VEHICLES WITHOUT DRIVING ASSISTANCE PACKAGE:**

- at speeds up to approximately 155 mph (250 km/h) when approaching moving vehicles ahead
- at speeds up to approximately 50 mph (80 km/h) when approaching moving cyclists ahead, pedestrians walking along the road and stationary vehicles
- at speeds up to approximately 43 mph (70 km/h) when approaching crossing pedestrians and cyclists

**VEHICLES WITH DRIVING ASSISTANCE PACKAGE:**

- at speeds up to approximately 155 mph (250 km/h) when approaching moving vehicles ahead
- at speeds up to approximately 75 mph (120 km/h) when approaching crossing vehicles, pedestrians and cyclists
- at speeds up to approximately 62 mph (100 km/h) when approaching stationary vehicles
- at speeds up to approximately 50 mph (80 km/h) when approaching moving cyclists ahead
- at speeds up to approximately 43 mph (70 km/h) when approaching stationary pedestrians and cyclists

**SITUATION-BASED BRAKE FORCE BOOSTING**

From a speed of approximately 4 mph (7 km/h), situation-based brake force boosting can intervene in the following situations.

**VEHICLES WITHOUT DRIVING ASSISTANCE PACKAGE:**

- at speeds up to approximately 155 mph (250 km/h) when approaching moving vehicles ahead
- at speeds up to approximately 50 mph (80 km/h) when approaching moving cyclists ahead, pedestrians walking along the road and stationary vehicles
- at speeds up to approximately 43 mph (70 km/h) when approaching crossing pedestrians and cyclists
- at speeds up to approximately 37 mph (60 km/h) when approaching stationary pedestrians and cyclists

**VEHICLES WITH DRIVING ASSISTANCE PACKAGE:**

- at speeds up to approximately 155 mph (250 km/h) when approaching moving vehicles ahead
- at speeds up to approximately 75 mph (120 km/h) when approaching crossing vehicles, pedestrians and cyclists
- at speeds up to approximately 62 mph (100 km/h) when approaching stationary vehicles
- at speeds up to approximately 50 mph (80 km/h) when approaching moving cyclists ahead
- at speeds up to approximately 43 mph (70 km/h) when approaching stationary pedestrians and cyclists

**CANCELING A BRAKING INTERVENTION BY ACTIVE BRAKE ASSIST**

**YOU CAN CANCEL A BRAKING INTERVENTION OF ACTIVE BRAKE ASSIST AT ANY TIME BY:**

- Fully depressing the accelerator pedal or with kickdown
- Releasing the brake pedal

**ACTIVE BRAKE ASSIST MAY CANCEL THE BRAKING INTERVENTION WHEN ONE OF THE FOLLOWING CONDITIONS IS FULFILLED:**

- You steer to avoid an obstacle.
- There is no longer a risk of collision.
- An obstacle is no longer detected in front of your vehicle.

**REACTION TO ONCOMING ROAD USERS (VEHICLES WITH DRIVING ASSISTANCE PACKAGE ONLY)**

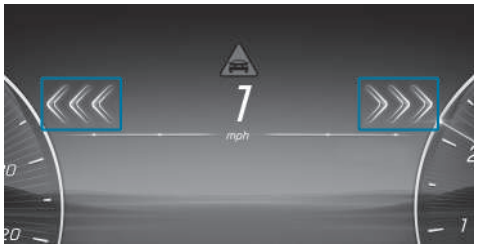
**ACTIVE BRAKE ASSIST CAN ALSO REACT TO DETECTED ONCOMING ROAD USERS:**

- Reaction up to a speed of approximately 62 mph (100 km/h)
- Warning of oncoming road users through the warning tone and the distance warning lamp 
- Autonomous braking intervention in order to reduce the severity of an accident

**TURNING MANEUVER FUNCTION**

If the system detects a risk of collision with oncoming road users when you turn off across a lane traveling in the opposite direction at speeds up to approximately 12 mph (20 km/h), autonomous braking can be initiated.

## INTERSECTION START-OFF FUNCTION (VEHICLES WITH DRIVING ASSISTANCE PACKAGE ONLY)




If a risk of collision with crossing traffic is detected when moving off or traveling at walking pace, three red arrows light up consecutively on the driver display in the direction of the crossing road user, together with the distance warning lamp . If the situation is particularly critical, the arrows begin to flash. A warning tone will also sound. If you do not react to the warning, acceleration can be restricted or autonomous braking can be initiated in critical situations. Autonomous braking can also prevent you from moving off and keep the vehicle stationary. In particularly critical situations, Active Brake Assist can also initiate autonomous braking directly. In this case, the distance warning lamp and the warning tone are activated simultaneously with the braking action.

If autonomous braking or situation-based brake force boosting is implemented, a pop-up appears on the driver display and automatically disappears after a short time.

If Active Brake Assist is set to Late , the visual only warning stage and restriction of potential acceleration are deactivated. If the situation is particularly critical, a visual warning can still be initiated, a warning tone issued and autonomous braking implemented.

## EVASIVE STEERING ASSIST

**WARNING**
Risk of accident despite Evasive Steering Assist

Evasive Steering Assist cannot always recognize objects or complex traffic situations clearly.

Moreover, the steering support provided by Evasive Steering Assist is not sufficient to avoid a collision.

- Always pay careful attention to the traffic situation; do not rely on Evasive Steering Assist alone.
- Be prepared to brake or swerve if necessary.
- End the support by actively steering in non-critical situations.
- Drive at an appropriate speed if there are pedestrians close to the path of your vehicle.

## EVASIVE STEERING ASSIST INCLUDES THE FOLLOWING FEATURES:

- Detection of pedestrians, cyclists and vehicles
- Additional steering assistance as support upon detection of an evasive maneuver
- Activation via abrupt steering movement during an evasive maneuver
- Assistance during evasive action and subsequent straightening of the vehicle
- Reaction from a speed of approximately 12 mph (20 km/h) up to a speed of approximately 68 mph (110 km/h)

The steering support from Evasive Steering Assist can be canceled at any time by countersteering.

**SYSTEM LIMITS**

Full system performance remains unavailable for a short time after switching on the vehicle or after driving off. As long as the range of functions remains restricted, the Active Brake Assist warning lamp can also be shown on the driver display. Depending on the environmental conditions, it may take a few minutes before full system performance is available.

**THE SYSTEM MAY BE IMPAIRED OR MAY NOT FUNCTION IN THE FOLLOWING SITUATIONS IN PARTICULAR:**

- In snow, rain, fog, heavy spray, glare, in direct sunlight or in varying light conditions
- If the sensors are dirty, fogged up, damaged or covered (→ page 391).
- If the sensors are impaired due to interference from other radar sources, e.g. strong radar reflections in parking garages
- If a loss of tire pressure or a defective tire has been detected and displayed
- In complex traffic situations where objects cannot always be clearly identified
- If pedestrians, cyclists or vehicles move quickly into the sensor detection range
- If road users are hidden by other objects or are located close to other objects
- If the typical outline of a pedestrian or cyclist cannot be distinguished from the background
- If a pedestrian or cyclist is not detected as such, e.g. due to special clothing or other objects
- If the driver's seat belt is not fastened
- On bends with a tight radius

You can watch an animation on this topic via the following link:

**SETTING ACTIVE BRAKE ASSIST**

**Requirements:**

- The vehicle is switched on.

Multimedia system:

Settings » Assistance » Collision Avoidance

▶ Activate or deactivate the function.

ⓘ Availability of the function is dependent on the respective country.

ⓘ It is recommended that you always leave Active Brake Assist activated.

When switching off the Active Brake Assist, the distance warning function, the collision warning, the autonomous braking function and the Active Evasive Steering Assist are switched off.

ⓘ If Active Brake Assist is deactivated, the OFF symbol appears on the status bar of the driver display. Depending on the country and vehicle's equipment, the system will be switched back on when the vehicle is next started.

ⓘ The setting after starting the vehicle depends on the country.

**SETTING WARNING TIMING**

- Select ⚙ alongside Active Brake Assist.
- Select Early, Medium or Late.

# Traffic Sign Assist

**FUNCTION OF TRAFFIC SIGN ASSIST**

ⓘ This function can be a Digital Extra (⟶ page 107).

Traffic Sign Assist detects traffic signs with the multifunction camera and compares them with information from the digital road map of the navigation system. It supports you by showing detected speed limits and no-overtaking zones on the driver display.

Speed limits can also be shown on the head-up display.

The system can issue a warning when you exceed the maximum permissible speed.

In some countries, the system can provide you with additional functions and can warn you when you are approaching pedestrian crossings or when you are about to drive past stop signs or red traffic lights unintentionally.

The camera also detects and evaluates traffic signs with a restriction indicated by an additional sign (e.g.in wet conditions).

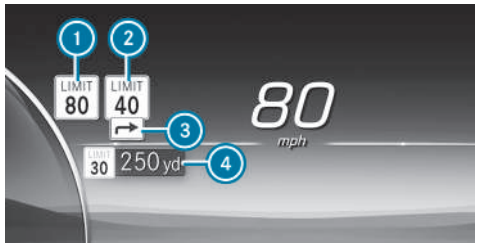
Traffic Sign Assist only shows selected signs on the driver display. Actual traffic signs and speed limits are always prioritized over traffic signs and speed limits shown on the driver display.

**THE FOLLOWING SHOULD ALSO BE OBSERVED WHEN USING TRAFFIC SIGN ASSIST:**

- Select a speed suitable for the traffic, surroundings and weather conditions.
- Observe actual traffic signs.
- Observe applicable traffic rules and regulations.

Observe the notes on driving systems and your responsibility; otherwise you may fail to recognize potential dangers (⟶ page 391).

**NOTIFICATIONS ON THE DRIVER DISPLAY**




Example

1. Permissible speed
2. Permissible speed when there is a restriction
3. Additional sign with restriction
4. Speed limits up ahead

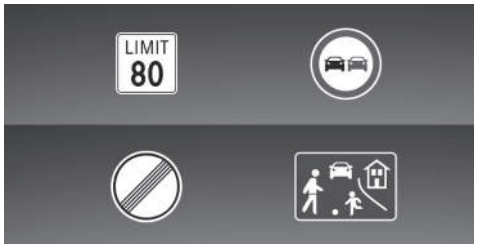
Speed limits are always shown as a priority over other traffic signs, such as no-overtaking zones, forexample. The head-up display can only show a maximum of one traffic sign with a speed limit. If two speed signs are shown on the driver display, forexample when speed limits are detected, the value of the left-hand speed restriction 1 is always transmitted to cruise control

or to Active Distance Assist DISTRONIC for acceptance and is shown on the head-up display.

Important information from other systems can cause traffic signs to be hidden for a short time.

**DEPENDING ON THE RESPECTIVE COUNTRY OF USE, TRAFFIC SIGN ASSIST CAN DETECT AND DISPLAY THE FOLLOWING TRAFFIC SIGNS, FOR EXAMPLE:**

- speed limits
- end of the speed limit
- overtaking restrictions
- residential streets
- recommended speeds




Detected traffic signs (examples)

**TRAFFIC SIGN ASSIST CAN ALSO DETECT THE FOLLOWING ADDITIONAL SIGNS (3), FOR EXAMPLE, AND EVALUATE THE RELEVANCE OF THE RESTRICTIONS WHERE NECESSARY USING AUXILIARY VEHICLE SENSORS:**

- wet conditions
- slippery road surfaces
- fog
- temporary restrictions
- exits

Traffic Sign Assist also uses data from the digital road map of the navigation system. When you leave or enter a municipality or change roads, on a freeway exit or slip road forexample, or after you turn at a intersection, this means that the screen on the driver display can be updated without a traffic sign having been detected.

ⓘ Regularly update the digital road map of the navigation system to ensure optimum functioning of Traffic Sign Assist (⟶ page 45).

Depending on the respective vehicle equipment and country of use, the system may also display upcoming speed restrictions on the driver display and head-up display. The driver display may also show the distance to an upcoming lower speed limit. Information from the digital road map of the navigation system is used for this purpose. The Assistance menu can also display a dynamic visualization of the speed limits ahead.

If Traffic Sign Assist cannot determine the current maximum permissible speed, e.g.due to a lack of signage, the indicator appears on the driver display.

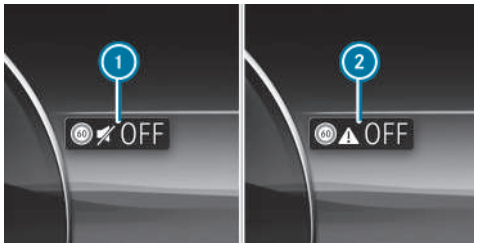
Traffic Sign Assist is not available in all countries. This indicator is shown permanently in the vehicle when traveling in countries which do not support Traffic Sign Assist.

If the system is temporarily or permanently unavailable due to a technical malfunction or because the windshield is dirty, a corresponding display message appears on the driver display. The Traffic Sign Assist warning lamp also lights up on the driver display in certain countries.

Observe also the information on display messages from Traffic Sign Assist (→ page 836).

**WARNING WHEN THE MAXIMUM PERMISSIBLE SPEED IS EXCEEDED**

The system can warn you if you are about to exceed the maximum permissible speed. Depending on the respective country of use, you can set the extent to which the maximum permissible speed may be exceeded in the multimedia system before a warning is issued. You can switch off the warning, or in the settings you can select whether the warning should be issued visually, with the traffic sign flashing on the driver display or as a combination of a visual and audible warning. Selection of the type of warning is confirmed via an indicator on the driver display, depending on the respective country of use.




Example

1. Visual warning only
2. Warning off

The type, duration and deployment stages of the speed warning, as well as the option to set the timing of the deployment stages from which the warning is issued, are subject to legislation valid for the respective country in which the vehicle is delivered.

**ADDITIONAL WARNING FUNCTIONS**

**Warning for no-entry signs:** Traffic Sign Assist can warn you if you drive down a section of road in the wrong direction of travel, forexample, on freeway slip roads or one-way streets.

**Warning at pedestrian crossings:** if you approach pedestrian crossings, provided that pedestrians are in the danger zone or are moving towards it, Traffic Sign Assist can warn you up to a speed of approximately 44 mph (70 km/h).

**Warning at stop signs:** Traffic Sign Assist can warn you up to a speed of approximately 44 mph (70 km/h) if you are about to drive past a stop sign unintentionally. In this case, the sign must be unambiguous, forexample, if the system detects more than one stop sign, or if a stop sign is confirmed using the digital navigation map. No warning can be issued if several different signs are detected.

**Warning at red traffic lights:** Traffic Sign Assist can warn you up to a speed of approximately 44 mph (70 km/h) if you are about to drive through a red traffic light unintentionally.

**THE FOLLOWING CONDITIONS MUST BE FULFILLED:**

- Several traffic lights are being detected.
- All traffic lights detected are red.
- At least one of the red traffic lights detected is on the front passenger side alongside the vehicle's lane.
- The traffic lights are in the following sequence (from top to bottom): red, yellow, green.

Where available, you can turn the warnings on and off in the Traffic Sign Assist menu under Further Warnings(→ page 433).

## SYSTEM LIMITS

**THE SYSTEM MAY BE IMPAIRED OR INOPERATIVE IN THE FOLLOWING SITUATIONS IN PARTICULAR:**

- If visibility is poor, e.g.due to insufficient illumination of the road, highly variable shade conditions, rain, snow, fog, swirling dust or heavy spray.
- If there is glare, e.g.from oncoming traffic, direct sunlight or reflections
- If there is soiling on the windshield in the vicinity of the multifunction camera, or if the camera is fogged up, damaged or obscured.
- If the traffic signs are difficult to see because, forexample, they are dirty, obscured, faded, iced over, damaged, inconveniently positioned, insufficiently illuminated or askew.
- Active traffic signs with LED displays may not be detected correctly, or even at all, due to technical factors suchas transmission frequency.
- If the information on the navigation system's digital road map is incorrect, incomplete or out of date.
- If the signs, road markings or road layout are ambiguous, e.g.traffic signs at roadworks, at exits and slip roads, adjacent lanes or parallel roads, and pedestrian crossing markings at traffic lights.
- If the signage or road markings are different to those encountered as standard
- If the signage, road markings or road layout are country-specific and deviate from the navigation system's route guidance, e.g.at or after roadworks
- After sharp turns and in tight bends, if traffic signs are outside the camera's field of vision.
- If you overtake vehicles with traffic signs affixed or attached to them.

## SETTING TRAFFIC SIGN ASSIST

Multimedia system:

Settings » Assistance » Assistance » Traffic Sign Assist

### ACTIVATING/DEACTIVATING THE SPEED LIMIT WARNING

► Switch off Speed Limit Warning.

The speed limit warning will remain off according to country-specific legislation until the next time the vehicle is switched on or off and the driver's door is opened.

### CHANGE THE TYPE OF SPEED LIMIT WARNING

► Change the warning to Visual only or Visual and audible.

### SETTING THE WARNING THRESHOLD

This value determines the speed above which a warning will be issued.

► Set the desired speed under Warning Threshold.

### ACTIVATING/DEACTIVATING ADDITIONAL FUNCTIONS OF TRAFFIC SIGN ASSIST

► Activate or deactivate Further Warnings.

The available functions will be switched on or off.

### SET THE TYPE OF WARNING FOR OTHER FUNCTIONS

► Select Visual only or Visual and audible.

# Blind Spot Assist and Active Blind Spot Assist

## FUNCTION OF BLIND SPOT ASSIST AND ACTIVE BLIND SPOT ASSIST WITH EXIT WARNING

**WARNING**
Risk of accident despite Blind Spot Assist

Blind Spot Assist does not react to vehicles approaching and overtaking you at a greatly different speed.

Blind Spot Assist cannot warn drivers in this situation.

► Always pay careful attention to the traffic situation and maintain a safe distance at the side of the vehicle.

**WARNING**
Risk of accident despite Active Blind Spot Assist

**ACTIVE BLIND SPOT ASSIST DOES NOT REACT TO THE FOLLOWING:**

- if you overtake a vehicle too closely so that it is in the blind spot area
- if vehicles traveling at a much faster speed approach and then overtake

Active Blind Spot Assist may not give warnings or intervene in such situations.

► Always pay careful attention to the traffic situation and maintain a safe distance at the side of the vehicle.

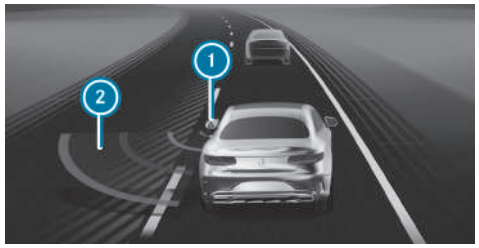
Blind Spot Assist and Active Blind Spot Assist use radar sensors to monitor the area up to 130 ft (40 m) behind and 10 ft (3 m) alongside your vehicle.

The systems can detect vehicles traveling from speeds of approximately 8 mph (12 km/h) and issue a warning if they move into the monitoring range. They are only an aid and are not a substitute for driver attention.

## STATUS INDICATORS ON THE DRIVER DISPLAY

**Gray:** The system is activated but inoperative.

**Green:** The system is activated and operational.




Notifications on the driver display in the Assistance menu

1 Warning lamp in the exterior mirror
2 Red radar waves

If a vehicle is detected at speeds above approximately 8 mph (12 km/h) and this vehicle enters the warning range immediately afterwards, the warning lamp in the corresponding outside mirror lights up red. In the Assistance menu, the lamp in exterior mirror 1 also lights up in red and the lane in which the vehicle is detected is hatched out.

If a vehicle is detected in the monitoring range and you activate the turn signal indicators in the corresponding direction, a double warning tone sounds once and the warning lamp flashes red in the corresponding outside mirror. Red radar waves 2 are displayed next to your vehicle in the assistance graphic.

If the turn indicator remains on, the display in the exterior mirror flashes for all other detected vehicles, but no further warning tone sounds. If you overtake a vehicle quickly, no warning is given.

ⓘ **Vehicles with active ambient lighting:** if Warning Support is switched on, the warning is reinforced by the ambient lighting (⟶ page 278).

Observe the notes on driving systems and your responsibility; you may otherwise fail to recognize potential dangers (⟶ page 391).

**EXIT WARNING**

⚠ **WARNING**
Risk of accident despite exit warning

The exit warning neither reacts to stationary objects nor to persons or road users approaching you at a greatly differing speed.

The exit warning cannot warn drivers in these situations.

► Always pay particular attention to the traffic situation when opening the doors and make sure there is sufficient clearance.

The exit warning is an additional function of Blind Spot Assist and Active Blind Spot Assist and can warn vehicle occupants attempting to leave a stationary vehicle about approaching vehicles.

If a vehicle is detected in the monitored range, the red warning lamp lights up in the corresponding exterior mirror.

If a vehicle occupant pulls the door handle on the side of the warning, a warning tone sounds twice and the ambient lighting in the respective door and the warning lamps in the corresponding outside mirror flash red.

**Vehicles with MBUX Interior Assistant:** the visual warning begins as soon as the hand of a vehicle occupant moves into the area of the door.

ⓘ **Vehicles with ambient lighting or active ambient lighting:** the Warning Support of the ambient lighting can be activated and deactivated (⟶ page 278).

ⓘ The warning assistance can differ depending on the equipment and may vary according to the setting.

The exit warning is only available when Blind Spot Assist or Active Blind Spot Assist is active.

After the vehicle is switched off, the exit warning continues to function for a few minutes. If a door is opened when the vehicle is switched off, the exit warning is active again for a few minutes. When the outside mirror warning lamp flashes three times, the exit warning is no longer available.

The exit warning is only an aid and not a substitute for the attention of vehicle occupants. The responsibility for opening the doors and exiting the vehicle remains with the vehicle occupants at all times.

**SYSTEM LIMITS**

**BLIND SPOT ASSIST AND ACTIVE BLIND SPOT ASSIST MAY BE LIMITED IN THE FOLLOWING SITUATIONS, IN PARTICULAR:**

- If there is dirt on the sensors or the sensors are obscured
- In poor visibility, e.g.owing to fog, heavy rain or snow
- If there are narrow vehicles, e.g.bicycles or motorcycles
- If the road has very wide or narrow lanes
- If vehicles are not driving in the center of their lane

Warnings may be issued in error when driving close to crash barriers or similar structural borders. Always make sure that there is sufficient distance to the side for other traffic or obstacles.

Warnings may be interrupted when driving alongside long vehicles, e.g.trucks, for a prolonged period.

Blind Spot Assist and Active Blind Spot Assist are not operational when reverse gear is engaged.

**ADDITIONALLY, THE EXIT WARNING MAY BE LIMITED IN THE FOLLOWING SITUATIONS:**

- when the sensors are shaded by adjacent vehicles in narrow parking spaces
- when people approach the vehicle
- in the event of stationary or slowly moving objects

You can watch an animation on this topic via the following link:

**BRAKE APPLICATION FUNCTION IN ACTIVE BLIND SPOT ASSIST**

ⓘ The brake application function is only available for vehicles with Driving Assistance Package.

If Active Blind Spot Assist detects a risk of a side impact in the monitored range, a course-correcting brake application is carried out. Course-correcting brake application helps in this case to avoid collision with another vehicle.

The course-correcting brake application is available to you from a speed of approx. 20 mph (30 km/h) - 37 mph (60 km/h) (depending on the country) up to a speed of approx. 125 mph (200 km/h).

⚠ **WARNING**
Risk of accident despite brake application of Active Blind Spot Assist

A course-correcting brake application cannot always prevent a collision.

► Always steer, brake or accelerate yourself, especially if Active Blind Spot Assist warns you or makes a course-correcting brake application.

► Always maintain a safe distance at the sides.

⚠ **WARNING**
Risk of accident despite Active Blind Spot Assist

**ACTIVE BLIND SPOT ASSIST DOES NOT REACT IN THE FOLLOWING SITUATIONS:**

- If you overtake vehicles at a high speed.
- If vehicles approach and overtake you at a greatly different speed.

Active Blind Spot Assist may not give warnings or intervene in such situations.

► Always pay careful attention to the traffic situation and maintain a safe distance at the side of the vehicle.




If a course-correcting brake application occurs, the red warning lamp flashes in the outside mirror and a warning tone sounds. In addition, a display (1) indicating the danger of a side collision appears on the driver display.

In rare cases, the system may make an inappropriate brake application. This brake application may be interrupted at any time if you steer slightly in the opposite direction or accelerate.

**SYSTEM LIMITS**

Note the system limitations of Active Blind Spot Assist; you may otherwise not recognize the dangers (⟶ page 434).

**EITHER A COURSE-CORRECTING BRAKE APPLICATION WHICH IS NOT APPROPRIATE TO THE DRIVING SITUATION, OR NONE AT ALL, MAY OCCUR IN THE FOLLOWING SITUATIONS IN PARTICULAR:**

- Vehicles or obstacles, e.g.crash barriers, are located on both sides of your vehicle.
- An approaching vehicle leaves too little lateral distance between you.
- You have adopted a sporty driving style with high cornering speeds.
- You brake or accelerate significantly.
- A driving safety system intervenes, e.g.ESP® or Active Brake Assist.
- ESP® is deactivated.
- A loss of tire pressure or a defective tire is detected.

**SWITCHING BLIND SPOT ASSIST OR ACTIVE BLIND SPOT ASSIST ON OR OFF**

Multimedia system:

Settings » Assistance » Collision Avoidance

▶ Activate or deactivate Active Blind Spot Assist.

## Active Lane Keeping Assist

**FUNCTION OF ACTIVE LANE KEEPING ASSIST**

Active Lane Keeping Assist monitors the area in front of your vehicle using the multifunction camera (⟶ page 391).

It can protect you against unintentionally departing your lane. The system can guide you back into your lane with a course-correcting steering intervention, and warn you with tangible steering wheel feedback.

Active Lane Keeping Assist is available in the speed range between 37 mph (60 km/h) and 124 mph (200 km/h).

**THE SYSTEM CAN INTERVENE IF THE FOLLOWING CONDITIONS ARE MET:**

- Active Lane Keeping Assist detects a lane marking.
- You touch this lane marking with one of your front wheels.

If you activate the turn signal indicators, there is no steering intervention on that side.

There is no steering intervention if you leave your lane without activating the turn signal indicators, but there is a risk of collision with a moving obstacle in your own lane.

**Vehicles with Blind Spot Assist or Driving Assistance Package:** if the system detects an obstacle, e.g.another vehicle, in the adjacent lane, there is steering intervention despite the direction indicators.




**IN THE FOLLOWING CASES THE WARNING (1) APPEARS ON THE DRIVER DISPLAY AND A WARNING TONE SOUNDS:**

- A steering intervention by Active Lane Keeping Assist lasts more than approximately ten seconds.
- There are two or more steering interventions by the systems within approximately three minutes, without steering intervention by the driver.

You can set the sensitivity of the system in the Active Lane Keeping Assist settings in order to determine the level of assistance. You can also determine whether the system is to react to broken lane markings, or only to continuous lane markings (⟶ page 439).

If ATTENTION ASSIST has detected signs of drowsiness or microsleep, the most sensitive setting is automatically selected (⟶ page 401).

**STATUS DISPLAYS OF ACTIVE LANE KEEPING ASSIST**

**White:** Active Lane Keeping Assist is switched off.

If ESP® is switched off or a tire pressure loss warning is indicated, Active Lane Keeping Assist is automatically switched off.

**Yellow:** There is a malfunction. Also note any display messages.

**Gray:** Active Lane Keeping Assist is switched on but not ready.

**Green:** Active Lane Keeping Assist is switched on and ready. If the system is only ready on one side, only the lane marking on that side is shown in green.

**Red:** Active Lane Keeping Assist has guided you back into your lane by a course-correcting steering intervention. If a tangible warning is also given in the steering wheel, the status display flashes. The lane marking of the relevant side is shown in red.

**Vehicles without Driving Assistance Package:** if both lane markings are shown in red on the status display at the same time, Active Lane Keeping Assist has initiated an emergency stop (⟶ page 417).



Notification on the driver display in the Assistance menu

If one of your front wheels moves onto a detected lane marking, this is highlighted in red in the Assistance menu of the driver display.

ⓘ **Vehicles with active ambient lighting:** if Warning Support is switched on, the warning by Active Lane Keeping Assist is reinforced by the ambient lighting (⟶ page 278).

Depending on the respective equipment, different operational acknowledgment effects and warning assistance effects are available.

**SYSTEM LIMITS**

**IN THE FOLLOWING SITUATIONS, THERE MAY BE NO COURSE-CORRECTING STEERING INTERVENTION, BUT A WARNING MAY BE GIVEN IN THE STEERING WHEEL DEPENDING ON THE SITUATION:**

- if you clearly and actively steer, brake or accelerate.
- if a driving safety system is intervening, e.g.ESP® or Active Brake Assist.
- if you have adopted a sporty driving style with high cornering speeds or high rates of acceleration.

**THE SYSTEM MAY BE IMPAIRED OR INOPERATIVE IN THE FOLLOWING SITUATIONS IN PARTICULAR:**

- if there is poor visibility, e.g.due to insufficient illumination of the road, highly variable shade conditions, rain, snow, fog or heavy spray
- if there is glare, e.g.from oncoming traffic, direct sunlight or reflections
- if there is soiling on the windshield in the vicinity of the multifunction camera, or if the camera is fogged up, damaged or obscured
- if the bumper is soiled in the area of the radar sensors, or if these are damaged or obscured
- if there are no lane markings or several unclear lane markings for one lane, e.g.around roadworks
- if the lane markings are worn, dark or covered
- if the distance to the vehicle in front is insufficient and therefore the lane markings cannot be detected
- if the lane markings change quickly, e.g.lanes branch off, cross one another or merge
- if the lanes are very narrow and winding

Observe the notes on driving systems and your responsibility; otherwise you may fail to recognize potential dangers (⟶ page 391).

**ACTIVATING/DEACTIVATING ACTIVE LANE KEEPING ASSIST**

Multimedia system:

Settings » Assistance » Collision Avoidance » Active Lane Keeping Assist

- ▶ Activate or deactivate the function.

Alternatively, Active Lane Keeping Assist can be activated and deactivated via quick-access.

ⓘ The setting after starting the vehicle depends on the country.

**SETTING ACTIVE LANE KEEPING ASSIST**

Multimedia system:

Settings » Assistance » Collision Avoidance » Active Lane Keeping Assist

**SETTING THE SENSITIVITY**

- ▶ Select ⚙.
- ▶ Select Early, Med. or Late.

The last setting selected will be applied the next time the vehicle is started.

ⓘ The standard setting of this function is country-dependent.

**ACTIVATING/DEACTIVATING ASSISTANCE WHEN LANE MARKINGS ARE INTERRUPTED**

► Select Advanced Support.

The last setting selected will be applied the next time the vehicle is started.

ⓘ The standard setting of this function is country-dependent.

ⓘ This function must be activated for vehicles without Driving Assistance Package for Emergency Stop Assist to be available in full measure.
Further information on Emergency Stop Assist (⟶ page 417).

# AIRMATIC

**FUNCTION OF AIRMATIC**

AIRMATIC is an air suspension system with variable damping for improved driving comfort. The all-round level control system ensures the best possible suspension and a consistent level of ground clearance, even with a loaded vehicle. When driving at speed, the vehicle is lowered automatically to improve driving safety and reduce energy consumption. You also have the option of manually adjusting the vehicle level.

**AIRMATIC INCLUDES THE FOLLOWING COMPONENTS AND FUNCTIONS:**

- Air suspension with automatic all-round level control
- ADS PLUS (adaptive damping system with constant adjustment of damping characteristics)
- Speed-dependent lowering of the vehicle level
- Raised vehicle level selectable via the multimedia system for increased ground clearance

**SUSPENSION TUNING AND VEHICLE LEVEL PER DRIVE PROGRAM**

**DRIVE PROGRAM [C]:**

- Comfortable suspension tuning
- Adjusts the vehicle to normal level
- From a speed of approx. 75 mph (120 km/h) the vehicle is lowered to low level -1
- Below a speed of approx. 50 mph (80 km/h) the vehicle is raised to normal level

**DRIVE PROGRAM [E]:**

- Comfortable suspension tuning
- The vehicle is set to low level -1

**DRIVE PROGRAM [S]:**

- Firmer suspension tuning
- The vehicle is set to low level -1

**DRIVE PROGRAMS [B], [H] AND [EL] (PLUG-IN HYBRID):**

- Comfortable suspension tuning
- Adjusts the vehicle to normal level
- From a speed of approx. 75 mph (120 km/h) the vehicle is lowered to low level -1
- Below a speed of approx. 50 mph (80 km/h) the vehicle is raised to normal level

## SETTING THE VEHICLE LEVEL (AIRMATIC)

**WARNING**
Risk of accident because vehicle level is too high

Driving characteristics may be impaired.

The vehicle can drift outwards, for example, when steering or cornering.

► Choose a vehicle level which is suited to the driving style and the road surface conditions.

**WARNING**
Risk of becoming trapped due to the vehicle lowering

When lowering the vehicle, other people could become trapped if their limbs are between the vehicle body and the wheels or underneath the vehicle.

► Make sure nobody is underneath the vehicle or in the immediate vicinity of the wheel arches when you lower the vehicle.

**WARNING**
Risk of becoming trapped due to the vehicle lowering

**Vehicles with AIRMATIC or level control:** when you unload luggage or leave the vehicle, the vehicle first rises slightly and then returns to the set level shortly afterwards.

You or anyone else in the vicinity of the wheel arches or the underbody could thus become trapped.

The vehicle can also be lowered after being locked.

► When leaving the vehicle, make sure that nobody is in the vicinity of the wheel arches or the underbody.

**NOTE**
Damage due to vehicle lowering

Parts of the body could be damaged when the vehicle is lowered.

► Make sure that there are no obstacles such as curbs underneath or in the immediate vicinity of the body when the vehicle is being lowered.

**Requirements:**

- The vehicle has been started.
- Off-road level +1: the vehicle is not moving faster than 12 mph (20 km/h).
- If trailer socket is connected (trailer/rear passenger compartment bicycle rack): the vehicle is not moving faster than 19 mph (30 km/h).

Multimedia system:



**RAISING THE VEHICLE**

- Select  .

  The indicator lamp lights up continuously.

  The vehicle is set to off-road level +1.

Your selection is saved. The off-road level set remains stored even after the vehicle has been switched off.

**THE VEHICLE IS LOWERED AGAIN IN THE FOLLOWING SITUATIONS:**

- Off-road level +1: when driving faster than 22 mph (35 km/h).
- If trailer socket is connected (trailer/rear passenger compartment bicycle rack): the vehicle is moving faster than 19 mph (30 km/h).

**LOWERING THE VEHICLE**

- Select  .

  The indicator lamp goes out.

  The vehicle is lowered to normal level.

ⓘ In the Sport and Eco drive program, only normal vehicle level is possible when the trailer socket is connected (trailer/rear passenger compartment bicycle rack).

ⓘ Use normal level in trailer operation. Driving at off-road level is not permitted in trailer operation on public roads.

# AMG RIDE CONTROL

**FUNCTION OF AMG RIDE CONTROL**

AMG RIDE CONTROL is an electronically controlled damping system for improved driving comfort and increased driving safety.

**THE DAMPING IS ADJUSTED INDIVIDUALLY TO EACH WHEEL AND DEPENDS ON THE FOLLOWING FACTORS:**

- driving style, e.g. sporty
- road condition, e.g. undulations
- individual selection of **SPORT**, **SPORT +** or **COMFORT**

The suspension tuning depends on the selected drive program.

In each drive program, you can also select the tuning individually using the AMG steering wheel button (⟶ page 442). After every change of drive program, automatic suspension tuning is active again.

ⓘ When the vehicle is started again, the **COMFORT** setting is activated automatically.

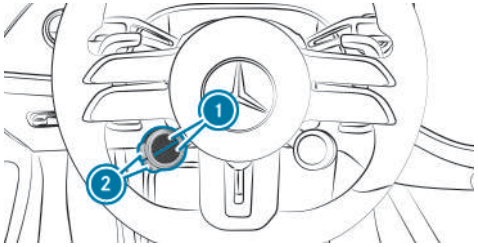
**SELECTING SUSPENSION TUNING WITH THE AMG STEERING WHEEL BUTTON**

ⓘ You can also adjust the suspension setting via the multimedia system (⟶ page 338).

**YOU CAN SELECT FROM THREE DIFFERENT SUSPENSION TUNINGS:**

- **COMFORT** ensures comfortable suspension tuning. Select this suspension setting if you prefer a comfortable driving style.

- **SPORT** ensures firmer suspension setting. Select this suspension tuning when employing a sporty driving style, e.g. on winding country roads.
- **SPORT +** ensures very firm suspension tuning.




► Press the upper or lower (1) display button repeatedly, until it displays the [ ] symbol.

ⓘ If the display button does not show the symbol, then it is hidden. How functions are displayed and the order in which they are displayed can be set in the multimedia system (⟶ page 331).

► Press the corresponding button (2).

The selected suspension tuning is shown on the driver display as a message.

**THE [ ] SYMBOL INDICATES THE CURRENTLY SELECTED MODE:**

- [ ] (blue): COMFORT
- [ ] (yellow): SPORT
- [ ] (red): SPORT +

# RACE START

**INFORMATION ON RACE START**

ⓘ RACE START is only available for Mercedes-AMG vehicles.

ⓘ RACE START is only available for vehicles with the **AMG DYNAMIC PLUS package**.

RACE START enables optimum vehicle acceleration from a standstill. This requires a road surface with suitable grip, and the tires and vehicle must also be in good condition.

ⓘ You can only use RACE START after the vehicle has been run in for approximately 1000 miles (1500 km).

ⓘ RACE START must not be used in normal road traffic. RACE START may only be activated and used on dedicated race circuits, not on public roads.
Read the safety notes and information on ESP® (⟶ page 395).

**WARNING**
Risk of skidding and having an accident from wheels spinning

If you use RACE START, depending on the ESP® mode selected, there is an increased risk of skidding and having an accident.

► Make sure that no persons or obstacles are in the close vicinity of your vehicle.

### ACTIVATING RACE START

**WARNING**
Risk of skidding and having an accident from wheels spinning

If you use RACE START, depending on the ESP® mode selected, there is an increased risk of skidding and having an accident.

► Make sure that no persons or obstacles are in the close vicinity of your vehicle.

**Requirements:**

- The vehicle is switched on and the transmission and the engine are at normal operating temperature. The temperature indicators on the driver display are now represented in white rather than blue.
- The state of charge of the high-voltage battery is sufficient. The remaining electric range is at least 0.6 m (1 km).
- The driver's door is closed.
- All vehicle occupants have their seat belts fastened properly and are seated correctly.
- The front wheels are in the straight-ahead position.
- The vehicle is on level ground.
- The vehicle is stationary, the brake pedal is depressed (left foot) and the parking brake is released.
- The transmission is in position D.
- One of the drive programs S or S+ is selected (→ page 335).

ⓘ RACE START must not be used in normal road traffic. RACE START may only be activated and used on dedicated race circuits, not on public roads.
Read the safety notes and information on ESP® (→ page 395).

► Forcefully depress the accelerator pedal fully.
The engine speed will increase. Pretension is applied to the seat belts on the driver's seat and front passenger seat.
In vehicles with active ambient lighting, a special animation of the ambient light commences.

ⓘ If the activation conditions are not fulfilled, RACE START will not function. The RACE START Canceled message appears on the driver display.

► The RACE START Release Brake to Start message appears on the driver display.

ⓘ If the brake pedal is not released after a short while, RACE START will be canceled. The RACE START Canceled message appears on the driver display.

► Take your foot off the brake, but keep the accelerator pedal depressed.
The vehicle will pull away at maximum acceleration. The RACE START Active message appears on the driver display.

RACE START will be deactivated immediately if you release the accelerator pedal during RACE START or if any of the activation conditions is no longer fulfilled. The RACE START Canceled message appears on the driver display.

ⓘ After being activated several times in short succession, RACE START will be unavailable until a certain distance has been driven.

# 360° camera

**FUNCTION OF THE 360° CAMERA**

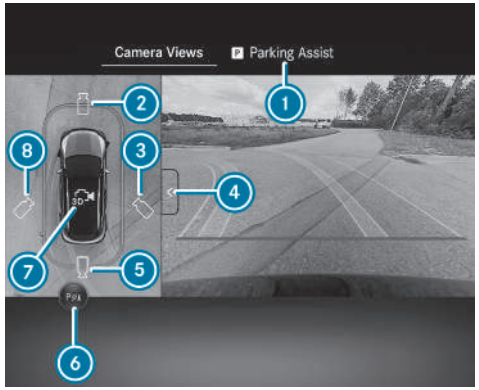
**THE 360° CAMERA IS A SYSTEM CONSISTING OF FOUR CAMERAS:**

- Front camera
- Rear view camera
- Two outside mirror cameras

The cameras record the immediate surroundings of the vehicle and provide assistance, e.g. during parking or at exits which are difficult to see.

The cameras are merely aids and may show a distorted view of obstacles, show them incorrectly or even omit them altogether. They are not a substitute for you paying attention to your surroundings. Responsibility for safe maneuvering and parking remains with you at all times. Ensure that there are no people, animals or objects, etc. in the maneuvering area while maneuvering and parking.

**CAMERA PERSPECTIVES ON THE CENTRAL DISPLAY**



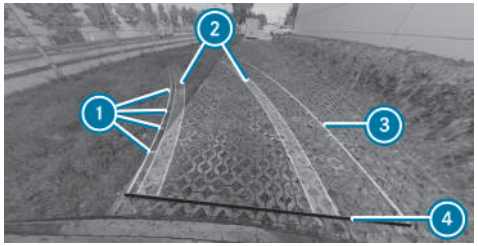

Example

1. Parking Assistance menu
2. Image from the front camera
3. 3D view, right-hand side of the vehicle
4. Switches between standard view and wide-angle view
5. Rear view camera
6. Activates/deactivates Parking Assist PARKTRONIC (⟶ page 452)
7. 3D auto view
8. 3D view, left-hand side of the vehicle

ⓘ The warning display of Parking Assist PARKTRONIC is shown in all views (⟶ page 449).

ⓘ Availability of the 3D view 3, 8 and 3D auto view 7 functions is dependent upon the respective equipment.

## FUNCTION OF THE GUIDE LINES

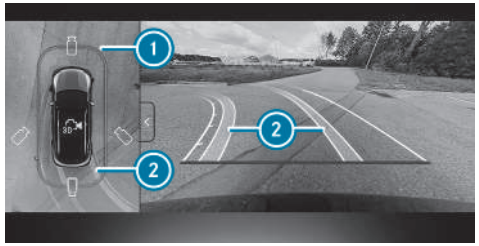



Example

1. Guide lines at a distance of approximately 1.6 ft (0.5 m), 3.3 ft (1.0 m), 5 ft (1.5 m) and 9.9 ft (3.0 m) from the rear passenger compartment area
2. Path indicating the route the wheels will take with the current steering movement (dynamic)
3. Driven surface depending on the current steering movement (dynamic)
4. Guide line at a distance of approximately 1.0 ft (0.3 m) from the rear passenger compartment area

ⓘ When Active Parking Assist is active, paths and guide lines are displayed in green instead of yellow (⟶ page 453).

## TOP VIEW WITH THE IMAGE FROM THE FRONT OR REAR VIEW CAMERA




Example

1. Warning display of Parking Assist PARKTRONIC (⟶ page 449)
2. Path indicating the current steering movement

## 3D VIEW, LEFT/RIGHT-HAND SIDE OF THE VEHICLE

⚠ **WARNING**
Risk of accidents due to objects not being displayed or being displayed in a distorted manner

Due to the projection of the cameras, objects in the 3D views may be strongly distorted or not displayed at all.

► Make sure that there are no persons, animals or objects etc., in the maneuvering area while maneuvering and parking.




Example

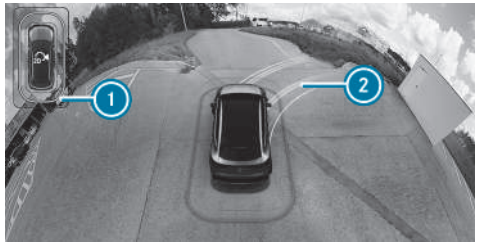
1 Warning display of Parking Assist PARKTRONIC (⟶ page 449)
2 Switches between 3D view and 2D view

The virtual camera moves to the respective side of the vehicle. When you change the transmission position, the view is automatically adapted.

ⓘ The display of the area beneath the vehicle may differ from the actual circumstances.

### 3D AUTO VIEW

ⓘ The area behind the vehicle is **not** displayed as a conventional mirror image in the 3D views.



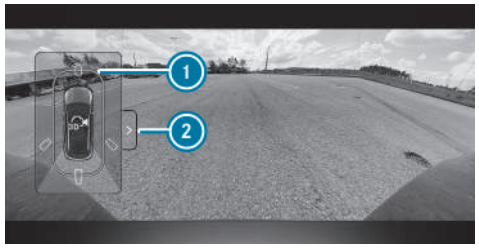

Example

1 Display of Parking Assist PARKTRONIC (⟶ page 449)
2 Guide lines

The virtual camera moves to the standard view, facing forward from the rear passenger compartment above the roof. The view changes automatically when approaching obstacles.

If you touch the touchscreen, the view changes to a 3D view with free rotation. You can turn, tilt and zoom the views by touch.

### WIDE-ANGLE VIEW




Example

1 Display of Parking Assist PARKTRONIC (⟶ page 449)
2 Switches between standard view and wide-angle view

**SYSTEM LIMITS**

If the system is not ready for operation, the message System Inoperative appears on the driver display and/or on the central display.

If a camera perspective is selected and the central display is temporarily black or does not show a camera image, the camera system is also faulty or is not ready for operation.

**WARNING**

Risk of accident due to restrictions in the function of the 360° camera

If the function of the 360° camera is restricted, there is a risk of collision with people or objects.

- ► Do not use the 360° camera in the event of function restrictions.
- ► Make sure that there are no persons, animals or objects etc., in the maneuvering area while maneuvering and parking.

**THE 360° CAMERA WILL NOT FUNCTION, OR WILL ONLY FUNCTION TO A LIMITED EXTENT IN THE FOLLOWING SITUATIONS, FOR EXAMPLE:**

- You are driving forwards at a speed greater than approximately 10 mph (16 km/h).
- The doors are open.
- An outside mirror is not fully extended.
- The trunk lid is open.
- The weather conditions are poor, e.g.:
  - heavy rain, snow, fog, storm or spray.
- The ambient light is poor, e.g.:
  - at night, or if a light is shining into the camera.
- the camera lens is obstructed, dirty or fogged up. Refer to the notes on cleaning the 360° camera (→ page 676).
- if cameras or vehicle components in which the cameras are installed are damaged. In this event, have the cameras, their positions and their setting checked at a qualified specialist workshop.

For technical reasons, the standard height of the vehicle may be altered if the vehicle is carrying a heavy load and this can result in inaccuracies in the guide lines and in the display of generated images.

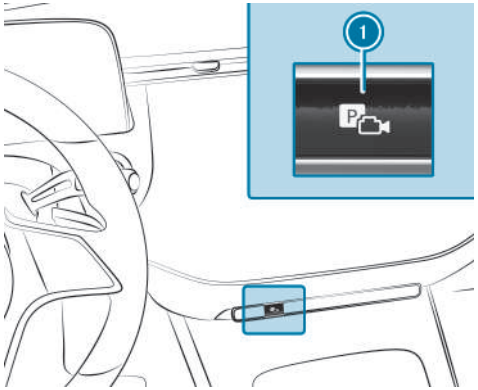
The field of vision and other functions of the camera system may be restricted due to additional vehicle attachments (e.g. license plate bracket or bicycle rack).

ⓘ The display contrast may be impaired by abrupt direct sunlight or other light sources, e.g. when driving out of a garage. Pay particular attention in this case.

ⓘ Have the display repaired or replaced if, forexample, its use is considerably restricted due to pixel errors.

Also observe the information on vehicle sensors and cameras (→ page 391).

### CALLING UP THE 360° CAMERA VIEWS USING THE BUTTON




- Press button (1).
- Select the menu Camera Views .
- Select the desired view in the multimedia system (⟶ page 445).

### SELECTING A VIEW FOR THE 360° CAMERA (REVERSE GEAR)

- Engage reverse gear.
- Select the desired view in the multimedia system (⟶ page 445).

### OPENING THE CAMERA COVER

Multimedia system:

Settings » Assistance » Camera

- Select Open Camera Cover.

ⓘ The camera cover closes automatically after some time or after the vehicle is switched on or off.

# Parking Assist PARKTRONIC

### FUNCTION OF PARKING ASSIST PARKTRONIC

Parking Assist PARKTRONIC is an electronic parking assistance system which monitors the area surrounding your vehicle . The distance between your vehicle and a detected obstacle is displayed visually and acoustically.

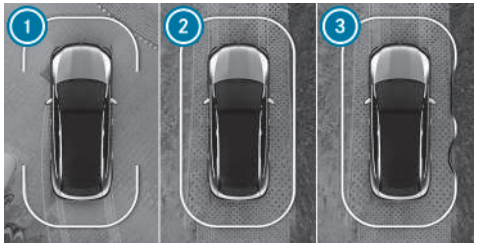
The passive side impact protection also warns you of obstacles to the side. These must be detected beforehand by the sensors in the front or rear bumper while driving by them. If you steer in the direction of a detected obstacle and there is a risk of a lateral collision, a warning is issued.

Passive side impact protection can be activated and deactivated via the multimedia system (⟶ page 452).

In order for front or rear obstacles to the side to be displayed, the vehicle must first travel a distance of at least half a vehicle length. Once the vehicle has traveled a distance of one vehicle length, obstacles on all sides can be shown.

Parking Assist PARKTRONIC serves solely as an aid. It is not a substitute for you having to pay attention to your surroundings. The responsibility for safe maneuvering, parking, and unparking remains with you at all times. Ensure that there are no people, animals or objects etc. in the maneuvering area while maneuvering and parking in/exiting parking spaces.

## DISPLAYS ON THE CENTRAL DISPLAY




Example: vehicles with 360° camera

1 Ready for display at the front and rear
2 Ready for display all around
3 Ready for display all around and obstacles detected

As soon as Parking Assist PARKTRONIC is ready for display, the respective areas 1 to 3 of the display are shown in blue.

**THE COLOR OF THE DISPLAY CHANGES DEPENDING ON THE DISTANCE TO THE DETECTED OBSTACLE:**

- **Blue:** > 3.3 ft (1 m) (no obstacles detected)
- **Yellow:** approx. 3.3 ft (1 m) - 2.3 ft (0.7 m)
- **Orange:** approx. 2.3 ft (0.7 m) - 1.3 ft (0.4 m)
- **Red:** < 1.3 ft (0.4 m)

**Vehicles with 360° camera:** the boundary line shifts dynamically depending on the position and distance of the obstacles detected.

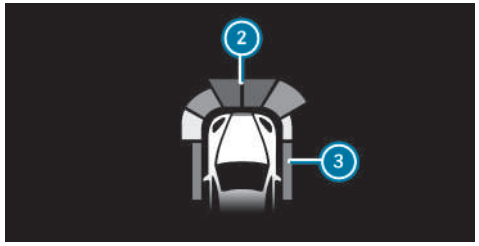
An intermittent warning tone also sounds depending on the distance to the obstacle detected. You can set the timing of the warnings in the multimedia system. In the Warn Early setting, the system warns you from a distance of 3.3 ft (1 m). In the standard setting, from a shorter distance of 1.3 ft (0.4 m).




Example: vehicles with 360° camera

**IF YOU ARE NOT IN THE CAMERA & PARKING MENU AND AN OBSTACLE IN THE VEHICLE'S PATH IS DETECTED, A POP-UP WINDOW 1 APPEARS ON THE CENTRAL DISPLAY IF THE FOLLOWING REQUIREMENTS ARE MET:**

- **Vehicles without Active Parking Assist:** when driving no faster than 8 mph (12 km/h).
- **Vehicles with Active Parking Assist:** when driving no faster than 11 mph (18 km/h).




Notifications in the head-up display (example)

Optionally, obstacles detected by Parking Assist PARKTRONIC from a distance of approximately 3.3 ft (1.0 m) in front (2) and 2.3 ft (0.7 m) at the sides (3) can also be displayed on the head-up display.

**VEHICLES WITH ACTIVE AMBIENT LIGHTING AND PARKING PACKAGE WITH REMOTE PARKING FUNCTIONS**

When Warning Support is activated, the Parking Assist PARKTRONIC display is also accompanied by ambient lighting. If an obstacle is detected, the ambient lighting lights up in the same color as on the central display.

The active ambient lighting which accompanies the Parking Assist PARKTRONIC display is only intended to accentuate the display on the central display, and not to replace it.

More information on ambient lighting: (⟶ page 278)

ⓘ The ambient lighting does not respond in the vicinity of the driver display or behind the rear doors.

ⓘ Depending on the selected setting, other functions may supersede the ambient lighting effects of Parking Assist PARKTRONIC. In this case, the ambient lighting effects of Parking Assist PARKTRONIC do not occur.

**SYSTEM LIMITS**

**PARKING ASSIST PARKTRONIC DOES NOT NECESSARILY TAKE INTO ACCOUNT THE FOLLOWING OBSTACLES:**

- Obstacles below the detection range, e.g.persons, animals or objects
- Obstacles above the detection range, e.g.protruding loads, overhangs, or loading ramps of trucks
- Pedestrians or animals approaching the vehicle from the side
- Objects placed next to the vehicle

**OBSTACLES ON THE SIDES ARE NOT SHOWN IN THE FOLLOWING SITUATIONS, FOR EXAMPLE:**

- You park the vehicle and switch it off.
- You open the doors.

After the vehicle is restarted, obstacles must be detected again by driving past them before a new warning can be issued.

**OBSERVE ALSO THE SYSTEM LIMITS OF THE FOLLOWING SYSTEMS:**

- 360° camera (⟶ page 445)

Observe the information on vehicle sensors and cameras; otherwise the system cannot function properly (⟶ page 391).

**PROBLEMS WITH PARKING ASSIST PARKTRONIC**

If the Parking Assist PARKTRONIC display lights up red for approximately three seconds and then goes out, and the symbol P OFF appears on the driver display, the system may have been deactivated due to signal interference. Start the vehicle again and check whether Parking Assist PARKTRONIC works in a different location.

**IF A WARNING TONE ALSO SOUNDS, THE CAUSES MAY BE AS FOLLOWS:**

- **The sensors are dirty:** clean the sensors (⟶ page 676).
- **Parking Assist PARKTRONIC has been deactivated due to a malfunction:** restart the vehicle. If the problem persists, consult a qualified specialist workshop.

## ACTIVATING/DEACTIVATING PARKING ASSIST PARKTRONIC

**NOTE**
Vehicle damage during parking or maneuvering due to objects at close range

Parking Assist PARKTRONIC may not detect certain objects close to the vehicle.

- When parking or maneuvering, look out in particular for objects that are underneath or above the sensors, e.g. flower pots or drawbars. Otherwise, the vehicle or other objects could be damaged.

**Requirements:**

- The camera menu is open.
- Or: the Parking Assist PARKTRONIC pop-up window is displayed.

- Tap P on the central display.

If the indicator lamp is lit, Parking Assist PARKTRONIC is active. If the indicator lamp does not light up or the symbol P OFF is displayed, Parking Assist PARKTRONIC is not active.

Parking Assist PARKTRONIC is automatically activated when the vehicle is started.

Alternatively, Parking Assist PARKTRONIC can be activated or deactivated in the quick-access menu.

## SETTING THE PARKING ASSIST PARKTRONIC WARNING TONES

Multimedia system:

Settings » Assistance » Parking » PARKTRONIC

### SETTING WARNING TONES

- Select Set Warning Tones.
- Set the desired level under Volume or Tone Pitch.

Availability of the function is dependent on the respective country of use.

### ACTIVATING/DEACTIVATING AUDIO FADEOUT

- Select Audio Fadeout and activate or deactivate Audio Fade for Warnings.

  The volume of the media source currently playing is reduced when a Parking Assist PARKTRONIC warning tone sounds.

or

- Select Audio Fadeout and activate or deactivate Audio Fadeout When in R.

  The volume of the media source currently playing is reduced when reverse gear is engaged.

### SETTING THE WARNING TIME

- Select Time of Warning.
- Set the desired warning time for Front or Rear.
- Activate or deactivate Side Warning.

# Active Parking Assist

## FUNCTION OF ACTIVE PARKING ASSIST

**WARNING**
Risk of accident due to objects located above or below the detection range of Active Parking Assist

**IF THERE ARE OBJECTS ABOVE OR BELOW THE DETECTION RANGE, THE FOLLOWING SITUATIONS MAY ARISE:**

- Active Parking Assist may steer too early.
- The vehicle may not stop in front of these objects.

There is a danger of collision!

► In these situations, do not use Active Parking Assist.

Active Parking Assist is an electronic parking assistance system which uses ultrasound with the assistance of the reversing camera or 360° camera. When you are driving forwards up to approximately 22 mph (35 km/h), the system automatically measures parking spaces on both sides of the vehicle.

Active Parking Assist serves solely as an aid. It is not a substitute for you having to pay attention to your surroundings. The responsibility for safe maneuvering, parking, and unparking remains with you at all times. Ensure that no persons, animals or objects etc. are in the vehicle's path.

Active Parking Assist offers the following functions:

### VEHICLES WITH 360° CAMERA

- Parking in parking spaces along the roadway
- Parking in parking spaces perpendicular to the roadway (either forward or reversing as desired)
- Parking in parking spaces that can only be detected as such from markings (forexample at the roadside)
- Exiting parking spaces if you have parked using Active Parking Assist

The parking space can be selected as desired. The parking direction (forward or reversing) can also be freely selected, depending on the orientation of the parking space.

If Active Parking Assist is available, the notification [P] appears on the driver display. When the system detects parking spaces, the notification [P] appears. The arrows show the side of the road on which free parking spaces are detected. These are then shown on the central display.

When Active Parking Assist is activated, the turn signal indicator is activated based on the calculated path of your vehicle. The parking and unparking procedures are assisted by acceleration, braking, steering and gear changes.

To start the parking procedure, press the button [P] (→ page 454) or go to the navigation view (e.g.when near the destination) and select Active Parking Assist (→ page 508).

### ACTIVE PARKING ASSIST WILL BE CANCELED IN THE FOLLOWING SITUATIONS:

- You press the button [P] again.
- You begin steering.
- You select the park position [P].
- You engage the electric parking brake.
- ESP® intervenes.
- You open the driver's door.

**SYSTEM LIMITS**
If the exterior lighting is malfunctioning, Active Parking Assist is not available.

**OBSERVE ALSO THE SYSTEM LIMITS OF THE FOLLOWING SYSTEMS:**

- 360° camera (⟶ page 445)

Objects above or below the detection range of Active Parking Assist, e.g.protruding loads, overhangs or loading ramps of trucks or parking space boundaries are not detected when measuring the parking space. These are also not subsequently taken into account when calculating the parking procedure. In some circumstances, Active Parking Assist may therefore prematurely guide you into the parking space or brake too late.

Certain environmental conditions, suchas snowfall or heavy rain, may lead to inaccurate measurement of a parking space. Parking spaces that are partially occupied by trailer drawbars might not be identified as such or may be measured incorrectly. Only use Active Parking Assist on level road surfaces with adequate grip.

Active Parking Assist can also display unsuitable parking spaces, e.g.parking spaces in which parking is not permitted or on unsuitable surfaces.

**DO NOT USE ACTIVE PARKING ASSIST IN THE FOLLOWING SITUATIONS, FOR EXAMPLE:**

- in extreme weather conditions, suchas ice, packed snow or in heavy rain.
- when transporting a load that protrudes beyond the vehicle
- if the parking space is on a steep downhill or uphill gradient
- when snow chains are fitted
- directly after a tire change or when spare tires are fitted
- if the tire pressure is too low or too high
- on steep downhill gradients of more than approximately 15%
- if the vehicle level has been offset, e.g.mounting the curb on one side (vehicles with level control)

You can watch an animation on this topic via the following link:

**PARKING WITH ACTIVE PARKING ASSIST**

**WARNING**
Risk of accident due to objects located above or below the detection range of Active Parking Assist

**IF THERE ARE OBJECTS ABOVE OR BELOW THE DETECTION RANGE, THE FOLLOWING SITUATIONS MAY ARISE:**

- Active Parking Assist may steer too early.
- The vehicle may not stop in front of these objects.

There is a danger of collision!

► In these situations, do not use Active Parking Assist.

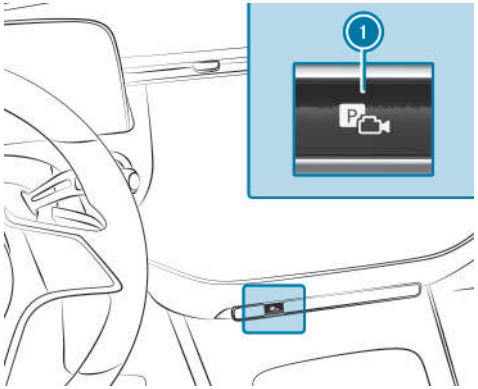
**WARNING**
Risk of accident due to vehicle swinging out while parking or pulling out of a parking space

While parking or exiting a parking space, the vehicle swings out and can drive onto areas of the oncoming lane.

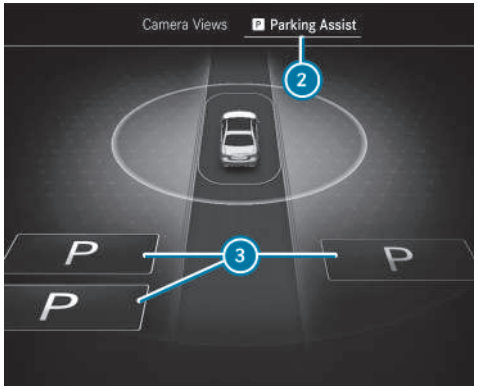
This could cause you to collide with objects or other road users.

► Pay attention to objects and other road users.

► Where necessary, stop the vehicle or cancel the parking procedure with Active Parking Assist.




► Press the button (1).

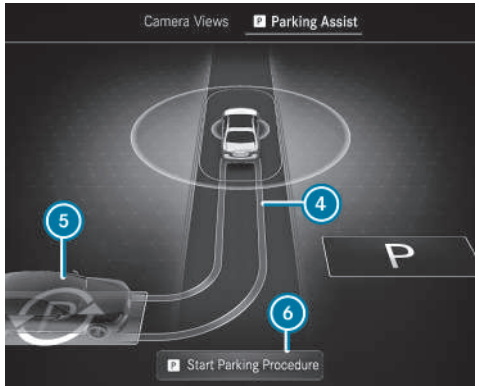



Parking Assist menu (example for left-hand side of the screen)

► Select the menu Parking Assistance (2).

Parking spaces (3) detected by the system are shown on the central display.

At speeds greater than approximately 10 mph (16 km/h), the camera perspective on the right-hand side of the screen switches off.




Parking Assist menu (example)

When the vehicle is at a standstill, the indicated vehicle path (4) into the currently selected parking space (5) also appears.

► When a parking space is displayed, stop the vehicle.

► If necessary, select another parking space.

► **Vehicles with 360° camera:** to change the parking direction, tap the selected parking space again.

► **To start the parking procedure:** press the button (1) again.

or

► Depress the brake pedal and select Start Parking Procedure (6) (depending on the respective vehicle equipment).

► Take your hands off the steering wheel and release the brake pedal.

The vehicle drives into the selected parking space.

The duration of the parking procedure is indicated by a progress bar. The turn signal indicator is switched on automatically when the parking procedure begins. You are responsible for selecting the turn signal indicator in

accordance with the traffic conditions. If necessary, select the turn signal indicator accordingly.

Following completion of the parking procedure, the Active Parking Assist Finished message appears.

- Secure the vehicle against rolling backwards or forwards. Wherever necessitated by legal requirements or local conditions, turn the wheels toward the curb.

ⓘ You can stop the vehicle and change the transmission position during the parking procedure. The system then calculates a new vehicle path. If no new vehicle path is available, the transmission position can be changed again, or the process can be canceled.




Immediate parking from the Camera Views menu

- Select the Camera Views menu.
- When the vehicle is stationary and in transmission position [R], and the symbol (7) appears in the camera image: press the button (1) again.

or

- Depress the brake pedal and select Start Parking Procedure (6) (depending on the respective vehicle equipment).

  The parking procedure is initiated for the detected parking space.

ⓘ The parking space and parking direction cannot be changed in immediate parking.

**UNPARKING WITH ACTIVE PARKING ASSIST**

⚠ **WARNING**
Risk of accident due to objects located above or below the detection range of Active Parking Assist

**IF THERE ARE OBJECTS ABOVE OR BELOW THE DETECTION RANGE, THE FOLLOWING SITUATIONS MAY ARISE:**

- Active Parking Assist may steer too early.
- The vehicle may not stop in front of these objects.

There is a danger of collision!

- In these situations, do not use Active Parking Assist.

⚠ **WARNING**
Risk of accident due to vehicle swinging out while parking or pulling out of a parking space

While parking or exiting a parking space, the vehicle swings out and can drive onto areas of the oncoming lane.

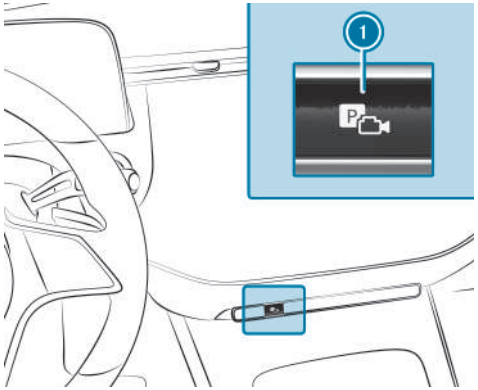
This could cause you to collide with objects or other road users.

- Pay attention to objects and other road users.
- Where necessary, stop the vehicle or cancel the parking procedure with Active Parking Assist.

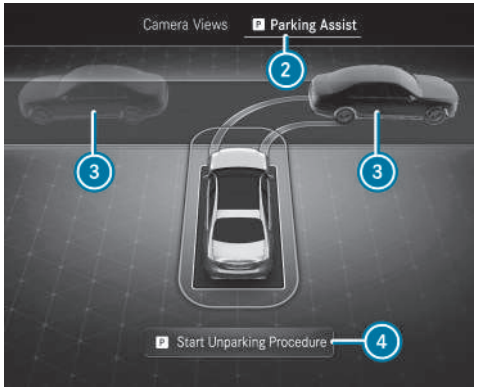
**Requirements:**

- The vehicle is equipped with a 360° camera.
- The vehicle has been parked with Active Parking Assist.

► Start the vehicle.




► Press the button 1.




Parking Assist menu (example for left-hand side of the screen)

► Select the Parking Assistance 2 menu.

► If necessary, change the direction of exit 3.

► **To initiate the unparking procedure:** press the button 1 again.

or

► Depress the brake pedal and select Start Unparking Procedure 4 (depending on the respective vehicle equipment).

► If necessary, change the transmission position. Observe any messages displayed on the driver display and central display.

The vehicle moves out of the parking space.

The duration of the unparking procedure is indicated by a progress bar.

The turn signal indicator is automatically switched on when the unparking procedure is initiated, and automatically switched off again when it is completed. You are responsible for selecting the turn signal indicator in accordance with the traffic conditions. If necessary, select the turn signal indicator accordingly.

After the parking space has been exited, a warning tone and the Active Parking Assist Finished: Take Control of Vehicle message prompt you to take control of the vehicle. You have to accelerate, brake, steer and change gear yourself again.

If you do not react to the prompt to reassume control of the vehicle, the system will brake the vehicle to a standstill.

## PAUSING ACTIVE PARKING ASSIST

**WARNING**
Risk of accident due to objects located above or below the detection range of Active Parking Assist

**IF THERE ARE OBJECTS ABOVE OR BELOW THE DETECTION RANGE, THE FOLLOWING SITUATIONS MAY ARISE:**

- Active Parking Assist may steer too early.
- The vehicle may not stop in front of these objects.

There is a danger of collision!

► In these situations, do not use Active Parking Assist.

**YOU CAN INTERRUPT THE PARKING OR UNPARKING PROCEDURE OF ACTIVE PARKING ASSIST BY PERFORMING ONE OF THE FOLLOWING ACTIONS, FOREXAMPLE:**

► Depress the brake pedal.

► Open the front passenger door, a rear door, the trunk, or the hood.

► Apply the electric parking brake or activate the HOLD function.

**REINITIATING THE PARKING OR UNPARKING PROCEDURE:**

► Check the vehicle surroundings.

► Ensure once again that there are no persons, animals or objects in the vehicle's path.

► Gently depress the accelerator pedal.
Observe the messages shown on the driver display and central display.

► Observe the system limits of Active Parking Assist (→ page 453).

## AUTOMATIC BRAKING FUNCTION OF ACTIVE PARKING ASSIST

**WARNING**
Risk of accident due to objects located above or below the detection range of Active Parking Assist

**IF THERE ARE OBJECTS ABOVE OR BELOW THE DETECTION RANGE, THE FOLLOWING SITUATIONS MAY ARISE:**

- Active Parking Assist may steer too early.
- The vehicle may not stop in front of these objects.

There is a danger of collision!

► In these situations, do not use Active Parking Assist.

Persons or objects detected in the vehicle's path may trigger a sudden braking action, which will in turn halt the parking or unparking procedure. The vehicle will then remain at a standstill. The parking or unparking procedure is resumed if you depress the accelerator pedal.

Check the area around your vehicle again before resuming the parking or unparking procedure. Ensure once again that no persons, animals or objects are in the vehicle's path. Observe also the system limits of Active Parking Assist.

# Maneuvering assistance

## FUNCTION OF DRIVE-AWAY ASSIST

**WARNING**
Risk of accident caused by limited detection performance of Drive Away Assist

Drive Away Assist cannot always clearly identify objects and traffic situations.

- ► Always pay careful attention to the traffic situation; do not rely on Drive Away Assist alone.
- ► Be prepared to brake or swerve as necessary, provided the traffic situation permits and that it is safe to take evasive action.

Drive-Away Assist can reduce the severity of an impact when pulling away. If the system detects an obstacle in the direction of travel, the vehicle's speed is briefly restricted to approximately 1 mph (2 km/h).

**THERE MAY BE A RISK OF COLLISION IN THE FOLLOWING SITUATIONS, FOREXAMPLE:**

- If the driver depresses the accelerator pedal or the brake pedal inadvertently.
- If the driver engages an incorrect gear.
- If the driver depresses the accelerator pedal with excessive force.

**DRIVE-AWAY ASSIST IS ACTIVE UNDER THE FOLLOWING CONDITIONS:**

- If the vehicle was stationary and the transmission position was changed to R or D.
- If the vehicle has rolled less than approximately 3.3 ft (1.0 m) since coming to a standstill.
- If the detected obstacle is less than approx. 3.3 ft (1.0 m) away.

Drive-away Assist can be activated or deactivated in the Maneuvering Assistance menu (⟶ page 461).

If a critical situation is detected, the symbol appears in red in the selected view in the Camera & Parking menu.

If Drive-Away Assist is not available, the symbol appears in gray. If the Camera & Parking menu is not open on the central display, the symbol appears together with the Parking Assist PARKTRONIC pop-up.

Drive-Away Assist serves solely as an aid. It is not a substitute for you having to pay attention to your surroundings. The responsibility for safe maneuvering, parking, and unparking remains with you at all times. Ensure that no persons, animals or objects etc. are in the vehicle's path.

## SYSTEM LIMITS

The system limits of Active Parking Assist apply (⟶ page 453).

On uphill gradients, the performance of Drive-Away Assist is limited.

## FUNCTION OF CROSS TRAFFIC WARNING

**WARNING**
Risk of accident caused by limited detection performance of the cross traffic warning

The cross traffic warning cannot always clearly identify objects and traffic situations.

- ► Always pay careful attention to the traffic situation; do not rely on the cross traffic warning alone.
- ► Be prepared to brake or swerve as necessary, provided the traffic situation permits and that it is safe to take evasive action.

The cross traffic warning can warn you of crossing traffic when you are exiting a parking space. The radar sensors in the bumper also monitor the area adjacent to the vehicle.

## THE CROSS TRAFFIC WARNING WILL BE ACTIVE IN THE FOLLOWING CIRCUMSTANCES:

- Warning for Cross Traffic, Rear: the vehicle is driving in reverse at less than approximately 6 mph (10 km/h).
- Warning for Cross Traffic, Front: the vehicle is driving forwards at less than approximately 6 mph (10 km/h) and the camera image is shown on the central display (⟶ page 449).

The Warning for Cross Traffic, Front can be deactivated or activated on the Maneuvering Assistance menu (⟶ page 461).

If a critical situation is detected, the  symbol will appear in red in the selected view on the Camera & Parking menu.

### WARNING FOR CROSS TRAFFIC, REAR

- The vehicle brakes can be applied automatically when crossing traffic is detected.
- If the Camera & Parking menu is not opened and a critical situation is detected, a warning will appear on the central display together with the Parking Assist PARKTRONIC pop-up.

### WARNING FOR CROSS TRAFFIC, FRONT

- If Active Parking Assist is active, the vehicle brakes can be applied automatically when crossing traffic is detected.
- A warning will appear if Active Parking Assist is not active but the Camera & Parking menu is open.
- If the Camera & Parking menu is not open, the system will not be able to react to crossing traffic.

The cross traffic warning serves solely as an aid, and is not a substitute for you paying attention to your surroundings. The responsibility for safe maneuvering, parking and exiting parking spaces remains with you. Ensure that no persons, animals or objects etc. are in the vehicle's path.

## SYSTEM LIMITS

If the cross traffic warning is not available, the  symbol will appear in gray.

The system limits of Active Parking Assist apply (⟶ page 453).

If the radar sensors are obstructed by vehicles or other objects, detection will not be possible.

**THE CROSS TRAFFIC WARNING WILL NOT BE AVAILABLE IN THE FOLLOWING SITUATIONS:**

- on uphill gradients

**FUNCTION OF CLOSE-RANGE BRAKING**

**WARNING**
Risk of accident caused by limited detection by the maneuvering brake function

The maneuvering brake function cannot always clearly detect people. Other obstacles are not detected by the function.

In these cases, the function may brake unnecessarily or not brake at all.

- ► Always pay careful attention to the traffic situation; do not rely on the maneuvering brake function alone.
- ► Be ready to brake.

Close-range braking can prevent collisions with pedestrians when the vehicle is backing up at slow speeds. If the rear view camera detects a person in the vehicle's path, the vehicle can be braked to a standstill.

**CLOSE-RANGE BRAKING CAN INTERVENE UNDER THE FOLLOWING CONDITIONS:**

- The vehicle is backing up at a speed slower than 6 mph (10 km/h).
- The camera image is shown on the central display (⟶ page 449).

Depending on the respective country, close-range braking can be deactivated or activated in the Maneuvering Assistance menu (⟶ page 461).

When close-range braking is triggered, the symbol appears in red in the selected view in the menu Camera & Parking.

ⓘ If close-range braking is not available, the symbol appears in gray.

Close-range braking serves solely as an aid. It is not a substitute for you having to pay attention to your surroundings. The responsibility for safe maneuvering, parking and unparking remains with you at all times. Ensure that no persons, animals, objects, etc. are in the vehicle's path.

**SYSTEM LIMITS**

**OBSERVE THE SYSTEM LIMITS OF THE FOLLOWING FUNCTIONS:**

- Active Parking Assist (⟶ page 453)
- 360° camera (⟶ page 445)
- Rear view camera

**THE CLOSE-RANGE BRAKING FUNCTION IS NOT AVAILABLE IN THE FOLLOWING SITUATIONS:**

- on uphill gradients

**SWITCH PARKING SUPPORT ON OR OFF**

Multimedia system:

Settings » Assistance » Parking

ⓘ This function is a Digital Extra (⟶ page 107).

- ► Select Maneuvering Assistance.

- Switch the desired parking support on or off.

# Vehicle towing instructions

The vehicle is not suitable for the use of tow bar systems that are used for flat towing or dinghy towing, for example. Attaching and using tow bar systems may result in damage to the vehicle. When you are towing a vehicle with tow bar systems, safe driving characteristics cannot be guaranteed for the towing vehicle or the towed vehicle. The vehicle-trailer combination may swerve from side to side.

**OBSERVE THE FOLLOWING INFORMATION:**

- Permitted towing methods (⟶ page 700)
- **Plug-in hybrid:** permitted towing methods (⟶ page 701)
- The notes on towing the vehicle with both axles on the ground (⟶ page 68)

Back to contents

# Driver display

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go. You can return here at any time via the navigation bar at the top left.

Notes on the driver display
Notes on the 3D driver display
Driver display malfunction
Operating the driver display
Driver display menus
Head-up display
Vehicles with a 48 V on-board electrical system
Function of the power meter (Mercedes-AMG vehicles)
Function of the power meter (plug-in hybrid vehicles)
Overview of status indicators on the driver display (Mercedes-AMG vehicles)
Overview of status indicators on the driver display

# Notes on the driver display

**WARNING**
Risk of accident if the driver display malfunctions

if the driver display is inoperative or its functions are restricted, you will not receive information about such issues as other function restrictions, speed, current drive range and the status of the electric parking brake.

This will impair operating safety.

- ► Stop the vehicle immediately in accordance with the traffic conditions and switch it off. Do not continue driving.
- ► Consult a qualified specialist workshop.
- ► Have the vehicle transported rather than towed.

If the operating safety of your vehicle is impaired, park the vehicle in a safe place immediately. Notify a qualified specialist workshop.

**THE DRIVER DISPLAY SHOWS THE FOLLOWING BASIC INFORMATION:**

- Indicator lamps and warning lamps
- Speed and engine speed
- Transmission position
- Fuel level or state of charge

**ADDITIONAL AVAILABLE FUNCTIONS INCLUDE THE FOLLOWING, FOREXAMPLE:**

- Various menus, suchas Assistance and Navigation
- Status displays for the driving systems
- Display messages
- Information regarding Consumption and Range
- Power meter level and state of charge of the high-voltage battery

**ADDITIONAL INDICATORS FOR PLUG-IN HYBRID VEHICLES:**

- READY Drive system is activated
  "Foot off the accelerator" (→ page 324, 327)

Some menu content and settings can be changed. (→ page 471)

# Notes on the 3D driver display

**WARNING**
Risk of accident if the driver display fails

If the driver display has failed or is malfunctioning, function restrictions in systems relevant to safety cannot be detected.

The operating safety of your vehicle may be impaired.

- ► Drive on carefully.
- ► Have the vehicle checked immediately at a qualified specialist workshop.

If the operating safety of your vehicle is impaired, park the vehicle immediately and safely. Contact a qualified specialist workshop.
The 3D driver's display enables a three-dimensional representation of the content of the driver's display. This requires the driver to be recorded by the driver camera.

**THE SYSTEM MAY BE IMPAIRED OR MAY NOT FUNCTION IN THE FOLLOWING SITUATIONS:**

- The driver camera is deactivated or is not working.
- The driver is outside the detection range of the driver camera.
- The operating conditions are not in place, e.g. if the outside temperature is too low or too high.

# Driver display malfunction

**WARNING**
Risk of accident if the driver display malfunctions

if the driver display is inoperative or its functions are restricted, you will not receive information about such issues as other function restrictions, speed, current drive range and the status of the electric parking brake.

This will impair operating safety.

- ► Stop the vehicle immediately in accordance with the traffic conditions and switch it off. Do not continue driving.
- ► Consult a qualified specialist workshop.
- ► Have the vehicle transported rather than towed.

**Identifying a driver display malfunction**

**A DRIVER DISPLAY MALFUNCTION CAN BE IDENTIFIED BY CHARACTERISTICS SUCHAS THE FOLLOWING:**

- When the vehicle is switched on, the driver display continues to show nothing but a black screen.
- The driver display restarts.
- The content freezes.
- The display stops showing data suchas speed. Various indicator lamps and warning lamps are also displayed.

The driver display is also inoperative during an update.

**What to do in the event of a driver display malfunction**

If the driver display is inoperative or its functions are restricted, stop the vehicle immediately in accordance with the traffic conditions and switch off the vehicle. The following procedure is recommended for this eventuality:

- ► Stop the vehicle in accordance with the traffic conditions.
- ► With the vehicle at a standstill, continue to depress the brake pedal.
- ► Press the button P on the DIRECT SELECT lever.
- ► Apply the parking brake.
- ► Slowly release the brake pedal and ensure that the vehicle is secured against rolling backwards or forwards.
- ► Press and hold the start/stop button (→ page 377) once for approximately three seconds to switch off the drive system.
- ► Contact a qualified specialist workshop immediately.
- ► Have the vehicle transported rather than towed.

ⓘ In addition, note the additional information on switching off the vehicle (→ page 377)and the notes on transporting the vehicle (→ page 704, 706).

# Operating the driver display

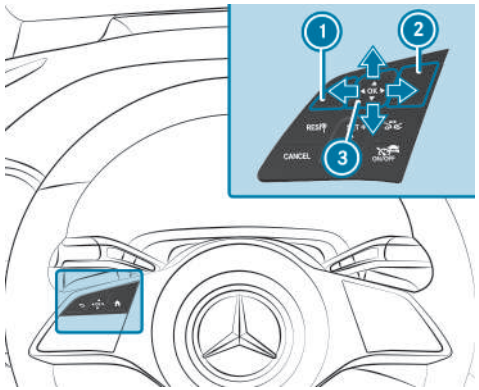
**WARNING**
Risk of distraction from information systems and communications equipment

If you operate information systems and communication devices integrated in the vehicle when driving, you could be distracted from the traffic situation. This could also cause you to lose control of the vehicle.

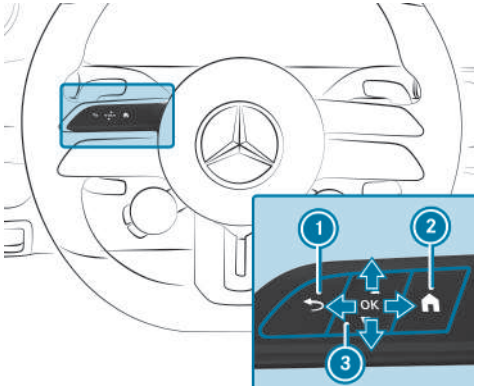
- Only operate this equipment when the traffic situation permits.
- If you cannot be sure of this, stop the vehicle whilst paying attention to road and traffic conditions and operate the equipment with the vehicle stationary.

Observe the legal requirements for the country in which you are currently driving when operating the driver display.

## SCROLLING ON THE MENU BAR




1. Back button
2. Main menu button
3. Touch Control




Mercedes-AMG vehicles

1 Back button
2 Main menu button
3 Touch Control

The control elements on the left of the steering wheel manage the content of the driver display. Swipe with your finger on Touch Control 3 to navigate vertically or horizontally through the content. Press the Touch Control to confirm your selection.

ⓘ Use the tip of your thumb to operate Touch Control 3 to maximum effect. Set the sensitivity of the Touch Control on the central display. (→ page 515)

- Briefly press the main menu button 2.
- Select a menu by swiping to the left or right on the Touch Control 3.
- **To confirm:** press Touch Control 3.

You can watch an animation on this topic via the following link:

# Driver display menus

## Notes on menus on the driver display

**WARNING**
Risk of distraction from information systems and communications equipment

If you operate information systems and communication devices integrated in the vehicle when driving, you could be distracted from the traffic situation. This could also cause you to lose control of the vehicle.

- ► Only operate this equipment when the traffic situation permits.
- ► If you cannot be sure of this, stop the vehicle whilst paying attention to road and traffic conditions and operate the equipment with the vehicle stationary.

Observe the legal requirements for the country in which you are currently driving when operating the driver display.

**THE FOLLOWING MENUS CAN BE CALLED UP VIA THE MENU BAR ON THE DRIVER DISPLAY:**

- Mercedes-AMG vehicles: TRACK PACE
- Sport
- Mercedes-AMG vehicles: Supersport
- Classic
- Navigation
- Assistance
- Offroad (equipment-dependent)
- Service

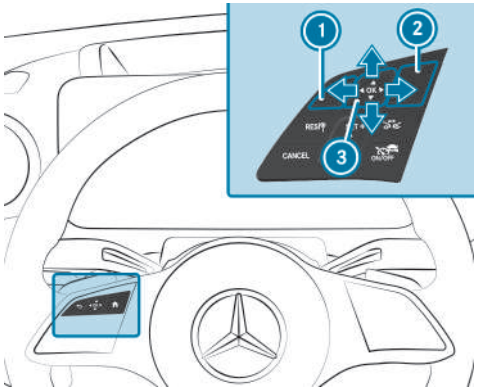
In some of the menus, you can choose between different display content in the center display area.

On most of the menus, you can use Options to configure further settings for the menu-specific display content.

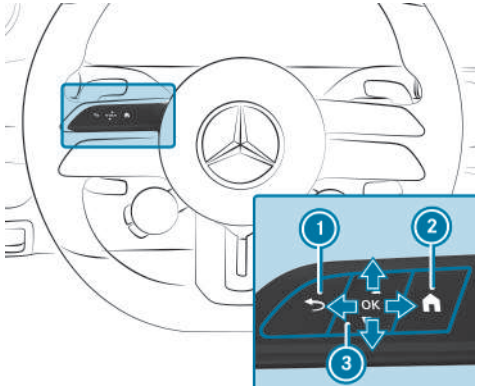
You can watch an animation on this topic via the following link:

# Calling up and using menus on the driver display

## CALLING UP A MENU VIA THE DRIVER DISPLAY MENU BAR




1 Back button
2 Main menu button
3 Touch Control




Mercedes-AMG vehicles

1 Back button
2 Main menu button
3 Touch Control

► Press the main menu button 2 on the steering wheel.
The menu bar will be shown in the lower area of the driver display.




Vehicles with combustion engines



Plug-in hybrid

- Select a menu on the menu bar by swiping to the left or right on Touch Control (3).
- **To confirm:** press Touch Control (3).

**BROWSING THROUGH DISPLAY CONTENT OR LISTS**

- Swipe horizontally or vertically on Touch Control (3).

ⓘ On some menus, an index character at the right edge of the center display section indicates the current position of the information.

**PRESETTING DISPLAYS**

Custom-configured menu content can be set as the standard display.

- Press and hold Touch Control (3) until the displayed bar is completely filled.
  The prompt Set Shortcut? will appear.
- Swipe to the left on Touch Control (3) and select Yes.
- **To confirm:** press Touch Control (3).
- **To show standard displays:** press the back button (1) on the upper level of a menu.

ⓘ Pressing the back button (1) on the standard display will open the previous menu.

**CALLING UP OR EXITING THE OPTIONS SUBMENU**

Depending on the information in the center display content, you can configure various settings in the Options submenu.

- **To call up the Options submenu and confirm a selection:** press Touch Control (3).
- **To exit the Options submenu:** press the back button (1).

**THE FOLLOWING FUNCTIONS MAY BE AVAILABLE IN THE OPTIONS SUBMENU, FOREXAMPLE:**

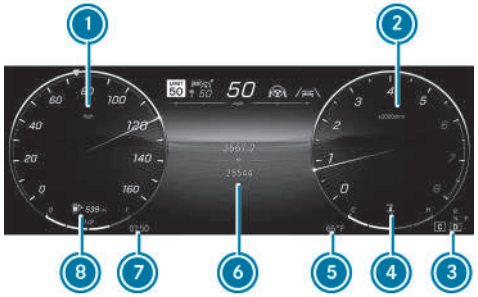
- Navigation: selecting and adjusting zoom, route guidance and map settings
- Classic: resetting the trip distance
- Classic: resetting the trip computer From Start
- Classic: resetting the trip computer From Reset
- Classic: resetting the ECO display values

## Calling up the Classic menu

Driver display:
→ Classic

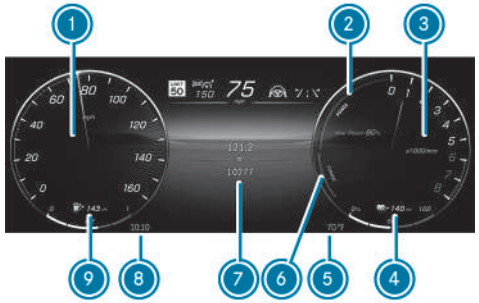
**SELECTING CENTER DISPLAY CONTENT**

The Classic menu shows the driver display separated into speedometer and tachometer. The area in between can be filled with various types of information.



Vehicles with combustion engines

1. Speedometer
2. Tachometer or power meter
3. Transmission position
4. Coolant temperature
5. Outside temperature
6. Center display content (example: trip distance)
7. Time
8. Fuel level and fuel filler flap location



Plug-in hybrid

1. Speedometer
2. POWER display range
3. Tachometer and power meter level
4. Current state of charge for the high-voltage battery
5. Outside temperature
6. Display range of recuperated power
7. Center display content (example: trip distance)
8. Time
9. Fuel level and fuel filler flap location indicator

► Open the Classic menu via the driver display menu bar.

► **To select display content:** swipe upwards or downwards on the Touch Control and select the display content.

**THE FOLLOWING INFORMATION CAN BE SHOWN IN THE CENTER DISPLAY CONTENT:**

- Trip and total distance
- Trip computer From Start and From Reset

- Driving time and distance covered in electric mode
- ECO display
- Range
- Consumption
- ATTENTION ASSIST
- Audio
- Navigation

ⓘ If you select navigation for the center display content, you will see navigation instructions that vary depending on the driving situation.

ⓘ If you have selected information for the center display content and switch to another menu, the selected information will be applied.




Trip computer (example)

① Proportion of driving performed in electric mode (distance traveled under electric power per total distance traveled)

**INFORMATION REGARDING RANGE**

- The actual range achieved may differ from the range displayed. Your previous driving style will be taken into account when the range is being calculated.
- Factors suchas outside temperature or climate control settings have a direct influence on the achievable range.
- While the navigation system or commuter route is active, additional information regarding the route ahead may be included in the range calculation.

**INFORMATION ON ELECTRICAL CONSUMPTION**

- The From Start and From Reset consumption figures take into account all active consumer equipment when it comes to the drive system's operational readiness READY.

**INFORMATION ON THE PROPORTION OF DRIVING PERFORMED IN ELECTRIC MODE**

- When the proportion of driving in electric mode is determined, only distances driven under the following conditions will be taken into account:
  - The combustion engine is switched off.
  - The Electric or Hybrid drive program is active.
  - The high-voltage battery is charged.

Distances traveled under electric power in the Battery Hold drive program or with a discharged high-voltage battery will not be taken into account in the proportion of driving performed in electric mode.

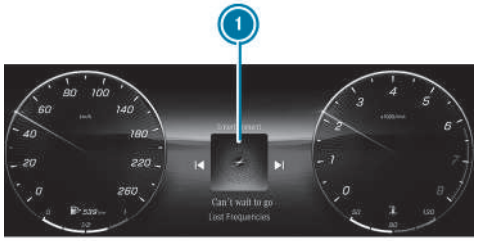
ⓘ To increase the distance covered in electric mode, charge the high-voltage battery as frequently as possible at a suitable charging facility.

**CHANGING THE RADIO STATION OR TRACK ON THE STATION OR TRACK LIST**

You can change radio stations or tracks on the station list or track list in the center display content with audio information.

**THE FOLLOWING WILL BE ADJUSTED IN THE MBUX MULTIMEDIA SYSTEM:**

- Configuring the station list or track list
- Setting the frequency band




1 Track list in the center display content (example)

► **To change radio stations or tracks:** swipe left or right on the Touch Control and select a radio station or track on the station list or track list 1.

ⓘ The radio station or track displayed when the vehicle is restarted depends on the user profile used for the previous trip.

## Calling up the Service menu

Driver display:

↳ Service

The current status of the vehicle is shown on the Service menu.

► Open the Service menu via the driver display menu bar.

**THE FOLLOWING DISPLAY CONTENT IS AVAILABLE IN THE SERVICE MENU (EQUIPMENT-DEPENDENT):**

- Information on the number of messages in the message memory
- Tire Pressure:
- ASSYST PLUS: calling up the service due date (⟶ page 659)
- Engine Oil Level: checking the engine oil level (⟶ page 39)
- Coolant indicator
- Mercedes-AMG vehicles with plug-in hybrid: temperature indicator (transmission oil, engine oil, coolant, high-voltage battery and high-voltage motor)

**THE FOLLOWING FUNCTIONS ARE AVAILABLE IN THE OPTIONS SUBMENU:**

- Tire pressure (⟶ page 723)
  - Checking the tire pressure with the tire pressure monitoring system (⟶ page 723)
  - Restarting the tire pressure monitoring system (⟶ page 724)
- Message memory (⟶ page 836)

# Calling up the Assistance menu

Driver display:

→ Assistance

The Assistance menu displays different driver assistance systems and navigation instructions.

► Open the Assistance menu via the driver display menu bar.



Active Distance Assist DISTRONIC indicator on the assistant display (example)

**IN VEHICLES WITH THE DRIVING ASSISTANCE PLUS PACKAGE, THE FOLLOWING DISPLAYS MAY VARY DEPENDING ON THE DRIVING SITUATION:**

- The navigation instructions in the left-hand display section
- The traffic light view in the right-hand display section
- The display of the driver assistance systems
- The level of detail on the assistant display

In vehicles without the Driving Assistance Plus Package, your lane and the vehicle in front will be displayed.

**THE FOLLOWING STATUS DISPLAYS ARE AVAILABLE ON THE ASSISTANT DISPLAY:**

- Green: pedestrian detection active
- Gray: pedestrian detection activated, but no person detected
- Green radar waves next to vehicle: Blind Spot Assist or Active Blind Spot Assist activated and ready for operation
- Gray radar waves next to vehicle: Blind Spot Assist or Active Blind Spot Assist activated but not ready for operation

**THE CONTENT ON THE ASSISTANT DISPLAY WILL ADAPT TO THE FOLLOWING SITUATIONS:**

- Number of lanes detected
- Change of direction, e.g. lane change
- Current road conditions
- Road users detected

ⓘ The assistant display will not show other detected obstacles, with the exception of road users.

**THE FOLLOWING FUNCTIONS ARE AVAILABLE IN THE OPTIONS SUBMENU:**

- Starting route guidance
- With active route guidance: end route guidance
- Call up previous destinations and favorites
- Start new route guidance to a recent destination
- Start new route guidance to a favorite

# Calling up the Sport menu (Mercedes-AMG vehicles)

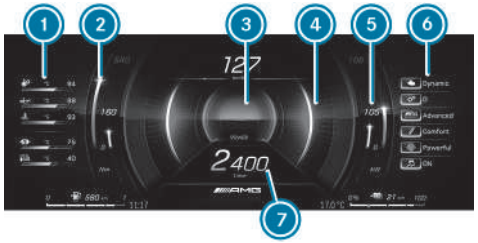
Driver display:

→ Sport

The Sport menu provides information about the engine data of the vehicle.

► Open the Sport menu via the driver display menu bar.

ⓘ When you call up the Sport menu on the menu bar of the driver display, the menu color setting will automatically be applied to the MBUX multimedia system.




1. Temperature (transmission, engine oil, coolant, high-voltage motor and high-voltage battery)
2. Current torque (combustion engine and electric motor)
3. Electric drive support display and recuperation display
4. Engine speed (bar display)
5. Current output obtained (combustion engine and electric motor)
6. Setup (drive, AMG Dynamics, suspension, sound and ESP®)
7. Engine speed

ⓘ It is possible to configure settings for the drive system on the setup menu only when in the Individual drive program [I*].

ⓘ Depending on the vehicle equipment, AMG-specific content regarding temperature, setup and engine data will be displayed. You can set the display content either using the buttons on the multifunction steering wheel or via the MBUX multimedia system (→ page 338).
You can activate or deactivate ESP® either using the buttons on the multifunction steering wheel or via the MBUX multimedia system (→ page 398).

# Calling up the Sport menu

Driver display:

→ Sport

The Sport menu shows information pertaining to the vehicle's engine data.

► Open the Sport menu via the driver display menu bar.

ⓘ When you call up the Sport menu on the driver display, the menu color setting will automatically be applied to the MBUX multimedia system.




1 Current torque
2 G-meter
3 Current power output
4 Boost pressure
5 Engine oil temperature
6 Engine speed

## Calling up the Sport menu (plug-in hybrid vehicles)

Driver display:

→ Sport

The Sport menu provides additional information pertaining to drive performance, as well as recuperated power of the vehicle.

► Open the Sport menu via the driver display menu bar.

ⓘ When you call up the Sport menu on the menu bar of the driver display, the menu color setting will automatically be applied to the MBUX multimedia system.




1 Display area for recuperated power (recuperation)
2 Display area for drive performance
3 Additional display area for drive performance

## Calling up the Supersport menu (Mercedes-AMG vehicles)

Driver display:

→ Supersport

**SELECTING THE CENTER DISPLAY CONTENT**




1 Current torque and recuperation display
2 Center display content (example: selected gear and electric drive support display)
3 Current power and recuperation display

- ► Press the main menu button ⌂ on the steering wheel.
- ► Swipe to the left or right on the Touch Control to call up the Supersport menu on the menu bar of the driver display.
- ► **To select display content:** swipe upwards or downwards on the Touch Control.

ⓘ Displays ① and ③ vary depending on the center display content.

**THE CENTER DISPLAY CONTENT SHOWS THE FOLLOWING INFORMATION:**

- Transmission position display
- **Plug-in hybrid vehicles:** temperature indicator (transmission oil, engine oil, coolant, high-voltage battery and high-voltage motor)
- Setup (drive, AMG DYNAMICS, suspension and sound)
- G-force
- Trip and total distance
- Distance From Start and From Reset
- Consumption
- Audio
- Navigation

ⓘ Depending on the vehicle equipment, AMG-specific content regarding temperature, setup and engine data will be displayed. You can configure the setup display content either using the buttons on the multifunction steering wheel or via the MBUX multimedia system (⟶ page 338).

## Calling up the Track Pace menu (Mercedes-AMG vehicles)

Driver display:

↳ TRACK PACE

The Track Pace function is intended only for closed-off race tracks. Do not use this function on public roads. Adapt your driving style to your personal capabilities and the environmental conditions.

**THE FOLLOWING OPTIONS WILL BE DISPLAYED ON THE TRACK PACE MENU:**

- G-meter
- Race track selected
- Braking and acceleration procedures
- Gear currently selected




Track Pace menu (example)

① G-meter

② Center display content (example: gear display and electric drive support display)

③ Telemetry (example: selected race track)

► Press the ⌂ main menu button on the steering wheel.

► Swipe to the left or right on the Touch Control to select the TRACK PACE menu on the menu bar of the driver display.

**THE DISPLAY CONTENT OF THE TRACK PACE MENU WILL ADAPT TO THE SELECTED SETTINGS ON THE CENTRAL DISPLAY:**

- Transmission position
- Electric drive support display
- Recuperated power display
- G-meter
- Braking points
- Acceleration procedures
- Quarter-mile
- Race track selected on the central display
- Current race
- Record route

While the vehicle is in motion, the G-meter shows the forces that are exerted on the vehicle occupants both laterally and in the direction of travel. The maximum values will be displayed in red in the coordinate system.

## Calling up the off-road menu

Driver display:

↳ Offroad

► Open the Offroad menu via the driver display menu bar.



**AMONG OTHER THINGS, THE MENU CONTAINS THE FOLLOWING INFORMATION:**

- Steering angle
- Chassis height
- Elevation above sea level
- Compass with direction of travel
- Coordinates

ⓘ The availability of this menu is dependent on the equipment.

## Calling up the Navigation menu

Driver display:

↳ Navigation

The Navigation menu shows the relevant map with navigation instructions.

► Open the Navigation menu via the driver display menu bar.

## CHANGING THE SCALE OF THE SELECTED MAP VIEW




1. Distance to the change of direction
2. Road to which the change of direction leads
3. Traffic incident indicator
4. Currently selected route
5. Indicator showing vehicle's current position
6. Change-of-direction symbol
7. Recommended lane (white)
8. Lane not recommended (gray)
9. Current lane

ⓘ The level of detail in the navigation instructions in the left-hand display section may vary.

► **To zoom in and out on the map directly:** swipe upwards or downwards on the Touch Control.

ⓘ If you do not enter anything in auto zoom, the system will reset the scale of the map view already selected after a short time. The map scale is set permanently in the MBUX multimedia system (⟶ page 591).

## THE FOLLOWING FUNCTIONS ARE AVAILABLE ON THE OPTIONS SUBMENU:

- With active route guidance: cancel route guidance
- Select route guidance
- Map Settings

ⓘ If the current route guidance is canceled in the Navigation menu on the driver display, it will also be canceled in the MBUX multimedia system.

In the Options submenu, you can use other functions in the Destinations and Map Settings categories.

## THE FUNCTIONS IN THE DESTINATIONS CATEGORY INCLUDE:

- Call up previous destinations and favorites
- Start new route guidance as a favorite

ⓘ In Favorites, the options Work and Home will also be displayed even if no address is stored.

## THE FUNCTIONS IN THE MAP SETTINGS CATEGORY INCLUDE:

- Activate auto zoom
- Adjust the map view, satellite view and route overview

## THE FOLLOWING MAP VIEWS ARE AVAILABLE IN THE NAVIGATION MENU:

- Entire route
- 2D direction of travel

- 2D north-up
- 3D map

ⓘ There is an additional navigation view on the front passenger display. The front passenger can thus assist the driver with route guidance (⟶ page 579).

# Head-up display

## Function of the head-up display

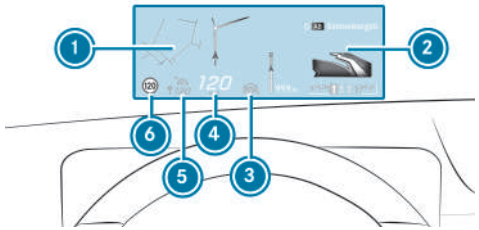
The head-up display projects a variety of content into the driver's field of vision:

**USE THE HEAD-UP DISPLAY MENU BAR TO SELECT DIFFERENT CONTEXTS, SUCHAS:**

- Minimal
- Sport
- Standard
- Mercedes-AMG vehicles: Supersport
- Mercedes-AMG vehicles: TRACK PACE
- Mercedes-AMG vehicles: Race
- Offroad (equipment-dependent)
- Settings
- Activating/deactivating Head-up Display

The following image shows an example of the head-up display. You can choose what content is displayed. (⟶ page 484)

**HEAD-UP DISPLAY CONTENT WITH NAVIGATION (9X3°)**




1. Navigation instructions
2. Navigation instructions (distance to the next route event)
3. Active Steering Assist status
4. Current speed
5. Set speed in the driving system (e.g.cruise control)
6. Detected traffic signs (Traffic Sign Assist)

When you receive a call, the head-up display and the driver display will show the Call Waiting message.

ⓘ The call will also be shown on the central display.

**SYSTEM LIMITS**

**VISIBILITY IS INFLUENCED BY THE FOLLOWING CONDITIONS IN PARTICULAR:**

- Seat position

- Image position setting
- Ambient light
- Wet road surfaces
- Objects on the display cover
- Polarization in sunglasses

# Operating the head-up display

### SELECTING DISPLAY CONTENT OF THE HEAD-UP DISPLAY VIA THE MENU BAR OF THE DRIVER DISPLAY

- Press the main menu button [⌂] on the left.
- **To select the menu bar of the head-up display:** swipe upwards on the Touch Control.



### SWITCHING BETWEEN DISPLAY CONTENT ON THE HEAD-UP DISPLAY

- Swipe to the left or right on the Touch Control.

  A preview of the selected display content will appear on the head-up display.
- **To confirm:** press the button [OK].

### SWITCHING BACK TO THE DRIVER DISPLAY

- Press either button [↩] or [⌂].

### SETTING THE POSITION AND BRIGHTNESS

- Swipe to the left or right on the Touch Control and select Settings on the menu bar of the head-up display.
- Press the Touch Control.

  The current position and brightness settings will be displayed as graphics on the head-up display as well as on the driver display.
- **To adjust the position:** swipe upwards or downwards on the Touch Control.
- **To adjust the brightness:** swipe to the left or right on the Touch Control.

  The settings configured for position and brightness will be saved automatically.
- Press either button [↩] or [OK] to exit the settings.

# Switching the head-up display on/off

Driver display:

→ [⌂]

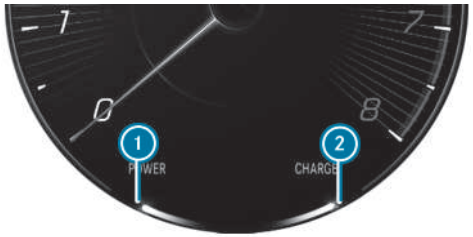
### SWITCHING ON

- Swipe upwards on the Touch Control.
- Press the Touch Control.

### SWITCHING OFF

- Swipe upwards on the Touch Control.
- Swipe on the Touch Control and select Head-up Display.
- Press the Touch Control.

# Vehicles with a 48 V on-board electrical system




1. Electric drive support
2. Recuperation behavior of the electric motor

Due to various system limits, the values displayed may temporarily differ slightly from the actual value.

# Function of the power meter (Mercedes-AMG vehicles)




1. Start of the display range of the electric drive
2. End of the display range of the electric drive
3. Current state of charge of the high-voltage battery
4. Maximum recovered energy
5. Start of the display range of the recovered energy

**THE POWER METER HAS THE FOLLOWING FUNCTIONS:**

- In electric mode, area 1 – 2 shows what percentage of the electrical drive is currently being used. The combustion engine is switched on at a percentage of 100 %. In boost mode, the electrical power assistance of the drive is displayed.
- The area 4 – 5 shows the recuperation and charging behaviour using the combustion engine.

ⓘ Due to various system limits, displayed value 4 may temporarily differ slightly from the actual value.

# Function of the power meter (plug-in hybrid vehicles)




1. Start of the POWER display range
2. End of the POWER display range
3. Current state of charge of the high-voltage battery/remaining range
4. Maximum recovered energy
5. Start of the display range of the recovered energy

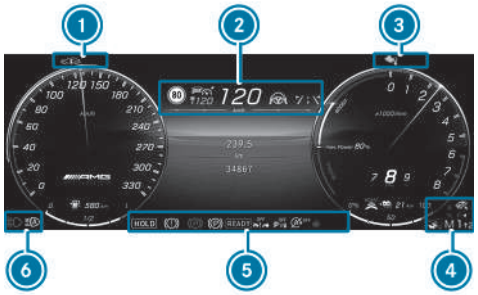
**THE POWER METER HAS THE FOLLOWING FUNCTIONS:**

- In electric mode, area 1 – 2 shows what percentage of the electrical drive is currently being used. The combustion engine is switched on at a percentage of 100 %. In boost mode, the electrical power assistance of the drive is displayed.
- The area 4 – 5 shows the recuperation and charging behaviour using the combustion engine.

ⓘ Due to various system limits, displayed value 4 may temporarily differ slightly from the actual value.

# Overview of status indicators on the driver display (Mercedes-AMG vehicles)

The status indicators for the driving systems and driving safety systems are shown in areas 1 and 6.




Vehicle with plug-in hybrid (example)

The number, position and presentation of the status indicators on the driver display depend on which systems are activated or deactivated.

**DEPENDING ON THE RESPECTIVE EQUIPMENT, MERCEDES-AMG VEHICLES HAVE THE FOLLOWING STATUS INDICATORS:**

- Pedestrian detection (on assistant display only) (⟶ page 476)
- Active Parking Assist is available (⟶ page 454)
- Active Parking Assist has detected a parking space (⟶ page 454)
- Parking Assist PARKTRONIC deactivated (⟶ page 452)
- Cruise control (⟶ page 403)
- Active Distance Assist DISTRONIC (⟶ page 406)
- Specified distance for Active Distance Assist DISTRONIC (⟶ page 406)
- Active Brake Assist deactivated (⟶ page 429)
- Active Brake Assist impaired or inoperative (⟶ page 429)
- Active Steering Assist (⟶ page 415)
- Active Lane Change Assist (⟶ page 419)
- Active Lane Change Assist with automatic lane change (⟶ page 419)
- Active Lane Keeping Assist (⟶ page 437)
- Active Blind Spot Assist (on assistant display only) (⟶ page 434)
- Plug-in-hybrid operation activated
- Haptic accelerator pedal (⟶ page 329, 324, 327)


Sound generator inoperative (⟶ page 857)


ECO start/stop function (⟶ page 322)


Adaptive Highbeam Assist (⟶ page 272)

Adaptive Highbeam Assist Plus (⟶ page 273)


Active Stop-and-Go Assist (⟶ page 415)


Engine temperature warning lamp


AMG Real Performance Sound (⟶ page 330).


**Display flashing:** the vehicle level is being raised or lowered.

**Display lit up:** the vehicle is at high level.

**Vehicles with Traffic Sign Assist:** detected information and traffic signs (⟶ page 430)

Important information from other driving systems may briefly appear over the displayed traffic signs.

# Overview of status indicators on the driver display

The status indicators for the driving and driving safety systems can be found in display sections (1) to (4).




- Pedestrian detection (on assistant display only) (⟶ page 270)
- Active Parking Assist is available (⟶ page 454)
- Active Parking Assist has detected a parking space (⟶ page 454)
- Parking Assist PARKTRONIC deactivated (⟶ page 452)
- Cruise control (⟶ page 403)
- Active Distance Assist DISTRONIC (⟶ page 406)
- Specified distance for Active Distance Assist DISTRONIC (⟶ page 406)
- Active Brake Assist switched off (⟶ page 429)
- Active Brake Assist impaired or not functioning (⟶ page 429)
- Active Steering Assist (⟶ page 415)
- Active Lane Change Assist (⟶ page 419)
- Active Lane Change Assist with automatic lane change (⟶ page 419)
- Active Lane Keeping Assist (⟶ page 437)
- Active Blind Spot Assist (on assistant display only) (⟶ page 436)
- Blind Spot Assist (on assistant display only) (⟶ page 436)
- READY — Plug-in hybrid operation activated
- Haptic accelerator pedal (⟶ page 329, 324, 327)
- Sound generator inoperative (⟶ page 857)
- ECO start/stop function (⟶ page 322)
- HOLD — HOLD function (⟶ page 399)
- Adaptive Highbeam Assist (⟶ page 272)
- Adaptive Highbeam Assist Plus (⟶ page 273)

 Active Stop-and-Go Assist (⟶ page 415)

 Slippery road surface warning

**Vehicles with Traffic Sign Assist:** detected instructions and traffic signs (⟶ page 430)

Important information from other driving systems may briefly appear in front of the displayed traffic signs.

Back to contents

# MBUX Voice Assistant

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
You can return here at any time via the navigation bar at the top left.

Notes on operating safety
Operation
Using MBUX voice assistant effectively
Essential voice commands

# Notes on operating safety

**FOR YOUR OWN SAFETY, ALWAYS OBSERVE THE FOLLOWING POINTS WHEN OPERATING MOBILE COMMUNICATIONS EQUIPMENT AND ESPECIALLY YOUR VOICE ASSISTANT:**

- Observe the legal requirements for the country in which you are driving.
- If voice control is used in an emergency situation, commands may be less easily recognized due to a change in voice.
- Familiarize yourself with the Voice Assistant functions before starting the journey.

**The Voice Assistant does not replace the Operator's Manual.**
The answers from the Voice Assistant do not provide the complete scope of information contained in the Operator's Manual. The Voice Assistant also does not give detailed warning or damage information. You can get the full scope of information about the function and safe operation of the systems and components in the vehicle in the Operator's Manual.

# Operation

## Function of the MBUX Voice Assistant

You can watch an animation on this topic via the following link:

Using the MBUX Voice Assistant, vehicle functions and various areas of the MBUX multimedia system can be operated by voice input, e.g. Navigation or Telephone. The MBUX Voice Assistant is operational about half a minute after switching on the vehicle and can be operated from all seats (depending on the special equipment).

## Conducting a dialog

**STARTING A DIALOG**

- Say **Hey Mercedes** to activate the MBUX Voice Assistant.

or

- Press the button on the multifunction steering wheel.

  A blue wave appears in the MBUX multimedia system. The dialog can be started.

For the dialog with the MBUX Voice Assistant, you can use complete sentences of colloquial language as voice commands. Voice activation can also be combined directly with a voice command, e.g. **Hey Mercedes, how warm is it outside?**

If direct commands are switched on, the dialog can be started with a direct question without using **Hey Mercedes**. Further information on direct commands .

**INTERRUPTING THE DIALOG**

- During the dialog say **Pause**.

  The dialog is interrupted.

- Say **Hey Mercedes** to continue the dialog.

**CHANGING DIALOG LEVEL**

- During the dialog, say **Back**.

  The MBUX Voice Assistant jumps back to the previous dialog step.

**NAVIGATING IN THE SELECTION LIST**

If a voice command does not achieve a clear result, a selection list is shown.

- Say the line number or the content to select an entry or to have further details shown.
- Say **Next page** or **Previous page** to browse the selection list.

**CALLING UP HELP**

- **Information on the MBUX Voice Assistant:** call up the following app in the multimedia system: Hey Mercedes Info.

- **Current application:** say Help.
  You receive suggestions and information on operating the MBUX Voice Assistant.

## Overview of the operable functions of the MBUX Voice Assistant

**YOU CAN USE THE MBUX VOICE ASSISTANT TO OPERATE THE FOLLOWING FUNCTIONS DEPENDING ON THE VEHICLE EQUIPMENT:**

- Telephone
- Text messages
- Navigation
- Radio and media
- Vehicle functions
- Online functions

Full functionality of the Voice Assistant is only available for you with activation of online voice control (⟶ page 495).

## Information on the language setting

You can change the language of the MBUX Voice Assistant via the system language settings (⟶ page 542). If the set system language is not supported by the MBUX Voice Assistant, English will be selected.

## Setting functions of MBUX Voice Assistant using the multimedia system

Multimedia system:

Settings » System » Intelligent Assistance

**SWITCHING VOICE ACTIVATION OF MBUX VOICE ASSISTANT ON OR OFF**

For vehicles with driver camera or MBUX Interior Assistant, the MBUX Voice Assistant can be switched on or off in the Intelligent Assistance menu.

- Select Hey Mercedes.
  When the function is active, the Hey Mercedes voice command can activate the dialog.

**SWITCHING DIRECT COMMANDS ON OR OFF**

- Select ⚙.
- Activate or deactivate the function.
  If the function is active, under certain conditions, some commands can be used without Hey Mercedes, for example Navigate home.

The function can only be used if there are no other occupants in the vehicle.

**SWITCHING VOICE ACTIVATION FOR INDIVIDUAL SEATS ON OR OFF**

- Select ⚙.
- Switch the function for the desired seats on or off.

### SWITCHING PROACTIVITY ON OR OFF

- Select More Settings.
- Select the desired situation, e.g. Profile Activation or Don't Forget Your Phone.

  When the function is active, the MBUX Voice Assistant proactively provides information in specific situations.

### ACTIVATING OR DEACTIVATING ONLINE VOICE CONTROL

ⓘ Online voice control is activated at the factory.

- Select Online Voice Control.
- Activate or deactivate the function.

  If the function is switched on and a Mercedes-Benz user account is linked to the vehicle, additional results are available through external information, e.g. information on points of interest. By clicking the symbol in the blue wave, more information about the online voice control can be displayed.

# Using MBUX voice assistant effectively

## Notes on optimum use of the MBUX Voice Assistant

- The MBUX Voice Assistant is operational half a minute after switching on the vehicle and can be operated from all seats, depending on the equipment installed. The system recognize from which seat the command was spoken and performs actions according to the seat position.
- If a dialog has been ended, the MBUX Voice Assistant continues to be active, as long as the blue wave is shown in the multimedia system. You can say another voice command without saying Hey Mercedes (⟶ page 495).
- If a user profile has been stored and is active, the MBUX Voice Assistant can make suggestions based on the habits of the user.
- With the MBUX Voice Assistant, incoming calls can be accepted or rejected without the keyword Hey Mercedes.

## Information on the MBUX online voice assistant

The online voice control facilitates recognition and thanks to external information makes additional results available.

Therefore, Mercedes-Benz recommends that you activate online voice control (⟶ page 495).

To do this, you need a Mercedes-Benz user account and the MBUX Virtual Assistant service must be activated. If you do not yet have a user account you must create one and connect it with your vehicle (⟶ page 518).

Then call up your Mercedes-Benz user account. The Mercedes-Benz services are displayed and can be activated (⟶ page 521).

By clicking on the symbols displayed in the blue wave, further information on the online status is displayed.

**WHEN ONLINE VOICE CONTROL IS ACTIVE, ADDITIONAL FUNCTIONS ARE AVAILABLE SUCH AS:**

- Weather
- General knowledge
- Public holidays and school holidays
- Smart home
- Messages
- Time, date and time zones
- Pocket and currency calculator
- Football results and fixture lists
- Share prices
- Calendar
- ChitChat
- Horoscope
- Giving feedback

- Vehicle information

The availability of these functions is country and equipment-dependent.

AI-supported functions are available for general knowledge questions and specific search queries, depending on the country and language. This enables you to enter information freely and to conduct the dialog in a sequential manner. Following a web search, the answers will be assembled both dynamically and contextually.

Depending on the country and language, text content comes from Wikipedia in accordance with the CC BY-SA 3.0 license or from an artificial intelligence system connected to the Microsoft Bing online search engine.

# Essential voice commands

## Notes on voice commands

It is not necessary to use exact voice commands to call up a specific function. The MBUX Voice Assistant also understands you when you use your colloquial speech. Some examples are listed below. For some languages however these examples are only available to a limited extent.

**EXAMPLES OF VOICE COMMANDS:**

- Navigation (⟶ page 499)
- Telephone (⟶ page 499)
- Radio and TV (⟶ page 500)
- Media player (⟶ page 500)
- Vehicle functions (⟶ page 500)
- Online functions (⟶ page 501)

## Examples of navigation voice commands

You can operate the navigation system using the MBUX Voice Assistant. The following list offers just a small selection of the possible navigation commands. You can receive additional suggestions in the Hey Mercedes Info App in the multimedia system.

**"HEY MERCEDES, ..."**

- Drive me home.
- Where is the nearest service station?
- Is there a service area along the route?
- Set Covent Garden as intermediate destination.
- Cancel the route guidance.
- Show my last destination.
- Search for a gas station near the Mercedes-Benz Museum in Stuttgart.
- Navigate me to Warsaw and avoid toll roads.
- How is the traffic on the way to work?

## Examples of telephone voice commands

You can operate phones connected with the MBUX multimedia system using the MBUX Voice Assistant. The following list offers just a small selection of the possible telephone commands. You can receive additional suggestions in the Hey Mercedes Info App in the multimedia system.

**"HEY MERCEDES, ..."**

- Call Peter Miller on the mobile phone.
- Dial 0711 17 0.
- Call my father.
- Write a text message to Jane Smith.
- Search for the contact Peter Miller.
- Tell Peter Miller: "I'll be there five minutes later".
- Read me my new text messages.

- Show me the missed calls.
- Switch to address book

**FOR AN INCOMING CALL:**

- Reject call
- Accept call

## Examples of radio and TV voice commands

Depending on the vehicle equipment, you can operate the radio and TV using the MBUX Voice Assistant. The following list offers just a small selection of the possible radio or TV voice commands. You can receive additional suggestions in the Hey Mercedes Info App in the multimedia system.

**"HEY MERCEDES, ..."**

- Play the radio station Heart FM.
- Next station.
- Previous station.
- Show me the list of radio stations
- Save the station
- What am I listening to?

## Examples of media voice commands

You can operate connected media sources and online music using the MBUX Voice Assistant. The following list offers just a small selection of the possible media voice commands. You can receive additional suggestions in the Hey Mercedes Info App in the multimedia system.

**"HEY MERCEDES, ..."**

- Play Michael Jackson.
- Play Michael Jackson on Spotify.
- Play "Yellow Submarine' by the Beatles.
- Next track.
- Previous track.
- Repeat this track.
- Please skip five seconds.
- Please go back five seconds.
- Switch on random playback.
- Set the music volume to level six.
- Mute the music.
- Switch to USB.

## Examples of vehicle voice commands

You can make settings or operate functions in your vehicle using the MBUX Voice Assistant. The following list offers only a small selection of possible vehicle-specific voice commands and depends on the vehicle equipment and the language set.

ⓘ If no seat is mentioned for commands, the action is carried out automatically for the seat from which the command was spoken or for the function which is closest to that seat.

**"HEY MERCEDES, ..."**

- Switch the seat heating to level 2.
- Start the Refresh program.

- Switch the massage program on.
- I would like to set the ambient light to blue
- Switch on the reading lamp.
- Turn off the rear passenger compartment light.
- Open all the windows.
- Switch the driver display to 3D.
- How fast can I drive here?
- How warm is it outside?

**INFORMATION ABOUT THE VEHICLE CAN ALSO BE REQUESTED:**

- Information about individual items of the vehicle equipment
  - Hey Mercedes, which massage program do you have?
  - Hey Mercedes, do I have Blind Spot Assist?
  - Hey Mercedes, where is the warning triangle?
- Information about functioning of the systems and components installed in the vehicle
  - Hey Mercedes, what is DISTRONIC?
  - Hey Mercedes, what do I need ESP for?
  - Hey Mercedes, what is MBUX?
- Information about operating the systems and components integrated in the vehicle
  - Hey Mercedes, how do I connect my smartphone?
  - Hey Mercedes, how can I switch on the high beam?
  - Hey Mercedes, how do I stop the ionization function?

## Examples of online functions

Depending on the country, language and vehicle equipment, additional functions are available when online voice control is active. The system accesses external information and can, for example, answer questions about general knowledge, provide information about weather or locations, perform calculations, etc.

**"HEY MERCEDES, ..."**

- Is the sun shining in Manchester?
- Is it raining at my destination?
- What are the skiing conditions on the Zugspitze?
- What's the time in Sydney now?
- In which country do you pay with dollars?
- How many Swiss franks make 25 euros?
- How long now until the holidays?
- What day is it tomorrow?
- What is 20 % of 29?
- What does my horoscope say?
- What is the price of Mercedes-Benz Group shares?
- Who is the current arm minister?
- What do you know about the Globe Theatre in London?
- Who painted the picture "The Scream"?
- What's the status in the Premier League?
- Create a calendar entry tomorrow at 9 am.
- Tell me a joke.
- How many languages do you speak?
- What is your favorite animal?
- Are there any updates?

- I'd like to give you feedback.

**WITH CLOUD-BASED FUNCTIONS ACTIVE, AI-ASSISTED FUNCTIONS ARE AVAILABLE FOR GENERAL KNOWLEDGE QUESTIONS AND CERTAIN SEARCH QUERIES, DEPENDING ON THE COUNTRY AND LANGUAGE. AS PART OF THIS, YOU CAN ALSO REFER TO THE PREVIOUS CONVERSATION, E.G.:**

- I would like to take my family out for a special birthday dinner. Can you recommend a nice restaurant nearby?. Subsequent question: We prefer to eat vegetarian.
- What's the biggest fish alive?. Subsequent question: Are they dangerous to humans?
- How many Grammy Awards has Alicia Keys won?. Subsequent question: And when was the last one?

Back to contents

# MBUX multimedia system

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
You can return here at any time via the navigation bar at the top left.

Overview and operation
MBUX Interior Assistant
Driver camera
System settings
AMG TRACK PACE
Plug-in hybrid settings
Install & Healthy
Navigation and traffic
Telephone
In-Car Apps
Online and Internet functions
Media
Radio
Sound
Camera app

# Overview and operation

## Overview of the MBUX multimedia system

**WARNING**
Risk of distraction from information systems and communications equipment

If you operate information systems and communication devices integrated in the vehicle when driving, you could be distracted from the traffic situation. This could also cause you to lose control of the vehicle.

- ► Only operate this equipment when the traffic situation permits.
- ► If you cannot be sure of this, stop the vehicle whilst paying attention to road and traffic conditions and operate the equipment with the vehicle stationary.

You must observe the legal requirements for the country in which you are currently driving when operating the multimedia system.

**NOTE**
Increased surface temperature due to direct sunlight on the central display/front passenger display

The surface of the display is very dark.

If the display is exposed to direct sunlight, the surface may heat up considerably.

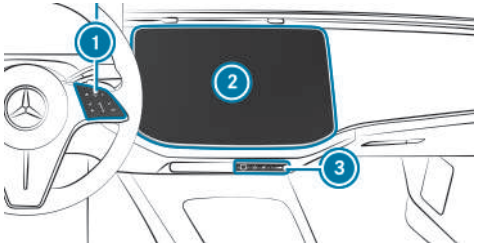
- ► If the display has been exposed to direct sunlight, allow it to cool down before touching it for a longer period of time.

**THE FUNCTIONS OF YOUR MBUX MULTIMEDIA SYSTEM MAY DIFFER AND DEPEND ON THE FOLLOWING FACTORS:**

- Market
- National version
- Technical conditions

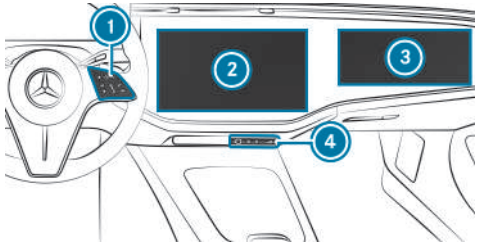
Functions and Digital Extras provided by Mercedes-Benz and/or third-party providers may no longer be available when the contractual period expires. This may also be due to technical prerequisites. There is therefore no entitlement to the continuous provision of functions and Digital Extras.
The described functions may be modified, optimized and adapted after the time of going to press.

Mercedes-Benz therefore reserves the right to introduce changes to functions and Digital Extras.
For these reasons, descriptions and depictions relating to the MBUX multimedia system may, in some cases, differ for your vehicle.




Vehicles with central display

1. Touch Control and control panel for the MBUX multimedia system
   - Operating Touch Control (⟶ page 514)
2. Central display with touch functionality for the driver
   - Overview of the zero layer (⟶ page 508)
   - Calling up and operating the zero layer (⟶ page 510)
   - Home screen overview (⟶ page 512)
   - Operating the touchscreen (⟶ page 515)
3. Control panel for:
   - Fingerprint sensor
   - Switching the MBUX multimedia system on or off, switching the central display on or off
   - Switching sound on or off
   - Adjusting the volume




Vehicles with MBUX Superscreen

1. Touch Control and control panel for the MBUX multimedia system
   - Operating Touch Control (⟶ page 514)
2. Central display with touch functionality for the driver
   - Overview of the zero layer (⟶ page 508)
   - Calling up and operating the zero layer (⟶ page 510)
   - Home screen overview (⟶ page 512)
   - Operating the touchscreen (⟶ page 515)
3. Front passenger display with touch functionality
4. Control panel for:
   - Fingerprint sensor
   - Switching the MBUX multimedia system on or off, switching the central and front passenger displays on or off
   - Switching sound on or off
   - Adjusting the volume

ⓘ Various MBUX multimedia system apps offer the option of linking with a QR code. Scan this QR code with your mobile phone before starting the journey.

ⓘ Alternatively, the MBUX Voice Assistant allows voice dialog. Operation with natural speech starts after the wake-up call "Hey Mercedes" (⟶ page 494). You can start a voice navigation, for example.

ⓘ If the vehicle is equipped with the MBUX Interior Assistant, vehicle and infotainment functions can be used contact-free. The interaction then follows intelligently, reactively or with hand or head movements.

Numerous apps and Digital Extras are available to you. These can be called up via the home screen.

In the zero layer, entertainment sources as well as telephone, active applications and suggestions are directly available to you. You can conveniently call up and add your telephone favorites using the ★ button on the steering wheel.

Quick-access in the home screen and in the applications serve to select functions more quickly.

If you use the learning function of the multimedia system, phone numbers dialed during operation, active relaxation program or vehicle functions are suggested to you, for example. Suggestions are displayed on the zero layer based on context and your user behavior. The configuration of the suggestions is completed in the system settings. Furthermore, the multimedia system learns routines. Routines are actions that run automatically under certain conditions. You can compile your user profile from various vehicle settings and settings of the multimedia system. Some functions and Digital Extras are protected by a PIN. If you teach in biometric procedures, you can identify yourself with these instead of the four-digit Mercedes me ID PIN.

The Notifications center collects incoming notifications, e.g. about an available software update. Depending on the type of notification it offers various actions. The call is made via the Control center.

**OVERVIEW OF THE FRONT PASSENGER DISPLAY (ONLY VEHICLES WITH MBUX SUPERSCREEN)**

⚠ **WARNING**
Risk of accident and injury due to distraction when the driver is looking at the front passenger display

If you look at the front passenger display while driving, you may be distracted from the traffic. This could also cause you to lose control of the vehicle. The front passenger display is intended exclusively for the front passenger.

► Keep the actual traffic situation constantly in view.

► Avoid looking at the front passenger display while driving.

The front passenger display is an additional touchscreen specifically for the front passenger.

**REQUIREMENTS FOR DISPLAYING MENU CONTENT ON THE FRONT PASSENGER DISPLAY WHILE DRIVING:**

- The front passenger is sitting on the front passenger seat.
- The front passenger display is switched on and is not showing a digital decorative image.
- The driver camera is switched on (⟶ page 535).
  The [camera] symbol is shown in the status line of the central display.
- The driver camera detects the driver's head and line of sight.

The front passenger display shows content from the MBUX multimedia system independently of the central display. Depending on the application, operation is independent of the driver. Depending on the market, extended content, e.g. playback of media content, is also available while driving.

ⓘ When the vehicle is parked (transmission in position P), the front passenger can use the front passenger display.
If the driver has left the vehicle briefly, e.g. to go shopping, the front passenger display can also be operated.

ⓘ If no front passenger is present, a digital decorative image is shown on the front passenger display (⟶ page 536). There is also the option of selecting a personal image via the Mercedes-Benz App.

**VISUAL SHIELD FUNCTION FOR FRONT PASSENGER DISPLAY**
The visual shield function is a function for the driver. This reduces the peripheral perception of the front passenger display.

Certain content on the front passenger display is dimmed for the driver.

**REQUIREMENTS FOR ACTIVATING THE VISUAL SHIELD FUNCTION:**

- The content shown on the front passenger display is blocked for the driver while driving, e.g. playback of videos.
- The MBUX multimedia system identifies the content to be locked for the driver and locks it automatically.

**INTELLIGENT, CAMERA-BASED BLOCKING CONCEPT**
The driver camera detects the driver's head and line of sight directed to the front passenger display. If the system detects the driver looking at the front passenger display for too long while driving, the display brightness for the front passenger is reduced for content subject to blocking. These contents are thus no longer visible to the driver and do not distract them during driving. A symbol appears in the top right-hand corner of the front passenger display.

**REQUIREMENTS FOR THE FUNCTION:**

- The driver camera is switched on.
  The symbol is shown in the status line of the central display.
  If these conditions are not fulfilled, the display brightness is permanently reduced for all content that is subject to blocking.
- The driver camera is functional and not covered.

**THE FRONT PASSENGER DISPLAY SHOWS THE CONTENTS AGAIN IN THE USUAL WAY UNDER THE FOLLOWING CONDITIONS:**

- The driver looks forward again.
- No blocked content is shown on the front passenger display.

**ANTI-THEFT PROTECTION**
This device is equipped with technical provisions to protect it against theft. Further information on anti-theft protection can be obtained at a authorized Mercedes-Benz Center.

## Zero layer

**FUNCTION OF THE ZERO LAYER**

ⓘ Your software can be upgraded to a more current version at a later date.

The zero layer provides you with dynamic content from the MBUX multimedia system and is used to quickly access and control the applications you use.

When you select [⌂] on the central display, the digital map with the applications appears in the lower display area. Compared to the home screen with a classic menu, the steps required to call up the applications are reduced. You can switch between the zero layer and the home screen with a classic menu.

The applications can be hidden from the display area and shown again.

**THE ZERO LAYER PROVIDES THE FOLLOWING MODULES AND APPLICATIONS:**

- Navigation module

  In the expanded view you can, for example, have the route overview displayed, switch on the display of traffic information and make settings for the View (map), Messages & Acoustic Signals and the Route.
- Entertainment (media, radio) and telephone

  When the lower display area is shown, the entertainment sources are always displayed.

  A mobile phone must be connected to the MBUX multimedia system for the phone to be displayed.
- Active applications

  The lower display area shows an active massage program, for example.
- Suggestions

  Suggestions are displayed on the lower display area based on context and your user behavior. Here are a few examples:
  - Latest calls
  - Active massage programs
  - Vehicle functions
  - Online voice applications
  - Personalized routines

  The learning function of the system recognizes your typical operating sequences and offers to perform these automatically for you as a routine.

Modules and applications are first shown in a reduced view. By tapping on them, you can operate them or open the associated menu (expanded view).

A long press on a suggestion opens a context menu in which further functions are available.

The learning function can be switched on and off for the options (⟶ page 543).

**OVERVIEW OF THE ZERO LAYER**

**DIGITAL MAP AND USER-SPECIFIC APPLICATIONS (EXAMPLE)**




1. Navigation module (reduced view)
2. Enters a destination (⟶ page 45)
   Searches for parking
3. Calls up the Control Center (pull the bar down)
4. Status line
5. Calls up user profile settings
6. Active application
7. Telephone

Requirement for phone: the mobile phone is connected to the MBUX multimedia system.

8 ⌂

Press briefly: shows all applications (⟶ page 510)

Press and hold: calls up the home screen with classic menu (⟶ page 512)

9 Entertainment sources (media, radio)

10 Route monitor

e.g. route list, lane recommendations, toll stations, 3D image of the upcoming driving maneuver

The zero layer shows the digital map and the user-specific applications.

**THE FOLLOWING USER-SPECIFIC APPLICATIONS ARE DISPLAYED IN THE LOWER DISPLAY AREA:**

- Suggestions

  Requirement: suggestions are activated (⟶ page 543).
- Active applications

  e.g. a massage program

  e.g. Active Parking Assist
- Telephone 7
- Entertainment sources 8
- Online voice applications

The lower display area can be hidden and shown (⟶ page 510).

**INFORMATION ABOUT ENTERTAINMENT SOURCES**

You can operate the applications in the reduced view or in the menu (expanded view) (⟶ page 510).

**EXAMPLES:**

- Control a media source, e.g. pause/play, next track, set a station
- Select tracks from the current playlist or stations from the station list
- Media source selection

  The media source must be connected to the MBUX multimedia system.

**INFORMATION ABOUT THE TELEPHONE**

To use the functions, the mobile phones must be connected to the MBUX multimedia system.

Requirement for suggestions: the Calls & Messages option is activated in the suggestions.

**EXAMPLES:**

- Answer a call and call a missed call

  The missed calls are displayed for the mobile phones connected to the MBUX multimedia system.
- Display contacts and call list and call a contact
- Use voice functions
- Suggest contacts

  The contacts are suggested for the mobile phones connected to the MBUX multimedia system. No contacts are suggested for the mobile phones that are linked to another user profile.
- Write messages to contacts (suggestion)
- Connect a device via the device manager (suggestion)

**INFORMATION ABOUT ACTIVE APPLICATIONS**

**THE FOLLOWING FUNCTIONS ARE AVAILABLE:**

- Operating a massage program
- Operating an ENERGIZING COMFORT program

### SUGGESTIONS FOR COMFORT AND VEHICLE FUNCTIONS AS WELL AS NAVIGATION

Requirement: the Comfort, Vehicle and Navigation options are activated in the suggestions.

- Operating a massage program
  For example, the multimedia system suggests a program at a certain time.
- Opening the trunk lid
  Requirement: the vehicle is equipped with trunk lid convenience closing.
- Operating an ENERGIZING COMFORT program
- Making heating settings
- Activating/deactivating Parking Assist PARKTRONIC
- Selecting previous destinations and destinations from favorites

### SUGGESTIONS FOR ONLINE VOICE APPLICATIONS

Requirement: the Online Voice Services option is activated in the suggestions.

The suggested voice applications are made available online and are based on your previous voice inputs.

**EXAMPLES:**

- What will the weather be like tomorrow?
- Play the messages.
- Start geoquiz.
- Open the garage door.

### SUGGESTIONS FOR ACTIVATING RECOGNIZED ROUTINES

Requirement: the Learning & Suggestions option is activated in the suggestions.

Routines are actions that run automatically under certain conditions. An example of a routine: whenever you drive to work in the morning (condition), the MBUX multimedia system should set a certain massage program (action). Routines can also perform different actions.

## CALLING UP AND OPERATING THE ZERO LAYER

### CALLING UP THE ZERO LAYER

When the vehicle has been switched on, the zero layer is displayed with the digital map. Navigation is active.

- **From another application:** press the [⌂] button on the right side of the steering wheel.

or

- Tap on [⌂].

### OPERATING APPLICATIONS IN THE REDUCED VIEW (EXAMPLES)

- **Media:** to play the previous or next track, tap [⏮] or [⏭].
- **To answer a call or call a missed call:** tap on the contact.
  After the connection has been established, the call functions are available.
- **To end a call:** tap on the contact again.
- **To reply to a message:** tap on a message and dictate the message via the MBUX Voice Assistant.
- **To start a massage program:** tap on the application and start the massage program.
- **To select a previous destination:** tap on the application and select one of the previous destinations.
- **To select a destination from the favorites:** tap on the application and select the destination.

## HIDING AND SHOWING THE DISPLAY AREA WITH APPLICATIONS

- **To hide:** pull the applications down.
- **To show:** pull the bar above [⌂] upwards.

or

- Select [⌂].

or

- Press the [⌂] button on the steering wheel on the right.

## NAVIGATION MODULE (EXPANDED VIEW)

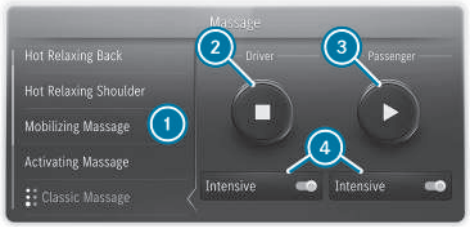



Example: route guidance is active

1. Destination
2. Searches for a gas station
3. Switches traffic information display on or off

- Tap on the navigation module (⟶ page 508).
- Select Route in the lower menu bar.

## OPERATING A MENU IN THE LOWER DISPLAY AREA (EXAMPLE: ACTIVE MASSAGE PROGRAM)




1. Selects a massage program
2. Starts/stops a program for the driver
3. Starts/stops a program for the front passenger
4. Sets the relaxation intensity for the driver's or front passenger seat

- Tap on the application.

  The expanded view of the application is displayed.

- **To close the menu:** select [↩].

## OPENING AND CLOSING THE CONTEXT MENU FOR A SUGGESTION

- Press and hold on a suggestion.

  The context menu opens and shows the No Longer Suggest option, for example.

- **To close:** swipe downwards.

## REMOVING A SUGGESTION FROM THE DISPLAY AREA

- Swipe the suggestion upwards.

## SHOWING ALL APPLICATIONS

- Briefly press [⌂].

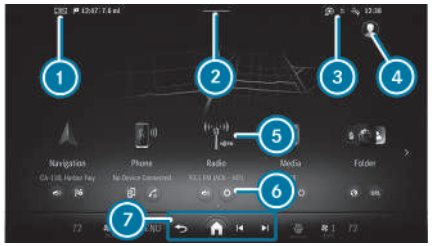
  Available applications are displayed.

- **To hide applications:** briefly press [⌂] again.

**SWITCHING BETWEEN THE ZERO LAYER AND HOME SCREEN WITH CLASSIC MENU**

- Press and hold on [⌂].
  The home screen with classic menu is shown.
- **To return to the zero layer:** press and hold on [⌂].

## Home screen overview




1. Status line
2. Calls up the Control Center: pull the bar down
3. Displays in the status line
4. Calls up user profile settings and switches user
5. Calls up applications
6. Quick-access to application
7. Global menu
   - [↩] Calls up previous menu
   - [⌂] Press and hold: switches between home screen and zero layer
   - [⏮] Previous track or previous radio station
   - [⏭] Next track or next radio station

ⓘ During a telephone call, the call duration is displayed in global menu 7.

Alternatively, to switch between the home screen and the zero layer, press and hold the [⌂] button on the right-hand side of the steering wheel.

When bar 2 is pulled down, the Control Center appears.

**THE FOLLOWING FUNCTIONS ARE CALLED UP IN THE CONTROL CENTER:**

- Notifications Center
- Quick vehicle access

## Personalized routines

**OVERVIEW OF PERSONALIZED ROUTINES**

The MBUX multimedia system supports you with daily routine tasks and can run them automatically. The system's learning function recognizes your typical operating sequences and suggests them as a routine in recurring situations.

When the system recognizes a routine, it is proposed to you on the zero layer for activation.

Routines are actions that run automatically under certain conditions. An example of a routine: whenever you drive to work in the morning (condition), the MBUX multimedia system should set a certain massage program (action). Routines can also perform different actions.

**ROUTINES ARE AVAILABLE TO YOU VIA THREE OPTIONS:**

- The MBUX multimedia system learns and suggests routines.
- You create your own routines.

- You select predefined routines (templates).

If the learning function Learning & Suggestions is switched on and enough data is available, the system suggests a routine on the zero layer. You can activate or reject these. In the future, when the conditions for the routine are met, you will receive a notification with a timer. After confirmation or expiration of the timer, the actions of the routine are executed. If you tap ■ in the notification, the routine is canceled. No actions are performed. However, the routine is still activated. If the conditions for the routine are met again, you will receive a notification again.

You can create your own routines or select predefined routines via the Routines app.

**CONDITIONS FOR ROUTINES ARE, FOR EXAMPLE:**

- When should a routine start?
  - Weekdays at 8 a.m.
- Where should a routine start?
  - Start at home, start at work, tunnel passage
- At what temperature should a routine start?
  - From 32 °F (0 °C)
- At which event should a routine start?
  - Incoming or outgoing call
  - Strong sunlight

**YOU CAN SELECT THE FOLLOWING ACTIONS, FOR EXAMPLE, FROM CATEGORIES:**

- Comfort
  - Selecting a massage program
  - Setting the seat heating
  - Selecting an ENERGIZING COMFORT program
- Climate control
  - Setting temperature (front, rear passenger compartment)
  - Activating or deactivating the AC function
  - Adjusting the air vents
- Entertainment and navigation
  - Selecting a radio station
  - Selecting a media source
  - Switching off navigation announcements

**ACTIVATING AND STARTING SUGGESTED ROUTINES**

**ACTIVATING ROUTINES**

When a new routine is detected, it is suggested for automation on the zero layer.

► Select Yes.

In the future, when the conditions for the routine are met, a notification will be displayed to prepare you to execute the routine.

or

► **To reject the routine this time:** select Decide Later.

You can find the routine in the Routines app and can activate or delete it there at any time.

**STARTING A ROUTINE**

A notification is displayed with a timer. When the timer has expired, the routine starts automatically.

► **To start the routine immediately:** tap the notification text.

- **To reject routine this time:** tap [■].

  If the conditions for the routine are met, the routine will be offered again in the future.

**CREATING YOUR OWN ROUTINES**

Multimedia system:

[⌂] » Routines » Create routines

**CONFIGURING CONDITIONS**

- Select [+].
- Select the condition, e.g. Weekdays.
- Select further conditions if required.

**CONFIGURING ACTIONS**

- Select [+].
- Select the category, e.g. Comfort.
- Select the action, e.g. Classic Massage.
- If required, select further actions also from other categories.
- Select Next.
- Select a symbol and enter a name, e.g. My first routine.
- Select Add routine.

  The routine appears in the overview. When the conditions for the routine are met, a notification is displayed. The routine can be started.

ⓘ You can edit a created routine at any time.

**SELECTING PREDEFINED ROUTINES**

Multimedia system:

[⌂] » Routines » Templates

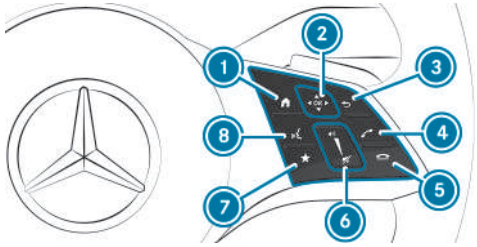
- Activate the desired routine.

  When the conditions for the routine are met, a notification is displayed. The routine can be started.

ⓘ Templates can be edited like your own routines.

# Touch Control

**OPERATING TOUCH CONTROL (MBUX MULTIMEDIA SYSTEM)**




1. [⌂] Shows zero layer/home screen
2. Touch Control

   [◀] [▲] [▶] [▼] swipe in the direction of the arrow (navigate)

   [OK] Press (confirm)
3. [↩] Returns to the previous display
4. [📞] Makes or accepts a call
5. [📞] Rejects or ends a call
6. To increase volume: swipe upwards

   To reduce volume: swipe down

Switches off the sound: press
7 ★ Calls up telephone favorites
8 Starts the MBUX Voice Assistant

ⓘ To operate Touch Control 2 in the most effective way, use the tip of your thumb if possible.

You can navigate through menus and lists via the touch-sensitive surface of Touch Control 2 using **a single-finger swipe**, e.g.:

- **To enter a character:** select a character using the keyboard and press on Touch Control 2.
- **To select a menu option:** scroll in a list and press Touch Control 2.
- **To move the digital map:** swipe in any direction.

**SETTING THE SENSITIVITY FOR TOUCH CONTROL**

Multimedia system:

Settings » System » Control Elements » Touch Control Sensitivity

- Select Fast, Medium or Slow.

**SETTING ACOUSTIC OPERATIONAL FEEDBACK FOR ALL CONTROL ELEMENTS**

Multimedia system:

Settings » System » Control Elements » Acoustic Feedback

The function is supported by the selection in a list.

- Set Off, Regular or Loud.

  If the function is activated you will hear a clicking sound when selecting control elements or when scrolling in a list. When the beginning or end of the list is reached you will hear another clicking sound.

## Touchscreen

**OPERATING THE TOUCHSCREEN**

**TAPPING**

- **To select a menu item or entry:** tap on a symbol or an entry.
- **To increase the map scale:** tap twice quickly with one finger.
- **To reduce the map scale:** tap with two fingers.
- **To enter characters with the keypad:** tap on a button.

**SINGLE-FINGER SWIPE**

- **To navigate in menus:** swipe up, down, left or right.
- **To move the digital map:** swipe in any direction.

**TWO-FINGER SWIPE**

- **To zoom in and out of the map:** move two fingers together or apart.
- **To enlarge or reduce the size of a section of a website:** move two fingers together or apart.
- **To turn the map:** turn counter-clockwise or clockwise using two fingers.

**THREE-FINGER SWIPE**

- **To call up the home screen:** swipe up with three fingers in an application.

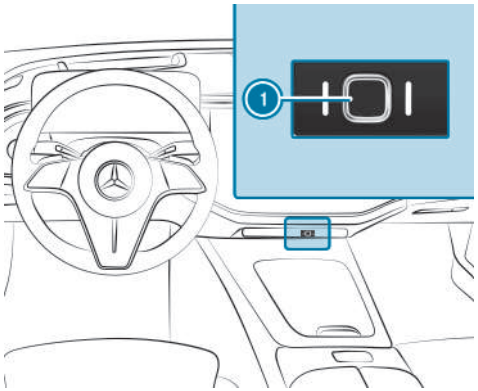
**TOUCHING, HOLDING AND MOVING**

- **To move the map:** touch the touchscreen and move your finger in any direction.
- **To set the volume on a scale:** touch the touchscreen and move the finger to the left or right.

**TOUCHING AND HOLDING**

- **To save the destination in the map:** touch the touchscreen and hold until a message is shown.
- **To call up a global menu in the applications:** touch the touchscreen and hold until the Options menu appears.

## Overview of the fingerprint sensor




Fingerprint sensor (1) allows you to conveniently access protected MBUX multimedia system functions and services. Compared to protection provided by the Mercedes me ID PIN, the entry of a four-digit number is not required to activate services and functions with personal content.

The fingerprint sensor must be set up before use (⟶ page 519).

If equipped with a front passenger display, one fingerprint can be scanned in for the driver's seat and one for the front passenger seat. These fingerprints are then assigned to the respective seat. They can be used for authentication or to activate your own user profile on the assigned display.

ⓘ The fingerprint sensor stores only a data model and no image of the fingerprint. The data model is only processed in the vehicle and is not transmitted from the vehicle.

# User profiles

## NOTES ON USER PROFILES

**WARNING**
Risk of becoming trapped during adjustment of the driver's seat after calling up a driver profile

Selecting a user profile may trigger an adjustment of the driver's seat to the position saved under the user profile. You or other vehicle occupants could be injured in the process.

- Make sure that when the position of driver's seat is being adjusted using the multimedia system, no people or body parts are in the seat's range of movement.

If there is a risk of someone becoming trapped, immediately stop the adjustment process by:

- a) Tapping the warning message on the central display.

or

- b) Pressing a position button of the memory function or a seat adjustment switch in the driver's door.

  The adjustment process is stopped.

The electrically adjustable driver's seat is equipped with an automatic reversing function.

If the driver's door is open, the driver's seat will **not** be set after calling up the driver's profile.

## OVERVIEW OF USER PROFILES

### REQUIREMENTS FOR USE

- You have registered with a Mercedes me ID and confirmed the terms of use.
- Your Mercedes me ID is linked to the vehicle.

If one of the pre-requisites listed is missing or if no user profile has been selected, the data described in the following section will be saved in the vehicle as the standard setting. Standard settings can be changed by all vehicle users.

User profiles save personal settings. If the vehicle is used by several people, a person can change their profile settings without changing the settings of other users.

Some settings apply to the entire vehicle and are displayed in all user profiles, e.g. ambient lighting and the current navigation settings. These are assigned to the driver's profile, but can also be changed by the other vehicle occupants in their user profile.

You can individualise a user profile in the vehicle using the set-up assistant or using the settings in your user profile. Some settings, e.g. a profile photo, can be made either in the Mercedes-Benz App or in the Mercedes-Benz Portal.

If the user profile is downloaded while traveling, user profiles are not set up using the set-up assistant.

User-specific content and applications with personal data are protected by different levels of security (→ page 519).

To access protected content, the Mercedes me ID PIN and, depending on the vehicle equipment, biometric sensors are used.

**WHEN A USER PROFILE IS ACTIVATED, THE FOLLOWING PERSONALIZED COMFORT SYSTEMS, FOR EXAMPLE, CAN BE ADJUSTED OR THEIR SETTINGS LOADED:**

- Seat
- Ambient light
- Outside mirrors
- Roller blinds
- Air conditioning adjustments
- Head-up display

If the user profile is activated when driving then the driver's seat position will not be adjusted.

**USER-SPECIFIC CONTENT**

**DEPENDING ON THE VEHICLE EQUIPMENT YOU CAN, AS A USER, SAVE THE FOLLOWING SETTINGS, FOR EXAMPLE:**

- Driver's seat, steering wheel and mirror settings
- Climate control
- Ambient light
- Radio (including station list)
- Suggestions

This function is an on-demand feature (→ page 107): if the vehicle key is linked to the user profile, the user profile is pre-activated when unlocking the vehicle or approaching a vehicle with KEYLESS-GO. Light, mirror and seat adjustments are made during this process. To use a user profile or an application, the vehicle key also serves as a sensor input for authorization.

You can watch an animation on this topic via the following link:

**ADDING A USER**

**Requirements:**

- The vehicle is stationary.

Multimedia system:

→ Select User

▶ Select ⊕ Add User.

A QR code is loaded.

▶ Scan the displayed QR code with the Mercedes-Benz App or any QR code scanner on a mobile device. If the Mercedes-Benz App is not yet installed on your mobile device, you will be redirected to the store on your mobile device.

▶ Follow the steps in the Mercedes-Benz App.

The vehicle is linked to your Mercedes me ID. This automatically creates your user profile in the vehicle.

If only your user profile is available, it will be loaded automatically.

If more than one user profile is available, you will be directed to the user selection.

When the vehicle is stationary, the set-up assistant starts automatically after user selection.

When the user has been added, they can be selected (→ page 521).

**SELECTING USER OPTIONS**

**Requirements:**

- A user is selected.

Multimedia system:

 Settings

**PROTECTING USER-SPECIFIC CONTENT AND APPLICATIONS**

If you add a new user, access protection is already activated for the user profile. The Mercedes me ID PIN and, depending on the vehicle equipment, biometric sensors are available for access. Biometric sensors in the vehicle must be taught in. The authentication process then takes all taught-in and available sensors into account.

**THE FOLLOWING USER-SPECIFIC CONTENT AND APPLICATIONS ARE PROTECTED, FOR EXAMPLE:**

- User selection and user profile settings
- Biometric sensors

  The teaching-in of biometric sensors

  For teaching in and editing biometric recognition see the following section.
- Suggestions

  The data and determination of the most probable navigation destinations, media sources, radio stations, contacts and messages.
- ENERGIZING COACH

  The recorded health data and its evaluation.
- Parking service

  The payment transactions
- Mercedes-Benz Store

  The purchase of Digital Extras
- System activations of paid vehicle functions

**IN THE FOLLOWING CASES YOU WILL BE PROMPTED FOR AUTHENTICATION OR RE-AUTHENTICATION USING A SENSOR OR THE MERCEDES ME ID PIN:**

- When selecting a protected user profile
- When calling up a function requiring special protection
- If the seat belt buckle and the door are opened at the same seat and a function requiring special protection is called up

ⓘ Facial recognition for re-authentication in the driver's seat is only possible once the door has been closed or the seat belt buckle has been fastened again.

▶ Select Protect Content.

▶ Switch Access Protection on or off.

ⓘ When access protection is switched off, your user profile can be viewed from any seat and changes can be made.

ⓘ Access protection is switched on or off on a vehicle-specific basis.

ⓘ Note that authentication is necessary for some functions and therefore cannot be switched off completely.

**SETTING UP AND EDITING BIOMETRIC RECOGNITION**

The biometric data models are saved in the sensors in the vehicle. If recognition has been set up, this sensor serves as a contributory factor for authentication on the multimedia system.

- Select Protect Content.
- Select Facial Recognition or Fingerprint Recognition.

ⓘ If necessary, authenticate yourself on the multimedia system.

**SETTING UP FACIAL RECOGNITION**

- Close the driver's door or fasten the driver's seat belt.
- Follow the system's instructions.

  Your face is scanned. A message in the driver display or central display shows whether facial recognition was successful or not. You can unlock your user profile and protected applications with the facial scan.

**SETTING UP FINGERPRINT RECOGNITION**

- Place and lift your finger several times on the fingerprint sensor under the touchscreen (⟶ page 516).
- Follow the system's instructions.

  The finger is scanned. If the scanning procedure is successful, a message appears on the central display. You can unlock your user profile and protected applications with your fingerprint.

**DELETING BIOMETRIC DATA**

- Tap on 🗑 behind Facial Recognition or Fingerprint Recognition.
- Select Yes.

**CALLING UP THE SET-UP ASSISTANT**

- Select Profile.
- Select Set-up Assistant.
- Follow the directions from the set-up assistant.

**TEACHING IN THE KEY FOR PROFILE SELECTION**

- Select Protect Content.
- Select SmartKey Recognition.
- Have the key ready and follow the set-up assistant's prompts.

  The user profile is linked to the selected key.

**IF YOU OPEN THE VEHICLE WITH THE KEY, THE LIGHT, MIRROR AND SEAT SETTINGS FOR YOUR USER PROFILE ARE PRE-ACTIVATED:**

- Vehicles with KEYLESS-GO: on approach
- Vehicles without KEYLESS-GO: when unlocking the doors

The key you are currently using for unlocking is used.

The personalized settings of your user profile are loaded.

ⓘ The seat moves to the corresponding position before the driver's door is opened (⟶ page 238).

ⓘ The key is only stored for the driver and for one user profile.

**CHANGING A USER NAME OR PROFILE PHOTO**

- Select Profile.

- Select Change User Name.

or

- Select User Image.
- Enter the user name or select a user image.
- Select Finish.

ⓘ You can store your photo in your Mercedes me ID in the app or in the portal. The photo will then be shown in the vehicle. In the vehicle itself, you can select other sample images instead of the photo.

**DELETING A USER PROFILE**

- Select Profile.
- Select Remove.
- Select Remove User Profile.

ⓘ Your Mercedes me ID and your personal data are retained in the Mercedes-Benz ecosystem.

**RESETTING THE USER PROFILE TO FACTORY SETTINGS**

- Select Profile.
- Select Reset.
- Select Yes.

ⓘ In doing so, both the Mercedes me ID PIN and the biometric data in the vehicle and on the sensors will be deleted.

ⓘ You are only resetting the user profile to the factory settings; none of the other system settings in the vehicle are changed.

You can watch an animation on this topic via the following link:

**SELECTING A USER**

Multimedia system:



ⓘ When you call up your driver profile, the driver's seat and the steering wheel can be set.

**YOU CAN CANCEL THE SETTING PROCESS WITH THE FOLLOWING ACTIONS:**

- Press Tap Here to Cancel message on the central display.
- Press one of the seat operating buttons in the driver's door.

- Select Select User.
- Select a user.
- When requested to do so, authenticate with the Mercedes me ID PIN or a taught-in biometric characteristic.

  The user profile is loaded and activated.

If you select Continue Without Selecting a User, no specific settings for the user profile are loaded.

**SYNCHRONIZING USER PROFILES**

**Requirements:**

- You have registered with a Mercedes me ID and confirmed the terms of use.
- Your Mercedes me ID is linked to the vehicle.
- A user is selected.

Multimedia system:

Settings Profile Synchronization

- Switch on Synchronize Automatically.

  When the vehicle is switched on or off, the data stored in the vehicle is automatically synchronized with the Mercedes me IDs. This synchronization is done for all user profiles and is not profile-specific.

or

- Select Synchronize Now.

  After selecting this option, the data stored in the vehicle is synchronized with the Mercedes me IDs.

Not all user profile functions are available during synchronization.

**IF THE PERSONALIZATION SERVICE IN THE VEHICLE IS DEACTIVATED, ONLY THE FOLLOWING USER PROFILE MASTER DATA IS SYNCHRONIZED:**

- Profile name
- Profile image
- Mercedes me ID PIN

# Notifications Center

**OVERVIEW OF THE NOTIFICATIONS CENTER**

**THE FOLLOWING COMMUNICATIONS ARE COLLECTED IN THE NOTIFICATIONS CENTER:**

- Communications which are generated by the vehicle or from the multimedia system.
- Communications which are received through the use of services.

**THE FOLLOWING NOTIFICATION TYPES ARE AVAILABLE FOR YOU:**

- Navigable destinations and routes
- Messages (text messages)
- System information, e.g. Important Software Update Available Confirm to Start the Update
- Other notifications, e.g. from additional online services that can be subscribed to or emergency reports (e.g. tornado)

The Notifications Center is in the Control Center.

Depending on the style set, newly received notifications are shown using a colored dot.

Notifications are normally briefly shown as they are received. If you take no action, these are stored for future access in the Notifications Center.

The notifications are sorted chronologically. The most recent notifications are at the top.




Example of a message

1. Calls up the Notifications Center
2. Symbol for a pinned notification
3. Time message received
4. Calls up the settings
5. Notification
6. Description of the notification and the issuing service
7. Symbol for notifications
8. Date of the notification received

Depending on the type of notification, up to four different actions are available. If available these are shown as symbols.

**EXAMPLES OF ACTIONS INCLUDE:**

- Reading aloud
- Placing a call
- Replying
- Calling up a website
- Navigation

Some notifications, e.g. a navigation destination, are stored longer. Therefore, it is not necessary to carry out available actions directly upon receipt of the notifications. A route guidance can be started at a later time.

You can pin a notification so that this is not deleted automatically after a certain time. The notification is then denoted by symbol 2.

## CALLING UP NOTIFICATIONS

### OPENING THE NOTIFICATIONS CENTER

► In the zero layer pull down bar 3 in the center of the status line (⟶ page 508).

or

► In the home screen pull down bar 4 in the center of the status line (⟶ page 512).

The Control Center opens.

► Select [ ] in the Control Center.

### SELECTING A NOTIFICATION

► If several messages are available swipe up or down.

► Select an action.

**CLOSING THE NOTIFICATIONS CENTER**

► Select [↩].

**SELECTING ACTIONS FOR A NOTIFICATION**

**THE FOLLOWING OPTIONS ARE AVAILABLE:**

- Select the action directly after a notification is received and shown.
- Select the action later after calling up in the Notifications Center.

► Up to two actions available: select the action.

► More than two actions available: select [<].

► Select the action.
The notification is still available.

► Close the actions with [>].

**EDITING NOTIFICATIONS**

► Call up the Notifications Center (⟶ page 523).

**CONFIGURING SETTINGS**

► Select [⚙] Settings .

► Select the service.

► Switch the options on or off.

**THE FOLLOWING OPTIONS ARE AVAILABLE DEPENDING ON THE SERVICE:**

- Allow Notifications
- Display in Notification Center
- Show Notifications
- Switching Acoustic Signals on or off
- External Access
  The option allows an external service access to specific data, e.g. the current vehicle position. The detailed, approved information is shown with ⓘ.

If Allow Notifications is switched off, the options cannot be selected with the exception of External Access.

**PINNING A NOTIFICATION**

► Drag a notification to the right on the touchscreen.
A pin appears.

► Tap on the pin.
The notification is marked with a pin.

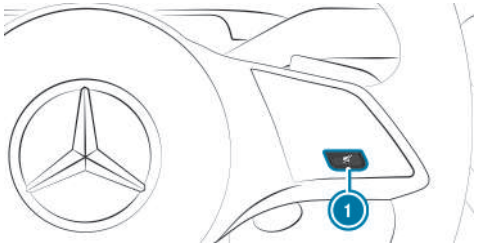
**DELETING NOTIFICATIONS**

► Drag a notification to the left on the touchscreen.

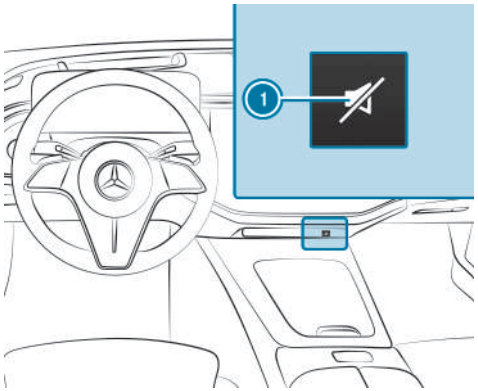
or

► Select [🗑].
► Select Yes.
All messages are deleted.

# Switching the sound for the MBUX multimedia system on or off




On the steering wheel




On the control panel when equipped with MBUX Superscreen

- **To switch off:** press button (1).

  The current audio source is muted.

  The [ ] symbol appears in the status line of the central display.

  If you are listening to a radio station, for example, and switch off the sound then all media sources will be muted.

  Traffic and navigation announcements can still be heard in this case. The MBUX Voice Assistant and telephony are also not affected.

**SWITCHING ON**

- Press button (1) again.

or

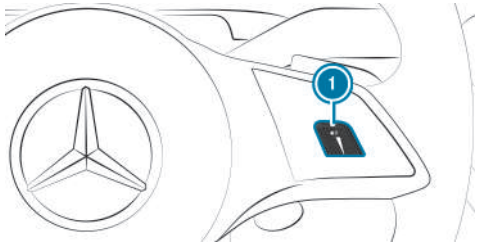
- Set the volume.

or

- The media source changes.

# Setting the volume of the MBUX multimedia system

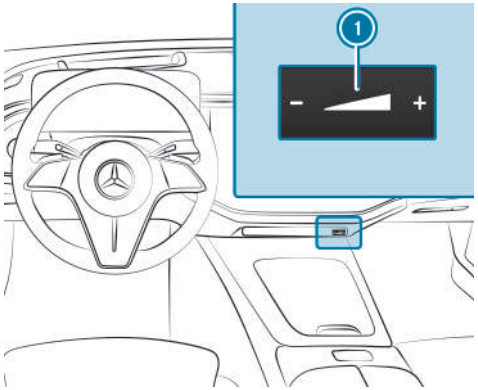
**SETTING ON THE STEERING WHEEL**




- Swipe across button (1).

  The volume of the current audio source in the foreground is set.

### SETTING ON THE CONTROL PANEL IN THE CENTER CONSOLE




Equipped with MBUX Superscreen

- ► Press – or + 1.

  The volume of the current audio source in the foreground is set.

### USING THE CONTROL, THE VOLUME IS ADJUSTED FOR THE FOLLOWING GROUPS:

- Entertainment
- Ringtone
- Calls, for example phone calls
- Voice output, for example MBUX Voice Assistant
- Navigation announcements

ⓘ If you set the volume of the voice output to "0", for example, a minimum volume is automatically set when the MBUX Voice Assistant is next called up. The entertainment volume is automatically adjusted after the multimedia system is restarted.

### SETTING IN THE MENU

- ► Press and hold the ⌂ button on the right of the steering wheel.

or

- ► Press and hold ⌂ on the touchscreen.

  The home screen appears.
- ► Select Settings.
- ► Select System.
- ► Select Audio.
- ► Select a volume setting.

ⓘ The volume can be set for all groups except the entertainment volume.

- ► Set the volume.

### THE FOLLOWING SETTINGS ARE ALSO AVAILABLE IN THE ASSISTANCE MENU:

- Switching the navigation announcements on or off during a phone call.
- Reducing the entertainment volume while a navigation announcement is being issued.

## Entering characters

### USING THE CHARACTER INPUT FUNCTION

You can enter the characters on the Touch Control or on the touchscreen. Character input can be started with a control element and resumed with another.

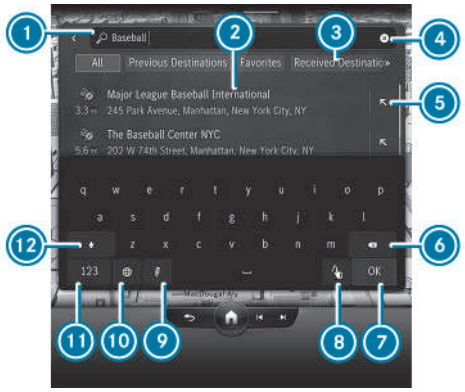
- When the keypad is shown, enter the characters by swiping and pressing on the Touch Control or by tapping on the touchscreen.

Examples for character entry include the entry of a navigation destination or a message.

**ENTERING CHARACTERS ON THE TOUCHSCREEN**

**Requirements:**

- An online connection is required for some functions.




Example: character input with the keypad

1. Input line with current entry
2. Search result
3. Selects destination input, displays further destination inputs with double arrow
4. Deletes an entry
5. Adopts the search result in the input line and continues the search
6. Deletes the last character entered
7. Hides the keypad
8. Switches to further entries
9. Starts the MBUX Voice Assistant (→ page 494)
10. Sets the written language
11. Switches to digits and special characters
12. Switches to upper-case or lower-case letters

- Example: call up the navigation and enter a destination address (→ page 45).

- Briefly press on a character.
  The character is entered in input line 1.

- Resume character input.

ⓘ The available editing functions depend on the editing task, the language set and the character level.

**ENTERING ALTERNATIVE CHARACTERS**

- Press and hold on a character.

- Select the character.

**ENDING CHARACTER INPUT**

- Tap on 7 and hide the keyboard.

**SETTING THE KEYBOARD FOR CHARACTER ENTRY**

**Requirements:**

- The read-aloud function is available for the selected system language.

Multimedia system:

Settings » System » Keyboard

**SETTING THE KEYBOARD LANGUAGE**

- Select Keyboard Languages.
- Select one or more keyboard languages.

**DELETING THE USER DICTIONARY**

The user dictionary learns from your inputs and offers suggestions during character input. You can reset the user dictionary.

- Select Reset My Dictionary.
- Select Yes.

# MBUX Interior Assistant

## Notes on lasers and laser classification

**WARNING**
Risk of injury from the camera's laser radiation

This product uses a classification 1 laser system. If the housing is opened or damaged, laser radiation may damage your retina.

- Do not open the housing.
- Always have maintenance work and repairs carried out by a qualified specialist workshop.

This product complies with the requirements of the FDA 21 CFR 1040.10 and 1040.11 with exception of the variations according to the FDA Laser Notice No. 50 from 24 June 2007.

The camera records image data for the applications, for example body, head and hand detection.
The camera converts the image data directly into meta data. No image data is saved in the process. The data is processed in the vehicle and is not transmitted from the vehicle.
When you start the vehicle, the MBUX Interior Assistant is activated automatically. You can switch the Interior Assistant on or off (⟶ page 533).

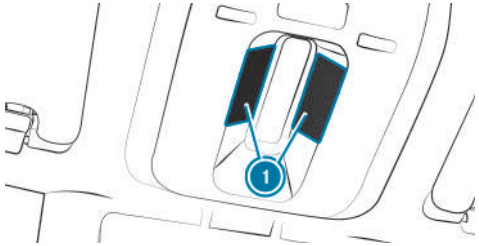
## Overview of the MBUX Interior Assistant

The MBUX Interior Assistant detects the front vehicle occupants via 3D laser cameras in the overhead control panel. The Assistant interprets natural hand, head and body movements contextually or upon explicit request from the driver or front passenger. The Assistant can thus automatically trigger vehicle interior functions and assist appropriately to the situation.

The Assistant recognizes driver and front passenger interactions.

**THE APPLICATIONS ARE AVAILABLE UNDER THE FOLLOWING CONDITIONS:**

- The MBUX Interior Assistant is activated (⟶ page 533).
- The MBUX multimedia system is activated.




Cameras (1) are located in the overhead control panel.

**THE ASSISTANT SUPPORTS VEHICLE AND INFOTAINMENT FUNCTIONS AT THREE INTERACTION LEVELS:**

- INTELLIGENT
  The Assistant recognizes vehicle occupants and objects automatically and activates functions.
- REACTIVE
  The Assistant recognizes the natural body language of a vehicle occupant and carries out functions automatically, appropriate to the situation.
- CONTACTLESS
  The vehicle occupant actively requests a function using a hand movement.

**THE ASSISTANT OFFERS FUNCTIONS FOR THE FOLLOWING:**

- SAFETY
  The Assistant supports vehicle occupants with the use of restraint systems.
- COMFORT
  The Assistant enhances comfort by automating functions inside the vehicle and supporting natural interaction with the vehicle.
- INFOTAINMENT
  The Assistant facilitates operation of the Infotainment functions.

**SYSTEM LIMITS, DISPLAY MESSAGES AND NOTES FOR RECTIFICATION**

ⓘ System limits that only apply to one application are described in the corresponding section.

The malfunction messages are shown on the central display, for example.

**THE SYSTEM MAY BE IMPAIRED OR INOPERATIVE IN THE FOLLOWING SITUATIONS:**

- The camera in the overhead control panel may heat up due to operating conditions. As a result the camera may switch off temporarily, particularly during longer periods of operation and at high outside temperatures.
  Do not touch or cover the camera. Wait until the camera has cooled down and is available again.
  The Interior Assistant Unavailable Further Information to Follow message appears.
  You receive a message when the camera is available again.
- The camera is covered, dirty, fogged up or scratched.
  Wait until the camera has cooled down before cleaning the camera cover.
  The Currently Unavailable See Operator's Manual message appears.
  Clean the outside of the camera cover with a dry or damp cotton cloth. Do not use microfiber cloths. Do **not** remove the cover when cleaning.
- A vehicle occupant is very large. Clothing being worn (gloves, hat, scarf, color of clothing) or objects carried on a person, for example a watch with a large display, can affect the camera view. Or the detection range of the camera is restricted.
  No message appears.
  Keep the camera's field of vision clear.
  Objects in the detection range of the camera can restrict the camera view. Please make sure that no objects hang on the inside mirror, for example.
- The MBUX Interior Assistant is faulty.
  The Interior Assistant Not Available. Please contact your Mercedes-Benz dealer. message appears.
  Consult an authorized Mercedes-Benz Center.

**THE THREE TYPES OF INTERACTION:**

| Type of interaction | Description and example of application |
|---|---|
| INTELLIGENT | The Assistant detects the presence of vehicle occupants and objects.<br>Depending on the situation, functions are carried out automatically.<br>Example of application: prompt about fastening the child seat (safety) |
| REACTIVE | The natural body language of a vehicle occupant, e.g. a hand or head movement, is recognized and triggers a function implicitly.<br>Example of application: switching the search light on or off (comfort) |
| CONTACTLESS | The vehicle occupant triggers a function by actively demanding this with a hand movement. |

You can watch an animation on this topic via the following link:

## Note on securing the child seat with the belt (SAFETY/intelligent)

The MBUX Interior Assistant detects child restraint systems on the front passenger seat. If a child restraint system is not fastened, e.g. a rearward-facing child seat, a message appears on the central display.

The function assists you in making sure that a child restraint system is secured with the seat belt on the front passenger seat.

ⓘ For further information on securing a child restraint system with the seat belt on the front passenger seat (⟶ page 171).

ⓘ The MBUX Interior Assistant cannot check whether the child is correctly restrained in the child restraint system.

ⓘ This equipment is not available in conjunction with all seat variants.

## Switching the reading light on or off (COMFORT/contactless)

**Requirements**

- The driver's and front passenger's hand movement takes place under the inside rearview mirror.

A brief movement of the hand up and down, switches the reading light on or off.



Carrying out operation of the reading light for the driver and front passenger

- Move your hand up and down under the inside rearview mirror.
  The reading light is switched on or off.

ⓘ Further information on switching the reading lamps on and off (⟶ page 277).

## Switching the search light on or off (COMFORT/reactive)

**REQUIREMENTS**

- The function is available in the vehicle when it is dark.
- The front passenger seat is not occupied or a child is sitting in a child restraint system.
- The hand movement is made by the driver in the interaction area above the front passenger seat.

The function enhances the comfort in the vehicle interior.

Stretching out a hand over the front passenger seat switches a search light on automatically for the driver when it is dark. Pulling the hand back switches the search light off again.



Interaction area for activation of the search light

## Automatic preselection of the outside mirrors (COMFORT/reactive)

Until now, to set the outside mirrors the desired mirror had to be selected using a preselection button in the driver's door.

With the MBUX Interior Assistant, the mirror to be set is preselected automatically by the natural movement of your head to the left or right. When the hand touches the button for adjusting the outside mirror, the LED under the button of the preselected mirror side lights up.

Use the button to set the position of the active outside mirror.

ⓘ Preselection of the outside mirrors using buttons is still possible. Further information on adjusting the outside mirrors (⟶ page 282).

ⓘ The driver camera is also used for this application.
Further information on the driver camera (⟶ page 534).

This function is not supported if the MBUX Interior Assistant is not available.

## Opening or closing the roller sunblind on the rear window (COMFORT/reactive)

**REQUIREMENTS:**

- The vehicle is equipped with a roller sunblind for the rear window.
- Reverse gear is engaged.

If the driver glances back over their shoulder in the direction of the rear window, the roller sunblind opens automatically.

**IF THE ROLLER SUNBLIND WAS CLOSED BEFORE BACKING UP, IT WILL BE CLOSED AUTOMATICALLY IN THE FOLLOWING SITUATIONS:**

- Park position P is selected.
- The vehicle exceeds a minimum speed when moving forward.

The function facilitates a good view when backing up, e.g. when parking, and reduces the number of operating steps.

Further information on opening and closing the roller sunblind on the rear window (→ page 213).

This function is not supported if the MBUX Interior Assistant is not available.

## Selecting settings for the MBUX Interior Assistant

Multimedia system:

Settings » System » Intelligent Assistance

**SWITCHING THE MBUX INTERIOR ASSISTANT ON OR OFF**

- Activate or deactivate the Assistant.

  If the Assistant is activated, full functionality is used.

# Driver camera

## Overview of the driver camera

**WARNING**
Risk of injury from infrared radiation from the camera

This product uses an infrared lighting system of risk group 0 (RG0). If the housing is opened or damaged, infrared radiation may damage your retina.

- ► Do not open the housing.
- ► Always have maintenance work and repairs carried out by a qualified specialist workshop.

This device is a product of risk group 0 (RG0) according to IEC 62471: 2006 (First Edition) & DIN EN 62471: 2008.
Depending on the equipment, the driver camera is located either in the driver display or in the nozzle strip.

Depending on the equipment, the driver camera is either a mono or a stereo camera.

**THE DRIVER CAMERA DETECTS THE FOLLOWING CHARACTERISTICS:**

- Head position
- Viewing direction
- Eyelid closure characteristics
- Driver's face

ⓘ The driver camera is automatically activated each time the vehicle is opened with the key.
The current status of the driver camera is shown in the status line of the central display.

ⓘ The driver camera records image data for applications such as ATTENTION ASSIST and facial recognition, for example.
The driver camera converts the image data directly into meta data. No image data is saved in the process. The data is only processed in the vehicle and is not transmitted from the vehicle.

The driver camera must be set up for facial recognition before use (⟶ page 519).

**SYSTEM LIMITS**

**THE SYSTEM MAY BE IMPAIRED OR MAY NOT FUNCTION IN THE FOLLOWING SITUATIONS:**

- The driver camera is covered or dirty, fogged up or scratched.
- The driver's face and/or eyes are covered.
- The driver is wearing glasses that block infrared.

**DISPLAY MESSAGES**

**IN THE FOLLOWING SITUATIONS DISPLAY MESSAGES MAY BE SHOWN:**

- If the driver camera is not functioning.

The driver camera is malfunctioning.

The Driver Camera Inoperative See Operator's Manual message appears.

- If the driver camera's view of the driver is blocked due to the current steering wheel and seat position.

  The Change the steering wheel/ seat position until 6 dots are visible on the upper edge of the screen. message appears.

- If the view of the driver camera is reduced or restricted.

  The The camera view of the driver is currently obstructed Affected functions: See operator's manual message appears.

  The message can appear, for example, in the following cases:

  - The camera's view is obstructed, e.g. due to a scarf or hat being worn.
  - The driver is wearing glasses that block infrared.
  - If hair partially obstructs the eyes, e.g. as with a long fringe.
  - In the event of strong direct sunlight. The driver camera cannot detect the driver's eyes if the light-dark contrast is too strong.
  - When one hand or both hands are on top of the steering wheel (twelve o'clock position).

**NOTES ON CARE**

For the display, please comply with the notes on caring for the interior (⟶ page 678).

## Switching the driver camera on or off

Multimedia system:

Settings » System » Intelligent Assistance

The driver camera is automatically activated each time the vehicle is switched on.

► Select On or Off.

**WHEN THE DRIVER CAMERA IS SWITCHED OFF OR THE** THE CAMERA VIEW OF THE DRIVER IS CURRENTLY OBSTRUCTED AFFECTED FUNCTIONS: SEE OPERATOR'S MANUAL **MESSAGE APPEARS, THE FOLLOWING FUNCTIONS ARE NOT AVAILABLE OR LIMITED:**

- The 3D driver display (only with stereo camera) (⟶ page 466)
- The microsleep and distraction detection function of ATTENTION ASSIST (⟶ page 401)
- The facial recognition

  This function serves as sensor input for authentication and unlocking of the user profile and protected applications (⟶ page 519).
- The mirror preselection

  This function allows the natural movement of the head to the left or right to automatically preselect the outside mirror to be adjusted (⟶ page 282).

# System settings

## Display

**CONFIGURING DISPLAY SETTINGS**
Multimedia system:
Settings » System » Display

**ADJUSTING THE BRIGHTNESS**

- Select Display Brightness.
- Vehicles with a driver display and central display: adjust the display brightness of the driver display or central display.
- Vehicles with the MBUX Superscreen: adjust the display brightness of the driver display, central display or the front passenger display.

**SETTING THE DECORATIVE IMAGE FOR THE FRONT PASSENGER DISPLAY (VEHICLES WITH MBUX SUPERSCREEN)**

ⓘ The function is country-dependent.

- Select Passenger Screen Decorative Image.
  A selection of decorative images is displayed.
- Select the desired decorative image.

ⓘ The number of available decorative images is variable.

ⓘ If no user is logged in to the front passenger display and the front passenger display is switched on, the digital decorative image is visible.

## Time and date

**SETTING THE TIME ZONE**
Multimedia system:
Settings » System » Time and Date

- Select Time Zone.
  The list of countries is displayed.

ⓘ If there are several time zones available in a country, these will be shown after the country is selected.

- Select a country and, if required, a time zone.
  The time zone set is displayed after Time Zone.

or

- Select the Automatic Time Zone entry from the country list.
  The time zone will be set automatically according to the vehicle location.

The Automatic Time Zone option is available for vehicles with satellite reception.

**SETTING THE TIME AND DATE FORMAT**

Multimedia system:

Settings » System » Time and Date » Set Format

- Select a time and date format.

**SETTING THE TIME AND DATE MANUALLY**

**Requirements:**

- The vehicle does not have satellite reception.

Multimedia system:

Settings » System » Time and Date

**SETTING THE TIME**

- Select Set Time.
- Set a time.
- Press OK to confirm.

**SETTING THE DATE**

- Select Set Date.
- Select a date.
- Press OK to confirm.

On vehicles with satellite reception, the time and date settings are determined automatically based on the vehicle location and cannot be set manually.

**ADJUSTING THE TIME**

- Select Adjust Time.
- Set a value.
- Press OK to confirm.

The function is only available in vehicles with satellite reception.

## Vehicle position

**SWITCHING TRANSMISSION OF THE VEHICLE POSITION ON OR OFF**

**Requirements:**

- The vehicle is linked to a Mercedes-Benz ID.
- At least one digital Mercedes-Benz service is activated for the vehicle, which customers and/or third parties can use to display the vehicle position via the respective user accesses.

With this setting, you decide whether the vehicle position will be transmitted in order to show it to users who have access to the digital Mercedes-Benz services for this vehicle.

The function is country-dependent. For more information, consult an authorized Mercedes-Benz Center.

Multimedia system:

Settings » System » Data Protection

- Activate or deactivate the Transmit Veh. Position function.

Alternatively, you can also switch the function on or off in the status line via .

## Setting permissions

Multimedia system:

Settings » System » Data Protection » Permissions

In the Permissions menu, you can set access authorization for various data points (such as a microphone, camera) used in an application. You can change permissions that have already been granted here. You can set permissions either for individual data points or for certain applications or websites.

- Select Requests or Apps/Websites.
- Make the required settings for the permissions.

## Bluetooth®

**INFORMATION ABOUT BLUETOOTH®**

Bluetooth® technology is a standard for short-range wireless data transfer up to approximately 32.8 ft (10 m).

**YOU CAN USE BLUETOOTH® TO CONNECT YOUR MOBILE PHONE TO THE MULTIMEDIA SYSTEM AND USE THE FOLLOWING FUNCTIONS, FOR EXAMPLE:**

- Hands-free system with access to the following options:
  - Contacts (⟶ page 612)
  - Call lists (⟶ page 613)
  - Text messages (⟶ page 614)
- Internet connection (⟶ page 635)

Bluetooth® is a registered trademark of Bluetooth Special Interest Group (SIG) Inc.

Internet connection via Bluetooth® is not available in all countries.

**ACTIVATING/DEACTIVATING BLUETOOTH®**

Multimedia system:

Settings » System » Internet and Bluetooth

- Switch Bluetooth on or off.

## Wi-Fi

**WI-FI CONNECTION OVERVIEW**

You can use Wi-Fi to set up a connection to the Internet or to external network devices.

The availability of the function is dependent on the country.

**WITH REGARD TO THE WI-FI CONNECTION, YOU CAN CHOOSE BETWEEN:**

- **Using the multimedia system as a Wi-Fi hotspot** (⟶ page 539)

The multimedia system in the vehicle serves as a Wi-Fi hotspot for mobile communication devices such as a smartphone or tablet PC.

- **Using a mobile communication device as a Wi-Fi hotspot (tethering)** (⟶ page 637)
  An external Wi-Fi hotspot is accessed for the Internet connection of the vehicle's multimedia system.

**SWITCHING WI-FI ON OR OFF**

Multimedia system:

→ Settings » System » Internet and Bluetooth

► Select Wi-Fi.

The controller is to the right: Wi-Fi is switched on.

When Wi-Fi is switched on, you can connect the multimedia system with external hotspots or make it available as a hotspot for external devices.

When Wi-Fi is switched off, it is not possible to establish a hotspot connection.

ⓘ Availability of the function is dependent on the respective country.

**USING THE MULTIMEDIA SYSTEM AS A WI-FI HOTSPOT**

**Requirements:**

- The device to be connected supports at least one of the types of connection described.
  The connection types shown depend on the device to be connected. The function must be supported by the multimedia system and by the device to be connected. The type of connection must be selected on the multimedia system and on the device to be connected.

ⓘ The data volume of the vehicle or an already connected tethering device is used for the data connection.
Vehicle data volume: depending on the vehicle equipment, you can purchase an Entertainment Package via the Mercedes-Benz Store. In order to use the data package included, you must conclude your own contract with a mobile phone network provider via the Mercedes-Benz App. This can be terminated at any time and incurs no costs. Without this contract it is not possible to use the Digital Extras included in the previously acquired Entertainment Package. The availability of this option is dependent on the country.
If the data package option is not available or can be upgraded, you can purchase data volume directly from the mobile phone network provider for a fee. The availability of this option is dependent on the country.

ⓘ Some functions may first need to be activated on the device being connected. More detailed information can be found in the manufacturer's operating instructions.

ⓘ The use of the vehicle data tariff by external devices is not available in all countries.

Multimedia system:

Settings » System » Internet and Bluetooth

- Select MBUX Hotspot.
- Select one of the following connection options.

**CONNECTING USING A QR CODE**

Requirement: an app for scanning the QR code is installed on the device being connected.

Alternatively: the device being connected has an integrated QR code scanner (see the manufacturer's operating instructions).

- Scan the QR code shown.

  The WLAN connection is established.

**CONNECTING USING A SECURITY KEY**

- Select the vehicle from the device to be connected. The vehicle is displayed with the MBUX XXXXX network name.
- Enter the security key which is shown in the central display on the device to be connected.
- Confirm the entry.

**GENERATING A NEW SECURITY KEY**

- Select the Generate New Security Key option in the MBUX Hotspot menu.
- Confirm the prompt with Yes.

  A new security key is generated.

A connection will be established with the newly created security key.

When a new security key is generated, all existing Wi-Fi connections are then disconnected. If the Wi-Fi connections are re-established, enter the new security key.

## Game controller

**CONNECTING A GAME CONTROLLER VIA BLUETOOTH®**

**WARNING**
Risk of injury from using the game controller during the journey

If you use the game controller improperly during the journey, you could injure yourself in an accident.

Observe the following points when using the device during the journey:

- The driver of the vehicle must not use the game controller while driving.
- Only use the game controller for gaming on the front passenger display during the journey.
- Hold the game controller as low as possible on your lap. In the event of an accident, the game controller can be caught by the air bag and cause injuries.
- Do not use the hand straps of the game controller during the journey.

**Requirements:**

- Bluetooth® is switched on in the multimedia system and the game controller (⟶ page 538).

- The game controller uses the latest supported firmware (see operating instructions of the respective manufacturer).
- MBUX uses the latest software version (⟶ page 544).

Multimedia system:

Settings Apps Controller Settings

- ▶ Select Add New Controller.
- ▶ Set the game controller to pairing mode (see the operating instructions of the respective manufacturer).
- ▶ Select Bluetooth Controller .
- ▶ Select a game controller.
  A message confirming the successful connection appears.

Two game controllers can be connected simultaneously in the central display.

ⓘ In order to obtain a full list of compatible game controllers, please contact Mercedes-Benz Support.

**DISCONNECTING A GAME CONTROLLER**

Multimedia system:

Settings Apps Game controller settings Show available controllers

- ▶ Select the game controller.
- ▶ Tap on .
- ▶ Confirm the Remove device from MBUX? with Yes.
  The game controller is then removed from the system.

**CONNECTING VIA THE GAME CONTROLLER APP**

**Requirements:**

- Your smartphone's operating system is using the latest software (see the operating instructions of the respective manufacturer).
- The "MBUX Gamepad" app is installed on your smartphone.
- Wi-Fi is switched on in the multimedia system (⟶ page 539).
- MBUX uses the latest software version (⟶ page 544).

Multimedia system:

Settings Apps Controller Settings

- ▶ Select Add New Controller.
- ▶ Select MBUX Gamepad .
  A QR code appears on the homescreen.
- ▶ Open the "MBUX Gamepad" app on your smartphone.
- ▶ Scan the QR code with your "MBUX Gamepad" app.
  The Connection Successful – <Mobile phone> message is displayed.
- ▶ Rotate your smartphone and hold it with both hands.
  You can now use the MBUX Gamepad app as a game controller.

Up to 25 smartphones with the MBUX Gamepad app can be connected simultaneously as game controllers.

**DISCONNECTING THE GAME CONTROLLER APP**
Multimedia system:
Settings » Apps » Game controller settings » Show available controllers

- Select the game controller.
- Tap on .
- Confirm the Remove device from MBUX? with Yes.
  The game controller is then removed from the system.

# System language

**NOTES ON THE SYSTEM LANGUAGE**
This function allows you to determine the language for the menus and navigation announcements. The selected language affects the characters available for entry. The navigation announcements are not available in all languages. If a language is not available, the navigation announcements will be in English.

**SETTING THE LANGUAGE**
Multimedia system:
Settings » System » Language

**SETTING THE SYSTEM LANGUAGE**
A list of the available system languages is shown.

- Select a language.
  The system language is switched to the selected language.

# Setting the distance unit

Multimedia system:
Settings » System » Display

This function is not available in all countries.

- Select a unit for the distance.
- Activate Additional Speedometer for an additional display in the driver display.

# Activating/deactivating system PIN protection

Multimedia system:
Settings » System » Data Protection » PIN Protection

**SETTING THE SYSTEM PIN**
- Select Set PIN.
- Enter a four-digit system PIN.
- Enter the four-digit system PIN again.
  If both system PINs match, then the system PIN protection is active.

**CHANGING THE SYSTEM PIN**
- Select Change Settings.
- Enter the current system PIN.
- Select Change PIN.
- Set a new system PIN.

**SWITCHING SYSTEM PIN PROTECTION FOR SOFTWARE UPDATES ON OR OFF**

- Select Protect Software Updates.
- Activate or deactivate the function.

## Configuring suggestions

Multimedia system:

Settings » System » Suggestions

- Activate or deactivate Learning & Suggestions.

  If the user profile is active and the function is switched on, personalized suggestions can be derived for activated applications.

- Select .
- Switch the options on or off individually.

  If an option is switched on and sufficient data has been gathered, personalized suggestions based on your user behavior will be offered to you. These are, for example, navigation destinations visited, phone numbers dialed as well as suggestions based on your music preferences.

  Navigation

  When Allow Destination Suggestions is switched on, the vehicle makes suggestions based on your visited navigation destinations.

  If Commuter Route is switched on, the navigation automatically detects that the vehicle is on a commuter route.

  Calls & Messages

  Suggestions are offered for numbers dialed and messages sent.

  Comfort

  The vehicle makes suggestions based on the use of your comfort functions, e.g. which massage program should be started when.

  Entertainment

  Suggestions are offered for the currently played media source. Suggestions are also made for online digital services, e.g. Spotify, TuneIn Radio and streaming services, as well as for categories, e.g. genre, artist and mood.

  Climate Control

  The suggestions for quick temperature adjustment in the vehicle are displayed.

  Vehicle

  The suggestions for vehicle functions are displayed, e.g. for Parking Assist PARKTRONIC and for opening the trunk.

  Online Voice Services

  The suggestions are made available online based on your voice input and are offered on the zero layer.

ⓘ The suggestions offered depend on the equipment.

## Deleting collected suggestions

Multimedia system:

Settings » System » Suggestions

- Select .
- Select Yes.

  The suggestions are reset.

# Software update

**INFORMATION ON SOFTWARE UPDATES**

Software updates keep your vehicle and the related systems up-to-date and prevent security flaws.

Software updates are available for vehicle components such as control units, convenience systems, locking and safety systems, driver assistance systems, suspension and drive systems as well as for the MBUX multimedia system. Software updates are available via the communication module or a Wi-Fi connection to an external hotspot.

The navigation maps are also updated via updates from external storage media (e.g. USB flash drive).

Install available software updates regularly. Otherwise the security of your MBUX multimedia system and individual vehicle components cannot be ensured.

ⓘ Software updates can be protected with a system PIN. Further information about the system PIN (⟶ page 542).

Further information about software updates can be found at https://me.secure.mercedes-benz.com.

**CARRYING OUT SOFTWARE UPDATES**

**Requirements:**

**FOR SOFTWARE UPDATES VIA THE COMMUNICATION MODULE AND WI-FI:**

- Your vehicle is linked to a Mercedes-Benz user account (⟶ page 628).
- Software updates without Mercedes-Benz user account: the Allow Software Updates option in the Software Update menu is activated.
- For software updates via the communication module: an Internet connection exists via the communication module (⟶ page 636).
- For software updates via Wi-Fi: a connection to an external Wi-Fi hotspot exists (⟶ page 637).

ⓘ Depending on the software update, this is started via the communication module, Wi-Fi or an external storage medium.

ⓘ Online software updates cannot be performed via external Wi-Fi hotspots that are encrypted via TKIP.

ⓘ If the Wi-Fi hotspot requires logging in via the browser, once the connection is successfully established the browser will open in order to start the update. To start the download follow the instructions in the browser.

Multimedia system:

Settings » System » Software Update »

**STARTING A MAP UPDATE FROM AN EXTERNAL STORAGE MEDIUM**

- ▶ Connect the storage medium with the vehicle via a media interface.

  A message about an available map update appears on the central display.
- ▶ Select the message.

- Select Start.
  The map update is started.

**STARTING THE SOFTWARE UPDATE VIA THE COMMUNICATION MODULE**
If the Automatic Online Update option is active, available software updates are downloaded and installed automatically. Activate the option in order to always keep your vehicle up-to-date and avoid security flaws.

- Select Automatic Online Update.
  The software update is downloaded and installed automatically.

If the option is deactivated, you will be informed of new software updates once. The updates are available for downloading for a limited period of time.

- Select an update from the list of available updates.
- Start the update.
  The software update is downloaded and installed automatically.

**STARTING A SOFTWARE UPDATE VIA WI-FI**
Some software updates require an additional connection to a Wi-Fi hotspot. The connection to an external hotspot can be established when the software update is started.

- Select an update from the list of available updates.
- Start the update.
- Establish the connection to a Wi-Fi hotspot.
  The update is downloaded and installed automatically.

**For software updates requiring a safe vehicle status:** when the last installation step is reached, a message appears on the central display after the vehicle is switched off. Follow the step-by-step instructions on the central display to complete the installation.

There are software updates that can only be installed when the vehicle is safely parked, there are no more people in the vehicle and the vehicle is locked.

**INSTALLING SOFTWARE UPDATES**
Software updates are installed automatically after they are downloaded. As soon as the software update has been completed, a message appears in the central display. It may be necessary to restart the MBUX multimedia system.

Some software updates require a safe vehicle status for the installation to be completed. They can only be carried out in a safely parked vehicle with the vehicle switched off. If this is necessary, a message appears on the central display after the vehicle is switched off.

- Follow the instructions on the central display.

For some software updates, you can set a time for installation. The installation is carried out automatically at the scheduled time. You do not need to be in the vehicle during installation. Note that the planned installation is canceled as soon as the vehicle door is opened.

If an installation is available where you can set the time, a message appears on the central display after the vehicle is switched off.

- Follow the instructions on the central display.

The vehicle cannot be used while these software updates are being installed. Make sure that no persons or animals are in the path of your vehicle. Events stored in the vehicle's control units can be overwritten.

**AVAILABILITY OF THE DRIVER AND CENTRAL DISPLAY**
During the installation of software updates, it is not possible to use the vehicle, driver display and central display.

In rare cases, an error can occur during the installation. The multimedia system automatically attempts to restore the previous version.

If it is not possible to roll back to the previous version, a malfunction message will be shown every time the vehicle is started.

**FAILURE OF THE DRIVER DISPLAY:**
If the driver display fails or there is a malfunction, you may not recognize limitations in the functions of systems relevant to safety or the speed display, for example. This may impair the operating safety of the vehicle. Park the vehicle safely as soon as possible and notify a qualified specialist workshop (⟶ page 863).

Further information on software updates can be found at https://me.secure.mercedes-benz.com

**FAILURE OF THE CENTRAL DISPLAY:**
If the central display fails or the malfunction message is displayed continuously, some systems, such as the rear view camera, PARKTRONIC or climate control, are no longer available. Drive on carefully and consult a specialist workshop as soon as possible.

**FRONT PASSENGER DISPLAY FAILURE (ONLY VEHICLES WITH MBUX SUPERSCREEN):**
If the front passenger display has failed or the malfunction message appears continuously, functions and systems are no longer available on the front passenger display. Visit a qualified specialist workshop.

# Resetting the multimedia system (reset function)

**WARNING**
Risk of accident due to failure of central display functions

While the multimedia system is reset, its functions, such as the rear view camera, are not available.

► Only reset the multimedia system when the vehicle is stationary.

**Requirements:**

- The vehicle is switched on.
- Some settings can only be reset when the vehicle is stationary.

Multimedia system:
Settings » System » Reset

**WHEN RESETTING THE SYSTEM, PERSONAL DATA AND SETTINGS ARE DELETED, FOR EXAMPLE:**

- Connected devices
- Individual user profiles
- Biometric data

The data used and saved in the multimedia system by the driver assistance systems is deleted.

- Select Reset.
  A query appears asking if the system should really be reset.
- Select Yes.
  The multimedia system is reset to the factory settings. The multimedia system is restarted after the system reset.

Due to data protection and the function of individual driving and driving safety systems, it is necessary to carry out a complete system reset before selling or transferring the vehicle to third parties or after using a rental vehicle. Make sure that all relevant data is deleted after the system reset.

# AMG TRACK PACE

## Function of AMG TRACK PACE

ⓘ This function is a Digital Extra (⟶ page 107).

With AMG TRACK PACE, the driving characteristics on race tracks can be analyzed and optimized. You can drive on previously saved race tracks (e.g.,Hockenheimring), or record and save new tracks. The driven lap times are stored for every track. These can be analyzed and compared to other lap times to achieve the best possible race results. Acceleration and braking procedures can also be measured and stored.

**Note:** Only use AMG TRACK PACE on closed-off tracks not on public roads. Adapt your driving style to your personal performance and environmental conditions. As the driver, you are solely responsible for driving your vehicle. Park your vehicle safely before using the application.

## Setting Track Race

Multimedia system:

TRACK PACE ▶▶ Track Race

**RECORDING A NEW TRACK**

- Select New Track .
- At the desired starting point, select ▶ Start recording.
  The track recording starts at this point.

During track recording, sectors can be set to subdivide the track.

- Select Set sector.
- To finish track recording, select ■ Stop recording or cross the starting line again.
- Confirm the prompt with Yes.
- Select the weather.

ⓘ The temperature is determined automatically.

- Enter a name.
- Press OK to confirm.
  The track is saved under the name entered.

**SEARCHING BY TRACK NAME**

- Select Search .
- Enter the track name.
  Tracks with the searched name are displayed.

**MEASURING THE TIME ON THE SAVED TRACK**

- ▶ Select All tracks.
- ▶ Select the desired track.
- ▶ Select ●●●.
- ▶ If you are already at the starting line, select Start Time Recording.

or

- ▶ Select Navigate to to be navigated to the starting line.

Timekeeping begins automatically when the starting line has been crossed.

ⓘ Selecting AR enables you to switch to the AR view of the track.
Selecting also allows you to switch to the telemetry display.

- ▶ To end the timekeeping, select End timekeeping.
- ▶ Confirm the prompt with OK.
- ▶ Select the weather.
- ▶ Select Yes to save the times recorded for this track.

**SHOWING DISPLAYS DURING TRACK RACE**

**THE FOLLOWING DISPLAYS CAN BE SHOWN:**

- Tire temperature
- Miniature map
- Sector overview
- Engine data
- G-force display
- Lap overview

- ▶ Select Start Time Recording .
- ▶ Select ▬▬.
- ▶ Drag the desired display from the grid to the left or right edge of the central display.
  The displays are shown during Track Race.

Selecting × on the active display deactivates these displays.

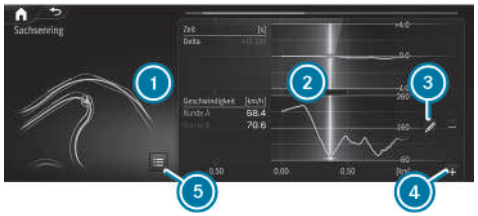
**DISPLAYING THE ANALYSIS**

- ▶ Select All tracks.
  An overview of all the driven tracks appears.
- ▶ Select a track.
- ▶ Select a session.

  **THE FOLLOWING DATA ARE DISPLAYED:**

  - Lap and sector times
  - Average and maximum permissible speed
  - Driver
  - Vehicle
  - Date
  - Weather
- ▶ Select Add Recording to use another session for comparison.
- ▶ Select ⮌ to return to the overview.
- ▶ Select Diagram.

- ► Set the desired parameters.
  The analysis is displayed.




1. Lap overview
2. Parameter overview
3. Edits parameters
4. Adds a new parameter
5. Deletes parameters

**THE FOLLOWING VALUES CAN BE SET FOR PARAMETERS,FOR EXAMPLE:**

- Speed
- Longitudinal/lateral acceleration
- Steering angle
- Engine speed
- Engine oil/tire temperature

Based on the analysis, you can check and optimize driving characteristics for any position on the track.

**EXPORTING TRACKS (USB)**

- ► Select Tracks .
  An overview of all saved tracks appears.
- ► Select the desired track.
- ► Select options ••• of the desired track.
- ► Select Export Track to....
  The selected track can be exported to a USB storage device connected to the vehicle.

**EDITING TRACKS AND RECORDINGS**

- ► Select Tracks .
- ► Select the desired track.
- ► Select options ••• of the desired track.
- ► Select Rename or Delete.

or

- ► Select a track.
- ► Highlight the desired recording.
- ► Select ••• options.
- ► Select Export to... or Delete .

# Setting Drag Race

Multimedia system:

TRACK PACE » Drag Race

**MEASURING ACCELERATION**

- Select Drag Race Options.
- Select Acceleration.
- Set a starting speed or select Automatic.
  Measurement begins as soon as the specified starting speed is reached.
- Set a target speed.
  Measurement stops as soon as the specified target speed is reached.
- Set off and begin the measurement.
  Measurement begins when the vehicle accelerates.

Measurement can be stopped early by interrupting the acceleration procedure.

**QUARTER MILE RACE**

- Select Drag Race Options.
- Select Quarter Mile.
- Set a target distance.
  Measurement stops as soon as the specified target distance is reached.
- Set off and begin the measurement.
  Measurement begins when the vehicle accelerates. The timer runs until the target distance or a maximum of one mile has been traveled.

Measurement can be stopped early by interrupting the acceleration procedure.

**MEASURING BRAKING**

- Drag Race Options
- Select Braking.
- Set a starting speed or select Automatic.
- Set off and begin the measurement.
- Brake to a stop.
  Measurement is carried out in increments of 6 mph (10 km/h) until the vehicle comes to a stop. If the braking procedure is started e.g.,at a speed of 98 mph (157 km/h), measurement starts as soon as 93 mph (150 km/h ) has been reached.

**STORING AND CALLING UP MEASUREMENT VALUES**

If a measurement is completed or canceled, a prompt appears asking whether the measurement should be saved.

- Confirm the prompt with OK to save.

**CALLING UP SAVED MEASUREMENTS**

- Select History.
- Select Acceleration, Quarter Mile or Braking.
- Select a measurement.
  The desired measurement is displayed in detail.

or

- Delete a measurement.

# Calling up the telemetry display

Multimedia system:

TRACK PACE » Telemetry

The telemetry display shows current vehicle data as a digital value and as a diagram. Up to four parameters can be selected that are to be shown in the display.

**FOR EXAMPLE:**

- Engine speed
- Wheel angle
- Speed
- Steering angle

- ► Set the desired parameters.
- ► Set the time period.
  The set parameters are evaluated in the diagram for the time period set.

# Configuring AMG TRACK PACE

**Requirements:**

**To connect a mobile device to the Stories App:**

- The Mercedes-Benz Stories App is installed on the mobile device.
- The mobile device is connected to the multimedia system via Wi-Fi (⟶ page 539).

Multimedia system:

Stories App »

**CONNECTING A MOBILE DEVICE VIA THE MERCEDES-BENZ STORIES APP**

Using the Mercedes-Benz Stories App, you can record videos and synchronize them with recorded tracks.

- ► Select Stories App.
- ► Select Authorize a New Device.
- ► Start the Mercedes-Benz Stories App on the device to be connected.
- ► Select Connect to vehicle.
- ► Use the mobile device to scan the QR code shown on the central display.
  The device is authorized.

**DE-AUTHORIZING THE MOBILE DEVICE**

- ► Select Stories App.
- ► Select a device.
- ► Confirm the prompt with Yes.
  The device is de-authorized.

**SETTING THE TRACK PACE READOUT ON THE HEAD-UP DISPLAY AND DRIVER DISPLAY**

- ► Select IC and HUD Contents.
- ► Activate or deactivate the desired contents.
  The content on the head-up display and driver display is adjusted.

ⓘ Further information on the head-up display (⟶ page 483).

Further information on the driver display (⟶ page 465).

**SETTING ACOUSTIC FEEDBACK**

- Select Acoustic Feedback.
  A scale with values from 0 to 10 is shown.
- Select a setting.

**SHOWING STATISTICS**

- Select TRACK PACE Statistics.
  Statistics on the current user profile are displayed.
  **THE FOLLOWING DATA IS DISPLAYED:**
  - Driving time
  - Track covered
  - Tracks recorded
  - Track Races recorded
  - Laps recorded
  - Drag Races recorded
  - Maximum speed

**ACTIVATING THE AMBIENT LIGHTING**

If this function is active, the vehicle interior is lit in red or green depending on the delta time.

- Select Ambient Light.
- Activate or deactivate the function.

**SETTING THE DASHCAM**

If the vehicle is equipped with a dashcam, it can be used in AMG TRACK PACE.

- Select Dashcam.
- Select Track Race or Drag Race and activate Activate Recording.
- You can set which overlay is to be used in the recorded video under Video Overlay Content.

# Plug-in hybrid settings

## Configuring the charging settings

Multimedia system:

Hybrid Charging

**SETTING THE CHARGING PROGRAM**

- Select Home, Work or Standard.

**OPENING THE SOCKET FLAP IN THE MMS**

- Press Open Socket Flap to open the socket flap.
- The charging process can be interrupted using Cancel Charging. The charging process is ended and the charging cable is unlocked.

Further notes on charging with alternating current: (→ page 366).

Further notes on charging with direct current: (→ page 371).

**UNLOCKING THE CHARGING CABLE (LEVEL 2 OR 3)**

When the function is active, the charging cable is unlocked when the maximum state of charge is reached.

- Select Home or Work.
- Activate or deactivate Unlock Charging Cable.

**ACTIVATING OR DEACTIVATING LOCATION-BASED CHARGING**

- Select Charging Program, Home or Charging Program, Work.
- Activate or deactivate Select Based on Location.

When the function is activated, the vehicle's current position is saved as one of the selected options. When arriving at this address again, a brief prompt appears as to whether the respective charging program should be selected.

**ACTIVATING OR DEACTIVATING QUICK CHARGING (DC CHARGING)**

- Activate or deactivate the function Fast Charging.

The Fast Charging function increases the maximum possible charging power at charging stations to up to 60 kW in order to charge the vehicle's high-voltage battery faster. After the charging process is complete, the charging power in the "Standard" charging program is again limited to 20 kW in order to protect the high-voltage battery.

**Mercedes-AMG vehicles:** the Fast Charging function is not available for Mercedes-AMG vehicles.

**SETTING THE DEPARTURE TIME**

The set departure times are used for the vehicle's pre-entry climate control function and for predictions regarding the approximate state of charge and range at the time selected. The start of the charging process is optimally timed for the next departure time (up to 90% of the state of charge is charged immediately and may be followed by a charging break), when fast charging is deactivated. When fast charging is activated, the charging process starts immediately, irrespective of the next departure time.

► Select Next Departure Time.

**THE FOLLOWING CHARGING TIMES CAN BE SELECTED:**

- Individual charging times
- a Week Profile

**SETTING AN INDIVIDUAL DEPARTURE TIME**

► Select Add New Time and set the time.

or

► Select [✎] and adjust an existing departure time.

**SETTING REPEAT DAYS**

► Select Add New Time and set the time.

► Mark the relevant weekdays for which the departure time will apply and confirm with [OK].

or

► Select [✎] and edit existing repeat days.

**SETTING THE CHARGING BREAKS (AC CHARGING)**

Up to four breaks in the charging process can be set during which the vehicle is not charged, even if it is connected to a charging station.

► Select Charging Pauses.

► Select Add New Time and then set and save the times for the beginning and end of the break.

► Activate or deactivate the charging breaks that have been set.

Set charging breaks can be edited with the [✎] button or deleted with the [🗑] button.

**Mercedes-AMG vehicles:** you cannot set charging breaks for Mercedes-AMG vehicles.

**CHARGING POWER**

► Select [ⓘ].

The reasons for a reduction in the current charging power are displayed.

**THE FOLLOWING INFLUENCES CAN LEAD TO A REDUCTION IN THE MAXIMUM CHARGING POWER:**

- Inadequate battery temperature
- State of charge (SOC)
- Charging station with reduced charging power
- Charging system
- Charge control

Additional values for the current charging power and the maximum available charging power are available under Charging Power Arriving at Battery.

**SETTING THE MAXIMUM STATE OF CHARGE**

► Select Maximum Charge Level.

► Set the desired percentage.

The high-voltage battery is charged up to the set percentage as a maximum.

ⓘ The percentage can be set between 50% and 100% in increments of 10%.

As soon as the maximum state of charge is reached, a notification is shown on the central display that the charging process is complete and the journey may be continued.

## Overview of the energy flow display in the multimedia system

The active components of the hybrid system are highlighted brightly on the energy flow display. The energy flow between the individual components is shown in color.

**THE COMPONENTS DISPLAYED ARE:**

- State of charge for the high-voltage battery
- Combustion engine
- Energy flow
- High-voltage battery

**THE ENERGY FLOW ARE SHOWN IN DIFFERENT COLORS ACCORDING TO OPERATING STATUS:**

- **White:** constant energy flow
- **Red:** high energy flow (boost effect)
- **Green:** low-emission energy flow for recuperation, electric mode and charging the high-voltage battery

## Calling up the energy flow display

Multimedia system:

Info

▶ Select Energy Flow.

The energy flow in the vehicle will be displayed.

Information on the status of the hybrid system and the current state of charge for the high-voltage battery will be displayed in addition to the energy flow.

# Install & Healthy

## Setting ENERGIZING seat kinetics

**Requirements:**

ⓘ These functions are only available for seats with a memory function.

Multimedia system:

Comfort Seat

- Select Seat Kinetics.

ENERGIZING seat kinetics can support back health by changing the seat position during a journey. This involves repeatedly stressing and relieving the muscles and joints through minor movements of the cushion and backrest.

**STARTING SEAT KINETICS**

- Select ▶ for the desired seat.

  The program will run for the set duration.

**CONFIGURING SEAT KINETICS**

- Select ⚙ for the desired seat.
- Select Backrest or Seat Surface.
- Select the desired duration for the selected seat.

**Vehicles with multicontour seats:**

In addition to the seat backrest and seat cushion, the lumbar region can be activated for the function.

- Activate or deactivate Including Lumbar.

## ENERGIZING COMFORT

**OVERVIEW OF ENERGIZING COMFORT PROGRAM**

You can watch an animation on this topic via the following link:

ⓘ Note that the available program and the associated functions depend on your vehicle equipment. Depending on your equipment, fewer functions may be available.

**PROGRAM OVERVIEW**

- Freshness: Can have a refreshing effect with short, cool puffs of air. The seat is ventilated, the vehicle interior is illuminated with cool colors and the program is completed with appropriate sound. In addition, the vibration massage in the cushions can loosen your muscles.
- Warmth: Can increase the comfort level of the vehicle occupants. Seat, surface and steering wheel heater provide soothing warmth. The program is completed with unobtrusive sound and warm colors.
- Vitality: Can counteract diminishing attentiveness in monotonous driving situations. The activating stimulation of the vehicle occupants is carried out with invigorating sound, activating light and a vitalising massage.

- Joy: Can promote a positive mood in the vehicle occupants as well as mental regeneration. This results from the activation of a massage program, friendly sound and illumination with suitable colors.
- Well-being: Can help relax the vehicle occupants. This is achieved through a relaxing massage, friendly light and calming sound.
- Forest Glade: Can have a calming and soothing effect on the vehicle occupants thanks to the acoustics of the forest. The ambience is supported with a suitable animation, colors, sound and other vehicle functions, such as a massage program.
- Sea Sounds: Can help calm the vehicle occupants. The acoustics of wave sounds and seagulls in combination with other vehicle functions, such as a massage program, create a relaxing seashore atmosphere.
- Summer Rain: Can help relax the vehicle occupants. The relaxing effect of a rain shower can be experienced via acoustics and other vehicle functions, such as a massage program, inside the vehicle.
- Anti-Motion Sickness (only front passenger): Can help to prevent, mitigate or delay symptoms of travel sickness. The light, sound and animation are adapted accordingly. The air conditioning system and the seat cushion are actively targeted. The effect can be enhanced by manually tilting the backrest back slightly. At the end of the program, the seat cushion and the seat backrest are automatically returned to their original position.
- Power Nap: The program consists of three phases.
  - Falling asleep phase: here relaxing music is played.
  - Sleeping phase: the active functions are deactivated or restricted as much as possible.
  - Waking phase: here slightly stimulating music is played. Additionally, functions such as seat ventilation and a massage are activated.
- Golfing Focus: Contains spoken instructions to help you prepare for an upcoming golf game.

Most program that have been started for one seat can also be transferred simultaneously to another seat.

**STARTING THE ENERGIZING COMFORT PROGRAM**

⚠ **WARNING**
Risk of entrapment when using the ENERGIZING COMFORT program Power Nap

With the Power Nap ENERGIZING COMFORT program the following systems are moved automatically if required:

- Seats
- Side windows
- Sliding sunroof
- Roller sunblinds

This can cause you or another vehicle occupant to be trapped.

► Make sure that there is sufficient space behind the front seats.

► Make sure that no body parts are in the areas of movement.

**WARNING**
Increased risk of injury in the event of an accident when using the ENERGIZING COMFORT program Anti-Motion Sickness for the front passenger as a result of an incorrect seat position

The Anti-Motion Sickness program is only available for the front passenger. If the seat position is not adjusted correctly, there is an increased risk of injury in the event of an accident.

- ► When adjusting the seat backrest to a slightly flatter position, always maintain an upright sitting posture. Never adopt a reclined position while driving.
- ► Always ensure that the belt is routed correctly, especially in the shoulder and hip regions. Observe the notes on the protection potential of the restraint systems and the correct belt installation in these operating instructions.
- ► If necessary, correct the seat adjustment (longitudinal adjustment, seat backrest inclination). If in doubt, do not adopt a flatter backrest angle.
- ► Vehicle occupants are always responsible for the seat position and seat belt routing.

**WARNING**
Increased risk of injury in the event of an accident when using the ENERGIZING COMFORT program Anti-Motion Sickness for front passengers in conjunction with a child restraint system

The Anti-Motion Sickness program is only available for the front passenger. If the program is incorrectly used in conjunction with child seats and booster seats, there is an increased risk of injury in the event of an accident.

- ► Ensure that no child seats or booster seats are installed on the front passenger seat.
- ► The program must not be used when a child restraint system is in use on the front passenger seat.

**Requirements:**

- The vehicle is switched on.

**FOR THE START OF POWER NAP:**

- Only the power supply is on.
- The doors are closed.
- The vehicle is secured against rolling away.
- The state of charge of the high-voltage battery is sufficient for the use of the auxiliary climate control.

Multimedia system:

Comfort ENERGIZING COMFORT

**STARTING AND STOPPING A PROGRAM**

- Select a program.
- **To start the program:** select ▶ for the desired seat.
- **To stop the program:** select ■.

ⓘ If, during an active program, a function requirement is no longer met, a corresponding message appears. The active program is canceled.

ⓘ Further information on occupant safety in connection with the anti-travel sickness program (⟶ page 134)

**STARTING A POWER NAP**

- Select Power Nap.
- Select ▶ for the desired seat.

**WHEN THE VEHICLE IS STATIONARY, THE FOLLOWING ACTIONS ARE CARRIED OUT WHEN POWER NAP IS STARTED:**

- The roller sunblinds are extended.
- The doors are locked.
- The seats are moved into the fully reclined position.
- The parking brake is applied.

- **To stop the program:** select ■.

# ENERGIZING apps

**FUNCTIONS OF THE ENERGIZING APP**

**FUNCTION OF THE ENERGIZING COACH**

**REQUIREMENTS FOR USE OF THE ENERGIZING COACH**

- The ENERGIZING COACH service is activated in the Mercedes-Benz Portal or the Mercedes-Benz App.
- The Mercedes-Benz ENERGIZING app is installed on the mobile phone to use the service.

With ENERGIZING COACH you can evaluate the driving and driver situation. Depending on the situation, it offers recommendations for the start of an appropriate ENERGIZING COMFORT program.

**THE FOLLOWING PROGRAM COULD BE SUGGESTED:**

- Vitality

  As an activating program in monotonous driving situations or for long journey times, for example
- Joy

  As a balancing program in demanding driving situations
- Refresh

  As a refreshing program when temperatures rise
- Warmth

  As a warming program when temperatures drop

By connecting a Garmin fitness tracker, for example the Garmin vívoactive® 3, additional information can be entered into the evaluation for the recommendation of an ENERGIZING COMFORT program. The additional information

includes the stress level, that is calculated by the fitness tracker. The stress level is based primarily on the pulse rate.

**REQUIREMENTS FOR THE INTEGRATION OF ADDITIONAL INFORMATION VIA A GARMIN FITNESS TRACKER:**

- Your fitness tracker is connected with your Garmin account.
- Your Garmin account is linked to your Mercedes-Benz user account.

If you wear your Garmin fitness tracker at night also, the sleep data is included in the evaluation of the ENERGIZING COACH.

**REQUIREMENT FOR THE INTEGRATION OF THE SLEEP DATA:**

- The Garmin fitness tracker is synchronized with the Garmin account before the beginning of the journey.

ⓘ If ATTENTION ASSIST determines an excessive lack of attention, ENERGIZING COACH makes no further suggestions. Further information about ATTENTION ASSIST (⟶ page 401).

**CALLING UP THE ENERGIZING COACH DISPLAY**

**Requirements:**

- The fitness tracker is connected with your Garmin account.
- Your Garmin account is connected with your Mercedes-Benz user account in the Mercedes-Benz ENERGIZING app.
- The mobile phone is connected to the multimedia system (⟶ page 607).
- You are logged in with your Mercedes-Benz user account both in the vehicle and in the Mercedes-Benz ENERGIZING app.

Multimedia system:




**CALLING UP THE ENERGIZING COACH**

- Your current pulse as well as an evaluation of your pulse for the last 30 minutes driving time are shown.

  A corresponding malfunction message is shown if there is no mobile phone connected or no pulse can be sent to the system for an extended period.

ⓘ Only pulse values in the range of 30 - 140 (possibly 150) bpm are shown on the central display. The pulse values have no medical validity but are only informative in nature and are therefore also not required to be accurate.

**CONNECTING A NEW DEVICE**

- Select ⚙.
- Select Device Selection.

  A list of connected mobile devices will be shown.
- Select the desired device from the list.

# Navigation and traffic

## Switching navigation on

Multimedia system:

→ [⌂]

► Alternatively, press the [⌂] button on the steering wheel on the right (→ page 514).

The zero layer with the digital map is displayed.

## Calling up the navigation module in the expanded view

Multimedia system:

→ [⌂] » Navigation

ⓘ Navigation means: tap on navigation module ① on the zero layer (→ page 562).

The navigation module is called up in the expanded view and shows the route overview with additional functions.

► Select one of the functions (→ page 574).

**THE FOLLOWING FUNCTIONS ARE AVAILABLE, FOR EXAMPLE:**

- Switch the traffic information display on or off.
- Select Previous Destinations.
- Search for Gas Stations.
- Search for Parking Spaces.
- Select Alternative Routes.
- Enter a destination with [🔍].
- Make settings for View, Messages & Acoustic Signals and Route with [⚙].

## Navigation overview

**DIGITAL MAP**




① Navigation module (reduced view)

Route guidance active:

The navigation module shows the information relevant to the route in the zoomed-out view, e.g. the arrival time at the destination or a traffic delay

[⊗] Ends the current route guidance

Tapping opens the navigation module in the expanded view with the Route (⟶ page 574)

2 Enters a destination

3 Searches for a parking space

4 Sets map orientation and map type

5 Current vehicle position (vehicle symbol or arrow)

6 Display area with entertainment sources, phone, active applications and suggestions

7 Navigation window shows the next driving maneuver in the reduced view when route guidance is active or an enlarged view with a detailed display of the upcoming driving maneuver when approaching a driving maneuver, e.g. a map section, 3D images or lane recommendations

When route guidance is active, tapping on the navigation window opens the route monitor, which shows information for the entire route, e.g. upcoming driving maneuvers, destinations, freeway exits or rest areas with points of interest

Switches off navigation announcements

Switches on navigation announcements

**PRESSING 4 SEVERAL TIMES CHANGES THE MAP ORIENTATION IN THIS ORDER:**

- 2D and to the north
- 2D and in the direction of travel
- 3D and in the direction of travel
- Map with complete route

ⓘ If the map is moved, the map switches between 3D direction of travel and 2D north orientation.

# Destination entry

## NOTES ON DESTINATION ENTRY

**⚠ WARNING**

Risk of distraction from operating integrated communication equipment while the vehicle is in motion

If you operate communication equipment integrated in the vehicle when driving, you could be distracted from the traffic situation. This could also cause you to lose control of the vehicle.

► Only operate this equipment when the traffic situation permits.

► If you cannot be sure of this, stop the vehicle whilst paying attention to road and traffic conditions and operate the equipment with the vehicle stationary.

When operating the MBUX multimedia system, observe the legal regulations of the country in which you are currently located.

## ENTERING A POI OR ADDRESS

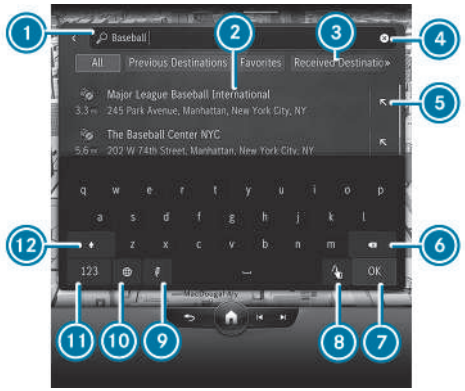
**Requirements:**

- **For the online search:**
  - There is an Internet connection.
  - Digital Extras are available.
  - You have created a Mercedes me ID.
  - The vehicle is linked to the Mercedes me ID and you have accepted the terms of use.
  - Further information can be found at: https://www.mercedes.me

- The Digital Extra is available.
- The Digital Extra has been activated at an authorized Mercedes-Benz Center.

ⓘ If Online Search is not available, the search is performed using the data of the digital map.

Multimedia system:




Example: entering a POI or address

1. Input line with current entry
2. Search result
3. Selects destination search, displays further destination searches with double arrow
4. Deletes an entry
5. Adopts the search result in the input line and continues the search
6. Deletes the last character entered
7. Hides the keypad
8. Switches to further entries
9. Starts the MBUX Voice Assistant (→ page 494)
10. Sets the written language
11. Switches to digits and special characters
12. Switches to upper-case or lower-case letters

► Enter a destination. The entries can be made in any order.
The search results are displayed in a list.

ⓘ Online search results for POIs may contain additional information, for example opening times and ratings. The information is provided by an online map service.
This online function is not available in all countries.

**THE FOLLOWING ENTRIES CAN BE MADE, FOR EXAMPLE IN 1:**

- City, street, house number or street, city
- Zip code
- POI name or POI category, e.g. Restaurants
- City, POI name
- Contact name
- Intersections in the following entry format: "road A" and "road B"
- Geo-coordinates (→ page 567)

► Hide the keyboard with OK.

► Select the destination in the list.
The following menu shows the selected destination with the address information and a corresponding map section.
The menu enables the route to be calculated.

## SELECTING A DESTINATION SUGGESTION

**Requirements:**

- The Allow Destination Suggestions option is switched on (⟶ page 543).
- The multimedia system has gathered sufficient data in order to show destination suggestions.

Multimedia system:



- ▶ Select Suggestions and accept a destination suggestion.

or

- ▶ Select a destination suggestion directly on the Zero Layer (⟶ page 507).
  The route is calculated in the following menu.

ⓘ If Suggestions has been selected, a menu is available via [•••]. The menu offers settings for the suggestions and memory functions.

ⓘ Managing destination suggestions (⟶ page 584).

## SELECTING PREVIOUS DESTINATIONS

Multimedia system:



- ▶ Select Previous Destinations.
- ▶ Select a destination.
  The following menu enables the route to be calculated.

ⓘ You can save a destination as a favorite (⟶ page 584).

## SELECTING A POI

**Requirements:**

- **For use of personal POIs:** a USB device is connected with the multimedia system.
- Personal POIs with the GPS Exchange format (.gpx) have been saved in the PersonalPOI folder on the USB device.

Multimedia system:



- ▶ Select POIs.
- ▶ Select one of the displayed quick-access categories, e.g. [P].
- ▶ Select the POI.
  The following menu enables the route to be calculated.

or

- ▶ Select All Categories or Personal POIs (see requirements).
- ▶ Select the category.
- ▶ Select the POI.
  The following menu enables the route to be calculated.

**SETTING A SEARCH FILTER AFTER SELECTING A POI CATEGORY**

**THE PRESET SEARCH POSITION DEPENDS ON THE STATUS OF THE ROUTE GUIDANCE:**

- If route guidance is not active, In the Vicinity is searched.
- If route guidance is active, Along the Route is searched.

- ▶ When the search results are displayed, select Filter.
- ▶ Select the search position, e.g. In the Vicinity.
- ▶ If a route with intermediate destinations already exists and Near Destination has been selected in the search filters, the destination is selected for the search.

or

- ▶ Select the desired traveling time to the point of interest.
- ▶ Select Search Results.

**CONFIGURING CATEGORIES FOR QUICK ACCESS**

**THE CATEGORIES ARE DISPLAYED:**

- As symbols after calling up the destination entry via [🔍]
- As a list after calling up All Categories

- ▶ In the POI menu, select All Categories.
- ▶ Select [☆] or [★] for a category.
  Tapping on [☆] adds the category.
  Tapping on [★] removes the category.
- ▶ Use [↩] to change back.
  The new categories are shown after the destination entry is called up the next time.

ⓘ If all available quick-access positions are full, select the category to be replaced.

**CHANGING THE ORDER OF QUICK-ACCESS CATEGORIES**

- ▶ In the POI menu, press and hold a category for quick access.
- ▶ Tap on the arrows next to the selected category.
  The arrows for the other categories are grayed out.
- ▶ Drag the category up or down.
- ▶ Select [✓].

**DELETING QUICK-ACCESS CATEGORIES**

- ▶ Select [★] for the chosen category.
- ▶ Select Delete.
- ▶ Select [✓].

**CHANGING CATEGORIES FOR PERSONAL POIS**

- ▶ Select Personal POIs.
- ▶ Press on a category as long as is necessary until a menu appears.
- ▶ Select Change name and enter a name.
- ▶ Select Change Icon and select a symbol.
- ▶ Select Delete and confirm the prompt with Yes.

## SELECTING A CONTACT FOR DESTINATION ENTRY

**Requirements**

- A mobile phone is connected to the multimedia system (⟶ page 607).
- The contacts from the mobile phone have been downloaded .
- The contact has a navigable address.
- The address data can be located on the digital map.

Multimedia system:



► Enter a contact in the entry line.

► Select the address.
The following menu allows you to calculate the route.

ⓘ Alternatively, after calling up the destination entry, you can enter the name of a contact in the search field.

## ENTERING GEO-COORDINATES

Multimedia system:



► Enter the geo-coordinates as latitude and longitude.

## EXAMPLES OF INPUT FORMATS:

- 47°58'11"N 7°57'25"E (degrees, minutes and seconds)
- 47.969722 7.956944 (decimal degrees)

► Confirm the entry.
The following menu enables the route to be calculated.

## SELECTING A DESTINATION ON THE MAP

Multimedia system:



► If necessary, move the map (⟶ page 590).

► Press and hold on the map.
Available destinations are displayed.

or

► Briefly press on a POI symbol.
The POI is selected. If there are several POIs at this map position, a list appears.

► Select the destination in the Selected Objects list.
The following menu enables the route to be calculated.

## SELECTING A DESTINATION FROM FAVORITES

**Requirements:**

- Destinations are saved as favorites.
Save a previous destination or a destination suggestion as a favorite (⟶ page 584).

Multimedia system:



► Select Favorites.

► Select a favorite.
The following menu enables the route to be calculated.

**ADDRESSES FOR HOME AND WORK ARE ALREADY SET**

- ► Select Home or Work.
  The route is calculated in the following menu.

**ADDRESSES FOR HOME AND WORK ARE NOT YET SET**

- ► Select Home or Work.
  The prompt No "Home" Address Available Set Address Now? appears, for example.
- ► Select Yes.
- ► Search for or select the address.
- ► Select Save.

**DELETING FAVORITES**

- ► Select [•••] for a favorite.
- ► Select Delete.

or

- ► Select Delete All.
- ► Confirm the prompt.
  When all the favorites have been deleted, Add Favorite is available, for example.

**SELECTING RECEIVED DESTINATIONS**

**Requirements:**

- There is an Internet connection for receiving external destinations.
- A destination has been sent to the vehicle.

Multimedia system:



The vehicle can receive destinations from Digital Extras. You will be informed when a destination is received.

- ► Select Received Destinations.
- ► Select a destination.
  The route is calculated in the following menu.

ⓘ You can save a received destination in the favorites (→ page 584).

**DELETING RECEIVED DESTINATIONS**

- ► Select [•••] for a destination.
- ► Select Delete or Delete All.
  The destination or all destinations are deleted.

# Route

**CALCULATING A ROUTE**

**Requirements:**

- **For online content and accessing a website:**
  - An active Internet connection is indicated in the status line on the central display with the [⇄] symbol.
  - The www button is available.
  - Online content and an Internet address are available for the destination.

This function is not available in all countries.

Using the web browser requires additional data volume (⟶ page 636).




Detailed display with a route (example)

1. Calls up alternative routes
2. Adds the chosen destination to the existing destinations as the next intermediate destination and recalculates the route
3. Calculates a new route to the chosen destination
4. Selects a point of interest in the vicinity of the destination
5. Address of the intermediate destination

After selection of 2 or 3, the route is recalculated.

► Select one of the options.

**CALLING UP ALTERNATIVE ROUTES**

► Select Routes.

► Select an alternative route.

**STARTING ROUTE GUIDANCE (THERE IS NO ROUTE YET)**

► Select Let's Go!.

**CALLING UP THE DETAILED DISPLAY WITH DESTINATION ADDRESS**

► Pull the bar above the Let's Go! symbol upwards.

Depending on the destination selection and availability, online content, for example ratings and weather information, is shown.

► **To share a destination:** select Share.

This option allows you to scan the displayed QR code.

► **To save a destination as a favorite:** select Favorite and then an option.

► **To call up an Internet address:** if an Internet address is available, select www.

► **To call the destination:** if a telephone number is available, select Call.

**SEARCHING FOR POIS IN THE VICINITY OF THE DESTINATION SHOWN**

► Select In The Vicinity.

► Search using categories, enter a search entry or search for a personal POI (⟶ page 565).

**ADDING AN INTERMEDIATE DESTINATION TO THE EXISTING ROUTE OR STARTING A NEW ROUTE GUIDANCE**

► Select Add.

The selected destination address is set as the next intermediate destination. Route guidance begins.

► **There are already four intermediate destinations:** confirm the prompt with Yes and select an intermediate destinations in the route overview

(→ page 574), that should be overwritten with the new intermediate destination.

or

► Select Replace.

The selected destination address is set as a new destination. Route guidance begins.

**PAYING FOR THE CHARGING PROCESS ON A ROUTE WITH MB.CHARGE PUBLIC (PLUG-IN HYBRID)**

**Requirements:**

- The MB.CHARGE Public Digital Extra is available and can be booked in the Mercedes-Benz Portal.
- The Digital Extras "Navigation with Electric Intelligence", "Charging Station Overlay" and "MB.CHARGE Public" are activated.
- **To select a charging station:** the Plan Charging Stops option is switched on in the multimedia system.
- **For authentication at the charging station:** after activation in the Mercedes-Benz Portal, you have concluded a charging contract with your payment details with the respective contractual partners.
- **For authentication using the app:** the Mercedes-Benz App is installed on the external device, e.g. tablet or smartphone.
- For charging stations without remote access, you have purchased an RFID card for the contracting partner.

Multimedia system:

Navigation

**OBSERVE THE FOLLOWING INFORMATION:**

- Read the notes on charging the high-voltage battery at the charging station (→ page 354).
- Read the notes on charging the high-voltage battery at the charging station (→ page 358) and (→ page 359).
- **Before selection of a charging station:** the data for the charging stations is based on the online content available from the respective third-party provider.
- Observe the local information and conditions.

With the Plug & Charge charging function of MB.CHARGE Public, you can charge the vehicle at public Plug & Charge-enabled charging stations. The charging process starts immediately when the charging cable is plugged into the charging station. No further authentication is required. Communication between the vehicle and the charging station takes place directly via the charging cable.
This charging function is not available in all countries.

► **To select a charging station:** tap on a symbol on the map for a charging station or on a group of symbols for several charging stations.

► If a group of symbols is selected, select the charging station from the list.

**THE FOLLOWING INFORMATION IS DISPLAYED (IF AVAILABLE):**

- Name of the charging station operator
- Address of the charging station
- Plug with availability and information about charging power
- Opening times
- Name of the charging station
- Travel time and distance of the charging station from the vehicle
- Authentication method
- Contact information of the charging station operator
- General costs and charging costs
- Estimated charging costs and your available energy volumes, if available
- Display of available reviews and the ability to review with up to five stars
- Availability prognosis
- Information on Green Charging

  Mercedes-Benz provides high-quality certificates of origin to ensure that an equivalent amount of electricity from renewable sources is fed into the grid for charging processes carried out via MB.CHARGE Public.

▶ Calculate the route (⟶ page 568).

ⓘ If the function is available, the start/stop of the charging process can be selected.

▶ **To access a charging station remotely (start/stop):** select a charging station in the map menu of the app or the MBUX multimedia system.

▶ Display the details using the widget (program symbol).

▶ Select Start charging process.

The charging process starts. In addition, the payment agreement saved with the third-party provider is authorized.

ⓘ Remote access is not available for some charging stations. In this case use your RFID card to activate the charging process (if available).

▶ If required, enter the PIN for personalization.

▶ Confirm the action.

▶ If required, select the plug ID from the list shown.

The selected charging cable connector is unlocked.

▶ Start the charging process.

The start of the charging process is shown.

▶ Select the Stop charging process display button in the app.

The charging process is ended.

Payment is processed automatically.

**IF DATA FOR THIRD-PARTY PROVIDERS IS AVAILABLE, YOU WILL RECEIVE THIS INFORMATION:**

- Overview of the charging process
- Estimated cost

ⓘ There may be differences between the costs listed and the costs billed.

**OVERVIEW OF THE RANGE DISPLAY SERVICE (PLUG-IN HYBRID)**

**REQUIREMENTS:**

- The fee-based Digital Extra "Range Display" is available and activated in the Mercedes-Benz Portal.
- The Range option is switched on (⟶ page 595).

The fuel range (purple) and the electric range (white) are shown on the map as a closed line around the current vehicle position.

**IN THE FOLLOWING CASES, THERE IS NO DISPLAY ON THE MAP:**

- The overall range is very large.
- If the fuel level is less than 10 %.
- If the electric range of the vehicle is less than 4 mi (6 km).

**SELECTING A ROUTE TYPE**

Multimedia system:

Navigation » Route

**USING TRAILER MODE AND ONLINE ROUTES**

The route is calculated as a fast route with a short journey time.

Trailer mode is available if a trailer has been coupled with the vehicle. If available, you can select online routes.

ⓘ Trailer mode and online routes are not available in all countries and for all vehicles.

► Select Trailer Mode.

A prompt is shown in the multimedia system.

► Confirm the prompt.

The arrival time at the destination takes into account a reduced driving speed with trailer.

► **To use online routes:** switch on the option.

**TAKING TRAFFIC INFORMATION FOR THE ROUTE INTO ACCOUNT**

► Select one of the options.

**EXPLANATION OF THE OPTIONS:**

- Automatic

  Traffic reports via Live Traffic Information are taken into account (⟶ page 584).

  If a new route with a shorter journey time is determined based on traffic reports, the current route is shown in blue and the new route in gray on the map. You can accept the new route by tapping on the gray line or keep the current route.
- Off

  No traffic reports are taken into account for the route.

**CALCULATING ALTERNATIVE ROUTES**

Multimedia system:

Navigation » View

► Activate Route Overview after Start.

Alternative routes are calculated for every route.

**SELECTING ROUTE OPTIONS**

Multimedia system:

Navigation » Route

**AVOIDING OR USING ROUTE SECTIONS, E.G. HIGHWAYS OR FERRIES**

► Activate or deactivate the avoid option.

**Avoid:** the option is activated. The route avoids highways, for example.

**Use:** the option is deactivated. The route takes highways into consideration, for example.

ⓘ The selected route options cannot always be taken into account. Therefore, a route may include a ferry, for instance, even though the Avoid Ferries avoid option is enabled. A message then appears and you will hear a corresponding message.

**AVOIDING OR USING TOLL ROADS**

The use of toll roads requires a usage fee (toll).

- ► Select Toll Roads [>].
- ► Activate or deactivate Avoid All.

  If the option is activated, the route avoids toll roads.

  If the option is deactivated, the route takes toll roads into account.

or

- ► Select an option for Cash or Card Payment or Electronic Billing.

  **Avoid:** the route avoids toll roads with the selected method of payment.

  **Use:** the route takes into account roads that require a toll corresponding with the payment type selected.

**USING CARPOOL LANES**

When using carpool lanes, observe the applicable legal requirements as well as any conditions pertaining to when and where such lanes may be used. Carpool lanes are only available under certain conditions.

Carpool lanes are not available in all countries.

- ► Select Carpool Lanes [>].
- ► Select one of the options.

**THE FOLLOWING OPTIONS ARE AVAILABLE:**

- Avoid

  If this option is selected, then no carpool lanes will be used for the route.
- 2 People
- At Least 3 People
- On Request

  When this option is selected and a carpool lane is available, a prompt appears. You can continue to use the current route or select a route with the carpool lane.

**AVOIDING AREAS**

- ► Select Avoid Areas [>] (→ page 592).

**SELECTING NOTIFICATIONS FOR THE ROUTE**

**Requirements:**

- **For an audible indication when approaching a personal POI:** the USB device contains personal POIs.
- The USB device is connected with the multimedia system.
- The category in which the personal POI belongs is activated.

Multimedia system:

→ [⌂] ▸▸ Navigation ▸▸ [⚙] ▸▸ Messages & Acoustic Signals

**SWITCHING NAVIGATION ANNOUNCEMENTS ON OR OFF**

- ► Activate Reduced Messages.

  If a driving instruction is available for a simple change in direction, you hear a brief announcement, e.g. "Turn right in 600 ft (200 m)". The number of driving instructions along the route is minimized.

► Activate Detailed Messages.

If a driving instruction is available and there is a complex driving situation, you hear supplementary information, e.g. "In 600 ft (200 m) turn right and continue to follow the major road". Additional driving instructions are issued for the route, for example on major roads with bends.

► Activate Announce Street Names.

The name of the street into which the vehicle should turn is announced.

ⓘ This option is not available in all countries and languages.

**SWITCHING TRAFFIC ANNOUNCEMENTS ON OR OFF**

► Activate or deactivate Announce Traffic Warnings.

If available, traffic warnings are announced, e.g. before the end of traffic jams that pose a risk.

**AUDIBLE INDICATION WHEN APPROACHING A PERSONAL POI**

► Select Personal POIs.

► Activate a category.

When approaching a personal POI in the selected category an audible indication will be issued.

**DISPLAYING A ROUTE OVERVIEW**

**Requirements:**

- A destination is entered.

Multimedia system:

→ Navigation




Example: route guidance is active

① Intermediate destination
② Destination
③ Searches for a gas station
④ Switches traffic information display on or off

When route guidance is active, the destination and entered intermediate destinations are shown.

Depending on the route, traffic situation and available data, further information can be displayed.

The route can include up to four intermediate destinations.

► If route guidance is not active, select Previous Destinations, for example.

► Select the destination and calculate the route .

**THE FOLLOWING OPTIONS ARE AVAILABLE FOR ROUTE PLANNING IN THE ROUTE OVERVIEW:**

- Changing the order of the destinations (⟶ page 575).
- Deleting a destination.
- Substituting an intermediate destination along the route.

## PLANNING ROUTES

Multimedia system:

→ [⌂] ▸▸ Navigation ▸▸ [🔍]

- Enter the intermediate destination (⟶ page 45).

  After entering the destination and new calculation of the route, the map is shown again. The route contains a new intermediate destination.

If there are already four intermediate destinations, delete an intermediate destination (⟶ page 575).

## EDITING A ROUTE WITH INTERMEDIATE DESTINATIONS

**Requirements:**

- The destination and at least one intermediate destination have been entered.

Multimedia system:

→ [⌂] ▸▸ Navigation

## CHANGES THE ORDER OF THE DESTINATIONS

- In the route overview, press and hold on a destination.
- Move the destination with [◀] or [▶].
- Tap on Done [✓].

  The editing mode is ended.

## DELETING A DESTINATION

- In the route overview tap on [⊗] for a destination.

## SUBSTITUTING AN INTERMEDIATE DESTINATION ALONG THE ROUTE

If an intermediate destination is entered and there are already four intermediate destinations, you will be asked to substitute one intermediate destination. A prompt appears.

- Select Yes.
- In the route overview, tap on [⊗] for the intermediate destination to be substituted.

  The new intermediate destination is added to the route.

## DISPLAYING THE ROUTE LIST

Multimedia system:

→ [⌂]

- Tap on the navigation window (7) (⟶ page 562).




Example: route list

(1) Upcoming maneuver with turning arrow, distance to maneuver, street number, street name

Switches off navigation announcements
Switches on navigation announcements
Including the following route sections on the route to the destination
(2) Current vehicle position

The route sections are displayed in the navigation window. The route list is updated during the journey.

Freeway information shows the available service facilities. After selecting symbols, e.g. for parking spaces, service areas or freeway exits, the POI is adopted as an intermediate destination or destination.

- ► Swipe up or down.
- ► Select a route section.
  The map section is displayed.

**SELECTING AN ALTERNATIVE ROUTE**

**Requirements:**

- A route has already been created.

Multimedia system:
→ Navigation » Alternative Routes

The original route is shown in the navigation window and is highlighted on the map.

Alternative routes are shown on the map together with the difference in traveling time.

A faster route may be shown as an alternative route that is considerably longer.

**THE FOLLOWING ROUTE INFORMATION IS SHOWN FOR EXAMPLE:**

- Driving time
- Time of arrival
- Distance to the destination
- Avoid options based on the set route options
- Driving time saved or lost compared with the original route

- ► When the alternative routes have been calculated, display the route in the navigation window by swiping to the right or left.

**CHANGING ROUTE TYPE**

- ► Select Filter.
- ► Switching the route type on or off.

**AVOIDING OR USING ROUTE OPTIONS**

- ► Select Filter.
- ► Switch the route options on or off (→ page 572).
- ► Confirm the settings with Done.
- ► **To start route guidance to the alternative route:** select Start.
- ► **To select an alternative route on the map:** touch any point on the alternative route.
  The alternative route is highlighted.

## ACTIVATING A COMMUTER ROUTE

**Requirements:**

- You have created a profile (⟶ page 518).
- The Allow Destination Suggestions option is switched on (⟶ page 543).
- The Commuter Route option is switched on.
- The multimedia system has gathered sufficient data in order to show destination suggestions.
- Routes have been learned for these destination suggestions.
- Route guidance is active.

ⓘ This commuter route is not available in all countries.

Multimedia system:

Navigation » Route

► Switch on Commuter Route.

The navigation system automatically detects that the vehicle is on a commuter route.

For the daily commuter route, traffic incidents on the route are also reported when driving without active route guidance.

► **To select commuter route:** select Start.

ⓘ A commuter route is suggested even with delays on the route.

► **To delete a commuter route:** select ×.

## ADJUSTING THE ROUTE ON THE MAP

**Requirements:**

- A route has already been created.

You can change the course of the original route on the map. A new intermediate destination is set in the process.

ⓘ If the maximum number of intermediate destinations is reached, the function is not supported. Press the OK button to confirm the message.

► Press lightly on the route with one finger and hold it in place.

A symbol appears. The route can be changed.

► Drag and hold the route with your finger to a desired map position.

The new route is displayed. The route is recalculated.

When the route is calculated, the journey time and distance are compared with the original route.

When the finger is pulled away from the display, the intermediate destination is shown on the map.

► Accept the route with Confirm or reject it with Cancel and return to the original route.

## SWITCHING THE AUTOMATIC GAS STATION SEARCH ON OR OFF

Multimedia system:

Settings » Vehicle

► Select Other Functions.

► Activate or deactivate Automatic Gas Station Search.

If Automatic Gas Station Search is switched on, a notification appears in which the search for gas stations is started.

**STARTING AN AUTOMATIC GAS STATION SEARCH**

**Requirements:**

- The automatic gas station search is activated (⟶ page 577).

**DRIVING SITUATION**

The fuel level in the fuel tank reaches the reserve fuel level.

The following notification is shown on the central display: Fuel Reserve Tap here to search for gas stations.

► Confirm the notification.

The automatic gas station search begins. The available gas stations along the route or in the vicinity of the vehicle's current position are displayed.

► Select a gas station.

► Calculate the route with the gas station as an intermediate destination or as a destination (⟶ page 568).

► **If there are already four intermediate destinations:** select Yes in the prompt.

The selected gas station is entered in the route overview at position 1. Intermediate destination 4 is deleted. Route guidance begins.

**STARTING THE AUTOMATIC SERVICE STATION SEARCH**

**Requirements:**

- ATTENTION ASSIST is activated (⟶ page 403).
- You are driving on a highway.
- There are service stations along the route section ahead.

**DRIVING SITUATION**

The following notification is shown on the central display ATTENTION ASSIST Tap here to search for rest areas..

► Confirm the notification.

The service station search starts. The available service stations along the route or in the vicinity of the vehicle's current position are displayed.

► Select a service station.

► Calculate the route with the service station as an intermediate destination or as a destination (⟶ page 568).

► **If there are already four intermediate destinations:** select Yes in the prompt.

The selected service station is entered in the route overview at position 1. Intermediate destination 4 is deleted. Route guidance begins.

**STARTING AND EDITING A STORED ROUTE**

**Requirements:**

- A USB device with stored routes is connected with the multimedia system (⟶ page 643).
- The route is stored in the "Routes" folder with the GPS Exchange format (.gpx).

Multimedia system:



► Press the double arrow in the destination input line until Saved Routes is displayed.

► Select Saved Routes.

**STARTING A SAVED ROUTE**

► Select a route.

► Select Start Route Guid. from Start or Start: from Current Position.

Route guidance begins.

**RENAMING A ROUTE**

► Press on a route until a menu is shown.

► Select Rename.

► Enter the name.

► Select OK.

**RECORDING AND STORING A ROUTE**

**Requirements:**

- A USB device is connected with the multimedia system (→ page 643).
- The "Routes" folder has been created on the USB device.

Multimedia system:



► Press the double arrow in the destination input line until Saved Routes is displayed.

► Select Saved Routes.

**STARTING RECORDING**

► Select Start Recording.

A white rectangle is displayed.

The route is stored on the USB device.

**STOPPING RECORDING**

► Press the white rectangle.

► Select End Recording.

# Route guidance

**NOTES ON ROUTE GUIDANCE**

**WARNING**
Risk of distraction from operating integrated communication equipment while the vehicle is in motion

If you operate communication equipment integrated in the vehicle when driving, you could be distracted from the traffic situation. This could also cause you to lose control of the vehicle.

► Only operate this equipment when the traffic situation permits.

► If you cannot be sure of this, stop the vehicle whilst paying attention to road and traffic conditions and operate the equipment with the vehicle stationary.

You must observe the legal requirements for the country in which you are currently driving when operating the multimedia system.
Route guidance begins once a route has been calculated. The road and traffic rules and regulations always have priority over multimedia system driving instructions. Driving instructions are, for example navigation announcements, changes in direction and lane recommendations.

Changes in direction and lane recommendations are shown in the navigation window.

**THE FOLLOWING DISPLAYS AND FUNCTIONS ARE ALSO AVAILABLE IN THE NAVIGATION WINDOW, FOR EXAMPLE:**

- Route list
- Destination information
- Traffic information
- Freeway facilities
- Car park search

If you do not follow the driving instructions or if you leave the calculated route, a new route is calculated automatically.

If, for example, the route is diverted or the direction of a one-way road has been reversed, driving instructions may deviate from the actual traffic situation.

Alternatives may be offered during route guidance, e.g. before passing a freeway exit road. The additional driving time for the journey along the freeway exit is shown.

For this reason, you must always observe road and traffic rules and regulations during your journey as well as the prevailing traffic conditions.

The route can differ from the ideal route, for example in the event of roadworks or incomplete digital map data.

**NOTES ON SATELLITE RECEPTION**

The correct function of the navigation system depends, amongst other things, on the reception of the satellite system used. In certain situations satellite reception can be impaired, malfunction or even not be possible, e.g. in tunnels or in parking garages.

**CHANGING DIRECTION OVERVIEW**

**CHANGES OF DIRECTION ARE SHOWN IN THE FOLLOWING DISPLAYS:**

- Detailed image of the intersection

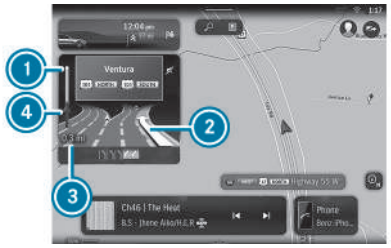
  The display appears when you drive into an intersection.
- 3D image

  The display appears when driving on intersection-free, multi-lane roads, for example at freeway exits and freeway interchanges.




Example: detailed image of the crossing with upcoming changes of direction

1. Name of the street to turn into
2. Change of direction arrow (also on the map)
3. Current distance to the change of direction




Example: 3D image of the upcoming change of direction

1. Maneuver point
2. Change of direction arrow (also on the map)

Larger map scales show change of direction points instead of change of direction arrows.

3 Current distance to the change of direction

4 Current vehicle position

**THERE ARE THREE PHASES WHEN CHANGING DIRECTION:**

- Preparation phase

  If there is enough time between the changes of direction, the multimedia system prepares you for the upcoming change of direction. A navigation announcement is issued, e.g. "Prepare to turn right".

  The navigation window shows: the direction information or the name of the road which is to be turned into as well as the distance to the change of direction.

- Announcement phase

  The multimedia system announces the upcoming change of direction, e.g. by announcing "Turn right in 900 ft (300 m)".

  When the Auto Zoom map orientation is switched off (⟶ page 594), a detailed representation of the intersection or a 3D image of the upcoming change in direction appears in the navigation window.

- Change-of-direction phase

  The multimedia system announces the imminent change of direction, e.g. by announcing "Now turn right".

  Example 3D image: when the distance to driving maneuver 1 is displayed with 0 ft (0 m) the driving maneuver is performed.

ⓘ Changes in direction are also displayed on the driver display and head-up display.

**LANE RECOMMENDATIONS OVERVIEW**




Example: lane recommendations

1 Possible lane (white arrow)

2 Recommended lane (white arrow, blue background)

3 New lane which is not recommended (gray arrow)

Not in the image: A possible lane is indicated with a white arrow.

This display appears for multi-lane roads.

If the digital map contains the relevant data, lane recommendations are displayed in the navigation window.

**EXPLANATION OF THE DISPLAYED LANES:**

- Recommended lane

  In this lane, you will be able to complete both the next change of direction and the one after that.

- Possible lane

  In this lane, you will only be able to complete the next change of direction.

- Non-recommended lane

  In this lane, you will not be able to complete the next change of direction without changing lane.

During the change of direction, new lanes may be added. Bus lanes are also shown.

ⓘ Lane recommendations are also displayed on the driver's display and head-up display.

**USING FREEWAY INFORMATION**

When driving on the freeway, upcoming freeway facilities and available service facilities are shown in the route list. These include parking lots, service stations or freeway exits with service POIs, for example.

The entries are sorted according to increasing distance from the current vehicle position.

- ► Select an entry.
- ► If several service facilities are available, select a service facility from the list.

  The destination address and the map position are shown.
- ► Calculate the route (⟶ page 568).

or

- ► Search for a POI in the vicinity.

or

- ► Use other functions, e.g. store the destination address of the service facility.

**DESTINATION REACHED**

Once the destination is reached, you will see the checkered flag. Route guidance will now be complete. The navigation menu is shown.

When an intermediate destination has been reached, you will see the intermediate destination flag with the number of your intermediate destination. Route guidance is continued.

**SWITCHING NAVIGATION ANNOUNCEMENTS ON OR OFF**

**SWITCHING OFF**

- ► Press the button on the steering wheel or on the MBUX multimedia system during a navigation announcement (⟶ page 525).

  The Spoken voice guidance has been deactivated. message appears.

or

- ► In the route list for a driving maneuver select (⟶ page 575).

  The symbol changes to .

**SWITCHING ON**

- ► In the navigation window, select for an upcoming driving maneuver.

  The current navigation announcement is played.

  The symbol changes to .

**SWITCHING NAVIGATION ANNOUNCEMENTS ON OR OFF DURING A PHONE CALL**

- ► Press the button on the steering wheel on the right.

or

- ► Tap on the central display.
- ► Select Settings.
- ► Select System.
- ► Select Audio.
- ► Select Voice Output.

- Activate or deactivate Driving Recommendations During Call.
- **To leave the menu:** select [↩].

**ADJUSTING THE VOLUME OF NAVIGATION ANNOUNCEMENTS**

Multimedia system:

[⌂] ▸▸ Settings ▸▸ System ▸▸ Audio ▸▸ Voice Output

- Select Voice Guidance Volume.
- Set the volume.
- **To leave the menu:** select [↩].

**ROUTE GUIDANCE IS ACTIVE**

- Set the volume during a navigation announcement on the steering wheel (⟶ page 514) or on the switch panel under the central display (⟶ page 504).

**SWITCHING AUDIO FADEOUT ON OR OFF DURING NAVIGATION ANNOUNCEMENTS**

- Press the [⌂] button on the steering wheel on the right.

or

- Tap [⌂] on the central display.
- Select Settings.
- Select System.
- Select Audio.
- Select Voice Output.
- Activate or deactivate Audio Fadeout During Navigation Announcements.
- **To leave the menu:** select [↩].

**REPEATING NAVIGATION ANNOUNCEMENTS**

**Requirements**

- A route has already been created.
- Route guidance is active.

Multimedia system:

[⌂]

- In the navigation window, select [🔊] for an upcoming driving maneuver.
- Select [🔇].

  The current navigation announcement is repeated.

**CANCELING ROUTE GUIDANCE**

**Requirements**

- A route has already been created.
- Route guidance is active.

- Select [🏁] in the navigation module (⟶ page 562).

**OVERVIEW OF OFF-ROAD STATUS DURING ROUTE GUIDANCE**

Due to roadworks, for example, there may be differences between the data on the digital map and the actual course of the road. In such cases, the multimedia system will temporarily be unable to locate the vehicle's current position on the digital map. The vehicle is off-road.

You can see the Please follow the arrow display and hear the corresponding navigation announcement. Route guidance may be restricted.

When the vehicle is back on a road known to the multimedia system, route guidance continues as normal.

# Destination

**SAVING THE CURRENT VEHICLE POSITION**

Multimedia system:



- When the map is shown, tap on the current vehicle position.
- Select Save Position.
- **To save as a favorite:** select Save as Favorite .
- **To save as "Home" address:** select Home .
- **To save as "Work" address:** select Work .

**MANAGING PREVIOUS DESTINATIONS**

Multimedia system:



- Select Previous Destinations.

**SAVING THE LAST DESTINATION AS A FAVORITE**

- Select ••• for the last destination.

  A menu appears.
- **To save as a favorite:** select Save as Favorite .
- **To save as "Home" address:** select Home .
- **To save as "Work" address:** select Work .

**DELETING A PREVIOUS DESTINATION**

- Select ••• for the last destination.
- Select Delete.

or

- Select Delete All.
- Confirm the prompt.

**EDITING DESTINATION SUGGESTIONS**

**Requirements:**

- The Allow Destination Suggestions option is switched on (⟶ page 543).
- For the display of destination suggestions: the multimedia system has gathered sufficient data.

Multimedia system:



- Press and hold on a destination suggestion.

  A menu appears.
- **To cancel a destination suggestion:** select Do Not Suggest Now or No Longer Suggest.
- **To save a destination suggestion:** select Save as Favorite, Home or Work.

ⓘ Delete a destination suggestion from the favourites (⟶ page 567).

# Route guidance with current traffic reports

**TRAFFIC INFORMATION OVERVIEW**

Current traffic reports are received with the Digital Extra Live Traffic Information (subscription).

Live Traffic Information updates the traffic situation at short, regular intervals via the Internet connection.

Information on the vehicle's position is regularly sent to Mercedes-Benz AG. The data is immediately rendered anonymous by Mercedes-Benz AG and forwarded to the traffic data provider. Using this data, traffic reports relevant to the vehicle's position are sent to the vehicle. The vehicle acts as a sensor for the flow of traffic and helps to improve the quality of the traffic reports.

There may be differences between the traffic reports received and the actual road and traffic conditions.

**IF YOU DO NOT WANT TO TRANSMIT THE VEHICLE POSITION, YOU HAVE THE FOLLOWING OPTIONS:**

- You can deactivate the Digital Extra in the Mercedes-Benz user account.
- You can have the Digital Extra deactivated at an authorized Mercedes-Benz Center.

Hazard warnings are received via the Car-to-X Digital Extra (⟶ page 587).

**SHOWING INFORMATION FROM THE SERVICE PROVIDER FOR LIVE TRAFFIC INFORMATION**

**Requirements:**

- The vehicle is equipped with Live Traffic Information.

Multimedia system:

Apps » Mercedes me » My Digital Extras

► Select Live Traffic Information .

**YOU HAVE THE FOLLOWING OPTIONS FOR EXTENDING THE SUBSCRIPTION:**

- At any authorized Mercedes-Benz Center
- With a call to the Mercedes-Benz Customer Assistance Center via the me button (⟶ page 622)
- If the vehicle identification number (VIN) is linked to your Mercedes-Benz user account, you can renew the subscription yourself. To do this, call up the user profile on the Mercedes-Benz website https://www.mercedes.me after logging in with your Mercedes-Benz user account.

**DISPLAYING TRAFFIC INFORMATION ON THE MAP**

**Requirements:**

- Traffic Incidents and Free Flowing Traffic are switched on (⟶ page 587).

Multimedia system:

► If necessary, move the map (⟶ page 590).

**THE MAP SHOWS THE FOLLOWING TRAFFIC INFORMATION DEPENDING ON THE ACTIVATED SETTINGS:**

- Traffic incidents
  These are roadworks, road blocks and warning messages, for example.

When route guidance is active, the symbols for traffic incidents will be shown in color on the route. Off the route they are gray.

- Warning messages

  Traffic safety information can be shown, e.g. if there are people on the road.

  If the vehicle approaches a danger area, for example the end of a traffic jam in a dangerous position, the symbol is shown on the map. If Announce Traffic Warnings is switched on and a message has been issued, an additional announcement is made.

- Traffic flow information:
  - Traffic jam (red line)
  - Slow-moving traffic (orange line)
  - Heavy traffic (yellow line)
  - Free-flowing traffic (green line)
- Display for traffic delays on the current route

  The smallest value for the display for traffic delays is a minute.

**SHOWING TRAFFIC INCIDENTS ON THE ROUTE**

**Requirements:**

- The Traffic Incidents display is switched on (⟶ page 587).

Multimedia system:

Navigation

If there are traffic incidents on the route, these are shown on the map and in the route overview.

The display is along the entire route.

ⓘ The display is for route lengths up to approx. 1240 mi (2000 km).

ⓘ With the MBUX Voice Assistant you can inform yourself about traffic incidents on your route. Ask, for example **How is the traffic on my route?** or **How is the traffic at home?**. A voice output is issued.




Example: traffic incidents on the route

1. Total delay
2. Color representation of traffic flow information, delay and length, road name and/or road number
3. Switches traffic information display on or off

► To see all of the traffic incidents on the route, swipe to the right or left in the route overview.

The route section is highlighted on the map.

**DISPLAYING DETAILED INFORMATION**

- Tap on a traffic incident symbol or traffic flow information in the route overview (when route guidance is active) or on the map.

  The detailed information is shown, for example the road section, the direction and the delay.

  If a traffic jam symbol is selected, the trend can be displayed as decreasing or increasing.

- **Several pieces of traffic flow information are available in the immediate vicinity on the map:** tap on the upper line and select the traffic flow information in the list.

- **Several traffic incidents are on the map in the immediate vicinity:** tap on the top traffic incident symbol and select from the list of traffic incidents.

**SWITCHING THE TRAFFIC INFORMATION DISPLAY ON**

Multimedia system:

→ ⌂ ▸▸ Navigation ▸▸ ⚙

- Select View.
- Traffic .
- Activate Traffic Incidents and Free Flowing Traffic.

  Traffic incidents, for example roadworks, local area reports (e.g. fog) and warning messages, are shown on the route.

# Car-to-X-Communication

**CAR-TO-X-COMMUNICATION OVERVIEW**

**THE FOLLOWING REQUIREMENTS APPLY FOR THE DIGITAL EXTRA CAR-TO-X-COMMUNICATION:**

- The vehicle is equipped with an MBUX multimedia system with navigation function.
- There is a subscription for Live Traffic Information.
- Car-to-X-Communication is activated in your Mercedes-Benz user account.

ⓘ Car-to-X-Communication is not available in all countries.

The communication module automatically establishes an Internet connection once the vehicle is switched on. If there are any hazard warnings, they will be provided shortly thereafter. Depending on the mobile phone connection, provision takes place from within a second up to about a minute.

**BENEFITS OF CAR-TO-X-COMMUNICATION:**

- Dangers are automatically detected by the vehicle or can be reported by the driver. These are then sent to vehicles with Car-to-X-Communication in the immediate vicinity.
- If available, current details relating to hazard spots near the vehicle's current position are received.

  This gives you sufficient time to adapt your driving style to the traffic conditions.

The use of Car-to-X-Communication requires the regular transmission of vehicle data to Mercedes-Benz AG. The data is then immediately pseudonymized by Mercedes-Benz AG. The vehicle data is deleted after an appropriate amount of time has elapsed (several weeks) and is not stored permanently.

ⓘ Data which serves as identification is replaced during the pseudonymization process. In this way, your identity is protected against access by unauthorized third parties.

**DISPLAYING HAZARD WARNINGS**

Multimedia system:



If hazard warnings are available these can be shown as symbols on the map. The display depends on the settings for the Traffic Incidents option.

- ► Set the option via ⚙ (⟶ page 587).

  If the option is activated, all of the symbols are shown.

  If the option is deactivated, the symbols are only shown when there is a hazard warning.

**THE FOLLOWING HAZARDS MAY BE SHOWN ON THE MAP:**

- Accidents and breakdowns
- Slippery roads, fog, crosswinds and heavy rain
- Hazards reported manually
- Vehicle with active hazard warning light
- Roadworks
- Additional hazards (if available)

ⓘ If Announce Traffic Warnings is switched on (⟶ page 573), voice output can indicate a danger area.

**SENDING HAZARD WARNINGS**

**REPORTING HAZARDS MANUALLY**

ⓘ Automatically detected hazard warnings are sent by the vehicle.

- ► When the map is shown, tap on the current vehicle position.

  The Position menu is shown.

- ► Select Report Traffic Incident.

  The Thank you for supporting accident prevention! message appears.

## Route guidance with augmented reality

**OVERVIEW OF ROUTE GUIDANCE WITH AUGMENTED REALITY**

⚠ **WARNING**
Risk of accident and injury as a result of distraction, incorrect depiction or wrong interpretation of the display

The camera image of the augmented reality display is not suitable as a guide for driving.

- ► Always keep an eye on the actual traffic situation.
- ► Avoid extended observation of the camera image.

During route guidance with augmented reality a camera image with the real traffic scene is shown on the central display before a turning maneuver. The camera image includes additional information, for example arrows indicating a change of direction.

If the options are switched on and this additional information is available, road names and house numbers are displayed (⟶ page 590).




1 House number
2 Street name
3 Change of direction arrow

Route guidance with augmented reality will not be available in some situations, e.g. in the event of poor satellite reception or roads that have not been digitized.

Route guidance with augmented reality is not available in all countries.

You can watch an animation on this topic via the following link:

## ACTIVATING ROUTE GUIDANCE WITH AUGMENTED REALITY

**WARNING**
Risk of accident and injury due to imprecise positioning of additional information

The additional information from the augmented reality display may be inaccurate and is not a substitute for observing and assessing the actual driving situation.

- ► Always keep an eye on the actual traffic situation when carrying out all driving maneuvers.

Multimedia system:

↳ ⌂ ▸▸ Navigation ▸▸ ⚙

- ► Select View.
- ► Select Augmented Reality Video.
- ► Activate or deactivate Augmented Reality Video.

  **IF THE FUNCTION IS ACTIVATED, THE FOLLOWING ARE SHOWN BEFORE A TURNING MANEUVER IN THE CENTRAL DISPLAY:**

  - The camera's video image
    The video image includes additional information.
  - The AR switch
    The video image can be shown or hidden.

- ► **To show or hide the video image:** tap on AR.

**SHOWING PROPERTY INFORMATION FOR ROUTE GUIDANCE WITH AUGMENTED REALITY**

**Requirements:**

- Augmented reality is activated (⟶ page 589).

Multimedia system:

→ ⌂ ⏩ Navigation ⏩ ⚙

- ▶ Select View.
- ▶ Select Augmented Reality Video.
- ▶ Activate Street Names and House Numbers.

  During route guidance, the activated options are shown as additional information in the camera image.

# Map

**SETTING THE MAP SCALE**

Multimedia system:

→ ⌂

**ZOOMING IN**

- ▶ When the map is shown, tap twice quickly with one finger on the central display.

or

- ▶ Move two fingers apart on the central display.

**ZOOMING OUT**

- ▶ Tap with two fingers on the central display.

or

- ▶ Move two fingers together on the central display.

ⓘ You can set the unit of measurement of the map scale (⟶ page 542).

**MOVING THE MAP**

Multimedia system:

→ ⌂

- ▶ When the map is displayed, swipe in any direction with one finger on the central display.
- ▶ **To reset the map to the current vehicle position:** select ⌖ Center .

**SWITCHING THE ROUTE OVERVIEW AFTER START ON OR OFF**

Multimedia system:

→ ⌂ ⏩ Navigation ⏩ ⚙

- ▶ Select View.
- ▶ Activate ⬬ or deactivate ⬬ Route Overview after Start.

  If the option is enabled, the map shows the full route after route guidance is started and, if available, all alternative routes.

**SELECTING POI SYMBOLS FOR THE MAP DISPLAY**

Multimedia system:

→ ⌂ ⏩ Navigation ⏩ ⚙

POIs include restaurants and hotels, for example. These are displayed as symbols on the map. Not all POIs are available in all countries.

Personal POIs are destinations which you have saved on a USB device, for example.

ⓘ The display of POI symbols on the map can be activated or deactivated as a favorite.

- Select View.
- Select POI Symbols On Map [>].
- Activate or deactivate Hide All POIs.

  When the option is switched on, all POIs are hidden on the map. The settings in the POI categories are kept.

  When the option is switched off, the POIs are shown on the map according to the settings in the POI categories.

ⓘ If the conditions are fulfilled, the POI symbols are shown with current online information (→ page 596).

**SWITCHING DISPLAY OF CATEGORIES FOR QUICK-ACCESS ON OR OFF**

- Switch a category on or off in the menu.

**SELECTING CATEGORIES**

- In the menu, select Other Categories [>].
- Activate or deactivate Show All.

  When the option is switched on, the POI symbols for all categories are shown on the map.

or

- Select [>] the categories.
- Activate or deactivate the categories.

  The POI symbols for the selected categories are shown on the map.

**SELECTING PERSONAL POI CATEGORIES**

- In the menu, select Personal POIs [>].
- Select [>] a category.
- Activate or deactivate Show on Map.
- **To issue a signal when approaching:** activate Visual Notification and Acoustic Notification.

**RESETTING THE POI SYMBOL DISPLAY**

- In the menu, select Reset POIs.

  The settings are reset to the standard settings.

**SELECTING THE DISPLAY OF ADDITIONAL INFORMATION ON THE MAP**

Multimedia system:

[Home] ▸▸ Navigation ▸▸ [Settings]

- Select View.
- Select Show More Information.
- Switch the options on or off.

**THE FOLLOWING OPTIONS ARE AVAILABLE:**

- Current Street

  If the option is enabled, it will be displayed in the navigation window.
- Scale

  If the option is enabled, the map scale is permanently displayed on the map.

  The option also influences the display on the driver display.
- Elevation
- Next Intersection

If the option is switched on and the journey continues without route guidance, the name of the next intersecting street will be displayed in the navigation window.

**DISPLAYING THE MAP VERSION**

Multimedia system:

Navigation

- Select View.
- Select Map Data Version.

  The detail information is displayed.

ⓘ You can update the map data with the Online Map Update Digital Extra (⟶ page 45).

ⓘ **YOU CAN OBTAIN INFORMATION ABOUT NEW VERSIONS OF THE DIGITAL MAP VIA THE FOLLOWING OPTIONS:**

- Depending on the setting, as a message in the Mercedes inbox or as an e-mail
- At any authorized Mercedes-Benz Center

**OVERVIEW OF AREA AVOIDANCE ON THE ROUTE**

You can define areas along a route that you would like to avoid.

**AVOIDING A NEW AREA FOR THE ROUTE**

Multimedia system:

Navigation Route Avoid Areas

- Select Avoid New Area.

**STARTING USING THE MAP**

- Select Using Map.

  A red rectangle appears. This designates the area that should be avoided.
- Move the map (⟶ page 590).
- Set the map scale (⟶ page 590).
- Select OK.

  The area is entered into the list.

**STARTING USING DESTINATION SEARCH**

- Select Via Address Entry.
- Enter the address (⟶ page 45).
- Select the destination in the list.

  The map appears. The area is saved.

**CHANGING AN AREA TO BE AVOIDED**

Multimedia system:

Navigation Route Avoid Areas

- Select an area in the list.
- Select Edit.
- **To move an area on the map:** swipe in any direction on the central display.

**CHANGING THE SIZE OF THE AREA**

- Move two fingers apart or together on the central display.
- Select OK.

  The area is entered into the list.

**TAKING THE AREA FOR THE ROUTE INTO ACCOUNT**

- ▶ Select the area in the list.
- ▶ Activate Avoid Area.

  If route guidance is active, a new route is calculated.

  If there is no route yet, the setting is carried over to the next route guidance.

  **THE ROUTE CAN INCLUDE AN AREA THAT IS TO BE AVOIDED IN THE FOLLOWING CASES:**

  - The destination is located in an area that is to be avoided.
  - There is no practical alternative route.

**DELETING AN AREA TO BE AVOIDED**

Multimedia system:




**DELETING AN AREA TO BE AVOIDED**

- ▶ Select an area in the list.
- ▶ Select Delete.
- ▶ Confirm the prompt with Yes.

**DELETING ALL AREAS TO BE AVOIDED**

- ▶ If at least two areas to be avoided are set, select Delete All.
- ▶ Confirm the prompt with Yes.

**MAP DATA UPDATE OVERVIEW**

As the content of a digital road map has a short life, outdated data may have a negative effect on all navigation functions. For the best MBUX navigation experience, you should install all of the map updates offered by Mercedes-Benz.

**THE FOLLOWING OPTIONS ARE AVAILABLE FOR THE UPDATE OF MAP DATA:**

- Online map update
- Update via the customer profile on the Mercedes-Benz website
- Update at an authorized Mercedes-Benz Center

  Additional costs can be incurred in this process.

**ONLINE MAP UPDATE**

**REQUIREMENTS:**

- Digital Extras are available.
- You have a Mercedes me ID.
- The Digital Extra Online Map Update is available for your region.
- The Digital Extra has been activated.

Installation takes place in the background as an automatic map update.

The MBUX multimedia system installs all of the available map updates for the North American regions in which the vehicle is located or is moved.

The online map update is activated at the latest after the next time the vehicle is switched on.

**UPDATES VIA THE MERCEDES-BENZ PORTAL**

The map data for several regions can also be updated manually. Log in with your Mercedes me ID at: https://www.mercedes-benz.de/

Click on your account at the top right and follow the menu path My dashboard > Manage vehicle > Manage Digital Extras > Online Map Update. Select the regions to be downloaded to a storage medium.

After the map data has been copied, connect the storage medium with your vehicle. Select the notification with information about a new version of the

map data and start the installation. After the MBUX multimedia system has been restarted, the updated map data is used.

**OVERVIEW OF MAP DATA**

If map data is reinstalled in a vehicle, no activation code needs to be entered.

For map data purchased as data storage media, the enclosed activation code must be entered after starting the installation.

ⓘ The activation code is only ever valid for one vehicle.

**IN THE EVENT OF THE FOLLOWING PROBLEMS, PLEASE CONTACT AN AUTHORIZED MERCEDES-BENZ CENTER:**

- The multimedia system does not accept the activation code.
- You have lost the activation code.

**DISPLAYING THE COMPASS**

Multimedia system:



▶ When the map is shown, tap on the current vehicle position until the Position menu is shown.

▶ Select Compass.

**THE COMPASS DISPLAY SHOWS THE FOLLOWING INFORMATION:**

- The current direction of travel with bearing (360° format) and compass direction
- Longitude and latitude coordinates in degrees, minutes and seconds
- Number of satellites from which a signal can be received

**SHARING THE VEHICLE POSITION WITH A CONTACT**

**Requirements:**

- A mobile phone is connected to the MBUX multimedia system.
- The connected mobile phone supports sending text messages from the vehicle (⟶ page 614).

Multimedia system:



The current vehicle position can be shared with a contact.

▶ In the Route menu, select Share Journey.

After selection, the display changes to Stop Sharing Journey.

▶ Select the contact (⟶ page 612).

The text message is sent. The display changes back to the digital map. A symbol is displayed in the status line. When the message has been sent, a notification is displayed.

ⓘ This function is not available in all countries.

**SETTING THE MAP SCALE AUTOMATICALLY**

Multimedia system:



▶ Select View.

▶ Activate Auto Zoom.

When the option is switched on, the map scale is set automatically depending on your driving speed and the type of road.

The automatically selected map scale can be changed manually. After a few seconds, this is automatically reset.
When the option is activated, no detailed display of the intersection or a 3D image is shown in the navigation window during an upcoming driving maneuver.

**DISPLAYING THE SATELLITE MAP**

**Requirements:**

- There is an Internet connection.
- Digital Extras are available.
- You have a Mercedes me ID.
- The vehicle is linked to the Mercedes me ID and you have accepted the terms of use.
  Further information can be found at: https://www.mercedes.me
- Satellite maps are available.

Multimedia system:
→ Navigation

► Select View.

► Activate or deactivate Satellite Map.
**WHEN SATELLITE MAP IS SELECTED, THEY ARE DISPLAYED AT THE FOLLOWING MAP SCALES:**

- On-board maps
  The satellite maps are displayed in map scales from 2 mi (2 km).
- Online maps
  The satellite maps are displayed in high-resolution map scales from 50 ft (10 m).

When Satellite Map is not selected, no satellite maps are displayed.

The display of satellite maps is not available in all countries.

**DISPLAYING THE RANGE**

**Requirements:**

- There is an Internet connection.
- Digital Extras are available.
- You have a Mercedes me ID.
- The vehicle is linked to the Mercedes me ID and you have accepted the terms of use.
  Further information can be found at: https://www.mercedes.me
- The Digital Extra is available.
- The Digital Extra has been activated at an authorized Mercedes-Benz Center.

Multimedia system:
→ Navigation

► Select View.

► Range .

**THE RANGE IS SHOWN ON THE MAP WITH THE FOLLOWING DISPLAYS:**

- For gasoline and diesel vehicles: green display
- For hybrid vehicles:

Total range: green display

Electrical range: blue display

When the lower reserve capacity is reached then the range display on the map is switched off.

ⓘ The range display on the map is not available in all countries.

**DISPLAYING ONLINE MAP CONTENTS**

**Requirements:**

- There is an Internet connection.
- Digital Extras are available.
- You have a Mercedes me ID.
- The vehicle is linked to the Mercedes me ID and you have accepted the terms of use.

  Further information can be found at: https://www.mercedes.me
- The Digital Extra is available.
- The Digital Extra has been activated at an authorized Mercedes-Benz Center.

Multimedia system:




► Select View.

► Switch on a Digital Extra, e.g. Weather.

Current weather information is displayed on the navigation map, e.g. temperature or cloud cover.

The information from the Digital Extras is not displayed in all map scales, e.g. weather symbols.

ⓘ The display of online map content is not available in all countries.

# Toll collection with Toll System

**OVERVIEW OF THE PAYMENT SYSTEM FOR TOLL CHARGES**

⚠ **WARNING**
Risk of distraction from information systems and communications equipment

If you operate information systems and communication devices integrated in the vehicle when driving, you could be distracted from the traffic situation. This could also cause you to lose control of the vehicle.

► Only operate this equipment when the traffic situation permits.

► If you cannot be sure of this, stop the vehicle whilst paying attention to road and traffic conditions and operate the equipment with the vehicle stationary.

You must observe the legal requirements for the country in which you are currently driving when operating the MBUX multimedia system and the control unit.

ⓘ The toll system is optional equipment and is not available in all countries and vehicles.

Debiting of toll charges at freeway toll gates is facilitated with an electronic payment system.

The toll system uses RFID (Radio Frequency Identification) for data transfer between the control unit and the toll station.

The toll system is initially switched off at the factory.

The control unit is in the vehicle glove box.

**IN ORDER TO BE ABLE TO USE THE TOLL SYSTEM, IT MUST HAVE BEEN REGISTERED BY THE CUSTOMER AND ACTIVATED BY THE SERVICE PROVIDER:**

- Activate the toll system in the settings of the MBUX multimedia system.
- Registration and activation are carried out on the website of the Payviam service provider https://www.payviam.com/MB.



ⓘ Payviam is a payment platform via which the vehicle pays the required toll charges.

Activation of the toll system can take up to 48 hours after registration.

When the toll system is activated, the automatic detection of the number of vehicle occupants is initially switched off at the factory. The number of vehicle occupants is preset with one person.

**THE FOLLOWING APPLIES FOR ROADS ON WHICH TOLL CHARGES ARE DEPENDENT ON THE NUMBER OF VEHICLE OCCUPANTS:**

- If the automatic detection of the number of vehicle occupants is switched off, the number of vehicle occupants must be selected manually. This ensures correct toll accounting.
- The number of vehicle occupants can be transmitted automatically. In the process, the number of seat belts worn is determined.

  If the number of detected persons does not correspond with the number of persons actually in the vehicle, the number of persons must be manually selected.

The standard setting of one person does not need to be changed for roads which require toll payment regardless of the number of vehicle occupants.

The toll payment system enables the payment of toll charges in many states in the USA.

ⓘ **YOU CAN VIEW OR CALL UP THE STATES PARTICIPATING IN PAYVIAM VIA THE FOLLOWING CONTACT OPTIONS:**

- Internet: https://www.payviam.com/MB
- Telephone: (888) 725-1012
- Email: support@payviam.com

You can also reach Account Management via phone or email and obtain information about your invoices.

ⓘ In Mexico, for example, the toll system can be registered and activated for journeys to the USA.

**NOTICES**

- You can only use the toll system once registration and activation are complete.
- Drive at the prescribed vehicle speed in the toll lane.
- Mercedes-Benz recommends operation using the MBUX multimedia system.
- For safety reasons, entries should be made while the vehicle stationary.
- You can obtain further information from an authorized Mercedes-Benz Center. Alternatively, you can call 1-800-FOR-MERCedes (in the USA) or 1-800-387-0100 (in Canada).

**REGISTERING WITH AND ACTIVATING THE PAYMENT SYSTEM FOR TOLL CHARGES**

**REGISTERING AND ACTIVATING VIA PAYVIAM**

► Go to the website https://www.payviam.com/MB and select SIGN UP.

or

► Scan the QR code shown.

► To check and confirm the geographic area of validity on the map, select NEXT.

► Enter the contact information and select NEXT.

► Enter the UID Serial Number of the control unit.

ⓘ The UID serial number is a 9-digit alpha-numeric string.
You will find it under the following menu path in the MBUX multimedia system: [⌂] > Settings > Vehicle > Driving > Toll System.




① UID serial number

► Select CHECK MY UID.

► Enter the vehicle information and select NEXT.

► Enter the license plate information and select NEXT.

► Enter the payment information and select PAY NOW.

Your payment confirmation appears. A Payviam account is created in the next step. You can use this account to manage any data entered and toll payments.

ⓘ Activation of the toll system can take up to 48 hours after registration.

**YOU CAN FIND OUT THE CURRENT ACTIVATION STATUS OF THE TOLL SYSTEM FROM THE PAYVIAM SERVICE PROVIDER VIA THE FOLLOWING CONTACT OPTIONS:**

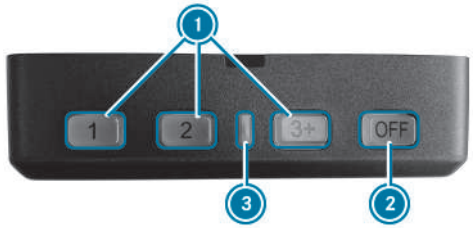
- Internet: https://www.payviam.com/MB
- Telephone: (888) 725-1012
- Email: support@payviam.com

## OPERATION ON THE MBUX MULTIMEDIA SYSTEM

- ► Select [⌂].
- ► Select Settings.
- ► Select Driving.
- ► Select Toll System.
- ► Switch the toll system on or off.
  If you switch the toll system on or off, the number of vehicle occupants is preset to one person.
- ► Activate Detect Automatically.
  The number of seat belts worn is transmitted and displayed, e.g. 2.
- ► If this does not correspond to the number of vehicle occupants, use the number keys to select 1, 2 or 3+.

## OPERATION WITH THE CONTROL UNIT

- ► Open the glove box (⟶ page 55).




① Buttons for entering the number of vehicle occupants
The control unit is switched off: switches on the control unit
② Switches off the control unit
③ LED lights up green: control unit is ready for operation
LED flashes red: there is an error

- ► To enter the number of people in the vehicle, press one of buttons ①.
  This changes the automatic operation to manual operation.

ⓘ The number keys on the control unit correspond to the number keys in the Toll System menu.

## CONTROL UNIT IS MALFUNCTIONING

If the control unit is malfunctioning, an acoustic signal will sound. Toll payment with the control unit cannot be made.

- ► Consult an authorized Mercedes-Benz Center.

# Parking service

## NOTES ON THE PARKING SERVICE

**NOTE**
Vehicle damage due to failure to observe the maximum permissible clearance height

If the vehicle height exceeds the maximum permissible clearance height, the roof and other vehicle parts may be damaged.

- ► Please observe the maximum clearance height indicated.
- ► If the vehicle exceeds the permissible clearance height, do not drive in.
- ► Take the modified vehicle height into account in the case of roof superstructures or other carrier systems.

This service is not available in all countries.

## DISPLAYING PARKING OPTIONS ON THE MAP

**Requirements:**

- The Navigation Services service is activated in your Mercedes-Benz user account.
- The parking service is part of the scope of the Navigation Services.

Multimedia system:

→ Home ▶▶ Navigation ▶▶ Settings

- ► Switch on Parking.

  The parking options within the vicinity of the current vehicle position are shown.

## SELECTING PARKING OPTIONS

**NOTE**
Vehicle damage due to failure to observe local information and parking conditions

The data is based on the information provided by the respective service providers.

Mercedes-Benz does not guarantee the accuracy of the information provided in relation to the car park or parking area.

- ► Always observe the local information and conditions.

**Requirements:**

- The Navigation Services service is activated in your Mercedes-Benz user account.
- The parking service is part of the scope of the Navigation Services.
- Parking is activated (⟶ page 600).

Multimedia system:

→ Home

- ► Tap on P the map.

or

- In the route overview, select [P] Parking Spaces (⟶ page 574).
- Select the search position and search filter, e.g. Near destination and Parking garages.

  The map shows car parks suited to the selected settings.

- Select a parking option.

  **THE FOLLOWING INFORMATION IS DISPLAYED (IF AVAILABLE):**

  - Destination address, distance from current vehicle position and arrival time
  - Information on the car park, e.g.
    - Opening times
    - Parking charges
    - Current occupancy
    - Maximum parking time
    - **Maximum access height**

      The maximum access height shown by the parking service does not replace the need for observation of the actual circumstances.
  - Available payment options (Mercedes pay, coins, bank notes, cards)
  - Details on parking tariffs
  - Number of available parking spaces
  - Payment method (e.g. at parking meters)
  - Services/facilities at the parking option
  - Telephone number

- Calculate the route (⟶ page 568).

  **THE FOLLOWING FUNCTIONS CAN BE USED (IF AVAILABLE):**

  - Searching for POIs in the vicinity.
  - Saving the destination.
  - Placing a call at the destination.
  - Sharing the destination via the QR code.
  - Calling up an Internet address.
  - Showing the destination on the map.

# Dashcam

**NOTES ON THE DASHCAM**

**NOTE**
Risk of legal consequences due to violation of legal regulations and data protection provisions

You are legally responsible for operation and use of the dashcam functions.

The legal requirements relating to operation and use of the dashcam can vary depending on the country in which the dashcam is operated.

This function is not permitted in all countries.

- Before using the dashcam, read up on the content of the legal regulations, in particular the data protection requirements in the respective country of use.
- Observe the legal regulations, in particular the data protection requirements.

**OBSERVE THE FOLLOWING INSTRUCTIONS FOR SAFE OPERATION:**

- Only use FAT32 or exFAT-formatted USB storage devices.
- Use USB-IF-certified USB storage devices.
  USB-IF is a non-profit corporation and stands for USB Implementers Forum. Based on the USB specification, USB-IF certifies, for example, USB versions, corresponding cables and plugs as well as energy supply processes via the USB interface.
- USB storage devices may be damaged if often or permanently overwritten at high speed.

The file size and therefore the duration of single recording is limited by the limitations of the USB flash drive format. For example, FAT32-formatted USB flash drives do not allow files larger than 4 GB.
When the file size is reached, the recording stops and you receive a notification.

**THE FOLLOWING FUNCTIONS ARE AVAILABLE IN THE GALLERY APP:**

- Switching write protection on or off
- Deleting video files

Additional information about the Gallery app (⟶ page 629).

This function may be a Digital Extra .

**SELECTING A USB DEVICE FOR A VIDEO RECORDING WITH THE DASHCAM**

**Requirements:**

- At least one USB device is connected with the multimedia system (⟶ page 643).

Multimedia system:

Apps » Dashcam

- ▶ Select the USB symbol.
- ▶ Select the USB device.

When USB devices contain multiple partitions, recorded video files are not always displayed in the recording list.
Mercedes-Benz recommends that you use USB devices with one partition.

**STARTING OR STOPPING A LOOP RECORDING WITH THE DASHCAM**

**Requirements:**

- For recording and saving a video file: a USB device is connected with the multimedia system (⟶ page 643).
- The vehicle is switched on.

Multimedia system:

Apps » Dashcam

- If several USB devices are connected with the multimedia system, select a USB device (⟶ page 602).

  If no USB device is selected, a selection is made automatically when recording starts.

- **To select recording mode:** select Loop Recording.

  Loop Recording continuously records short video files. When the memory is full, recording is continued automatically. In doing so, the oldest video file is written over.

- **To start:** select Start Recording.

  The length of the recording is shown. The Do not remove the storage medium during recording. Before removing the storage medium, eject it first. message appears. The video file is stored on the USB device.

- **To end:** select End Recording.

ⓘ In some countries, geo-coordinates (longitude and latitude) are shown in the video image.
For technical reasons, the geo-coordinates may show greater inaccuracies.

**A MESSAGE MAY APPEAR IN THE FOLLOWING CASES:**

- The camera is not functional, the Camera Unavailable message appears.

  Have the camera checked in an authorized Mercedes-Benz Center.
- If the country border indication has been switched on (⟶ page 604).
- If an outdoor recording is started with the camera app during a dashcam recording, the dashcam recording pauses and resumes automatically after the camera recording is finished. A notification to this effect is displayed.

**STARTING OR STOPPING INDIVIDUAL RECORDINGS WITH THE DASHCAM**

**Requirements:**

- For recording and saving a video file: a USB device is connected with the multimedia system (⟶ page 643).
- The vehicle is switched on.

Multimedia system:

Apps » Dashcam

- If several USB devices are connected with the multimedia system, select a USB device (⟶ page 602).

  If no USB device is selected, a selection is made automatically when recording starts.

- **To select recording mode:** select Individual Recording.

  Individual Recording stops recording when the memory limit is reached. An individual recording is automatically protected against being overwritten.

- **To start:** select Start Recording.

  The length of the recording is shown. The Do not remove the storage medium during recording. Before removing the storage medium, eject it first. message appears. The video file is stored on the USB device.

- **To end:** select End Recording.

ⓘ In some countries, geo-coordinates (longitude and latitude) are shown in the video image.

For technical reasons, the geo-coordinates may show greater inaccuracies.

**A MESSAGE MAY APPEAR IN THE FOLLOWING CASES:**

- Individual Recording: the memory is full or there are only a few minutes recording time available. The video recording stops or will be stopped imminently.
  Change the USB device or delete a video file.
- The camera is not functional, the Camera Unavailable message appears.
  Have the camera checked in an authorized Mercedes-Benz Center.
- If the country border indication has been switched on (⟶ page 604).
- If an outdoor recording is started with the camera app during a dashcam recording, the dashcam recording pauses and resumes automatically after the camera recording is finished. A notification to this effect is displayed.

**CONFIGURING DASHCAM SETTINGS**

**Requirements:**

- A USB device is connected with the multimedia system (⟶ page 643).

Multimedia system:

Apps » Dashcam

► Select ⚙.

**RECEIVING NOTIFICATIONS AFTER PASSING A BORDER CROSSING**

► Activate National Borders Alert .
  A message is shown if video is being recorded and the vehicle passes a border.

ⓘ This function is not available in all countries.

**STARTING AUTOMATIC VIDEO RECORDING**

► Select Automatic Loop Recording.

► Activate Automatic Loop Recording.
  When the vehicle is started, video recording starts automatically.

ⓘ This function is not available in all countries.

# Telephone

## Telephony

### NOTES ON TELEPHONY

**WARNING**
Risk of distraction from operating integrated communication equipment while the vehicle is in motion

If you operate communication equipment integrated in the vehicle when driving, you could be distracted from the traffic situation. This could also cause you to lose control of the vehicle.

- Only operate this equipment when the traffic situation permits.
- If you cannot be sure of this, stop the vehicle whilst paying attention to road and traffic conditions and operate the equipment with the vehicle stationary.

**WARNING**
Risk of accident from operating mobile communication equipment while the vehicle is in motion

Mobile communication devices distract the driver from the traffic situation. This can also cause the driver to lose control of the vehicle.

- As a driver, only operate mobile communication devices when the vehicle is stationary.
- As a vehicle occupant, use mobile communication devices only in the designated area, e.g. in the rear passenger compartment.

You must observe the legal requirements for the country in which you are currently driving when operating the multimedia system and mobile communication equipment in the vehicle.

**WARNING**
Risk of injury due to objects being stowed incorrectly

If objects in the vehicle interior are stowed incorrectly, they may slide or be thrown around and hit vehicle occupants. In addition, cup holders, open stowage spaces and mobile phone receptacles will not always be able to retain all objects that they contain in the event of an accident.

There is a risk of injury, particularly in the event of sudden braking or a sudden change in direction.

- ► Always stow objects such that they cannot be thrown around in such situations.
- ► Always make sure that objects do not protrude from stowage spaces, parcel nets or stowage nets.
- ► Close the lockable stowage spaces before starting a journey.
- ► Always stow and secure heavy, hard, pointed, sharp-edged, fragile or bulky objects in the trunk/cargo compartment.

**OBSERVE THE ADDITIONAL INFORMATION ON STOWING MOBILE COMMUNICATIONS DEVICES CORRECTLY:**

- Loading the vehicle (⟶ page 242)

Further information can be obtained from an authorized Mercedes-Benz Center or at the https://www.mercedes-benz-mobile.com.

**TELEPHONE MENU OVERVIEW**




1. Bluetooth® device name of the currently connected mobile phone/of the mobile phone
2. Bluetooth® device name of the currently connected mobile phone/of the mobile phone (when several mobile phones are connected)
3. Signal strength of the mobile phone network
4. Battery status of the connected mobile phone
5. Options
6. Messages
7. Calls up devices
8. Numerical pad
9. Starts contact search

## BLUETOOTH® PROFILE OVERVIEW

| Bluetooth® profile of the mobile phone | Function |
|---|---|
| PBAP (**P**hone **B**ook **A**ccess **P**rofile) | Contacts are automatically displayed in the multimedia system |
| MAP (**M**essage **A**ccess **P**rofile) | Message functions can be used |
| HFP (**H**ands **F**ree **P**rofile) | Wireless telephony is available |

## OVERVIEW OF MOBILE PHONE USAGE

### DEPENDING ON THE EQUIPMENT UP TO FOUR MOBILE PHONES CAN BE CONNECTED AT ONCE:

- A mobile phone is connected to the multimedia system via Bluetooth® (⟶ page 607).
- Additional mobile phones are connected with the multimedia system via Bluetooth® (⟶ page 608).
  - You can use all the functions of the multimedia system with all mobile phones.

ⓘ Irrespective of this, Bluetooth® audio functionality can by used with any mobile phone (⟶ page 643).

## INFORMATION ON TELEPHONY

### THE FOLLOWING SITUATIONS CAN LEAD TO THE CALL BEING DISCONNECTED WHILE THE VEHICLE IS IN MOTION:

- There is insufficient network coverage in the area
- You move from one transmission/reception station to another and no communication channels are free
- The SIM card used is not compatible with the network available
- A mobile phone with "Twincard" is logged into the network with the second SIM card at the same time

The multimedia system supports calls in HD Voice® for improved speech quality. A requirement for this is that the mobile phone and the mobile phone network provider of the person you are calling support HD Voice® .

Depending on the quality of the connection, the voice quality may fluctuate.

## CONNECTING A MOBILE PHONE

**Requirements:**

- Bluetooth® is activated on the mobile phone (see the manufacturer's operating instructions).
- Bluetooth® is activated on the multimedia system (⟶ page 538).

Multimedia system:




## SEARCHING FOR A MOBILE PHONE

► Select Connect New Device.

## AUTHORIZING A MOBILE PHONE

► Select a mobile phone.

A code is displayed in the multimedia system and on the mobile phone.

► **If the codes match:** confirm the code on the mobile phone.

When you connect an iPhone®, a prompt appears on the iPhone® asking whether notifications should be shown on the central display. If the request is confirmed on the iPhone®, all incoming calendar notifications (Appointment) on the iPhone® are first displayed as a message on the central display. In the

Notification center settings, you can adjust which notification category of the connected iPhone® should be displayed on the central display.

**AMONG OTHERS, THE FOLLOWING IPHONE® NOTIFICATION CATEGORIES CAN BE SELECTED:**

- Voicemail
- Social Media
- Appointment
- E-mail
- News
- Health & Fitness
- Business & Finance
- Location
- Entertainment
- Other

Only calendar notifications (Appointment) are shown on the central display by default.

**Customizing notifications for iPhone® apps**

► Select Apps.
A list of apps that can be selected for notifications on the central display appears.

► Select the app for which notifications should no longer be shown on the central display.

Notifications are activated for all apps by default.

ⓘ Further settings can be made in the Notification center (⟶ page 524).

ⓘ Up to 15 mobile phones can be authorized on the multimedia system.

ⓘ Up to four of the mobile phones activated in the driver's user profile are automatically reconnected.

ⓘ A mobile phone can be used by the driver and front passenger as a Bluetooth® audio device (⟶ page 643).

You can watch an animation on this topic via the following link:

**CONNECTING AN ADDITIONAL MOBILE PHONE**

**Requirements:**

- At least one mobile phone is already connected to the multimedia system via Bluetooth®.

Multimedia system:
⟶ ⌂ ⏩ Phone ⏩ ⚙ ⏩ Devices ⏩ Devices

► Select Connect New Device.

► Select the mobile phone.

### SWITCHING BETWEEN MOBILE PHONES

Multimedia system:

Phone

The connected mobile phones are shown individually in separate tabs.

- Select the tab with the desired mobile phone.

  Selecting the tab of a specific mobile phone displays the associated telephone contents.

  Selecting the other tab switches the view to the other telephone.

  The submenus in the Phone menu (e.g. contacts, call lists, messages) relate to the currently selected mobile phone with the exception of the telephone settings. In the telephone settings, settings can be made for both mobile phones.

### CHANGING THE FUNCTION OF A MOBILE PHONE

Multimedia system:

Phone Devices Devices

### ACTIVATING A FUNCTION

- Select the gray symbol for the required function in the line of a mobile phone.

  The corresponding function is activated.

### DEACTIVATING A FUNCTION

- **One function is active:** select the color symbol in the line of a mobile phone.

  The mobile phone is disconnected from the multimedia system.

- **Several functions are active:** de-select an active function in the line of one of the mobile phones.

  The corresponding function is deactivated.

### DELETING A MOBILE PHONE

Multimedia system:

Phone Devices

- Select Devices.
- Select [•••] in the line of the mobile phone.
- Select Delete Device.

  The mobile phone is deleted from the system.

### STARTING OR STOPPING MOBILE PHONE VOICE RECOGNITION

#### Requirements

- At least one mobile phone is connected to the multimedia system (→ page 607).
- The tab with the mobile phone for which voice recognition should be started is selected (→ page 609).

### STARTING MOBILE PHONE VOICE RECOGNITION

- Press and hold the button on the multifunction steering wheel for more than one second.

  Voice recognition is started for the currently selected mobile phone.

### STOPPING MOBILE PHONE VOICE RECOGNITION

- Press the or button on the multifunction steering wheel.

ⓘ If a mobile phone is connected via Smartphone Integration, the voice recognition of this mobile phone is always started or stopped.

**NOTE ABOUT CONTACT SUGGESTIONS**

The multimedia system can show contact suggestions based on frequently used contacts, outgoing calls and text messages. For this, the Allow Contact Suggestions option must be switched on (⟶ page 543).

When you open the call list or the message menu, contacts which you can call or write to will be suggested to you. Suggestions will be shown in the Suggestionstab.

ⓘ The multimedia system does not use the content of messages for suggestions.

**SELECTING OPTIONS FOR CONTACT SUGGESTIONS**

**Requirements:**

- The Allow Contact Suggestions option is switched on (⟶ page 543).
- The multimedia system has gathered sufficient data in order to show contact suggestions.

Multimedia system:

Phone

► Select Recent Calls or Contacts.

► Select Suggestions.

► Select [•••] in the line of the suggested contact.

**THE FOLLOWING OPTION IS AVAILABLE FOR SELECTION:**

- Do Not Suggest Now

# Calls

**TELEPHONE OPERATION**

Multimedia system:

Phone

**MAKING A CALL BY ENTERING NUMBERS**

► Select [⠿].

► Enter a number.

► Select [✆].

The call is made.

**ACCEPTING A CALL**

► Select [✆] Accept .

**REJECTING A CALL**

► Select [✆] Reject .

**ANSWERING A CALL WITH A MESSAGE**

► Select [✉] Message.

**ENDING A CALL**

► Select [✆].

**ACTIVATING FUNCTIONS DURING A CALL**

**THE FOLLOWING FUNCTIONS ARE AVAILABLE DURING A CALL:**

- [✆] End Call
- [🎤] Mic Off
- [⠿] Number Pad (show to send DTMF tones)
- [👤+] Add Call
- Hands-free

  Transfer the call, e.g. to Front, Rear or All Seats.

- Private Mode
  Transfer the call to the telephone or headphones, for example.

► Select a function.

ⓘ Observe that the functions and symbols can vary depending on the vehicle equipment.

**CONDUCTING CALLS WITH SEVERAL PARTICIPANTS**

**Requirements:**

- There is an active call (⟶ page 610).
- Another call is being made.

**SWITCHING BETWEEN CALLS**

► Select the contact.
The selected call is active. The other call is on hold.

**ACTIVATING A CALL ON HOLD**

► Select the contact of the call on hold.

**CONDUCTING A CONFERENCE CALL**

► Select Conference.
The new participant is included in the conference call.

**ENDING AN ACTIVE CALL**

► Select End Call.

ⓘ On some mobile phones, the call on hold is activated as soon as the active call is ended.

**ACCEPTING OR REJECTING A WAITING CALL**

**Requirements:**

- There is an active call (⟶ page 610).

If you receive a call while already in a call, a message is displayed.

Depending on the mobile phone and mobile phone network provider you will hear a call waiting signal.

If several mobile phones are connected, you will hear an acoustic signal when the call goes through to the other (not yet active) mobile phone.

► Select Accept.
The incoming call is active.
If only one mobile phone is connected with the multimedia system, the previous call will be put on hold.
If several mobile phones are connected and during a call you accept a call with the other mobile phone then the existing call is ended.

or

► Select Message.
The incoming call is not accepted.
You answer with a message.

or

► Select Reject.

The function and the behavior depend on your mobile phone network provider as well as on the mobile phone (see the manufacturer's operating instructions).

# Contacts

**INFORMATION ABOUT THE CONTACTS MENU**
The contacts menu contains all contacts from existing data sources, e.g. a mobile phone or data storage medium.

**DEPENDING ON THE DATA SOURCE, IT IS POSSIBLE TO SAVE/LOAD THE FOLLOWING NUMBER OF CONTACTS:**

- Permanently saved contacts: 3,000 entries
- Contacts loaded from the mobile phone: 5,000 entries per mobile phone

**FROM THE CONTACTS MENU, YOU CAN PERFORM THE FOLLOWING ACTIONS:**

- Make a call, for example call a contact (⟶ page 613)
- Navigation (⟶ page 567)
- Compose messages (⟶ page 615)
- Additional options (⟶ page 613)

Mobile phone contacts are automatically displayed when a mobile phone is connected to the multimedia system (⟶ page 607).

**DOWNLOADING MOBILE PHONE FAVORITE CONTACTS**
If the mobile phone supports the function, the favorites of the mobile phone are automatically loaded and appear in the overview of the phone menu.

**CALLING UP CONTACTS**
Multimedia system:
Phone » Contacts

**THE FOLLOWING OPTIONS CAN BE USED TO SEARCH FOR CONTACTS:**

- Searching by initials
- Searching by name
- Searching by phone number

▶ Enter characters into the search field.

▶ Select the contact.

**A CONTACT CAN CONTAIN THE FOLLOWING DETAILS:**

- Phone numbers
- Navigation addresses
- Internet address
- Email addresses
- Relationship (if set)

**MANAGING THE FORMAT OF A CONTACT'S NAME**
Multimedia system:
Phone »

▶ Select Name Format.
▶ Select an option.

**SAVING A MOBILE PHONE CONTACT**
Multimedia system:
Phone » Contacts

▶ Select [>] in the line of the mobile phone contact.

- ▶ Select [•••].
- ▶ Select Save.
- ▶ Select Yes.

  The contact saved in the multimedia system is identified by the MBUX symbol.

**CALLING A CONTACT**

Multimedia system:

→ [⌂] ⏩ Phone ⏩ Contacts

- ▶ Select [🔍] Search for Contacts.
- ▶ Enter characters into the search field.
- ▶ Select the contact.
- ▶ Select the telephone number.

  The number is dialed.

**SELECTING FURTHER OPTIONS IN THE CONTACTS MENU**

Multimedia system:

→ [⌂] ⏩ Phone ⏩ Contacts

- ▶ Select [>] in the line of the contact.
- ▶ Select [•••].
- ▶ Select an option.

**DELETING CONTACTS**

**Requirements:**

- The contacts are saved in the vehicle.
- To delete an individual contact, this has been imported manually into the vehicle.

Multimedia system:

→ [⌂] ⏩ Phone

**DELETING ALL CONTACTS**

- ▶ Select [⚙].
- ▶ Select Contacts.
- ▶ Select Delete All MBUX Contacts.
- ▶ Select an option.

**DELETING A CONTACT**

- ▶ Select Contacts.
- ▶ Select [>] in the line of the contact.
- ▶ Select [•••].
- ▶ Select Delete Contact.
- ▶ Select Yes.

# Call list

**OVERVIEW OF THE CALL LIST**

Depending on whether your mobile phone supports the Bluetooth® PBAP profile or not, the form and function of the call list differs as follows.

**IF THE PBAP BLUETOOTH® PROFILE IS SUPPORTED, THE EFFECTS ARE AS FOLLOWS:**

- The call lists from the mobile phone are displayed in the multimedia system.
- When connecting the mobile phone, you may have to confirm the connection for the PBAP Bluetooth® profile.

**IF THE PBAP BLUETOOTH® PROFILE IS NOT SUPPORTED, THE EFFECTS ARE AS FOLLOWS:**

- The multimedia system generates a call list independently as soon as calls are made in the vehicle.
- The call list is not synchronized with the call lists in the mobile phone.

**MAKING A CALL FROM THE CALL LIST**

Multimedia system:

Phone

- Select Recent Calls.
- Select an entry.
  The call is made.

**SELECTING ADDITIONAL OPTIONS IN THE CALL LIST**

Multimedia system:

Phone

- Select Recent Calls.
- For contacts that are in the address book: select options.
  The contact details are called up.
- For contacts where only one number is shown (not in the address book): select .

**DELETING THE CALL LIST**

Multimedia system:

Phone <Device name> Devices

- Select Delete Recent Calls.
- Select Yes.

This function is only available if your mobile phone does not support the PBAP Bluetooth® profile.

# Text messages

**OVERVIEW OF MESSAGE FUNCTIONS**

In the message menu you can receive text messages and Apple iMessages and create and send them with the help of the MBUX Voice Assistant.

If the connected mobile phone supports the Bluetooth® MAP profile, the message function can be used on the multimedia system.

You can obtain further information about settings and supported functions of Bluetooth®-capable mobile phones at a Mercedes-Benz service center or at: https://www.mercedes-benz-mobile.com/.

Some mobile phones require further settings after being connected to the multimedia system to activate the messaging functionality (see manufacturer's operating instructions).

**SETTING MESSAGE DISPLAYS**

Multimedia system:

Phone <Device name> Devices

- Select Message Display.

- Select On or Off.

**READING MESSAGES**

Multimedia system:

Phone <device name>

**USING THE READ-ALOUD FUNCTION**

A message list is shown.

- To read aloud, select the symbol at a conversation.

  The message is read aloud.

**CREATING AND SENDING A NEW MESSAGE**

**Requirements**

- There is an Internet connection.

Multimedia system:

Phone <Device name>

- Using the MBUX voice assistant, speak the voice command Send a message to, and name the desired contact (→ page 494).

**DICTATING TEXT**

- Say the message.

  You are guided by the voice dialog.

**REPLYING TO A MESSAGE IN THE MESSAGING HISTORY**

Multimedia system:

Phone <device name>

A message list is shown.

- Select next to a contact.

  The messaging history with this contact is shown. You will be guided through the steps with the help of a voice dialog.

- Select .

  The dictation function is started.

- Say the message.

  After the voice message has been processed, it is shown as text.

- Select Send or speak in the dialog.

**FORWARDING MESSAGES**

Multimedia system:

Phone <Device name>

A message list is shown.

- Speak the voice command Forward message.

  You are guided by the voice dialog.

**CALLING A MESSAGE SENDER**

Multimedia system:

Phone <device name>

A message list is shown.

- Select next to a contact.

  The messaging history with this contact is shown.

- Select .

- Select Call.

### USING TELEPHONE NUMBERS, URLS OR EMAIL ADDRESSES FROM A TEXT MESSAGE

**Requirements**

- An Internet connection is available to call up a URL.

Multimedia system:
Phone >> <Device name> >>
A message list is shown.

- ▶ Select [>] next to a contact.
  The messaging history with this contact is shown.
- ▶ Select a telephone number or a URL in the message.
  If a URL is selected the web browser opens.
  **IF A TELEPHONE NUMBER IS SELECTED THE FOLLOWING OPTIONS ARE AVAILABLE:**
  - Call
  - New Message
- ▶ Select an option.

### DELETING A MESSAGE

Multimedia system:
Phone >> <Device name> >>
A message list is shown.

- ▶ Select a contact.
- ▶ Press and hold on a message.
- ▶ **To delete the message:** select Delete.

# Apple CarPlay®

### OVERVIEW OF APPLE CARPLAY®

**WARNING**
Risk of distraction from information systems and communications equipment

If you operate information systems and communication devices integrated in the vehicle when driving, you could be distracted from the traffic situation. This could also cause you to lose control of the vehicle.

- ▶ Only operate this equipment when the traffic situation permits.
- ▶ If you cannot be sure of this, stop the vehicle whilst paying attention to road and traffic conditions and operate the equipment with the vehicle stationary.

You must observe the legal requirements for the country in which you are currently driving when operating the multimedia system.
iPhone® functions can be used via the multimedia system using Apple CarPlay®. They are operated using the touchscreen, Touch Control or Siri® voice control. You can activate voice control by pressing and holding the [] button on the multifunction steering wheel.

By briefly pressing the [] button on the multifunction steering wheel you can continue to operate the multimedia system using the MBUX Voice Assistant (→ page 494).

Only one iPhone® at a time can be connected via Apple CarPlay® with the multimedia system.

As access to the iPhone® is restricted by MBUX when a CarPlay® session is active, not all MBUX functions (e.g. dialing from the address book) can be fully provided for the connected device. In this case use Apple CarPlay®.

The full range of functions for Apple CarPlay® is only available with an Internet connection.

The availability of Apple CarPlay® may vary according to the country.

The service provider is responsible for this application and the services and content connected to it.

Apple CarPlay® is a registered trademark of Apple Inc.

You can watch an animation on this topic via the following link:

**INFORMATION ON APPLE CARPLAY®**

The Apple CarPlay® symbol in the status line switches from the multimedia system to the last display within Apple CarPlay®.

If route guidance is already active on the multimedia system, it is closed when route guidance is started on the mobile phone.

**CONNECTING AN IPHONE® VIA APPLE CARPLAY® (CABLE)**

**Requirements:**

- The current version of your device's operating system is being used (see the manufacturer's operating instructions).

ⓘ For safety reasons, the first activation of Apple CarPlay® on the multimedia system must be carried out when the vehicle is stationary and the parking brake applied.

- ▶ Connect the iPhone® to a USB port on the multimedia system using a suitable cable (⟶ page 643).

  When the iPhone® is connected for the first time, a message about data protection regulations appears.
- ▶ Select Accept & Start if the application should be started.

or

- ▶ Open the device manager (⟶ page 608).
- ▶ Start Apple CarPlay® using the relevant symbol next to the device name.

ⓘ If applicable, a message about data protection regulations appears.

- ▶ If required confirm the use of Apple CarPlay® on your iPhone®.

**EXITING APPLE CARPLAY®**

- ▶ Select [⌂].

or

- ▶ Press the [⌂] button on the Touch Control (MBUX multimedia system).

ⓘ If Apple CarPlay® was not displayed in the foreground before disconnecting, the application starts in the background when reconnected. You can call up Apple CarPlay® using the Apple CarPlay® symbol in the status line.

## CONNECTING AN IPHONE® VIA APPLE CARPLAY® (WIRELESS)

**Requirements:**

- The current version of your device's operating system is being used (see the manufacturer's operating instructions).
- Bluetooth® is activated on the device (see the manufacturer's operating instructions).
- The device is "visible" for other devices.

ⓘ For safety reasons, the first activation of Apple CarPlay® on the multimedia system must be carried out when the vehicle is stationary and the parking brake applied.

Multimedia system:

Phone » Devices

▶ Connect the mobile phone using Bluetooth® (⟶ page 607).

▶ When the iPhone® is connected with the multimedia system for the first time, the use of Apple CarPlay® must be confirmed on the iPhone®.

A message appears on the multimedia system about the data protection regulations.

▶ Select OK, start Apple CarPlay if the application should be started.

ⓘ It is possible at any time to switch between a connection via Bluetooth® or Apple CarPlay® (wireless) in the device list.

ⓘ If you have already connected a mobile phone via Bluetooth®, you can connect another iPhone® via Bluetooth® to use Apple CarPlay® via the device manager.

## EXITING APPLE CARPLAY®

▶ Select [⌂].

or

▶ Press the [⌂] button on the Touch Control (MBUX multimedia system).

ⓘ If Apple CarPlay® was not displayed in the foreground before disconnecting, the application starts in the background when reconnected. You can call up Apple CarPlay® using the Apple CarPlay® symbol in the status line.

## CALLING UP APPLE CARPLAY® SOUND SETTINGS

Multimedia system:

Settings » System » Audio

▶ Select the sound settings.

## ENDING APPLE CARPLAY®

▶ Select the Apple CarPlay® symbol in the device manager (telephone, media) that is next to the device name of the iPhone®.

ⓘ Select the Apple CarPlay® symbol in the device manager in the telephone or media applications if Apple CarPlay® should be restarted.

# Android Auto

## ANDROID AUTO OVERVIEW

**WARNING**
Risk of distraction from information systems and communications equipment

If you operate information systems and communication devices integrated in the vehicle when driving, you could be distracted from the traffic situation. This could also cause you to lose control of the vehicle.

- Only operate this equipment when the traffic situation permits.
- If you cannot be sure of this, stop the vehicle whilst paying attention to road and traffic conditions and operate the equipment with the vehicle stationary.

You must observe the legal requirements for the country in which you are currently driving when operating the multimedia system.
Mobile phone functions can be used with Android Auto using the Android operating system on the multimedia system. They are operated using the touchscreen, Touch Control or voice control. You can activate the voice control system by pressing and holding the button on the multifunction steering wheel.

By briefly pressing the button on the multifunction steering wheel you can continue to operate the multimedia system using the MBUX Voice Assistant (⟶ page 494).

Only one mobile phone at a time can be connected via Android Auto with the multimedia system.

The full range of functions for Android Auto is only possible with an Internet connection.

The availability of Android Auto and Android Auto apps may vary according to the country.

The service provider is responsible for this application and the services and content connected to it.

You can watch an animation on this topic via the following link:

## INFORMATION ON ANDROID AUTO

The Android Auto symbol in the status line switches from the multimedia system to the last display within Android Auto.

If route guidance is already active on the multimedia system, it is closed when route guidance is started on the mobile phone.

## CONNECTING A MOBILE PHONE VIA ANDROID AUTO (CABLE)

**Requirements:**

- The mobile phone supports Android Auto from Android 5.0.
- The current version of the Android Auto app is installed on the mobile phone.
- In order to use the telephone functions, the mobile phone must be connected to the multimedia system via Bluetooth® (⟶ page 607).

  If there was no prior Internet connection, this is established with the use of the mobile phone with Android Auto.

For safety reasons, the first activation of Android Auto on the multimedia system must be carried out when the vehicle is stationary and the parking brake applied.

- ► Connect the mobile phone to a USB port on the multimedia system using a suitable cable (⟶ page 643).

  When the smartphone is connected for the first time, a message about data protection regulations appears.
- ► Select Accept & Start if the application should be started.

or

- ► Open the device manager (⟶ page 608).
- ► Start Android Auto using the relevant symbol next to the device name.

**EXITING ANDROID AUTO**

- ► Select [⌂].

or

- ► Press the [⌂] button on the Touch Control (MBUX multimedia system).

ⓘ If Android Auto was not displayed in the foreground before disconnecting, the application starts in the background when reconnected. You can call up Android Auto using the Android Auto symbol in the status line.

**CONNECTING A MOBILE PHONE VIA ANDROID AUTO (WIRELESS)**

**Requirements:**

- The current version of your device's operating system is being used (see the manufacturer's operating instructions).
- The device supports the Android Auto function (wireless).
- Bluetooth® is activated on the device (see the manufacturer's operating instructions).
- The device is "visible" for other devices.
- Bluetooth® is activated on the multimedia system (⟶ page 538).

ⓘ For safety reasons, the first activation of Android Auto on the multimedia system must be carried out when the vehicle is stationary and the parking brake applied.

ⓘ The Android Auto function (wireless) is not available in all countries.

Multimedia system:

[⌂] ⏩ Phone ⏩ [⚙] ⏩ Devices

- ► Connect the mobile phone using Bluetooth® (⟶ page 607).

  A message about data protection regulations appears on the multimedia system.

  Depending on the device, it may take several seconds until the message about data protection regulations appears.
- ► Select Accept & Start.

ⓘ It is possible at any time to switch between a connection via Bluetooth® or Android Auto (wireless) in the device list.

ⓘ If you have already connected a mobile phone via Bluetooth®, you can connect additional mobile phones via Bluetooth® to use Android Auto via the device manager.

**EXITING ANDROID AUTO**

- ▶ Select [⌂].

or

- ▶ Press the [⌂] button on the Touch Control (MBUX multimedia system).

ⓘ If Android Auto was not displayed in the foreground before disconnecting, the application starts in the background when reconnected. You can call up Android Auto using the Android Auto symbol in the status line.

**CALLING UP THE ANDROID AUTO SOUND SETTINGS**

Multimedia system:

[⌂] ▶▶ Settings ▶▶ System ▶▶ Audio

- ▶ Select the sound settings.

**ENDING ANDROID AUTO**

- ▶ Select the Android Auto symbol in the device manager (telephone, media) that is next to the device name of the mobile phone.

ⓘ Select the Android Auto symbol in the device manager if Android Auto should be restarted.

# Transferred vehicle data with Android Auto and Apple CarPlay®

**OVERVIEW OF TRANSFERRED VEHICLE DATA**

When using Smartphone Integration, certain vehicle data is transferred to the mobile phone. This enables you to get the best out of selected mobile phone services. Vehicle data is not directly accessible.

**THE FOLLOWING SYSTEM INFORMATION IS TRANSMITTED:**

- Software release of the multimedia system
- System ID (anonymized)

The transfer of this data is used to optimize communication between the vehicle and the mobile phone.

To do this, and to assign several vehicles to the mobile phone, a vehicle identifier is randomly generated.

This has no connection to the vehicle identification number (VIN) and is deleted when the multimedia system is reset (⟶ page 546).

**THE FOLLOWING DRIVING STATUS DATA IS TRANSMITTED:**

- Transmission position engaged
- Distinction between parked, standstill, rolling and driving
- Day/night mode of the driver display
- Drive type
- Vehicle temperature
- Charging cable connector

The transfer of this data is used to alter how content is displayed to correspond to the driving situation.

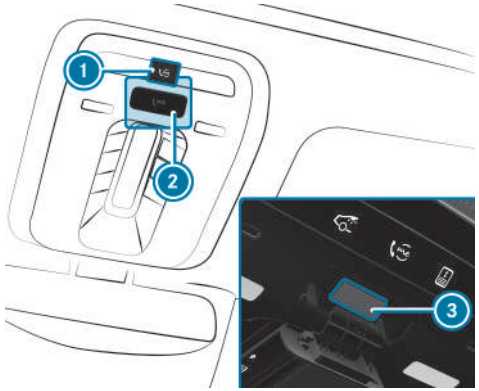
**THE FOLLOWING POSITION DATA IS TRANSMITTED:**

- Coordinates
- Speed
- Compass direction
- Acceleration direction
- Height

This data is used by the mobile phone to improve the accuracy of the navigation (e.g. for continuation in a tunnel).

# Mercedes-Benz Support Calls

**MAKING A CALL VIA THE OVERHEAD CONTROL PANEL**




1 me button for Mercedes-Benz Support Call
2 SOS button cover
3 SOS button (emergency call system)

**Making a Mercedes-Benz Support Call**

► Press me button 1.

**MAKING AN EMERGENCY CALL**

► To open the cover of SOS button 2 , press it briefly.

► Press and hold SOS button 3 for at least one second.

If a Mercedes-Benz Support Call is active, an emergency call can still be triggered. This has priority over all other active calls.

**INFORMATION ON THE MERCEDES-BENZ SUPPORT CALL VIA THE ME BUTTON**

A call was made via the me button to Mercedes-Benz Support via the overhead control panel or the multimedia system (⟶ page 622).

**USING THE VOICE DIALOG SYSTEM YOU ACCESS THE DESIRED SERVICE:**

- Accident and Breakdown Management
- Mercedes-Benz Support for general information about the vehicle

**YOU CAN FIND INFORMATION ON THE FOLLOWING TOPICS:**

- Activation of Digital Extras
- Operating the vehicle
- Nearest authorized Mercedes-Benz Center
- Further products from Mercedes-Benz

Data is transferred during the connection to Mercedes-Benz Support (⟶ page 625).

**CALLING MERCEDES-BENZ SUPPORT USING THE MULTIMEDIA SYSTEM**

**Requirements:**

- Access to a mobile phone network is available.
- Sufficient network coverage is provided by the mobile phone network providers in the respective region.
- For automatic transmission of vehicle data: the vehicle is switched on.

Multimedia system:

Phone

► Call Mercedes-Benz Support.

- After confirmation, the multimedia system sends the required vehicle data. The data transfer is shown in the display.

► Select a service via the voice dialog system.

You will be put in touch with a contact person at Mercedes-Benz Support.

**THE FOLLOWING SELECTIONS MAY BE AVAILABLE:**

- Accident and Breakdown Management
- Workshop service
- Mercedes-Benz Support for general information about the vehicle

ⓘ The availability of the individual selection options is country-dependent.

**CALLING MERCEDES-BENZ SUPPORT AFTER AUTOMATIC ACCIDENT/BREAKDOWN DETECTION**

**Requirements:**

The vehicle can detect accident or breakdown situations under certain circumstances.

**Accident:** no requirements.

**Breakdown:**

- The vehicle is stationary.
- The hazard warning lights are switched on.

Additional requirements may apply for collision detection with a parked vehicle (⟶ page 388).

ⓘ This function is not available in all countries.

**ACCIDENT/BREAKDOWN DETECTION PROCEDURE**

- The vehicle has detected an accident or breakdown situation (⟶ page 388).
- In the event an accident or breakdown is detected, the emergency guide shows safety notes in the multimedia system display. This may take a few seconds.

  Depending on the severity of the accident, an automatic emergency call can be initiated. This has priority over all other active calls (⟶ page 631).

► Exit the emergency guide display.

A prompt appears asking whether you would like to receive support from Mercedes-Benz Support.

► **Assistance from Mercedes-Benz Support immediately after the breakdown or accident has been recognized:** select Call.

- The vehicle data is transferred automatically after your consent or if the "Breakdown Management" Digital Extra is activated (⟶ page 627).
- Mercedes-Benz Support will take your call and organize accident/breakdown assistance.

You may be charged for these services.

► **Support from Mercedes-Benz Support at a later time:** select Call Later.

The message will disappear and reappear at a later time.

**Additional prompt when the "Guard 360" Digital Extra is active:** if the "Guard 360" Digital Extra is active, a message may appear in the multimedia system when the vehicle is switched on after a collision is detected, indicating the affected area and the severity of the impact.

► **Support from Mercedes-Benz Support directly after collision detection:** select Call.

► **No support from Mercedes-Benz Support required:** reject the prompt.

**EMERGENCY GUIDE**

Depending on the type and severity of the accident or a breakdown, the emergency guide can show safety notes in the central display.

**AUTOMATIC ACTIVATION OF THE EMERGENCY GUIDE IS POSSIBLE DEPENDING ON THE SITUATION WHEN:**

- The restraint system was triggered
- An emergency call was made via the vehicle interface
- Certain breakdown situations have occurred

**THE SAFETY NOTES INCLUDE FOR EXAMPLE:**

- Recommended actions when leaving the vehicle
- Procedure for safely removing seat belts in the event of an accident whereby the vehicle comes to rest on its roof

ⓘ The availability as well as the scope of the emergency guide can vary depending in the country and vehicle equipment.

**ARRANGING A SERVICE APPOINTMENT VIA A MERCEDES-BENZ SUPPORT CALL**

If you have activated the Digital Extra Maintenance Management, relevant vehicle data is automatically transferred to Mercedes-Benz Support. You will

then receive individual recommendations regarding the maintenance of your vehicle.

Regardless of whether you have consented to the maintenance management service, the multimedia system reminds you after a certain amount of time that a service is due. A prompt appears asking if you would like to make an appointment.

- **To arrange a service appointment:** select Call.

  The vehicle data will be transferred after your approval and Mercedes-Benz Support will accept your appointment request. The information is then sent to your desired service outlet.

  This will contact you to confirm the appointment and if necessary consult about the details.

ⓘ If you select Call Later after the service message appears, the message is hidden and reappears at a later time.

**DATA TRANSMITTED DURING A MERCEDES-BENZ SUPPORT CALL**

If you initiate Mercedes-Benz Support Call, data is transferred to enable targeted advice and an efficient service.

**THE FOLLOWING REQUIREMENTS MUST BE FULFILLED FOR THE TRANSFER OF THE DATA:**

- The vehicle is switched on.
- The required data transfer technology is supported by the mobile phone network provider.
- The quality of the mobile connection is sufficient.

**MULTI-STAGE TRANSFER DEPENDS ON THE FOLLOWING FACTORS:**

- Reason for the initiation of the call
- The available mobile phone transmission technology
- Activated Digital Extras
- The service selected in the voice control system

ⓘ The scope of the transmitted data depends on the vehicle model and its equipment. For technical reasons, not all data is available at all times.

**DATA TRANSMISSION WHEN DIGITAL EXTRAS ARE NOT ACTIVATED**

**IF NO DIGITAL EXTRAS ARE ACTIVATED, THE FOLLOWING DATA IS TRANSMITTED:**

- Vehicle identification number
- Time of the call
- Reason for the initiation of the call
- Confirmation of the data protection prompt
- Country indicator of the vehicle
- Set language for the multimedia system
- Telephone number of the communication platform installed in the vehicle

**IF A CALL IS MADE FOR A SERVICE APPOINTMENT VIA THE SERVICE REMINDER, THE FOLLOWING DATA IS ALSO TRANSMITTED:**

- Current mileage and maintenance data

**IF A CALL IS MADE AFTER AUTOMATIC ACCIDENT OR BREAKDOWN DETECTION USING THE MULTIMEDIA SYSTEM, THE FOLLOWING DATA IS ALSO TRANSMITTED:**

- Current mileage and maintenance data
- Current vehicle location

**IF ACCIDENT AND BREAKDOWN MANAGEMENT HAS BEEN SELECTED VIA THE VOICE DIALOG SYSTEM, THE FOLLOWING DATA CAN ALSO BE REQUESTED FROM THE VEHICLE BY MERCEDES-BENZ SUPPORT:**

- Current vehicle location

**DATA PROCESSING**

The data transmitted as part of the call will be deleted from the transmitting systems once the call has been completed, provided they are not used for other activated Digital Extras.

The incident-specific data is processed and stored by Mercedes-Benz Support and, if required to process the incident, forwarded to the service partner authorized by Mercedes-Benz Support. Please observe the data protection note on the Mercedes-Benz website at https://me.secure.mercedes-benz.com or in the announcement immediately after a call to Mercedes-Benz Support is connected.

ⓘ The recorded message is not available in every country.

# Call options via Digital Extras

**INFORMATION ON DIGITAL EXTRAS WITH CALL FUNCTION**

**YOU CAN USE THE FOLLOWING DIGITAL EXTRAS WITH CALL FUNCTION VIA THE MULTIMEDIA SYSTEM AND THE OVERHEAD CONTROL PANEL, FOR EXAMPLE:**

- Accident Recovery (me button or the situation-dependent display in the multimedia system)
- Breakdown Management (me button or the situation-dependent display in the multimedia system)
- Mercedes-Benz emergency call system (automatic emergency call and SOS button)

The Digital Extras Accident and Breakdown Management and the Mercedes-Benz emergency call system are available to you around the clock.

The me button and the SOS button can be found on the vehicle's overhead control panel (⟶ page 622).

You can also call Mercedes-Benz Support via the multimedia system (⟶ page 623).

Please note that calling via Digital Extras is a Mercedes-Benz service. In an emergency, use the emergency call system in the vehicle (⟶ page 74) or contact the standard national emergency numbers.

Please note the terms of use and the data protection notes for Digital Extras. You can find these in your Mercedes-Benz user account.

Further information on Digital Extras can be found in the Mercedes-Benz Portal: https://www.mercedes-benz.com.cn/mercedes-me.html

## ACCIDENT AND BREAKDOWN MANAGEMENT DIGITAL EXTRAS

ⓘ The Accident and Breakdown Management Digital Extras are not available in every country. Contact a authorized Mercedes-Benz Center to find out whether this function is available in your country.

### THE ACCIDENT AND BREAKDOWN MANAGEMENT CAN INCLUDE THE FOLLOWING FUNCTIONS:

- Supplement to the Mercedes-Benz emergency call system (⟶ page 74)

  If necessary, the contact person at the Mercedes-Benz emergency call center forwards the call to Accident and Breakdown Management. Forwarding the call is however not possible in all countries.
- Roadside assistance by a technician on location and/or the towing away of the vehicle to the nearest authorized Mercedes-Benz Center

  You may be charged for these services.
- Addition to the emergency guide after automatic accident or breakdown detection (⟶ page 623)

  In the event of a breakdown or accident, further vehicle data is sent which enables optimal support by Mercedes-Benz Support and the authorized service partner or breakdown assistance.
- Supplement to the Digital Extra Telediagnosis

  With the Telediagnosis function, specific wear and failure reports are recorded by the service provider, in so far as these can be clearly interpreted and are available through the monitoring of components that are subject to diagnostics.

  If your vehicle detects a breakdown or threat of a breakdown, you may be prompted via the multimedia system to contact Mercedes-Benz Support for further help. This prompt in the multimedia system only appears when the vehicle is grounded.

ⓘ These Digital Extras are subject to technical restrictions such as the mobile phone coverage, mobile network quality and the ability of the processing systems to interpret the transferred data. In some circumstances, this can result in delays or the failure of the information to appear in the multimedia system.

Please note that the Mercedes-Benz Support Call is a Mercedes-Benz service. In emergencies, be sure to contact the usual national emergency number first or use the Mercedes-Benz emergency call system (⟶ page 630).

You can find more information on Digital Extras on the Mercedes-Benz Portal: https://me.secure.mercedes-benz.com

### DATA TRANSFERRED FOR CALLS VIA DIGITAL EXTRAS

### THE DATA TRANSFERRED DURING THE MERCEDES-BENZ SUPPORT CALL DEPENDS ON:

- The reason for initiation of the call
- The service that is selected in the voice control system
- The activated Digital Extras (⟶ page 625)

Which data is transferred for the Digital Extras can be taken from the currently valid terms of use and the data protection notes for Digital Extras. You can find these in your Mercedes me ID.

# MB Apps (Digital Extras)

**INFORMATION ON MB APPS AND DIGITAL EXTRAS**

With a Mercedes me ID, you have access to services and offers from Mercedes-Benz.

Availability is dependent both on the country and equipment.

Availability is country-dependent.

You can obtain further information at an authorized Mercedes-Benz Center or in the Mercedes-Benz Portal: https://www.mercedes.me

**CALLING UP THE MERCEDES ME ID USER ACCOUNT**

Multimedia system:

→ [⌂] » MB Apps » Mercedes me

**YOU HAVE A MERCEDES ME ID AND THE VEHICLE IS LINKED TO THE MERCEDES ME ID**

- ► Select Mercedes me ID.

  Information regarding the linked Mercedes me ID user account appears.

**YOU DO NOT YET HAVE A MERCEDES ME ID AND THE VEHICLE IS NOT YET LINKED TO THE MERCEDES ME ID**

ⓘ If you do not yet have a Mercedes me ID, you can create a Mercedes me ID at: https://www.mercedes.me or in the Mercedes-Benz App. A valid email address or phone number is required for this.

- ► Select [⌂].
- ► Select MB Apps.
- ► Select Mercedes me.
- ► To link your Mercedes me ID to the vehicle, follow the instructions on the display.

ⓘ If the Mercedes-Benz App is available on a mobile phone, the vehicle link can be made via the displayed QR code.

**CALLING UP DIGITAL EXTRAS**

**Requirements:**

- The vehicle is linked to your Mercedes me ID.

Multimedia system:

→ [⌂] » MB Apps » Mercedes me

- ► Select My Digital Extras.

  The Digital Extras for which you have a valid license are displayed in alphabetical order.

**ORDERING OR RENEWING DIGITAL EXTRAS**

To order or extend Digital Extras, use the Mercedes-Benz Store.

- ► Select [⌂].
- ► Select Store.

**REMOVING THE LINK BETWEEN YOUR MERCEDES ME ID AND THE VEHICLE**

**Requirements:**

- The Mercedes me ID that was first linked to the vehicle is registered.
- The user profile is synchronized (⟶ page 522).

- A Mercedes me PIN has been set.

Multimedia system:

→ MB Apps » Mercedes me

▶ Select Mercedes me ID.

▶ Select Delete vehicle connection.

ⓘ Only the user whose Mercedes me ID was first linked to the vehicle can delete the link between all users and the vehicle.

**SELECTING APPS**

**Requirements:**

- Depending on the app, the general terms and conditions are confirmed.

Multimedia system:

→ Apps

▶ Select an app.

**THE FOLLOWING APPS ARE AVAILABLE, FOR EXAMPLE:**

- Weather
- Browser
- Additional apps, which are purchased or installed subsequently

ⓘ You can also access both of the first two apps via the quick access at Apps.

ⓘ The available features are country-dependent.
License fees may be applicable.

**THE FOLLOWING FUNCTIONS ARE AVAILABLE FOR APPS, FOR EXAMPLE:**

- Search function
- Filter function, for displaying search results at the current vehicle position or at the destination
- Display of detailed information
- Read-aloud function
- Setting functions

**USING THE GALLERY APP**

Multimedia system:

→ Apps

▶ Select Gallery.

**IMAGES AND VIDEO RECORDINGS ARE DISPLAYED FROM THE FOLLOWING SOURCES, FOR EXAMPLE:**

- Dashcam video recordings
- Collision detection images
- Video recordings and images from other available sources
- Camera app
- Favourites

▶ Select a tab.

ⓘ The Gallery app is also available on the front passenger display.

**FILTERING DISPLAYS**

- Select [⚙].
- Select an option.
  All files, all images or all video recordings are displayed.

**PLAYING BACK A VIDEO RECORDING**

- Select [▶].
  Playback starts.
- **To continue playback in full screen mode:** tap on the display.
- **To pause playback:** select [⏸].
- **To continue playback from the desired position:** move the [◉] position on the timeline by sliding it.
- **To select the previous or next video recording:** swipe to the right or left.

**SCROLLING AND ZOOMING IMAGES**

- **To scroll:** swipe on the image in one direction.
- **To zoom:** tap twice in quick succession on an image.
- **To select the previous or next image:** swipe to the right or left.

**ADDING OR REMOVING A FILE FROM THE FAVOURITES**

- Press and hold on a file.
- Select Add to Favorites/Remove from Favorites.
  A corresponding message appears.

**SWITCHING WRITE PROTECTION ON OR OFF**

ⓘ Active write protection is not supported by every app.

- Press and hold on a file.
- Activate [⬤] or deactivate [○] Write Protection.

**DELETING FILES**

- Select [✎].
- **To delete a single file:** tap on a file.
  [✓] will appear.
- **To delete all files:** tap on [☑].
- **To delete:** select [🗑].
  A prompt appears.
- Select Yes.

ⓘ A single file can be deleted even after a long press on the file.

# Mercedes-Benz emergency call system

**INFORMATION ON THE MERCEDES-BENZ EMERGENCY CALL SYSTEM**

Your vehicle is equipped with the Mercedes-Benz emergency call system (“eCall”). This feature can help save lives in the event of an accident. eCall in no way replaces assistance provided from dialing 911.

The Mercedes-Benz emergency call system is generally available for your vehicle for 10 years ex works.

Mercedes-Benz eCall only functions in areas where mobile phone coverage is available from the wireless service providers. Insufficient network coverage from the wireless service providers may result in an emergency call not being transmitted.

eCall is a standard feature in your Mercedes-Benz vehicle. In order to function as intended, the system relies on the transmission of data detailed in the Transmitted Data section that follows.

To disable eCall, a customer must visit an authorized Mercedes-Benz Service department to deactivate the vehicle's communication module.

**Deactivation of this module prevents the activation of all Digital Extras. After the deactivation of eCall, automatic emergency call and manual emergency call will not be available.**

The vehicle must be switched on before an automatic emergency call can be made.

ⓘ eCall can be deactivated by an authorized Mercedes-Benz dealer. Please note that in the event ownership of the vehicle is transferred to another owner in its deactivated state, eCall will remain deactivated unless the new owner visits an authorized Mercedes-Benz dealership to reactivate the system.

**OVERVIEW OF THE MERCEDES-BENZ EMERGENCY CALL SYSTEM**

eCall can help to reduce the time between an accident and the arrival of emergency services at the site of the accident. It helps locate an accident site in places that are difficult to access. However, even if a vehicle is equipped with eCall, this does not mean the system is ON. As such, eCall does not replace dialing 911 in the event of an accident.

An emergency call can be made automatically or manually.

Only make emergency calls if you or others are in need of rescue. Do not make an emergency call in the event of a breakdown or a similar situation.

**INFORMATION ON THE DISPLAY:**

SOS NOT READY: the vehicle is not on or eCall not available.

During an active emergency call, SOS appears in the display.

You can find more information on the regional availability of eCall at: https://www.mercedes-benz-mobile.com/extra/ecall/

ⓘ In case of a malfunction of the emergency call system, the loudspeakers, microphone, air bag or the SOS button, for example, are faulty.

**YOU CAN RECOGNIZE A MALFUNCTION IN THE EMERGENCY CALL SYSTEM BY THE FOLLOWING DISPLAYS:**

- A corresponding message appears on the driver and media display (⟶ page 927).
- The SOS button lights up red continuously.

**TRIGGERING AN AUTOMATIC MERCEDES-BENZ EMERGENCY CALL**

**Requirements:**

- The vehicle is switched on.
- The starter battery is sufficiently charged.

**THE MERCEDES-BENZ EMERGENCY CALL SYSTEM TRIGGERS AN EMERGENCY CALL AUTOMATICALLY IN THE FOLLOWING CASES:**

- After activation of the restraint systems such as air bags or Emergency Tensioning Devices after an accident

- After an automatically initiated emergency stop by Active Emergency Stop Assist

**THE EMERGENCY CALL HAS BEEN MADE:**

- A voice connection is made to the Mercedes-Benz emergency call center.
- A message with accident data is transmitted to the Mercedes-Benz emergency call center.

  The Mercedes-Benz emergency call center can transmit the vehicle position data to one of the emergency call centers.

The SOS button in the overhead control panel flashes until the emergency call is finished.

It is not possible to immediately end an automatic emergency call.

If no connection can be made to the emergency services either, a corresponding message appears in the media display.

► Dial the local emergency number on your mobile phone.

**IF AN EMERGENCY CALL HAS BEEN INITIATED:**

- Remain in the vehicle if the road and traffic conditions permit you to do so until a voice connection is established with the emergency call center operator.
- Based on the call, the operator decides whether it is necessary to call rescue teams and/or the police to the accident site.
- If no vehicle occupant answers, an ambulance is sent to the vehicle immediately.

**TRIGGERING A MANUAL MERCEDES-BENZ EMERGENCY CALL**

► **To use the SOS button in the overhead control panel:** press the SOS button for at least one second (⟶ page 622).

or

► **To use voice control:** use the voice commands of the MBUX voice assistant (⟶ page 499).

**THE EMERGENCY CALL HAS BEEN MADE:**

- A voice connection is made to the Mercedes-Benz emergency call center.
- A message with accident data is transmitted to the Mercedes-Benz emergency call center.

  The Mercedes-Benz emergency call center can transmit the vehicle position data to one of the emergency call centers.
- Remain in the vehicle if the road and traffic conditions permit you to do so until a voice connection is established with the emergency call center operator.
- Based on the call, the operator decides whether it is necessary to call rescue teams and/or the police to the accident site.

If no connection can be made to the emergency services, a corresponding message appears in the central display.

► Dial the local emergency number on your mobile phone.

**ENDING AN UNINTENTIONALLY TRIGGERED MANUAL MERCEDES-BENZ EMERGENCY CALL**

► Select  on the multifunction steering wheel. Depress button for several seconds.

**DATA TRANSFER OF THE MERCEDES-BENZ EMERGENCY CALL SYSTEM**

**IN THE EVENT OF AN AUTOMATIC OR MANUAL EMERGENCY CALL THE FOLLOWING DATA IS TRANSMITTED, FOR EXAMPLE:**

- Vehicle's GPS position data
- GPS position data on the route (a few 300 feet (100 m) before the incident)
- Direction of travel
- Vehicle identification number
- Vehicle drive type
- Number of people detected in the vehicle
- Digital Extras available or not
- Whether the emergency call was initiated manually or automatically
- Time of the accident
- Language setting on the multimedia system

Data transmitted is vehicle information. For any questions about the collection, use and sharing of the eCall system data, please contact MBUSA's Customer Assistance Center at 800-FOR-MERC.

For Canada, please contact MBC's Customer Assistance Center at 1-800-387-0100.

Customer requests for covered information should be submitted via the same channels.

**FOR ACCIDENT CLARIFICATION PURPOSES, THE FOLLOWING MEASURES CAN BE TAKEN UP TO AN HOUR AFTER THE EMERGENCY CALL HAS BEEN INITIATED:**

- The current vehicle position can be determined.
- A voice connection to the vehicle occupants can be established.

**SELF-DIAGNOSIS FUNCTION OF THE EMERGENCY CALL SYSTEM**

Your vehicle checks the functionality of the emergency call system every time the vehicle is switched on.

During this time, the SOS button lights up red continuously for five seconds.

In the event of a system failure, you will be informed via a text message on the driver display and the red SOS NOT READY indicator on the central display or media display.

Please make sure, that within 30 seconds after switching the vehicle ON, the red indicator SOS NOT READY in the upper right corner of the display is switched OFF. This means the emergency call system passed diagnostics successfully.

# In-Car Apps

## In-Car Apps overview

Via the In-Car Mercedes-Benz Store, additional apps can be installed and used in the vehicle. The available In-Car Apps come from various categories, such as entertainment, news or games.

A Mercedes me ID and the activated Digital Extra In-Car App Pass are required for the installation of In-Car Apps. If no Mercedes me ID is available, one must be created and connected with the vehicle.

If the In-Car App Pass Digital Extra is not activated in the vehicle, it is possible to order it via the Mercedes-Benz Store. As soon as the corresponding package has been ordered, the In-Car App Pass Digital Extra is automatically activated. The In-Car App Pass enables access to the Mercedes-Benz AG app library and using additional apps in the vehicle.

ⓘ It is only possible to install In-Car Apps with an Internet connection.

ⓘ The availability of In-Car Apps is country-dependent.

ⓘ Some apps only work when the vehicle is parked.

## Installing In-Car Apps via the In-Car Mercedes-Benz Store

**Requirements:**

- A Mercedes me ID is available.
- The vehicle is linked to a Mercedes me ID.
- The terms of use have been accepted.
- The In-Car App Pass Digital Extra is activated in the vehicle.

Multimedia system:

→ Store

▶ Select Apps.

The available apps are displayed.

▶ Select the desired app.

▶ Install the app.

The installed apps can be found on the Home screen.

ⓘ It is only possible to install In-Car Apps with an Internet connection.

ⓘ The availability of In-Car Apps is country-dependent.

# Online and Internet functions

## Internet connection

**INFORMATION ON CONNECTING TO THE INTERNET**

**WARNING**
Risk of distraction from information systems and communications equipment

If you operate information systems and communication devices integrated in the vehicle when driving, you could be distracted from the traffic situation. This could also cause you to lose control of the vehicle.

- Only operate this equipment when the traffic situation permits.
- If you cannot be sure of this, stop the vehicle whilst paying attention to road and traffic conditions and operate the equipment with the vehicle stationary.

You must observe the legal requirements for the country in which you are currently driving when operating the multimedia system.

**WARNING**
Risk of accident from operating mobile communication equipment while the vehicle is in motion

Mobile communication devices distract the driver from the traffic situation. This can also cause the driver to lose control of the vehicle.

- As a driver, only operate mobile communication devices when the vehicle is stationary.
- As a vehicle occupant, use mobile communication devices only in the designated area, e.g. in the rear passenger compartment.

You must observe the legal requirements for the country in which you are currently driving when operating mobile communication equipment in the vehicle.

**DEPENDING ON THE VEHICLE'S EQUIPMENT AND AVAILABILITY IN THE COUNTRY, YOU CAN ESTABLISH AN INTERNET CONNECTION IN THE FOLLOWING WAYS:**

- **Vehicles with a communication module:**
  - Using the communication module including data roaming (→ page 636)
  - Using Bluetooth® or Wi-Fi with a data-enabled mobile phone
- **Vehicles without a communication module:**
  - Using Bluetooth® or Wi-Fi with a data-enabled mobile phone

The Internet functions can only be used to a limited degree whilst driving.

**SETTING UP AN INTERNET CONNECTION USING THE COMMUNICATION MODULE**

**Requirements:**

- The vehicle is equipped with a permanently installed communication module.
- A Mercedes me ID is available.
- The vehicle is linked to a Mercedes me ID.
- The Entertainment Package is active.
- The Comfort Data Volume Digital Extra is activated.

Multimedia system:

Settings » System » Internet and Bluetooth » Manage Internet Access

► Select Search for Internet Access in the Internet device manager.

► Select Data Plan.

For most Mercedes me connect services, data volume is included when purchasing the services. Additional data volume is required to use some functions, e.g. entertainment services, such as music or gaming apps.

Additional data volume is required to use some functions, e.g. entertainment services, such as music or gaming apps.

If the data volume is reached, availability of the Digital Extras is limited.

**Entertainment Package**

Depending on the vehicle equipment, your vehicle is already equipped with the entertainment package or you can purchase it via the Mercedes me Store.

In order to use the data volume that is included in the Entertainment Package you need to accept the Terms of Use and Data Privacy by our mobile network operator. The data volume will not come with any additional costs.

**Comfort Data Volume**

If the data package option is not available or can be upgraded, you can purchase data volume directly from the mobile phone network provider for a fee. To do this, connect your smartphone to the MBUX hotspot and open the browser to be redirected to the home page of the third-party provider. The availability of this option is dependent on the country.

ⓘ Visit an authorized Mercedes-Benz Center to find out whether it is possible to purchase data volume in your country directly from a mobile phone network provider.

ⓘ Alternatively, and if available, you can utilize the tethering function of a mobile phone via Wi-Fi or Bluetooth® to use a Wi-Fi hotspot.

ⓘ With external Wi-Fi hotspots, which are encrypted via TKIP, online software updates cannot be carried out via the external Wi-Fi hotspot.

ⓘ If there is no internet connection in the vehicle or the Mercedes-Benz App is not installed, as an alternative, the QR code displayed when the animation is called up can be scanned to play animations. The data tariff of the mobile communication device is used for the data connection.

### DISCONNECTING THE AUTOMATIC INTERNET CONNECTION VIA COMMUNICATION MODULE

**Requirements:**

- Wi-Fi or Bluetooth® tethering are available in the vehicle.

Multimedia system:

Home >> Settings >> System >> Internet and Bluetooth >> Manage Internet Access

- ► Select the ••• settings in the line of Data Plan.
- ► **To disconnect the automatic connection:** select the Delete Entry option.

ⓘ The communication module is removed from the list of known hotspots, but can be reconnected manually at any time (⟶ page 636).

The Delete Entry option permits the use of purchased data volume to be limited. The system is prevented from automatically establishing a connection to the communication module after this option has been activated.

### SETTING UP AN INTERNET CONNECTION VIA WLAN

**Requirements:**

- The Wi-Fi function is activated on the multimedia system (⟶ page 539).
- The Wi-Fi hotspot function is activated on the mobile phone (see the manufacturer's operating instructions).
- Internet access via Wi-Fi is activated (see the manufacturer's operating instructions).

Multimedia system:

Home >> Settings >> System >> Internet and Bluetooth >> Manage Internet Access

ⓘ This function is country-dependent.

**The mobile phone is listed in the Internet device manager**

- ► Select the mobile phone with the Wi-Fi symbol.

**The mobile phone is not listed in the Internet device manager**

- ► Select Search for Access.
- ► Select the mobile phone with the Wi-Fi symbol.
  It may take a few seconds until the device is found by the Wi-Fi search.
- ► Log in to the Wi-Fi network (⟶ page 539).

### THE INTERNET CONNECTION VIA WI-FI IS RESTRICTED OR DOES NOT FUNCTION IN THE FOLLOWING CASES:

- The mobile phone is switched off.
- Mobile data use is deactivated on the mobile phone.
- The Wi-Fi function is deactivated on the multimedia system.
- The Wi-Fi function is deactivated on the mobile phone.
- Internet access via Wi-Fi is deactivated on the mobile phone.

### SETTING UP AN INTERNET CONNECTION VIA BLUETOOTH®

**Requirements:**

- The mobile phone supports the Bluetooth® profile PAN (**P**ersonal **A**rea **N**etwork).

- The mobile phone is connected to the multimedia system via Bluetooth® (⟶ page 607).
- Internet access via Bluetooth® is activated (see the manufacturer's operating instructions).

Multimedia system:
Settings ▸▸ System ▸▸ Internet and Bluetooth ▸▸ Manage Internet Access

ⓘ This function is country-dependent.

**The mobile phone is listed in the Internet device manager**

► Select the mobile phone with the Bluetooth® symbol.

**The mobile phone is not listed in the Internet device manager**

► Select Search for Access.

In the list displayed, all mobile phones already known to the multimedia system are shown. New devices can be set up using the phone application.

► Connect the mobile phone using Bluetooth® (⟶ page 607).

ⓘ If a new mobile phone is connected using Bluetooth®, this is also used for the telephone application.

**THE INTERNET CONNECTION VIA BLUETOOTH® IS RESTRICTED OR DOES NOT FUNCTION IN THE FOLLOWING CASES:**

- The mobile phone is switched off.
- The mobile phone network coverage is insufficient.
- Mobile data use is deactivated on the mobile phone.
- The Bluetooth® function on the multimedia system is switched off and the mobile phone is to be connected via Bluetooth®.
- The Bluetooth® function is switched off on the mobile phone and the mobile phone is to be connected via Bluetooth®.
- Neither the mobile phone network nor the mobile phone allow simultaneous use of a telephone and an Internet connection.
- The mobile phone has not been enabled for Internet access via Bluetooth®.

**CANCELING INTERNET ACCESS PERMISSION FOR A MOBILE PHONE**

Multimedia system:
Settings ▸▸ System ▸▸ Internet and Bluetooth ▸▸ Manage Internet Access

► Select options ••• next to the name of the mobile phone.

► Select Delete Configuration.

► Select Yes.

## Connection status

**CONNECTION STATUS OVERVIEW**

**DEPENDING ON THE CONNECTION STATUS, THE FOLLOWING SYMBOLS CAN APPEAR ON THE CENTRAL DISPLAY IN THE STATUS LINE:**

- : a Wi-Fi device is selected as Internet access.
- : a Bluetooth® device is selected as Internet access.
- Mobile communications standard (e.g. 4G + double arrow symbol): the communication module is selected as the hotspot.

## DISPLAYING THE CONNECTION STATUS

Multimedia system:



- ▶ Briefly press the status line.
  The extended status line is displayed.
- ▶ Briefly press the Internet symbol in the symbol overview.
  The current connection status is displayed.

## NOTES ON DISPLAYING THE CONNECTION STATUS

- When connecting via Wi-Fi, the connection status and device name are displayed.
- When connecting via a Bluetooth® device, the connection status, device name, and network type are displayed.
- In the case of a connection via the communication module the following status information can be shown:
  - Type of network
  - Status (online, offline, data volumes available or used, limited service)
- For vehicles with a communication module, the connection data of Digital Extras for which the user does not have to pay can be displayed under Digital Extras.

# Media

## Information about media mode

### INFORMATION ABOUT SUPPORTED FORMATS AND DATA STORAGE MEDIA

**WARNING**
Risk of distraction when handling data storage media

If you handle a data storage medium while driving, your attention is diverted from the traffic conditions. This could also cause you to lose control of the vehicle.

► Only handle a data storage medium when the vehicle is stationary.

### SUPPORTED FORMATS AND DATA STORAGE MEDIA:

| | |
|---|---|
| Permissible filing systems | FAT32, exFAT, NTFS |
| Permissible data storage media | USB mass storage device, iPod®/iPhone®, MTP devices, Bluetooth® audio devices |
| Supported audio formats | MP3, WMA, AAC, WAV, FLAC, ALAC |
| Supported video formats | MPEG, MKV, MP4, M4V, WMV |

**OBSERVE THE FOLLOWING NOTES:**

- The multimedia system supports a total of up to 50,000 files.
- Data storage media up to 2 TB are supported (32-bit address space).
- Due to the large variety of available music and video files regarding encoders, sampling frequency and data transfer rates, playback cannot be guaranteed.
- Due to the wide range of USB mass storage devices available on the market, playback cannot be guaranteed for all USB mass storage devices.
- Videos up to FullHD (1920x1080) are supported.
- Copy-protected music and video files or DRM (Digital Rights Management) encrypted files cannot be played back.
- Files with the corresponding format can be played back from the USB mass storage device in Dolby Atmos.

### INFORMATION ON COPYRIGHT PROTECTION AND TRADEMARKS

Audio files which you create yourself (e.g. copies of data storage media you make yourself) are generally subject to copyright protection. In many countries, reproductions are not permitted without the prior consent of the copyright holder, even for private use. Make sure that you know about the applicable copyright regulations and that you comply with these.

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DTS® Connected Radio™

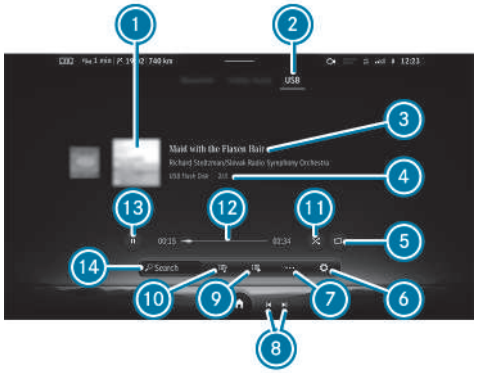
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TIDAL

TIDAL and TIDAL logo are registered trademark of Aspiro AB in the European Union and other countries.

## Overview of the media menu




1. Album cover
2. Active media source
3. Track and artist
4. Active data storage medium and current track number/track in playback list
5. Repeat
6. Options
7. Additional options
8. Previous or next track and fast rewind or fast forward
9. Playlists and categories
10. Additional categories
11. Random playback
12. Timeline
13. Pauses playback
14. Media search

When the control menu is called up on the zero layer, the following functions are available:

- Controlling media playback
- Selecting tracks from the current playlist
- Selecting a playback list
- Media search
- Selecting a media source
- Creating favorites
- Configuring settings

Further information on:
- Overview of the zero layer (⟶ page 508).
- Operating the zero layer (⟶ page 510).

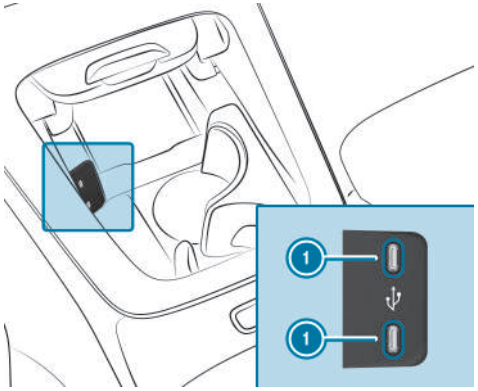
# Connecting the data storage medium to the multimedia system

## CONNECTING A USB MASS STORAGE DEVICE

**NOTE**
Damage due to high temperatures

High temperatures can damage USB mass storage devices.

► After use, remove USB mass storage devices from the vehicle.




The multimedia connection unit is found in the center console storage compartment and has two type C USB ports (1). Depending on the vehicle equipment, there are further USB ports in the stowage compartment under the armrest.

► Connect the USB mass storage device with the USB port.

## SEARCHING FOR AND AUTHORIZING A BLUETOOTH® AUDIO DEVICE

**Requirements:**

- Bluetooth® is activated on the multimedia system and audio device.
- The audio device supports the Bluetooth® audio profiles A2DP and AVRCP.
- The audio device is "visible" for other devices.

Multimedia system:
Media Bluetooth

## AUTHORIZING A NEW BLUETOOTH® AUDIO DEVICE

► Select Connect device.
Detected equipment is displayed in the device list.

► Select an audio device.
Authorization starts. A code is displayed on the multimedia system and on the mobile phone.

► If the codes are identical, confirm on the audio device.

► Select No, Only for Music.
The Bluetooth® audio device is connected with the multimedia system.

## CONNECTING A PREVIOUSLY AUTHORIZED BLUETOOTH® AUDIO DEVICE

► Select a Bluetooth® audio device from the list.
The connection is being established.

## Starting media playback

**Requirements:**

- A data storage medium is connected to the multimedia system.

Multimedia system:

→ Media

- Select a media source.

## Controlling media playback

Multimedia system:

→ Media

- **To pause playback:** select ⏸.
- **To continue playback:** select ▶.
- **To repeat a track:** select 🔁.

  **FOR THE REPEAT FUNCTION THERE ARE THE FOLLOWING SETTINGS:**

  - **Select once:** the active playlist is repeated.
  - **Select twice:** the current track is repeated.
  - **Select three times:** the repeat function is deactivated.
- **To play back tracks in random order:** select 🔀.
- **To rewind or fast-forward a track:** tap on the desired point on the timeline.
- **To select the next track:** select ⏭.
- **To select the previous track:** select ⏮.
- **To scroll through tracks quickly:** press and hold ⏮ or ⏭.
- **To show the current track list:** select ♫.

ⓘ You can also control media playback on the zero layer using the control menu displayed (→ page 508).

## Additional options for setting media playback

Multimedia system:

→ Media

**CALLING UP ADDITIONAL OPTIONS**

- Select •••.

  The additional options are shown.
- Select an option.

## Media search

**NOTES ABOUT THE SEARCH FUNCTION IN CATEGORIES**

Under ♫ you can search through all available media files. There are several categories available for selection. The categories shown depend on the connected device and data format.

ⓘ The categories are available as soon as the entire media content has been read in and analyzed.

Availability of the media search with Android devices may be limited.

**STARTING A SEARCH IN CATEGORIES**

Multimedia system:

Media

- Select a category.

**USING THE KEYWORD SEARCH**

Multimedia system:

Media

You can look for content using the keyword search with free text input.

- Select .

  A keyboard for character entry appears.

- Enter the term searched for.

The search begins with the first character entered. The more characters entered the more concrete the search results become.

- Select the desired entry from the result list.

  If a list with several tracks is selected, then this is opened in the search.

  To playback all of the tracks in the list, select ••• and then Play Now.

# Media operation on the front passenger display (only vehicles with MBUX Superscreen)

**INFORMATION ON MEDIA MODE ON THE FRONT PASSENGER DISPLAY (ONLY VEHICLES WITH MBUX SUPERSCREEN)**

You can also use functions of the MBUX multimedia system on the front passenger display.

**YOU CAN FIND MORE INFORMATION ON THE FOLLOWING TOPICS:**

- Information about supported formats and data storage media (⟶ page 640)
- Information on copyright protection and trademarks (⟶ page 640)
- Overview of the media menu (⟶ page 642)

Bluetooth® headphones can be connected to the MBUX multimedia system on the front passenger display.

**WARNING**

Risk of injury from unsecured items in the vehicle

If objects such as headphones/headsets or external audio/video sources are not secured in the vehicle interior, they can be flung around and hit vehicle occupants.

- Always stow these items or similar objects carefully so that they cannot be flung around, for example in a lockable vehicle stowage compartment.

Observe the information on loading the vehicle.

**WARNING**
Health hazard due to excessive volume on headphones

Excessive volume can damage your hearing.

- Avoid wearing headphones for long periods of time and at too high a volume (85 decibels).
- Ensure that the volume is set to a comfortable level.

The headphones are special equipment for the MBUX multimedia system.
The headphones are also available from Mercedes-Benz Customer Solutions or from specialist dealers. Information on connecting and operating the headphones can be found in the manufacturer's operating instructions.

The function of wireless headphones can be impaired by other radio-based electronic devices, such as mobile phones, for example.

**STARTING AND OPERATING MEDIA PLAYBACK ON THE FRONT PASSENGER DISPLAY (ONLY VEHICLES WITH MBUX SUPERSCREEN)**

**Requirements:**

- A data storage medium is connected to the multimedia system.

Multimedia system:

→ Media

- Select a media source.
- **To adjust the volume:** select in the menu line and press − or +.
- **To set playback via vehicle loudspeakers:** press in the menu line.
- **To connect Bluetooth® headphones to the front passenger display:** press in the menu line and select the desired headphones.

**THE FOLLOWING FUNCTIONS ARE AVAILABLE:**

- Controlling media playback (⟶ page 644)
- Options for setting media playback (⟶ page 644)
- Starting a search in categories (⟶ page 645)
- Using the keyword search (⟶ page 645)

# Radio

## Switching on the radio

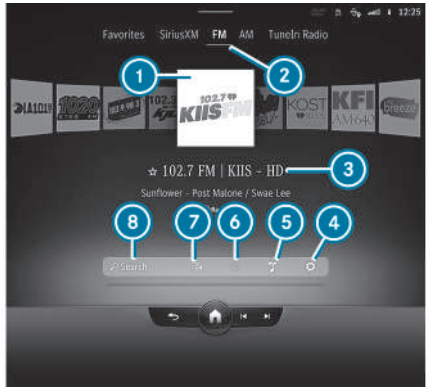
Multimedia system:

Radio

- Start the application on the multimedia system home screen.

  The radio menu appears. You will hear the last station played on the last frequency band selected.

## Radio overview




1. Station logo
2. Active frequency band
3. Station name or set frequency
4. Settings
5. Sound settings
6. Switches HD Radio™ on/off
7. Station list
8. Search

The availability of the frequency bands is dependent on the equipment.

When the control menu is called up on the zero layer, the following functions are available:

- Selecting a radio station
- Setting radio stations from the station list
- Storing radio stations
- Frequency band
- Search function
- Creating favorites
- Configuring settings

**FURTHER INFORMATION ON:**

- Overview of the zero layer (⟶ page 508).
- Operating the zero layer (⟶ page 510).

You can watch an animation on this topic via the following link:

## Setting the frequency band

Multimedia system:

Radio

**THE FOLLOWING FREQUENCY BANDS ARE AVAILABLE:**

- AM
- FM
- SiriusXM

- Select a frequency band or a favorite.

## Selecting a radio station

Multimedia system:

Radio

- Swipe to the left or right on the control element or select a radio station.

## Calling up the radio station list

Multimedia system:

Radio

- Select [ ].

  The station list appears.

- Swipe the station list up or down.
- Select a station.

## Searching for radio stations using station names or frequency entry

Multimedia system:

Radio

- Select [ ].
- Enter a station name or frequency.
- Select a station.

## Selecting a recommended radio station

**Requirements**

- The multimedia system has gathered sufficient data in order to show station suggestions.

Multimedia system:

Radio

- Select [ ].

  The recommended stations are shown.

- Select a suggested station.

  The selected station is played.

## Storing radio stations

Multimedia system:

Radio

- Select a radio station.
- Select ☆.

## Managing favorites

Multimedia system:

Radio » Favorites

**MOVING STATIONS**

- Press ☆.
  The list of favorites appears.
- Press ••• to the far right of the station name.
- Select Move.
- Move the station to the new position.

## Displaying radio text

Multimedia system:

Radio » Active frequency band

- Activate or deactivate Radio Text Information.

## Satellite radio

**INFORMATION ON THE SATELLITE RADIO**

The SiriusXM® 360L audio platform combines satellite and streaming features together to transform your listening experience and give you 360 degrees of listening, the audio platform provides you with access to hundreds of channels, including exclusive streaming channels and on-demand content.

Streaming content is delivered through your vehicle's onboard modem. Satellite channels are provided by a high-performance satellite fleet that broadcasts throughout the United States and Canada.

After a trial period SiriusXM® 360L is available for a monthly fee.

Information about this can be obtained from a Sirius XM® service center and at https://www.siriusxm.com (USA) or https://www.siriusxm.ca (Canada).

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**SATELLITE RADIO RESTRICTIONS**

Satellite radio mode and/or internet audio streaming may be temporarily unavailable or interrupted for a variety of reasons. These include environmental or topographical conditions beyond the control of Mercedes-Benz USA, LLC. Thus, operation at certain locations may not be possible.

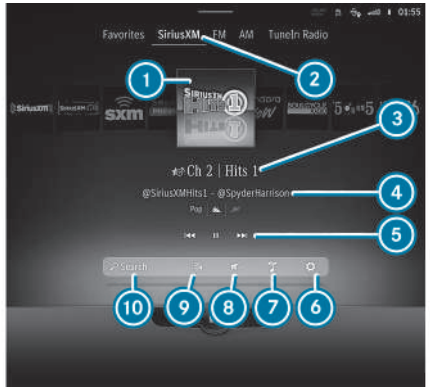
**SWITCHING ON SATELLITE RADIO**

Multimedia system:

Radio

- Select SiriusXM.

## OVERVIEW OF THE SATELLITE RADIO




1. Logo or album art (if available)
2. Active frequency band
3. Channel name
4. Additional information provided by the station
5. Controls playback
6. Settings
7. Sound settings
8. Mutes volume
9. Station list
10. Search

## SELECTING A SATELLITE RADIO CATEGORY

Multimedia system:

Radio » SiriusXM

- Select .
- Select Category.
- Select a category.

## SELECTING A SATELLITE RADIO CHANNEL

Multimedia system:

Radio » SiriusXM

- Select .
- Select a channel.

## SAVING OR DELETING A SATELLITE RADIO CHANNEL

Multimedia system:

Radio » SiriusXM

### STORING THE CURRENT CHANNEL

- Select .

### MOVING A CHANNEL

- Press .

  The list of favorites appears.
- Press next to the channel name.
- Move the station to the new position.

### DELETING THE CURRENT CHANNEL

- Press .

## SETTING PARENTAL CONTROL FOR RADIO

Multimedia system:

Radio » SiriusXM »

- Select Parental Control.
- Determine a four-digit character sequence and confirm with ok.

  All channels with adult content are locked.

### UNLOCKING A CHANNEL

- Enter the four-digit character sequence and confirm with ok.

  All channels with adult content are unlocked.

### MUSIC AND SPORT ALERTS FUNCTION

This function enables you to program an alert for your favorite artists, tracks or sporting events. Music alerts can be saved whilst a track is being played and sport alerts can be saved during a live game. You can also specify sport alerts via the menu option. The system then continuously searches through all the channels. If a match is found with a stored alert, you will be informed.

### SETTING MUSIC AND SPORT ALERTS

Multimedia system:

Radio » SiriusXM » » Alerts

### ACTIVATING MESSAGES FOR A CATEGORY

- Select a category and activate .

### ADDING MESSAGES FOR A CATEGORY

- Select a category and add a message .
- Select Artist Alerts or Track Alerts in the dialog window.

  The message is set for the activated ☑ track and artist. If a match is found, a prompt appears asking whether you wish to change to the station.

### DELETING MESSAGES IN A CATEGORY

- Select the desired category.
- Mark the desired messages and delete using .

or

- Do not mark any messages and delete all entries .

### DISPLAYING SATELLITE RADIO SERVICE INFORMATION

Multimedia system:

Radio » SiriusXM » »

- Select General.
- Select Service Information.

# Sound

## Sound settings

**INFORMATION ABOUT THE SOUND SYSTEM**
The sound system has a total output of 125 W and is equipped with seven speakers. It is available for all functions in the radio and media modes.

The call can also be made from other audio sources. Replace Media with, for example, Radio in the menu path.

**CALLING UP THE SOUND MENU**
Multimedia system:
Media
- Select one of the functions shown to make settings.

**ADJUSTING TREBLE, MID-RANGE AND BASS SETTINGS**
Multimedia system:
Media
- Set Treble, Mid or Bass.

**SWITCHING LOUDNESS NORMALIZATION ON OR OFF**
Multimedia system:
Media Loudness Normalization
The function compensates for differing loudness when changing between audio sources and within an audio source. Several levels are available for this purpose. The currently set level is displayed.

Loudness normalization can also be switched off.

- Switch on one level.

or

- Switch off loudness normalization.

**SETTING THE BALANCE AND FADER**
Multimedia system:
Media Balance and Fader

**ADJUSTING THE BALANCE**
- In the grid shown, move the volume distribution between the right and left speakers in the vehicle.
  The volume is distributed between the right and left-hand speakers.

**ADJUSTING THE FADER**
- In the grid shown, move the volume distribution between the front and rear speakers in the vehicle.
  The volume is distributed between the front and rear speakers.

**SWITCHING THE GREETING TONE ON/OFF**
Multimedia system:
Settings System Audio

**SWITCHING ON THE GREETING TONE**
If the Greeting Tone is switched on and you enter the vehicle, the vehicle will welcome you with a corresponding sound.

- Tap on in order to switch on the Greeting Tone.

**SWITCHING OFF THE GREETING TONE**

- Tap on  in order to switch off the Greeting Tone.

# Burmester® 4D surround sound system

**INFORMATION ON THE BURMESTER® 4D SURROUND SOUND SYSTEM**

The Burmester® 4D surround sound system has a total output of 730 W and is equipped with 17 speakers including two speakers close to the driver's ear to support navigation announcements and telephony. Furthermore the sound system is equipped with two tactile transducers each for the driver and front passenger seats. It is available for all functions in the radio and media modes.

ⓘ The navigation announcements from the speakers close to the driver's ears can be set in the system settings (⟶ page 583). Telephony with the speakers close to the driver's ears can be set in the telephone menu (⟶ page 610).

ⓘ The call can also be made from other audio sources. Replace Media with, for example, Radio in the menu path.

**CALLING UP THE SOUND MENU IN THE BURMESTER® 4D SURROUND SOUND SYSTEM**

Multimedia system:




**ADJUSTING SOUND SETTINGS**

- Select one of the functions shown to make settings.

**SETTING 4D SOUND**

- Select 4D Sound Adjustment.
- Select a seat.
- Use the controller to set the intensity of the bass vibrations.

**ADJUSTING THE TREBLE, MID AND BASS SETTINGS IN THE BURMESTER® 4D SURROUND SOUND SYSTEM**

Multimedia system:




- Set Treble, Mid or Bass.

**SWITCHING LOUDNESS NORMALIZATION IN THE BURMESTER® 4D SURROUND SOUND SYSTEM ON OR OFF**

Multimedia system:




The function compensates for differing loudness when changing between audio sources and within an audio source. Several levels are available for this purpose. The currently set level is displayed.

Loudness normalization can also be switched off.

- Switch on one level.

or

- Switch off loudness normalization.

### ADJUSTING THE BALANCE AND FADER IN THE BURMESTER® 4D SURROUND SOUND SYSTEM

Multimedia system:

→ ⌂ » Media » ⚙ » Balance and Fader

#### ADJUSTING THE BALANCE

- Move the volume distribution between the right and left sides of the vehicle in the grid shown.

  The volume is distributed between the speakers on the left and right sides in the vehicle.

#### ADJUSTING THE FADER

- Move the volume distribution between the front and rear of the vehicle in the grid shown.

  The volume is distributed between the speakers in the front and rear of the vehicle.

ⓘ Setting 0 is recommended for high quality music and voice reproduction.

### SELECTING A SOUND PROFILE IN THE BURMESTER® 4D SURROUND SOUND SYSTEM

Multimedia system:

→ ⌂ » Media » ⚙

#### SETTING AN EXISTING SOUND PROFILE

- Select a sound profile.

#### SETTING UP A PERSONAL SOUND PROFILE

- Select Personal Sound Profile and select ⚙.
- Select Reconfigure.

  The setup assistant will be restarted.

#### SETTING UP A PERSONAL SOUND PROFILE FOR THE FIRST TIME:

- Select Personal Sound Profile.
- Open the set-up assistant with Start.
- Observe the messages on the display and select the preferred settings.

  The personal sound profile is created with the selected settings and can be selected in the Sound Profiles menu.

#### CHANGING INDIVIDUAL SETTINGS OF THE PERSONAL SOUND PROFILE AT A LATER DATE:

- Select Personal Sound Profile and ⚙.
- Adjust the desired settings.

ⓘ The availability of a Personal Sound Profile is dependent on the equipment.
The set-up assistant is available when the vehicle is stationary.

### ADJUSTING THE SOUND FOCUS IN THE BURMESTER® 4D SURROUND SOUND SYSTEM

Multimedia system:

→ ⌂ » Media » ⚙ » Sound Focus

- Select a seat or seat row for the sound focus.

  The sound focus is activated.

or

- Select the seat or seat row again.

  The sound focus is deactivated.

# Progressive Sport Sound

**INFORMATION ON PROGRESSIVE SPORT SOUND**

With the Progressive Sport Sound function, engine sounds can be experienced even more intensely inside your vehicle. To do this, your vehicle generates sporty engine sounds to match the current driving situation and plays them through the speakers of your sound system inside the vehicle.

**CALLING UP PROGRESSIVE SPORT SOUND**

Multimedia system:

Settings » Vehicle » Driving » Progressive Sport Sound

**SWITCHING PROGRESSIVE SPORT SOUND ON OR OFF**

- Tap on to switch on Progressive Sport Sound.

or

- Tap on to switch off Progressive Sport Sound.

The availability of Progressive Sport Sound is country-dependent.

# Camera app

## Overview of the Camera app

The laws concerning video and audio recordings of vehicle surroundings and vehicle occupants may differ depending on the country. Please observe the laws of the country in which you are recording.

With the Camera app, you can take photos, multiple shots and videos, both from Inside as well as from Outside. You can switch between the two cameras in the overview. It is operated using the touchscreen or Touch Control.

You can view your captured photos and videos in the Gallery app.

Additional information about the Gallery app (⟶ page 629).

ⓘ The function is country-dependent.

ⓘ If the USB flash drive is not recognized by the vehicle, you can try to fix the error by connecting the USB flash drive to a computer.

ⓘ To ensure safe operation, format the USB storage devices before using them for the first time on FAT32 or exFAT.

ⓘ Do not use USB storage devices with a writing speed of less than 5 MB/s.

ⓘ Do not remove the USB flash drive during recording. This can damage the files.
Only remove the USB flash drive via the settings (⟶ page 657).

**DISPLAY MESSAGES**

**IN THE FOLLOWING SITUATIONS DISPLAY MESSAGES MAY BE SHOWN:**

- The memory is full or there are only a few minutes recording time available. The video recording stops or will be stopped imminently.
  Change the USB device or delete a photo or video file.
- The camera is not functioning. A message appears.
  Have the camera checked in an authorized Mercedes-Benz Center.
- No USB device is connected to save the recordings.
  The Please insert a storage medium into the USB port to start recording. message appears.
- If a dashcam recording is started during a video recording with the Camera app, the video recording pauses.
  The Recording will be interrupted by dashcam recording. message appears.
- The camera is being used from another seat.

# Taking photos and videos with the Camera app

**Requirements:**

- For recording and saving a photo or video file: a USB device is connected with the multimedia system (→ page 643).
- The vehicle is switched on.

Multimedia system:




**THE FOLLOWING RECORDING MODES ARE AVAILABLE:**

- Video
- Photos
- Multiple shots

► Select the corresponding icon.

or

► Trigger the camera via the MBUX Voice Assistant.

ⓘ Every time the Camera app is launched, a liability notice appears. If the application should be started, select OK.

ⓘ Accept the notice and permit each registered user access to the camera before using it for the first time.

ⓘ You can view your captured photos and videos in the Gallery app. To do this, select the Gallery app icon in the overview.

# Configuring Camera app settings

Multimedia system:




**THE FOLLOWING FUNCTIONS ARE AVAILABLE:**

- Snapshot Timer
- Image Series
- Series Image Intervals

► Select an option.

► Change the settings.

**EJECTING THE USB FLASH DRIVE**

► Select Storage Medium.

► Select ⏏ after the device name.
The Storage Medium Can Be Disconnected message appears.

Back to contents

# Maintenance and care

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
You can return here at any time via the navigation bar at the top left.

ASSYST PLUS service interval display
Maintenance Management
Telediagnostics
Engine compartment
Cleaning and care

# ASSYST PLUS service interval display

## Function of the ASSYST PLUS service interval display

The ASSYST PLUS service interval display on the driver's display provides information on the remaining time or distance before the next service due date.

You can hide this service display using the back button on the steering wheel.

**DEPENDING ON HOW THE VEHICLE IS USED, THE ASSYST PLUS SERVICE INTERVAL DISPLAY MAY SHORTEN THE SERVICE INTERVAL, E.G. IN THE FOLLOWING CASES:**

- Mainly short-distance driving
- When the engine is often left idling for long periods
- In the event of frequent cold start phases

Mercedes-Benz recommends avoiding such operating conditions.

You can obtain information concerning the servicing of your vehicle from a qualified specialist workshop, e.g. an authorized Mercedes-Benz Center.

## Displaying the service due date

Driver display:

Service

The next service due date is displayed.

- **To exit the display:** press the 'back' button on the steering wheel.

## Displaying the State of Health menu

Driver display:

Service

The status of the high-voltage battery is displayed together with the mileage covered since the last update. Depending on the vehicle equipment, reserve energy is also displayed.

- **To exit the display:** press the back button on the steering wheel.

# Information on performing regular servicing work

**NOTE**
Premature wear through failure to observe service due dates

Service work which is not carried out at the right time or incompletely can lead to increased wear and damage to the vehicle.

- ► Observe the specified service intervals. If there are any uncertainties regarding the service due date, for example if the battery is disconnected, operating conditions are difficult, etc., contact a qualified specialist workshop.
- ► Have the prescribed service work carried out at a qualified specialist workshop.

# Notes on special service requirements

The prescribed service interval is based on normal operation of the vehicle. Have the maintenance work carried out more often than prescribed if operating conditions are difficult or the vehicle is subject to increased stress.

The ASSYST PLUS service interval display is only an aid. It is the responsibility of the driver of the vehicle to have maintenance work carried out more often than prescribed due to actual operating conditions and/or stresses.

**EXAMPLES OF ARDUOUS OPERATING CONDITIONS:**

- Regular city driving with frequent intermediate stops
- Mainly short-distance driving
- Frequent operation in mountainous terrain or on poor road surfaces
- When the engine is often left idling for long periods
- Operation in particularly dusty conditions and/or if air-recirculation mode is frequently used

In these or similar operating conditions, have the interior air filter, air filter, engine oil and oil filter, for example, changed more frequently. Check the tires more frequently if the vehicle is operated under increased stress. Further information can be obtained at a qualified specialist workshop.

# Non-operational times with disconnected battery

The ASSYST PLUS service interval display can only calculate the service due date when the battery is connected.

- ► Display and note down the service due date on the driver display before disconnecting the battery (⟶ page 659).
- ► The period with disconnected battery is not taken into account by ASSYST PLUS. Deduct the period with disconnected battery from the time indicated on the driver display.
  - The calculated date serves as a new service due date.
  - The service interval for distance before service due date (mi (km)) is not affected in this regard.

# Maintenance Management

## Notes about Maintenance Management

If the Maintenance Management service is activated, relevant data is automatically transferred to the Mercedes-Benz Customer Center.

The customer center transmits the data to the service partner that you have entered on the Mercedes-Benz website at: https://www.mercedes.me. You will then receive individual recommendations regarding the maintenance of your vehicle.

The calculation of the optimal transmission time of the maintenance request to the service partner is subject to technical limitations that may cause the maintenance recommendation to be perceived as too early or too late or not to be made at all. In this case, you can conveniently arrange a maintenance appointment with the customer center via the maintenance reminder in the multimedia system.

Maintenance Management and the maintenance reminder in the multimedia system are not available in every country. Contact an authorized Mercedes-Benz Center to find out whether this function is available in your country.

## Data transferred when using Maintenance Management

When the service is activated, relevant data is automatically transferred to determine the required scope of maintenance as well as malfunction detection and malfunction rectification.

Details on data transmission can be found in the data protection notes for Mercedes-Benz Support. These can be found at: https://www.mercedes.me under "My Account", "Privacy & Legal".

Maintenance Management and the maintenance reminder in the multimedia system are not available in every country.

# Telediagnostics

## Notes about Telediagnosis

This service is not available in all countries.

The vehicle can detect if certain wear parts need to be replaced or if malfunctions have occurred in vehicle systems. If the Telediagnosis service is activated, relevant data is automatically transmitted to the manufacturer. If malfunction conditions are detected by the vehicle system self-diagnosis, the system transmits recommendations for action to the Mercedes-Benz Customer Center depending on the malfunction detected. The Customer Center transmits the data to the service partner that you have entered on the Mercedes-Benz website at: https://www.mercedes.me.

For selected malfunctions, the notification that a malfunction has been detected may appear in the multimedia system with a request to contact the Mercedes-Benz Customer Center. From this message, a call can be made directly to the Customer Center for assistance.

The transmission of a notification to the multimedia system depends on the country, vehicle model and equipment and requires a fast data connection, over which the service provider has no influence.

Reliable malfunction detection is subject to technical limitations. Therefore, only a limited selection of malfunctions can be detected and recommendations for action transmitted to the Customer Center and the service partners. Mercedes-Benz AG is continuously working on the expansion of this service. The malfunction detection depends on the country, vehicle model and equipment.

## Data transferred when using Telediagnosis

When the service is activated, relevant data is automatically transferred to determine the required scope of maintenance as well as malfunction detection and malfunction rectification.

Details on data transmission can be found in the data protection notes for Mercedes-Benz Support. These can be found at: https://www.mercedes.me under "My Account", "Privacy & Legal".

The scope of the transmitted data depends on the vehicle model and its equipment. For technical reasons, not all data is available at all times.

# Engine compartment

## Opening and closing the hood

**DANGER**
Risk of fatal injuries when carrying out maintenance work during the charging process

During the charging process, the high-voltage on-board electrical system is under high voltage.

- ► Do not perform any maintenance work during the charging process.

**WARNING**
Risk of accident due to driving with the hood unlocked

The hood may open and block your view.

- ► Never release the hood when driving.
- ► Before every trip, ensure that the hood is locked.

**WARNING**
Risk of accident and injury when opening and closing the hood

The hood may suddenly drop into the end position.

There is a risk of injury for anyone in the hood's range of movement.

- ► Do not open or close the hood if there is a person in the hood's range of movement.

**WARNING**
Risk of burns when opening the hood

**IF YOU OPEN THE HOOD IN THE EVENT OF AN OVERHEATED ENGINE OR FIRE IN THE ENGINE COMPARTMENT, THE FOLLOWING SITUATIONS MAY OCCUR:**

- You may come into contact with hot gases.
- You may come into contact with other escaping hot operating fluids.

- ► Before opening the hood, allow the engine to cool down.
- ► In the event of a fire in the engine compartment, keep the hood closed and call the fire service.

**WARNING**
Risk of injury due to moving parts

Components in the engine compartment may continue to run or start unexpectedly even when the drive system is switched off.

Observe the following if you must open the hood:

- ► Switch off the vehicle.
- ► Never touch the danger zones surrounding moving components, e.g. the rotation area of the fan.
- ► Remove jewelery and watches.
- ► Keep items of clothing and hair away from moving parts.

**WARNING**
Risk of injury from touching live components

The ignition system and the fuel injection system operate with a high voltage. You could receive an electric shock.

- ► Never touch components of the ignition system or fuel injection system when the vehicle is switched on.

**THE LIVE COMPONENT PARTS INCLUDE THE FOLLOWING, FOR EXAMPLE:**

- Ignition coils
- Fuel injectors
- Electric lines to the ignition coils and the fuel injectors

**WARNING**
Risk of burns from hot component parts in the engine compartment

Certain component parts in the engine compartment can be very hot, e.g. the engine, the cooler and parts of the exhaust system.

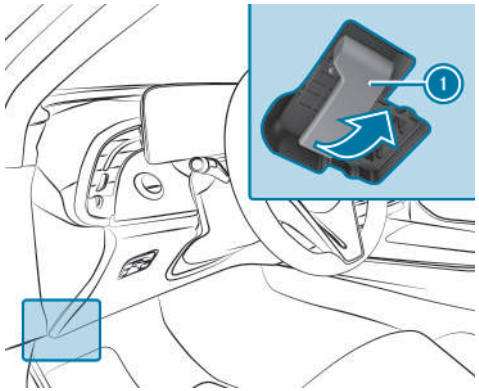
- ► Allow the engine to cool down and only touch component parts described in the following.

**WARNING**
Risk of injury from using the windshield wipers when the hood is open

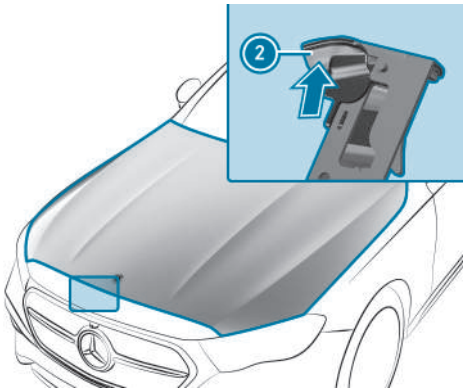
If the windshield wipers start moving when the hood is open, you could be trapped by the wiper linkage.

- ► Always switch off the windshield wipers and the vehicle first if you need to open the hood.

**OPENING THE HOOD**



► To release the hood, pull on handle (1).




► Push handle (2) of the hood catch upwards and lift the hood until it opens automatically.

**CLOSING THE HOOD**

**NOTE**
Damage to the hood due to pressing the hood closed with your hand

If the hood is closed manually, there is a risk of dents.

► Do not close the hood manually.

► Lower the hood to a height of around 8 in (20 cm) and then allow it to fall, applying a little force as you let it go.

► If the hood can still be lifted slightly, open the hood again and close it with a little more force until it engages correctly.

# Engine oil

**CHECKING THE ENGINE OIL LEVEL USING THE DRIVER DISPLAY**

**Requirements:**

- The engine has been warmed up.
- The vehicle is parked on a level surface.
- The engine is running at idle speed.
- The hood is closed.

Determining the engine oil level can take up to 30 minutes with a normal driving style, and even longer with an active driving style.

Driver display:

→ Service

The engine oil level is shown.

**ONE OF THE FOLLOWING MESSAGES WILL APPEAR ON THE DRIVER DISPLAY:**

- Engine Oil Level Measuring Now...: the engine oil level cannot be determined yet.

► Repeat the request after a maximum of 30 minutes of driving.

- Engine Oil Level OK and the bar display for indicating the engine oil level on the driver display is green and is between "min" and "max": the engine oil level is OK.

- Engine Oil Level Refill 1,0 liq.gal. and the bar display for indicating the engine oil level on the driver display is yellow and is below "min":

► Add 1.1 US qt (1 liter) of engine oil.

- Engine Oil Level Reduce and the bar display for indicating the engine oil level on the driver display is yellow and is above "max":

► Drain off any excess engine oil that has been added. Consult a qualified specialist workshop in this regard.

- For Engine Oil Level Switch on Vehicle

► Switch on the vehicle to check the engine oil level.

- Engine Oil Level System Inoperative: The oil level sensor is defective or not connected.

► Consult a qualified specialist workshop.

- Engine Oil Level System Currently Unavailable

► Close the hood.

**TOPPING UP ENGINE OIL**

⚠ **DANGER**
Risk of fatal injuries when carrying out maintenance work during the charging process

During the charging process, the high-voltage on-board electrical system is under high voltage.

► Do not perform any maintenance work during the charging process.

⚠ **WARNING**
Risk of burns when opening the hood

**IF YOU OPEN THE HOOD IN THE EVENT OF AN OVERHEATED ENGINE OR FIRE IN THE ENGINE COMPARTMENT, THE FOLLOWING SITUATIONS MAY OCCUR:**

- You may come into contact with hot gases.
- You may come into contact with other escaping hot operating fluids.

► Before opening the hood, allow the engine to cool down.

► In the event of a fire in the engine compartment, keep the hood closed and call the fire service.

⚠ **WARNING**
Risk of injury due to moving parts

Components in the engine compartment may continue to run or start unexpectedly even when the drive system is switched off.

Observe the following if you must open the hood:

► Switch off the vehicle.

► Never touch the danger zones surrounding moving components, e.g. the rotation area of the fan.

► Remove jewelery and watches.

► Keep items of clothing and hair away from moving parts.

**WARNING**
Risk of burns from hot component parts in the engine compartment

Certain component parts in the engine compartment can be very hot, e.g. the engine, the cooler and parts of the exhaust system.

- Allow the engine to cool down and only touch component parts described in the following.

**WARNING**
Risk of fire and injury from engine oil

If engine oil comes into contact with hot component parts in the engine compartment, it may ignite.

- Make sure that no engine oil is spilled next to the filler opening.
- Allow the engine to cool off and thoroughly clean the engine oil from component parts before starting the vehicle.

**NOTE**
Engine damage caused by an incorrect oil filter, incorrect oil or additives

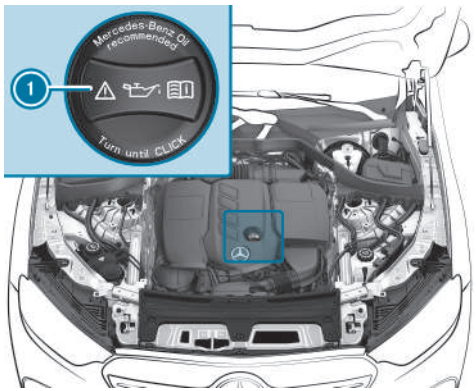
- Do not use engine oils or oil filters which do not correspond to the specifications explicitly prescribed for the service intervals.
- Follow the instructions on the service interval display for changing the engine oil and observe the prescribed change intervals.
- Do not use additives.

**NOTE**
Damage caused by adding too much engine oil

Excessive engine oil can damage the engine or the catalytic converter.

- Have excess engine oil removed in a qualified specialist workshop.

Depending on driving style, the vehicle will consume up to 0.9 US qt (0.8 liters) of oil per 600 miles (1000 km). The oil consumption may also be higher than this when the vehicle is new or if you frequently drive at high engine speeds.




- ► Turn cap (1) counter-clockwise and remove it.
- ► Add engine oil.
- ► Replace cap (1) and turn it clockwise until it engages.
- ► Check the oil level again (⟶ page 39).

## Checking the coolant level

**DANGER**
Risk of fatal injuries when carrying out maintenance work during the charging process

During the charging process, the high-voltage on-board electrical system is under high voltage.

- ► Do not perform any maintenance work during the charging process.

**WARNING**
Risk of burns when opening the hood

**IF YOU OPEN THE HOOD IN THE EVENT OF AN OVERHEATED ENGINE OR FIRE IN THE ENGINE COMPARTMENT, THE FOLLOWING SITUATIONS MAY OCCUR:**

- You may come into contact with hot gases.
- You may come into contact with other escaping hot operating fluids.

- ► Before opening the hood, allow the engine to cool down.
- ► In the event of a fire in the engine compartment, keep the hood closed and call the fire service.

**WARNING**
Risk of injury due to moving parts

Components in the engine compartment may continue to run or start unexpectedly even when the drive system is switched off.

Observe the following if you must open the hood:

- ► Switch off the vehicle.
- ► Never touch the danger zones surrounding moving components, e.g. the rotation area of the fan.
- ► Remove jewelery and watches.
- ► Keep items of clothing and hair away from moving parts.

**WARNING**
Risk of burns from hot component parts in the engine compartment

Certain component parts in the engine compartment can be very hot, e.g. the engine, the cooler and parts of the exhaust system.

- ► Allow the engine to cool down and only touch component parts described in the following.

**WARNING**
Risk of scalding from hot coolant

If you open the cap, you could scald yourself.

- ► Allow the engine to cool down before opening the cap.
- ► When opening the cap, wear protective gloves and safety glasses.
- ► Open the cap slowly to release pressure.

► Have the coolant checked or refilled only at a qualified specialist workshop.

## Filling the windshield washer system

**DANGER**
Risk of fatal injuries when carrying out maintenance work during the charging process

During the charging process, the high-voltage on-board electrical system is under high voltage.

- ► Do not perform any maintenance work during the charging process.

**WARNING**
Risk of burns when opening the hood

**IF YOU OPEN THE HOOD IN THE EVENT OF AN OVERHEATED ENGINE OR FIRE IN THE ENGINE COMPARTMENT, THE FOLLOWING SITUATIONS MAY OCCUR:**

- You may come into contact with hot gases.
- You may come into contact with other escaping hot operating fluids.

- ► Before opening the hood, allow the engine to cool down.
- ► In the event of a fire in the engine compartment, keep the hood closed and call the fire service.

**WARNING**
Risk of injury due to moving parts

Components in the engine compartment may continue to run or start unexpectedly even when the drive system is switched off.

Observe the following if you must open the hood:

- Switch off the vehicle.
- Never touch the danger zones surrounding moving components, e.g. the rotation area of the fan.
- Remove jewelery and watches.
- Keep items of clothing and hair away from moving parts.

**WARNING**
Risk of burns from hot component parts in the engine compartment

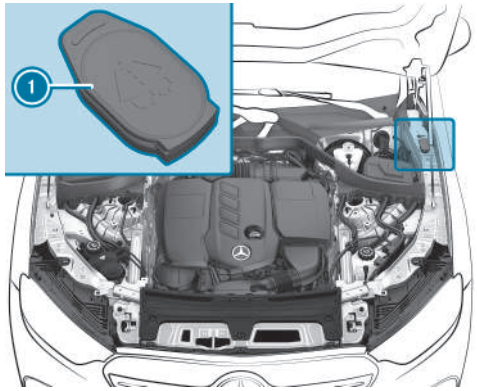
Certain component parts in the engine compartment can be very hot, e.g. the engine, the cooler and parts of the exhaust system.

- Allow the engine to cool down and only touch component parts described in the following.

**WARNING**
- Risk of fire and injury from windshield washer concentrate

Windshield washer concentrate is highly flammable. It could ignite if it comes into contact with hot engine component parts or the exhaust system.

- Make sure that no windshield washer concentrate spills out next to the filler opening.




- Open the cap (1) by pulling on the front protrusion.
- Add washer fluid.

## Keeping the air/water duct free

- Keep the area between the hood and the windshield free of deposits, e.g. ice, snow or leaves.

# Cleaning and care

## Information on washing the vehicle in a car wash

**WARNING**
Risk of accident due to reduced braking effect after washing the vehicle

The braking effect is reduced after washing the vehicle.

- ► After the vehicle has been washed, brake carefully while paying attention to the traffic conditions until the braking effect has been fully restored.

**NOTE**
Damage from automatic braking

**THE VEHICLE WILL BRAKE AUTONOMOUSLY IN CERTAIN SITUATIONS IF THE FOLLOWING FUNCTIONS ARE SWITCHED ON:**

- Active Brake Assist
- Active Distance Assist DISTRONIC
- HOLD function
- Active Parking Assist

To avoid damage to the vehicle, switch these systems off e.g. before towing it or in a car wash.

**NOTE**
Damage due to unsuitable car wash

- ► Before driving into a car wash make sure that the car wash is suitable for the vehicle dimensions.
- ► Ensure there is sufficient ground clearance between the underbody and the guide rails of the car wash.
- ► Ensure that the clearance width of the car wash, in particular the width of the guide rails, is sufficient.

**TO AVOID DAMAGE TO YOUR VEHICLE WHEN USING A CAR WASH, ENSURE THE FOLLOWING BEFOREHAND:**

- Active Distance Assist DISTRONIC is switched off.
- The HOLD function is switched off.
- The 360° camera or the reversing camera is switched off.
- The vehicle is locked and the door handles retracted.
- The side windows and sliding sunroof are completely closed.
- The outside mirrors are retracted.
- The blower for the ventilation and heating is switched off.
- The windshield wiper switch is in position 0.
- The key is at least 20 ft (6 m) away from the vehicle. Otherwise, the trunk lid or a door could open unintentionally.

  This also applies to the Digital Vehicle Key.
- For car washes with conveyor systems:
  - Neutral N is engaged.
  - The vehicle is locked from the inside.
- Do not make any hand movements in the area of the overhead control panel or deactivate the Sliding Sunroof and Roller Sunblind option in the settings for the MBUX interior assistant (⟶ page 533).

ⓘ Removing the wax from the windshield and the wiper rubber after washing the vehicle will help to avoid smearing and reduce wiper noise.

## Car wash mode

In car wash mode, the vehicle is prepared for entering a car wash. Car wash mode can be activated up to a speed of 12 mph (20 km/h) (⟶ page 673).

**WHEN CAR WASH MODE IS ACTIVATED, THE** AUTOMATIC CAR WASH MODE ACTIVE **MESSAGE WILL APPEAR ON THE DRIVER DISPLAY. THE FOLLOWING ADJUSTMENTS WILL BE MADE:**

- The outside mirrors will be folded in.
- To prevent the windshield washer system from starting up automatically, the rain sensor will be deactivated.
- Air-recirculation mode will be activated.
- Parking Assist PARKTRONIC will be deactivated.
- Active Brake Assist will be deactivated if necessary.
- **Vehicles with 360° camera:** the front image will be displayed after approximately eight seconds.
- **Vehicles with HANDS-FREE ACCESS:** kick detection will be deactivated.

If one of the settings cannot be selected, this is displayed by a X behind the respective setting.

Pressing Switch Off will end car wash mode. Car wash mode will automatically be deactivated above a speed of 12 mph (20 km/h).

You can also switch off car wash mode via the MBUX multimedia system (⟶ page 673).

**THE FOLLOWING SETTINGS WILL BE RESET WHEN CAR WASH MODE IS DEACTIVATED:**

- The outside mirrors will be folded out.
- The rain sensor will be activated.

- Air-recirculation mode will be deactivated.
- Parking Assist PARKTRONIC will be reset to the previously selected setting.
- Active Brake Assist will be activated if necessary.
- **Vehicles with 360° camera:** the front image will be deactivated at a speed above 11 mph (18 km/h).
- **Vehicles with HANDS-FREE ACCESS:** kick detection will be activated.

## Activating/deactivating car wash mode

**Requirements:**

- The vehicle is stationary.
- The vehicle is switched on.

Multimedia system:

Settings » Vehicle » Driving

**ACTIVATING CAR WASH MODE**

► Select Car Wash Mode.

► Select Activate.

If one of the settings cannot be selected, this will be shown by a [X] next to the respective setting.

ⓘ For an overview of the settings made when you activate car wash mode (→ page 40).

**DEACTIVATING CAR WASH MODE**

► Select Switch Off.

The car wash mode settings will be reset.

ⓘ Car wash mode will be automatically deactivated as soon as your speed exceeds 12 mph (20 km/h).

## Information on using a power washer

⚠ **WARNING**
Risk of an accident when using power washers with round-spray nozzles

The water jet can cause externally invisible damage.

Components damaged in this way may unexpectedly fail.

► Do not use a power washer with round-spray nozzles.

► Have damaged tires or chassis parts replaced immediately.

**TO AVOID DAMAGE TO YOUR VEHICLE, OBSERVE THE FOLLOWING WHEN USING A POWER WASHER:**

- Keep the key at least 10 ft (3 m) away from the vehicle. Otherwise, the trunk lid or a door could open unintentionally.
  This also applies to the Digital Vehicle Key.
- Maintain a distance of at least 11.8 in (30 cm) to the vehicle.
- **Vehicles with decorative foil:** parts of your vehicle are covered with a decorative foil. Maintain a distance of at least 27.6 in (70 cm) between

the foil-covered parts of the vehicle and the nozzle of the power washer. Move the nozzle of the power washer around while cleaning. The water temperature of the power washer must not exceed 140°F (60°C).

- Observe the information on the correct distance in the equipment manufacturer's operating instructions.
- Do not direct the nozzle of the power washer directly at sensitive parts, e.g. tires, gaps, electrical components, batteries, illuminants or louvers.

## Washing the vehicle by hand

**NOTE**
Engine damage due to water ingress

► Take care not to point the water jet directly towards the air inlet grille below the hood.

Observe the relevant legal requirements (for example in some countries, washing by hand is permitted only in specially designated wash bays).

► Use a mild cleaning agent, e.g. car shampoo.

► Do not use acidic cleaning agents.

► Do not use any aggressively alkaline cleaning agents.

► Wash the vehicle with lukewarm water using a soft car sponge. Do not expose the vehicle to direct sunlight when washing.

► Carefully hose the vehicle off with water and dry using a chamois.

Observe the notes on the care of car parts (⟶ page 676).

## Notes on the care of paintwork/matte finish paintwork

To avoid damaging the paintwork and interfering with the driving assistance systems, please observe the following information:

**PAINTWORK**

- Insect remnants: soak with insect remover and then rinse off the treated areas.
- Bird droppings: soak with water and then rinse off the treated areas.
- Tree resin, oils, fuels, and greases: remove by rubbing gently with a cloth soaked in cleaner's naphtha or lighter fluid.
- Coolant and brake fluid: remove with a damp cloth and clean water.
- Tar stains: apply tar remover.
- Wax: apply silicone remover.
- Do not attach stickers, films, or similar materials. Always have a qualified specialist workshop attach plastic films to the bumper.
- Remove dirt immediately, where possible. Do not use acid solutions and acidic cleaners.
- Do not use highly alkaline cleaning agents.

**MATTE FINISH**

- Only use care products approved for Mercedes-Benz.
- Do not attach stickers, films, or similar materials. Always have a qualified specialist workshop attach plastic films to the bumper.
- Do not polish the vehicle or light-alloy wheels.
- Only use car washes that comply with the latest engineering standards.
- Do not use car wash programs with a final hot wax treatment.
- Do not use paint cleaners, buffing or polishing products, or gloss preservers, e.g.,wax.

**IN THE EVENT OF PAINTWORK SUSTAINING DAMAGE:**

- Only have paintwork repairs carried out at a qualified specialist workshop.
- Ensure correct functioning of the radar sensors (⟶ page 391).

## Notes on cleaning decorative car films

Please observe the "Notes on paintwork/matt paintwork care“ (⟶ page 674). These notes also apply for matt decorative car films.

To avoid damage, please observe the notes on cleaning decorative car films.

**CLEANING**

- When cleaning with a power washer, maintain a minimum distance of 27.6 in (70 cm) between the film-covered parts of the vehicle and the nozzle of the power washer.
- To clean, use lots of water and a mild cleaning agent without additional or abrasive products, e.g. a car shampoo approved for Mercedes-Benz.
- Do not use any acidic cleaning agents.
- Remove dirt immediately, if possible. Avoid hard rubbing to avoid damaging the decorative car film irreparably.
- In case of dirt embedded in the surface or a dull decorative car film: use the 'Paint Cleaner' cleaning agent recommended and approved for Mercedes-Benz.
- Insect remains: Soak with insect remover and rinse off the treated areas afterwards.
- Bird droppings: Soak with water and rinse off afterwards.
- Dry vehicles covered with car film after every wash using a soft, absorbent cloth to prevent water stains.

**PREVENTING DAMAGE TO THE DECORATIVE CAR FILM**

- The durability and color of decorative car films are affected by:
  - Solar radiation
  - Temperature, e.g. heat gun
  - Weather
  - Stone chips and dirt
  - Chemical cleaning products
  - Products containing grease
- Do not use polishes on matt decorative car films. Polishing results in the film-covered surface developing a shine.
- Do not use wax on matt or structured decorative car films. This may result in permanent stains.

Scratches, corrosive deposits, etched areas and damage caused by inadequate care cannot always be completely repaired. In such cases, please contact a qualified specialist workshop.

For more information about special care and cleaning products, please contact the manufacturer.

Laminated surfaces may exhibit optical differences to surfaces which were not protected by a decorative film when the decorative film is removed.

ⓘ Have work or repairs on decorative car film carried out at a qualified specialist workshop, e.g. a Mercedes-Benz Service Center.

# Information on window foils

**NOTE**
Damage to electronic components due to excess fluids

When window films have been retrofitted, fluids such as cleaning agents or water may run down and get behind trim parts of the vehicle interior and cause damage to electronic components.

- ► Use cleaning agents as sparingly as possible.
- ► Immediately absorb any excess fluids.

# Notes on cleaning and care of vehicle parts

**WARNING**
Risk of entrapment if the windshield wipers are switched on while the windshield is being cleaned

If the windshield wipers are set in motion while you are cleaning the windshield or wiper blades, you can be trapped by the wiper arm.

- ► Always switch off the windshield wipers and the vehicle before cleaning the windshield or wiper blades.

**NOTE**
Damage caused by acidic cleaning agents

- ► Do not use acidic cleaning agents. Otherwise, the surfaces could be damaged.

To avoid damage to the vehicle, observe the notes on cleaning and care of the following car parts:

**WINDOWS**

**NOTE**
Damage to electronic components due to excess fluids

When cleaning the windows from the inside, fluids such as cleaning agents or water may run down and get behind trim parts of the vehicle interior and cause damage to electronic components.

- ► Use cleaning agents as sparingly as possible.
- ► Immediately absorb any excess fluids.

- Clean the windows on the inside and outside with a damp cloth and with a cleaning agent recommended for Mercedes-Benz.
- Do not use dry cloths or abrasive or solvent-based cleaning agents to clean the insides of windows.

After changing the wiper blades or treating the vehicle with wax, clean the windshield thoroughly with cleaning agents recommended for Mercedes-Benz. Failure to observe the application instructions may result in damage, smear marks or glare.

Remove external misting or dirt on the windshield in front of the multifunction camera. Otherwise, driving systems and driving safety systems may become impaired or unavailable (⟶ page 391).

### WHEELS AND RIMS

- Use water and acid-free wheel cleaners.
- Do not use acidic wheel cleaners to remove brake dust. This could damage wheel bolts and brake components.
- Always use neutral wheel cleaners which have been approved by Mercedes-Benz for alloy wheels. Treatment times of more than ten minutes are not permissible.
- To avoid corrosion of the brake discs and brake linings, drive the vehicle for a few minutes after cleaning before parking up. The brake discs and brake linings will warm up and dry out.

### WIPER BLADES

**NOTICE**
Risk of damage to the wiper blades due to incorrect cleaning

The wiper blades are coated with graphite. This coating may be removed or become damaged during cleaning.

As a consequence, wiping quality and performance could be impaired and may result in the wipers producing noises.

► To protect the coating, do not clean the wiper blades.

► If the wiper blades are very dirty, they can be cleaned with a soft, damp cloth. To do this, gently pull the cloth over the wiper lip with minimal pressure.

### EXTERIOR LIGHTING

- Clean the lenses with a wet sponge and a mild cleaning agent (e.g.car shampoo).
- Only use cleaning agents or cleaning cloths that are suitable for plastic lenses.

### VEHICLE SOCKET (HIGH-VOLTAGE BATTERY)

- Use clean water and a soft cloth to clean the vehicle socket.
- Do not use power washers or cleaning agents (such as soap).

### SENSORS

- Clean the sensors in the front and rear sections of the vehicle with car shampoo, plenty of water and a soft cloth (⟶ page 391).
- When using a power washer, maintain a minimum distance of 11.8 in (30 cm).

### CAMERAS

- Open the camera cover with the multimedia system (⟶ page 449).
- Use clean water and a soft cloth to clean the camera lenses.
- Do not use a power washer.

Remove external misting or dirt on the windshield in front of the multifunction camera. Otherwise, driving systems and driving safety systems may become impaired or unavailable (⟶ page 391).

# Notes on interior care

**WARNING**
Risk of injury from plastic parts breaking off after the use of solvent-based care products

Care and cleaning products containing solvents can cause surfaces in the cockpit to become porous. When the airbags are deployed, plastic parts may break away.

► Do not use any care or cleaning products containing solvents to clean the cockpit.

**WARNING**
Risk of injury or fatal injuries from bleached seat belts

Bleaching or dyeing seat belts can severely weaken them.

This can, for example, cause seat belts to tear or fail in an accident.

► Never bleach or dye seat belts.

**NOTE**
Property damage due to disinfectants

The interior includes a number of sensitive surfaces such as displays, plastics and leather.

Disinfectants can contain alcohol and other substances that penetrate and damage surfaces. Technology behind buttons and displays can also be damaged.

► Do not use disinfectant on interior surfaces.

To avoid damage to the vehicle, observe the following notes on cleaning and care:

**SEAT BELTS**
- Clean with lukewarm, soapy water.
- Do not use chemical cleaning agents.
- Do not dry by heating to more than 176 °F (80 °C) or exposing to direct sunlight.

**DISPLAY**
- Switch off the display and allow it to cool.
- Clean the surface carefully with a microfiber cloth and a suitable display care product (TFT LCD).
- Do not use any other agents.

**HEAD-UP DISPLAY**
- Clean with a soft, non-static, lint-free cloth.
- Do not use cleaning agents.

**PLASTIC TRIM**
- Clean with a damp microfiber cloth.

- For heavy soiling, use a cleaning agent recommended for Mercedes-Benz.
- Do not attach stickers, films or similar materials.
- Do not allow cosmetics, insect repellent or sun cream to come into contact with the plastic trim.

**GENUINE WOOD AND TRIM ELEMENTS**

- Clean with a microfiber cloth.
- Black piano-lacquer look: clean with a damp cloth and soapy water.
- For heavy soiling, use a cleaning agent recommended for Mercedes-Benz.
- Do not use solvent-based cleaning agents, polishes or waxes.

**HEADLINER**

- Clean with a brush or dry shampoo.

**CARPET AND TRUNK**

- Use a carpet and textile cleaning agent recommended for Mercedes-Benz.

**STEERING WHEEL**

**NOTICE**

Damage resulting from the use of improper cleaning agents

► Observe the following information regarding cleaning of the steering wheel. Otherwise the surface material could sustain damage.

- Do not use oil-based cleaning and care products.
- Do not use solvent-based cleaning agents, such as tar remover or wheel cleaners.
- Do not use a microfiber cloth.
- Do not allow to become wet when cleaning.

- Clean the entire steering wheel with a damp cotton cloth, and 1% soap solution as required.
- Do not spot clean.
- Use only cleaning agents and care products on the surface material which have been approved for Mercedes-Benz.
  - Microfiber surface material: use commercially approved cleaning agents and care products specifically for microfiber.
  - Leather/imitation leather surfaces: use commercially approved cleaning agents and care products specifically for leather.

Leather is a natural product. It has natural surface characteristics, such as differences in structure, marks caused by growth and injury or subtle color differences. These surface characteristics are particular to leather, and are not material defects. Leather is also subject to a natural aging process, which changes the surface characteristics.

### GENUINE LEATHER SEAT COVERS

- Vacuum up any uncleanliness, such as crumbs or dust and then clean the seat covers with a damp cotton cloth and wipe down with a dry cloth. Regularly clean the seat covers.
- For heavy soiling, use an aftercare leather care agent recommended for Mercedes-Benz.
- Leather care: use a leather care agent recommended for Mercedes-Benz.
- Do not use a microfiber cloth.
- Do not allow the leather to become too damp.
- Do not use oil-based cleaning and care products.

ⓘ Leather is a natural product. It has natural surface characteristics, such as differences in structure, marks caused by growth and injury or subtle color differences. These surface characteristics are particular to leather, and are not material defects.
Leather is also subject to a natural aging process, which changes the surface characteristics.
Waves or wrinkling in the seat cover may occur due to the stress on the seat; this is caused by the natural leather material.
Regular cleaning and care of the leather will reduce dirt build-up, wear marks and aging damage and thus significantly extend its life span. Clothing that can leave stains (e.g.jeans) may discolor the leather.

### DINAMICA SEAT COVERS

- Vacuum up any uncleanliness, such as crumbs or dust and then use a damp cloth to clean.
- Do not use a microfiber cloth.

### IMITATION LEATHER SEAT COVERS

- Vacuum up any uncleanliness, such as crumbs or dust and then use a damp cotton cloth and a 1% soap solution to clean the entire seat cover. Do not spot clean.
- Use cleaning and care products recommended for Mercedes-Benz.
- Do not use a microfiber cloth.
- Do not use oil-based cleaning and care products.

### CLOTH SEAT COVERS

- Vacuum up dirt such as crumbs or dust and then use a damp microfiber cloth and a 1% soap solution to clean the entire seat cover. Do not spot clean.
- Use cleaning and care products recommended for Mercedes-Benz.
- Do not use oil-based cleaning and care products.

Back to contents

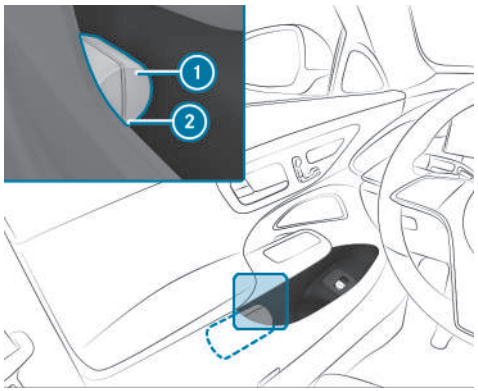
# Breakdown assistance

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
You can return here at any time via the navigation bar at the top left.

Emergency
Flat tire
Battery (vehicle)
Tow starting or towing away
Electrical fuses

# Emergency

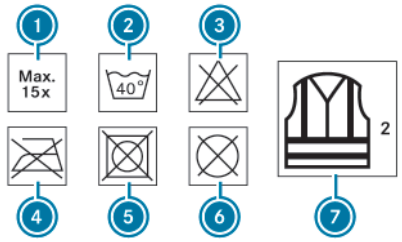
## Removing the safety vest




There is a safety vest stowage recess in the door stowage compartments of all doors for storing a safety vest.

- To remove: pull out the safety vest bag (1) using the loop (2).
- Open the safety vest bag (1) and take out the safety vest.
- To replace: fold the safety vest, roll it up and insert it into the safety vest bag (1).
- Slide the safety vest bag (1) along the underside of the armrest into the safety vest stowage recess. Ensure that the loop (2) remains hanging out so that it is easy to grasp.

Remove the packaging film from a new safety vest before sliding it into the safety vest stowage recess. Otherwise, it may slide out unintentionally or the packaging may hinder its removal.
Observe the legal requirements for the individual countries.




1. Maximum number of washes
2. Maximum wash temperature
3. Do not bleach
4. Do not iron
5. Do not tumble dry
6. Do not dry clean
7. Class 2 safety vest

The requirements defined by the legal standard are only fulfilled if the safety vest is the correct size and is fully closed.

**REPLACE THE SAFETY VEST IN THE FOLLOWING CASES:**

- The reflective strips are damaged or dirty.

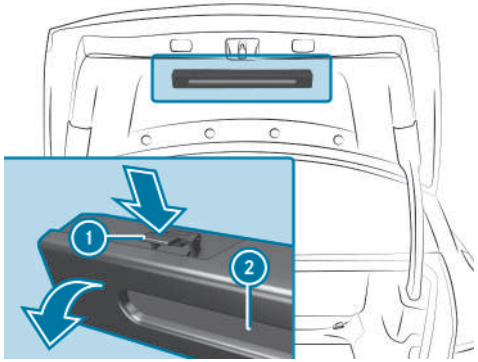
- The maximum permissible number of washes is exceeded.
- The fluorescence property diminishes, e.g.due to permanent exposure to sunlight.

**DISPOSE OF THE SAFETY VEST IN AN ENVIRONMENTALLY-FRIENDLY WAY:**

- Please contact your local waste disposal company.

# Warning triangle

**REMOVING THE WARNING TRIANGLE**




► Push both sides of the warning triangle holder (1) in the direction indicated by the arrow and open.

► Remove the warning triangle (2).

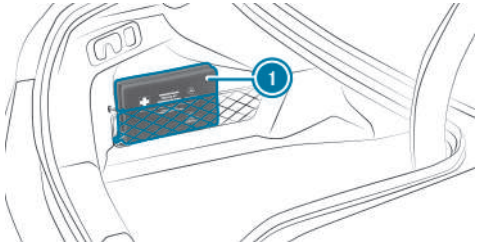
The warning triangle is located in the trunk lid.

**SETTING UP THE WARNING TRIANGLE**

► Fold the side reflectors upwards to form a triangle and attach using the upper snap fastener.

► Fold the legs down and out to the side.

# First-aid kit overview




The first-aid kit (1) is located in the trunk on the left in the stowage net.

Depending on the respective vehicle version, the first-aid kit (1) may be located in other positions in the trunk.

# Flat tire

## Notes in the event of a flat tire

**WARNING**
Risk of accident due to a flat tire

A flat tire severely affects the driving characteristics as well as steering and braking.

**Tires without run-flat characteristics:**

- ► Do not drive on with a flat tire.
- ► Change the flat tire immediately with an emergency spare wheel or spare wheel. Alternatively, consult a qualified specialist workshop.

**Tires with run-flat characteristics:**

- ► Observe the information and warning notes on MOExtended tires (run-flat tires).

**IN THE EVENT OF A FLAT TIRE, THE FOLLOWING OPTIONS ARE AVAILABLE DEPENDING ON YOUR VEHICLE'S EQUIPMENT:**

- **Vehicles with MOExtended tires:** it is possible to continue the journey for a short period of time. Make sure you observe the notes on MOExtended tires (run-flat tire) (⟶ page 685).
- **Vehicles with a TIREFIT kit:** you can seal the tire so that it is possible to continue the journey for a short period of time. To do this, use the TIREFIT kit (⟶ page 686).
- **Vehicles with Mercedes-Benz Support:** in the event of a breakdown, you can make a breakdown call via the overhead control panel (⟶ page 622).
- **All vehicles:** change the wheel (⟶ page 743).

The emergency spare wheel is only available in certain countries (⟶ page 750).
Vehicles with MOExtended tires are not equipped with a TIREFIT kit at the factory. If you retrofit your vehicle with tires without run-flat properties, e.g., winter tires, you should also equip it with a TIREFIT kit. You can obtain a TIREFIT kit in a qualified specialist workshop.
**Vehicles with a Mercedes-Benz emergency call system which are not equipped with a TIREFIT kit:** in the event of a flat tire, consult the Mercedes-Benz emergency call system Customer Assistance Center.

# Notes on MOExtended tires (run-flat tires)

**WARNING**
Risk of accident when driving in limp-home mode

When driving in emergency mode the handling characteristics are impaired.

- ► Do not exceed the specified maximum speed of the MOExtended tires.
- ► Avoid any abrupt steering and driving maneuvers as well as driving over obstacles (curbs, pot holes, off-road). This applies, in particular, to a loaded vehicle.
- ► Stop driving in the emergency mode if you notice:
  - Banging noise
  - Vehicle vibration
  - Smoke which smells like rubber
  - Continuous ESP® intervention
  - Cracks in the tire side walls
- ► After driving in emergency mode, have the rims checked by a qualified specialist workshop with regard to their further use.
- ► The defective tire must be replaced in every case.

With MOExtended tires (run-flat tires), you can continue to drive your vehicle even if there is a total loss of pressure in one or more tires. However, the tire affected must not show any clearly visible damage.

You can recognize MOExtended tires by the MOExtended marking which appears on the side wall of the tire.

**Vehicles with tire pressure monitoring system:** MOExtended tires may only be used in conjunction with an activated tire pressure monitoring system.

**IF A PRESSURE LOSS WARNING MESSAGE APPEARS IN THE DRIVER'S DISPLAY, PROCEED AS FOLLOWS:**

- Check the tire for damage.
- If driving on, observe the following notes.

**DRIVING DISTANCE POSSIBLE IN EMERGENCY MODE AFTER THE PRESSURE LOSS WARNING:**

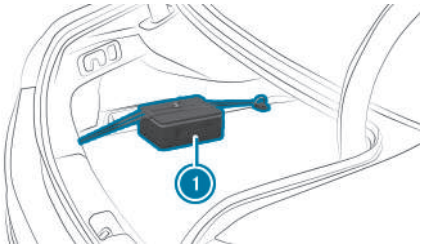
| Load condition | Driving distance possible in emergency mode |
|---|---|
| Partially laden | 50 miles (80 km) |
| Fully laden | 19 miles (30 km) |

The driving distance possible in emergency mode may vary depending on the driving style. Observe the maximum permissible speed of 50 mph (80 km/h).

If a tire has gone flat and cannot be replaced with an MOExtended tire, you can use a standard tire as a temporary measure.

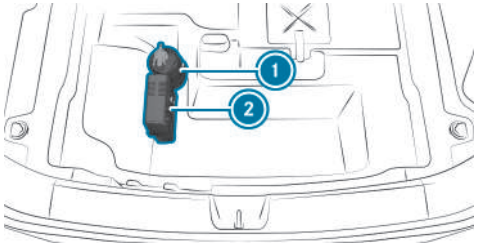
# TIREFIT kit storage location

**PLUG-IN HYBRID**




The TIREFIT kit (1) is located on the left-hand side of the trunk upon delivery of the vehicle.

**Not plug-in hybrid**




(1) Tire sealant bottle
(2) Tire inflation compressor

The TIREFIT kit is located under the trunk floor upon delivery of the vehicle.

Depending on the vehicle version, the TIREFIT kit may be located in a different position in the trunk.

**DEPENDING ON THE RESPECTIVE POWER CATEGORY (LK), THE TIRE INFLATION COMPRESSOR WEIGHS AS FOLLOWS:**

- LK2 – 12 V/15 A, 180 W, 2 lbs (0.9 kg)

You can find information on the power category (LK) and/or electrical data on the back of the tire inflation compressor.
The tire inflation compressor is maintenance-free. In the event of a malfunction, please contact a qualified specialist workshop.

# Using the TIREFIT kit

**Requirements:**

- The tire sealant bottle and tire inflation compressor are ready for use (⟶ page 67).
- The TIREFIT sticker is displayed.
- Gloves are at hand.

TIREFIT kit storage location: (⟶ page 67)

You can use TIREFIT tire sealant to seal perforation damage of up to 0.16 in (4 mm), particularly on the tire contact surface. The TIREFIT can be used at outside temperatures down to -4 °F (-20 °C).

**WARNING**
Risk of accident when using tire sealant

The tire sealant may be unable to seal the tire properly, especially in the following cases:

- There are large cuts or punctures in the tire (larger than damage previously mentioned)
- The wheel rims have been damaged
- After journeys with very low tire pressure or with flat tires

► Do not continue driving.

► Consult a qualified specialist workshop.

**WARNING**
Risk of injury and poisoning from tire sealant

The tire sealant is harmful and causes irritation. Do not allow it to come into contact with the skin, eyes or clothing, and do not swallow it. Do not inhale tire sealant fumes. Keep the tire sealant away from children.

If you come into contact with the tire sealant, observe the following:

► Rinse off the tire sealant from your skin immediately using water.

► If tire sealant gets into your eyes, thoroughly rinse out the eyes using clean water.

► If tire sealant has been swallowed, immediately rinse out the mouth thoroughly and drink plenty of water. Do not induce vomiting and seek medical attention immediately.

► Change out of any clothes contaminated with tire sealant immediately.

► If allergic reactions occur, seek medical attention immediately.

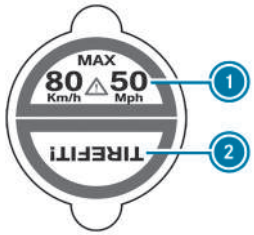
**NOTE**
Overheating due to the tire inflation compressor running too long

► Do not run the tire inflation compressor for longer than ten minutes without interruption.

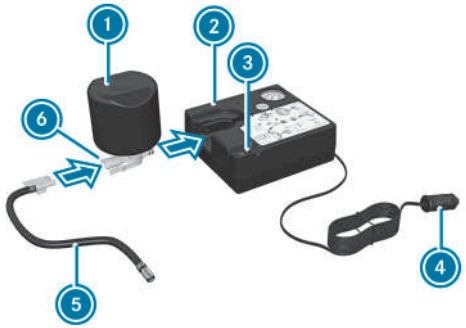
Comply with the manufacturer's safety notes on the sticker on the tire inflation compressor.

Have the tire sealant bottle replaced at a qualified specialist workshop every five years.

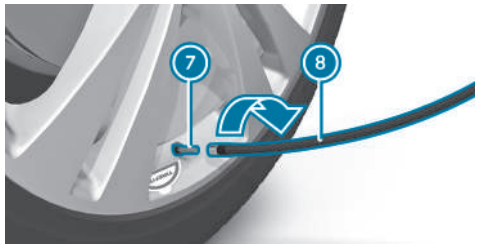
- Do not remove any foreign objects that have pierced the tire.




- Affix the part (1) of the TIREFIT sticker onto the driver display within the driver's field of vision.
- Affix the part (2) of the TIREFIT sticker near the valve on the wheel with the defective tire.



- Pull the plug (4) with cable and hose (5) out of the tire inflation compressor housing.
- Push the plug of the hose (5) into the flange (6) of the tire sealant bottle (1) until the plug engages.
- Insert the tire sealant bottle (1) with the head pointing downwards into the recess (2) of the tire inflation compressor.



- Remove the valve cap from the valve (7) on the defective tire.
- Screw the filling hose (8) onto the valve (7).
- Insert the plug (4) into a 12 V socket in your vehicle (→ page 258).
- Switch on the vehicle.
- Press the On/Off switch (3) on the tire inflation compressor.

  The tire inflation compressor is switched on. The tire will be inflated. First, tire sealant is pumped into the tire. The pressure may briefly rise to approximately 500 kPa (5 bar/73 psi).

**Do not switch off the tire inflation compressor during this phase!**

- Allow the tire inflation compressor to run for a maximum of ten minutes.

  The tire should then have reached a tire pressure of at least 200 kPa (2.0 bar/29 psi).

If tire sealant leaks out, ensure that the affected area is cleaned as quickly as possible. Ideally, use clean water.

If you get tire sealant on your clothing, have it cleaned with perchloroethylene at a dry cleaner's as soon as possible.

**IF, AFTER TEN MINUTES, A TIRE PRESSURE OF 200 KPA (2.0 BAR/29 PSI) IS NOT REACHED:**

- Switch off the tire inflation compressor.
- Unscrew the filling hose from the valve of the defective tire.

Please note that tire sealant may leak out when unscrewing the filling hose.

- Drive the vehicle forwards or in reverse very slowly for approximately 33 ft (10 m).
- Inflate the tire again.

  After a maximum of ten minutes, the tire pressure should be at least 200 kPa (2.0 bar/29 psi).

**WARNING**
Risk of accident due to the specified tire pressure not being achieved

If the specified tire pressure is not achieved after the specified time, the tire is too badly damaged. The tire sealant cannot repair the tire in this instance.

The braking characteristics as well as the driving characteristics may be greatly impaired.

- Do not continue driving.
- Consult a qualified specialist workshop.

**IF, AFTER TEN MINUTES, A TIRE PRESSURE OF 200 KPA (2.0 BAR/29 PSI) IS REACHED:**

**WARNING**
Risk of accident from driving with sealed tires

A tire temporarily sealed with tire sealant impairs the handling characteristics and is not suitable for higher speeds.

- Adapt your driving style accordingly and drive carefully.
- Do not exceed the maximum speed limit with a tire that has been repaired using tire sealant.

- Observe the maximum permissible speed of 50 mph (80 km/h) for a tire sealed with tire sealant.

- Affix the upper section of the TIREFIT sticker to the driver display in a location where it will be easily seen by the driver.

**NOTE**
Staining caused by leaking tire sealant

After use, excess tire sealant may leak out from the filling hose.

- Therefore, place the filling hose in the plastic bag that contained the TIREFIT kit.

**ENVIRONMENTAL NOTE**
Environmental pollution caused by environmentally irresponsible disposal

Tire sealant contains pollutants.

- Have the tire sealant bottle disposed of professionally, e.g. at an authorized Mercedes-Benz Center.

- Switch off the tire inflation compressor.
- Unscrew the filling hose from the valve of the defective tire.
- Stow the tire sealant bottle and the tire inflation compressor.
- Pull away immediately.
- Stop driving after approximately ten minutes and check the tire pressure using the tire inflation compressor.
  The tire pressure should now be at least 130 kPa (1.3 bar/19 psi).

**WARNING**
Risk of accident due to the specified tire pressure not being attained

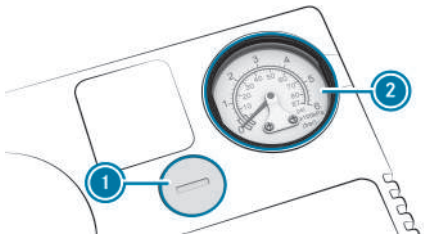
If the specified tire pressure is not reached, the tire is too badly damaged. The tire sealant cannot repair the tire in this instance.

The braking and driving characteristics may be greatly impaired.

- Do not continue driving.
- Consult a qualified specialist workshop.

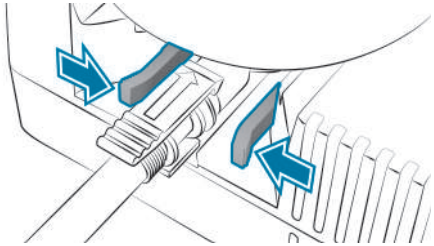
In cases such as the one mentioned above, contact an authorized Mercedes-Benz Service Center. Or call 1-800-FOR-MERCedes (in the USA) or 1-800-387-0100 (in Canada).

- Correct the tire pressure if it is still at least 130 kPa (1.3 bar/19 psi). For values, refer to the tire data and load data plate on the B-pillar on the driver's side or the tire pressure table on the fuel filler flap.
- **To increase the tire pressure:** switch on the tire inflation compressor.




- **To reduce the tire pressure:** press the pressure release button (1) next to the manometer (2).

- When the tire pressure is correct, unscrew the filling hose from the valve of the sealed tire.
- Screw the valve cap onto the valve of the sealed tire.



- Pull the tire sealant bottle out of the tire inflation compressor. Press the locking tabs on the yellow cap together to release.

  The filling hose remains on the tire sealant bottle.
- Drive to the nearest qualified specialist workshop and have the tire, tire sealant bottle and filling hose replaced.

# Battery (vehicle)

## Notes on the 12 V battery

**WARNING**
Risk of an accident due to work carried out incorrectly on the battery

Work carried out incorrectly on the battery can, for example, lead to a short circuit. This can restrict functions relevant for safety systems and impair the operating safety of your vehicle.

**YOU COULD LOSE CONTROL OF THE VEHICLE IN THE FOLLOWING SITUATIONS IN PARTICULAR:**

- When braking
- In the event of abrupt steering maneuvers and/or when the vehicle's speed is not adapted to the road conditions

► In the event of a short circuit or a similar incident, contact a qualified specialist workshop immediately.

► Do not drive on.

► Always have work on the battery carried out at a qualified specialist workshop.

- Further information on ABS (⟶ page 393)
- Further information on ESP® (⟶ page 394)

For safety reasons, Mercedes-Benz recommends that you only use batteries which have been approved for your vehicle by Mercedes-Benz.

**ALL VEHICLES EXCEPT VEHICLES WITH A LITHIUM-ION BATTERY**

**WARNING**
Risk of explosion due to electrostatic charge

Electrostatic charge can ignite the highly explosive gas mixture in the battery.

► To discharge any electrostatic charge that may have built up, touch the metal vehicle body before handling the battery.

The highly flammable gas mixture is created while the battery is charging and during starting assistance.

**WARNING**
Danger of chemical burns from the battery acid

Battery acid is caustic.

- Avoid contact with the skin, eyes or clothing.
- Do not lean over the battery.
- Do not inhale battery gases.
- Keep children away from the battery.
- Immediately rinse battery acid off thoroughly with plenty of clean water and seek medical attention immediately.

**ALL VEHICLES**

**ENVIRONMENTAL NOTE**
Environmental damage due to improper disposal of batteries

Batteries contain pollutants. It is illegal to dispose of them with the household rubbish.

- Dispose of batteries in an environmentally responsible manner. Take discharged batteries to a qualified specialist workshop or to a collection point for used batteries.

If it is necessary to disconnect the 12 V battery, consult a qualified specialist workshop.

Comply with safety notes and take protective measures when handling batteries.

Risk of explosion if the 12 V battery is used improperly.

Fire, open flame and smoking are prohibited when handling the battery. Avoid creating sparks.

Electrolyte or battery acid is corrosive. Avoid contact with your skin, eyes or clothing. Wear suitable protective clothing, in particular gloves, apron and face mask. Immediately rinse electrolyte or acid splashes off with clean water. Consult a doctor.

Do not place heavy objects on the surface of the battery or use the battery to support a person in any way.

Wear safety glasses.

Keep children away.

Observe this Operator's Manual.

**IF YOU DO NOT INTEND TO USE THE VEHICLE OVER AN EXTENDED PERIOD OF TIME, OBSERVE THE FOLLOWING:**

- Connect the battery to a battery charger approved by Mercedes-Benz or consult a qualified specialist workshop to disconnect the battery.

# Notes on the 48-V-battery

**WARNING**
Risk of an accident due to work carried out incorrectly on the battery

Work carried out incorrectly on the battery can, for example, lead to a short circuit. This can restrict functions relevant for safety systems and impair the operating safety of your vehicle.

**YOU COULD LOSE CONTROL OF THE VEHICLE IN THE FOLLOWING SITUATIONS IN PARTICULAR:**

- When braking
- In the event of abrupt steering maneuvers and/or when the vehicle's speed is not adapted to the road conditions

► In the event of a short circuit or a similar incident, contact a qualified specialist workshop immediately.

► Do not drive on.

► Always have work on the battery carried out at a qualified specialist workshop.

- Further information on ABS (⟶ page 393)
- Further information on ESP® (⟶ page 394)

**ENVIRONMENTAL NOTE**
Environmental damage due to improper disposal of batteries

Batteries contain pollutants. It is illegal to dispose of them with the household trash.

► Li-ion Dispose of batteries in an environmentally responsible manner. Take discharged batteries to a qualified specialist workshop or to a collection point for used batteries.

Only have work on the 48-V-battery carried out at a qualified specialist workshop.

Comply with safety notes and take protective measures when handling batteries.

Risk of explosion if the 48-V-battery is used improperly.

The surface of the 48-V-battery may be hot.

Fire, naked flame and smoking are prohibited when handling the battery. Avoid creating sparks.

Electrolyte or battery acid is corrosive. Avoid contact with your skin, eyes or clothing. Wear suitable protective clothing, in particular gloves, apron and face mask. Immediately rinse off splashes of electrolyte or acid with plenty of clean water. Consult a doctor.

Do not place heavy objects on the surface of the battery or use the battery to support a person in any way.

Do not perform any work on the battery. Always have any work on the battery carried out at a qualified specialist workshop. Do not

disconnect the battery yourself. Do not remove the battery yourself. Do not attempt to open the battery.

Keep children away.

Wear safety glasses.

Observe this Operator's Manual.

If you do not want to use the vehicle for a long period of time, consult a qualified specialist workshop.

## Notes on the high-voltage battery

**DANGER**
Risk of fire and explosion from excessive internal pressure of the high-voltage battery

In the event of a vehicle fire, flammable gas can escape and ignite.

- If there is an unusual smell, smoke or burn marks, stop the charging process immediately.
- Leave the danger zone immediately. Secure the danger area at a sufficient distance.
- Call the fire service.

Observe the notes on charging the high-voltage battery (⟶ page 354).

Risk of explosion.

Fire, naked flames and smoking are prohibited when handling the battery. Avoid creating sparks.

Electrolyte or battery acid is corrosive. Avoid contact with the skin, eyes or clothing. Wear suitable protective clothing, in particular gloves, an apron and a face mask. Immediately rinse electrolyte or acid splashes off with clean water. Consult a doctor.

Wear safety glasses.

Keep children away.

Observe this Operator's Manual.

## Notes on starting assistance and charging the 12-V-battery

**ALL VEHICLES**
Always use the jump-start connection point in the engine compartment for charging the battery and starting assistance.

**NOTICE**
Damage to the battery due to overvoltage

When charging using a battery charger without a maximum charging voltage, the battery or the on-board electronics may be damaged.

- Only use battery chargers with a maximum charging voltage of 14.8 V.

**WARNING**
Risk of explosion due to igniting hydrogen gas

If you cause a short circuit or sparks occur, the hydrogen gas may ignite when a battery is charging.

- Ensure that the positive terminal of a connected battery does not come into contact with vehicle parts.
- Never place metal objects or tools on a battery.
- When connecting and disconnecting the battery, always observe the sequence of battery terminals described.
- When jump starting, take care to connect only battery terminals of identical polarity.
- When jump starting, always observe the sequence described for connecting and disconnecting the jumper cables.
- Do not connect or disconnect the battery terminals when the engine is running.

**WARNING**
Risk of explosion due to a mixture of explosive gases

A mixture of explosive gases can escape from the battery during charging and jump starting.

- Fire, open flames, smoking and creating sparks must be avoided.
- Make sure that there is sufficient ventilation.
- Do not stand over the battery.

**WARNING**
Risk of explosion from a frozen battery

A discharged battery may freeze at temperatures slightly above or below freezing point.

During starting assistance or battery charging, battery gas can be released.

- Always allow a battery to thaw before charging it or performing starting assistance.

If the indicator/warning lamps in the driver display do not light up at low temperatures, the discharged battery is very likely frozen. In this case you may neither jump-start the vehicle nor charge the battery.

The service life of a defrosted battery may be drastically shortened. The starting behavior may deteriorate, in particular at low temperatures.

It is recommended to have a defrosted battery checked at a qualified specialist workshop.

**PLUG-IN HYBRID**

If your vehicle has been started with starting assistance, it may not be possible to use the electric drive for approximately 30 minutes.

Starting assistance is not considered to be a normal operating status.

**ALL VEHICLES**

**NOTE**

Damage caused by numerous or extended attempts to start the engine

Numerous or extended attempts to start the engine may damage the catalytic converter due to non-combusted fuel.

► Avoid numerous and extended attempts to start the engine.

**OBSERVE THE FOLLOWING POINTS DURING STARTING ASSISTANCE AND WHEN CHARGING THE BATTERY:**

- Only use undamaged jumper cables/charging cables with a sufficient cross-section and insulated terminal clamps.
- Uninsulated parts of the terminal clamps must not come into contact with other metal parts as long as the jumper cables/charging cables are connected to the battery/the jump-start connection point.
- The jumper cables/charging cables must not touch any parts which may move when the engine is running.
- Make sure that neither you nor the battery are electrostatically charged.
- Keep away from fire and naked flames.
- Do not stand over the battery.

**ALSO OBSERVE THE FOLLOWING POINTS WHEN CHARGING THE BATTERY:**

- Only use chargers tested and approved for Mercedes-Benz.
- Read the operating instructions for the charger, then charge the battery.

**ALSO NOTE THE FOLLOWING POINTS DURING STARTING ASSISTANCE:**

- Starting assistance may only be provided using vehicles, batteries or other jump start devices with a nominal voltage of 12-V-.
- The vehicles must not touch each other.
- **Vehicles with a gasoline engine:** jump-start the vehicle only when the engine and exhaust system are cold.

## Starting assistance and charging the 12 V battery

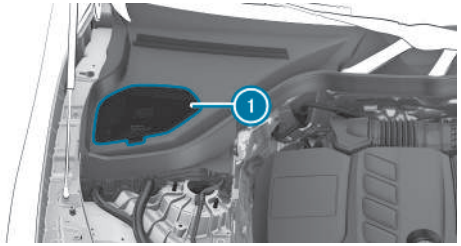
**PREPARING STARTING ASSISTANCE/CHARGING**

► Secure the vehicle by applying the electric parking brake.

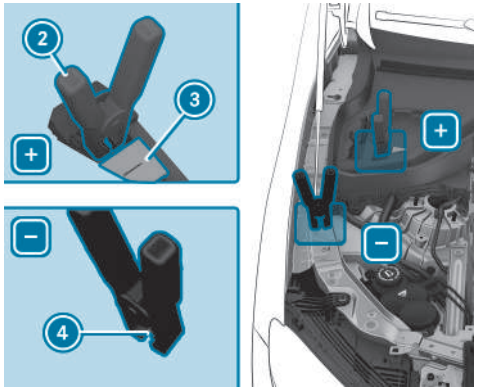
► Shift the transmission to position P.

► Switch off the vehicle and all electrical consumers.

► Open the hood.



- Open cover (1) of the jump-start connection point.







- Open cover (3) of positive contact (2) on the jump-start connection point.

**STARTING ASSISTANCE**

- Connect positive terminal (2) on your vehicle to positive terminal of the donor battery using the jumper cable. Always begin with positive clamp (2) on your own vehicle first.
- Start the engine of the donor vehicle and run it at idling speed.
- Connect the negative terminal of the donor battery to ground point (4) of your vehicle using the jumper cable. Begin with the donor battery first.
- Start the engine of your own vehicle.
- Let the engines run for several minutes.
- Before disconnecting the jumper cables, switch on an electrical consumer in your own vehicle, e.g. the rear window defroster or the lighting.

When the starting assistance procedure is complete:

- Remove the jumper cables from ground point (4) first and the negative terminal of the donor battery, then from positive contact (2) and the positive terminal of the donor battery. Begin each time with the contacts on your own vehicle first.
- Close cover (3) of positive terminal (2) after removing the jumper cables.
- Close cover (1).

If your vehicle has been started with starting assistance, it may not be possible to use the electric drive for approximately 30 minutes.

Further information can be obtained at a qualified specialist workshop.

**CHARGING**

- Connect positive contact (2) on the vehicle to the positive terminal of the charger using the charging cable. Always begin with positive contact (2) on the vehicle.
- Connect the negative terminal of the charger and ground point (4) on the vehicle with the charging cable. Start with the charger.
- Start the charging process.

When the charging process is complete:

- Remove the charging cable from ground point (4) first and the negative terminal of the charger, then from positive contact (2) and the positive terminal of the charger. Begin each time with the contacts on the vehicle.
- After removing the charging cable, close cover (3) of positive contact (2).
- Close cover (1).

Further information can be obtained at a qualified specialist workshop.

## Replacing the 12 V battery

► Observe the notes on the 12 V battery (⟶ page 692).

Mercedes-Benz recommends having the 12 V battery replaced at a qualified specialist workshop, e.g. at an authorized Mercedes-Benz Center.

**IF YOU WANT TO REPLACE THE BATTERY YOURSELF, OBSERVE THE FOLLOWING NOTES:**

- Replace a faulty battery with a battery which meets the specific vehicle requirements.

  The vehicle is equipped with a battery with AGM technology (Absorbent Glass Mat) or a lithium-ion battery. Full vehicle functionality is only guaranteed with an AGM battery or lithium-ion battery. For safety reasons, Mercedes-Benz recommends only using batteries that have been tested and approved for the vehicle by Mercedes-Benz.
- Use the detachable parts such as vent hose, elbow fitting or terminal covers from the battery to be replaced.
- Make sure that the vent hose is always connected to the original opening on the side of the battery.

  Install any existing or supplied stop plugs.

  Otherwise, gases or battery acid could escape.
- Make sure that detachable parts are reconnected in the same way.

# Tow starting or towing away

## Permitted towing methods (not plug-in hybrid)

**NOTE**
Damage from automatic braking

**THE VEHICLE WILL BRAKE AUTONOMOUSLY IN CERTAIN SITUATIONS IF THE FOLLOWING FUNCTIONS ARE SWITCHED ON:**

- Active Brake Assist
- Active Distance Assist DISTRONIC
- HOLD function
- Active Parking Assist

To avoid damage to the vehicle, switch these systems off e.g. before towing it or in a car wash.

Mercedes-Benz recommends transporting your vehicle in the case of a breakdown, rather than towing it.

For towing with both axles on the ground, use a tow rope or towing pole. Do not use tow bar systems.

**NOTE**
Damage to the vehicle due to towing away incorrectly

► Observe the instructions and notes on towing away.

### VEHICLES WITH REAR WHEEL DRIVE

| Permitted towing methods | |
|---|---|
| Both axles on the ground | Yes, for a maximum of 31 miles (50 km) at 31 mph (50 km/h) |
| Front axle raised | No |
| Rear axle raised | Yes, if the steering wheel is fixed in the center position with a steering wheel lock |

### 4MATIC VEHICLES

| Permitted towing methods | |
|---|---|
| Both axles on the ground | Yes, for a maximum of 31 miles (50 km) at 31 mph (50 km/h) |
| Front axle raised | No |
| Rear axle raised | No |

**Towing with a raised axle:** towing should be performed by a towing company.

# Permitted towing methods (plug-in hybrid)

Mercedes-Benz recommends transporting your vehicle in case of a breakdown, rather than towing it.

For towing with both axles on the ground, use a tow rope or tow bar. Do not use tow bar systems.

**NOTE**
Damage to the vehicle due to towing away incorrectly

- ► Observe the instructions and notes on towing away.

**IN THE FOLLOWING SITUATIONS, ONLY TRANSPORTING THE VEHICLE IS PERMITTED:**

- The driver display is not working.
- The driver display shows the Towing Not Permitted See Operator's Manual display message.

  **Exception:** if the vehicle is located in a danger zone, it can be recovered from the danger zone despite the Towing Not Permitted See Operator's Manual display message or the display not working. It must not be towed further than 109 yd (100 m) with both axles on the ground. A towing speed of 6 mph (10 km/h) must not be exceeded. Beyond these limits, only transporting is permitted.

**VEHICLES WITH REAR WHEEL DRIVE**

| Permitted towing methods | |
|---|---|
| Both axles on the ground | Yes, for a maximum of 31 miles (50 km) at 31 mph (50 km/h), only forwards with the driver in the vehicle |
| Front axle raised | No |
| Rear axle raised | Yes, if the steering wheel is fixed in the center position with a steering wheel lock |

**4MATIC VEHICLES**

| Permitted towing methods | |
|---|---|
| Both axles on the ground | Yes, for a maximum of 31 miles (50 km) at 31 mph (50 km/h), only forwards with the driver in the vehicle |
| Front axle raised | No |
| Rear axle raised | No |

# Towing the vehicle with both axles on the ground

- ► Observe the notes on permitted towing methods (⟶ page 700).
- ► Plug-in hybrid: observe the notes on permitted towing methods (⟶ page 701).
- ► Ensure that the battery is connected and charged.

**OBSERVE THE FOLLOWING POINTS WHEN THE BATTERY IS DISCHARGED:**

- The vehicle cannot be started.

- The electric parking brake cannot be released or applied.
- **Vehicles with automatic transmission:** The transmission cannot be shifted to position N or P.

**Vehicles with automatic transmission:** If the transmission cannot be shifted to position N or if the display does not show anything, transport the vehicle (⟶ page 704, 706). A tow truck with lifting equipment is required for vehicle transport.

**NOTE**
Damage due to towing away at excessively high speeds or over long distances

The drivetrain could be damaged when towing at excessively high speeds or over long distances.

- ► A towing speed of 30 mph (50 km/h) must not be exceeded.
- ► A towing distance of 30 miles (50 km) must not be exceeded.

**WARNING**
Risk of accident when towing a vehicle with too much weight

**IF THE VEHICLE TO BE TOWED IS HEAVIER THAN THE PERMISSIBLE GROSS MASS OF YOUR VEHICLE, THE FOLLOWING SITUATIONS CAN ARISE:**

- The towing eye breaks off.
- The combination oscillates and can capsize.

► Before towing, check whether the vehicle to be towed exceeds the permissible gross mass.

If a vehicle is to be towed away, its permissible gross mass must not exceed the permissible gross mass of the towing vehicle.

- ► Information on the permissible gross mass of the vehicle can be found on the vehicle identification plate (⟶ page 819).
- ► Fit the towing eye (⟶ page 707).
- ► Fasten the towing device.

**NOTE**
Damage due to incorrect connection of the tow bar

► Only connect the tow rope or tow bar to the towing eyes.

- ► Deactivate the automatic locking mechanism (⟶ page 194).
- ► Do not activate the HOLD function (⟶ page 400).

- Deactivate tow-away protection (→ page 217).
- Deactivate Active Brake Assist (→ page 429).
- **Vehicles with automatic transmission:** Shift the transmission to position N.
- **Vehicles with automatic transmission:** Do not open the driver's door or front passenger door; otherwise the transmission automatically shifts to position P.
- Release the electric parking brake.

**WARNING**
Risk of accidents due to restricted safety-related functions during towing

**SAFETY-RELEVANT FUNCTIONS WILL BE RESTRICTED OR NO LONGER AVAILABLE IN THE FOLLOWING SITUATIONS:**

- The vehicle is switched off.
- The brake system or the power steering is malfunctioning.
- The power supply or the on-board electrical system is defective.

If your vehicle is being towed, considerably more force may be required for steering and braking.

In addition, important vehicle display messages will not be visible if the driver display is faulty.

- Use a tow bar.
- Before towing, ensure that the driver's display is operational and the steering can move freely.

**NOTE**
Damage due to excessive tractive power

If you pull away sharply, the tractive power may be too high and the vehicles could be damaged.

- Pull away slowly and smoothly.

# Loading vehicle for transportation (vehicles with AIRMATIC)

**Requirements:**

- The vehicle is stationary.
- The vehicle is switched off.
- The driver display is in the initial state without any opened menus (⟶ page 468). Transport is also possible when a warning message is visible.
- The 12 V battery is charged.

**Plug-in hybrid:** transportation of vehicles should be carried out only by professional recovery companies.

► Select Vehicle Transport.

ⓘ Noise certification mode is intended exclusively for the technical testing organization. This restricts the drive output of the vehicle and must not be used in customer operation.

► If required, set the system language (⟶ page 542).

► Observe the notes on towing away (⟶ page 68).

► Connect the towing device to the towing eye in order to load up the vehicle.

► Switch on the power supply (⟶ page 309).

► Shift the transmission to position N.

ⓘ The transmission may be locked in position P in the event of damage to the electrics. To shift to N, provide the on-board electrical system with power (⟶ page 64).

**NOTE**
Possible vehicle damage when loading or unloading

The vehicle must be raised to transport level when loading or unloading.

If the transport settings are not shown or the display message Vehicle Not Ready for Loading appears, the vehicle must not be loaded or unloaded.

► If necessary, raise the vehicle to transport level again.

► Do not use a ramp to load or unload a vehicle that cannot be raised to transport level. Contact a qualified specialist workshop.



**WARNING**
Risk of accident due to activated transport level

If the vehicle is raised to transport level, driving and driving safety systems have only limited availability and the view from the vehicle is restricted.

Driving safety is severely restricted and there is a risk of an accident!

- ► Do not use transport level in normal road operation.
- ► Only activate and use transport level to load the vehicle and when not on public roads.
- ► Ensure that no persons or obstacles are located in the area surrounding the vehicle.

## RAISING VEHICLE TO TRANSPORT LEVEL

- ► Press and hold button [↩] for at least five seconds.
- ► Immediately press and hold button [OK] for at least one second.
  The For Transport Level Switch On Vehicle display message is shown.
- ► Switch on the vehicle (→ page 310).
  The transport settings are displayed.
- ► With a downward swiping gesture, select Transport Level and press [OK].
  The vehicle is raised, and the display message Vehicle raising... Do not drive onto ramp yet is shown for five seconds. The raising process can take up to 60 seconds and can be interrupted with the [↩] button.
- ► Do not switch the vehicle off while it is being raised.

While the vehicle is being raised, you can maneuver at a maximum speed of 25 mph (40 km/h).




- ► For loading, wait until the transport level has been reached and the status Transport Level is displayed.

ⓘ When the vehicle is raised to transport level, the transport settings are also still displayed after a restart. Operation of the driver display is restricted.

## IF THE VEHICLE IS AT TRANSPORT LEVEL, IT IS LOWERED AGAIN IN THE FOLLOWING SITUATIONS:

- When driving faster than 25 mph (40 km/h).
- The 12 V battery is discharged.

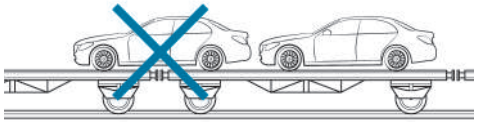
The vehicle is adjusted to the height of the last active level.

## TRANSPORTING THE VEHICLE

- ► Load the vehicle correctly onto the transporter.
  - Ensure that all wheels are on the transportation surface.
  - Ensure that the vehicle is positioned parallel with the direction of travel.

- Put the selector lever into position P.
- Use the electric parking brake to secure the vehicle against rolling away.
- Stop the vehicle, and switch off the power supply.
- Secure the vehicle only by the wheels.

**4MATIC VEHICLES**



- Make sure that the front and rear axles come to rest on the same transport vehicle.

> **NOTE**
> Damage to the drive train due to incorrect positioning of the vehicle
> - Do not position the vehicle above the connection point of the transport vehicle.

**UNLOADING VEHICLE**

- Make sure that the vehicle is raised to transport level before unloading.

**LOWERING VEHICLE AFTER UNLOADING**

- Switch on the power supply.
- Start the vehicle.
- In the transportation settings, select Standard Level with an upward swiping gesture and press OK.
  The vehicle is adjusted to the height of the last active level, and the display message Lowering Vehicle... is shown.
- After the vehicle has lowered, press the ↩ button for at least two seconds.
  The transport settings are closed.

## Load vehicle for transportation (vehicles without AIRMATIC)

**Plug-in hybrid:** transportation of vehicles should only be carried out by professional recovery companies.

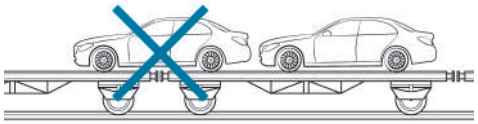
- Observe the notes on towing away.
- Connect the towing device to the towing eye in order to load up the vehicle.
- Shift the automatic transmission to position N.

> ⓘ The automatic transmission may be locked in position P in the event of an electrical fault. To shift to N, supply power to the on-board electrical system (⟶ page 64).

- Load the vehicle correctly onto the transporter.
  - Ensure that all wheels are on the transportation surface.
  - Ensure that the vehicle is positioned parallel to the direction of travel.

- Put the selector lever into position P.
- Use the electric parking brake to secure the vehicle against rolling backwards or forwards.
- Stop the vehicle and switch off the power supply.
- Only secure the vehicle by the wheels.

**4MATIC VEHICLES/VEHICLES WITH AUTOMATIC TRANSMISSION**



- Ensure that the front and rear axles come to rest on the same transport vehicle.

**NOTE**
Damage to the drive train due to incorrect positioning of the vehicle

- Do not position the vehicle above the connection point of the transport vehicle.

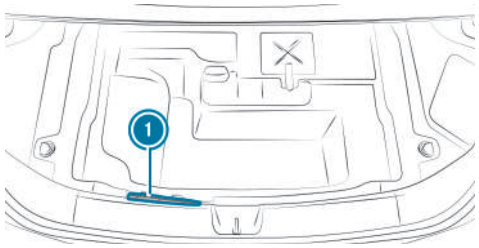
## Towing eye stowage location

**PLUG-IN HYBRID**




The towing eye (1) is located in the trunk on the left under a cover in the recess of the side wall trim.

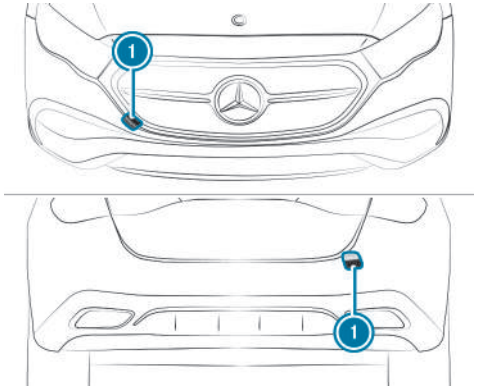
**Not plug-in hybrid**




The towing eye (1) is located under the trunk floor in the loading sill.

Depending on the respective vehicle version, the towing eye is located in a different position in the trunk.

## Installing and removing the towing eye




- Press the cover (1) inwards at the marking and remove.
- Screw in the towing eye in a clockwise direction as far as it will go and tighten.
- After removing the towing eye, reattach the cover (1) in the bumper.

**NOTE**
Damage to the vehicle as a result of incorrect use of the towing eye or trailer hitch

The vehicle could sustain damage if the towing eye or trailer hitch is used to haul the vehicle out of a ditch during recovery situations.

- The towing eye and trailer hitch should only be used to tow the vehicle.
- Do not use the towing eye or trailer hitch to haul the vehicle out of a ditch during recovery situations.

# Tow-starting the vehicle

**VEHICLES WITH AUTOMATIC TRANSMISSION**

- Observe the following note on material damage:

**NOTE**
Damage to the automatic transmission due to tow starting

The automatic transmission may be damaged in the process of tow starting vehicles with automatic transmission.

- Vehicles with automatic transmission must not be tow started.

# Electrical fuses

## Notes on electrical fuses

**WARNING**
Risk of accident and injury due to overloaded lines

If you manipulate or bridge a faulty fuse or if you replace it with a fuse with a higher amperage, the electric line could be overloaded.

This could result in a fire.

- Always replace faulty fuses with specified new fuses containing the correct amperage.

**NOTE**
Damage due to incorrect fuses

Using incorrect fuses can result in damage to electrical components or systems or their functions being considerably restricted.

- Use only fuses approved for Mercedes-Benz with the respective specified fuse rating.

Replace blown fuses with equivalent fuses, identifiable by their color and label. The fuse ratings and further information to be observed can be found in the fuse assignment diagram.

**Fuse assignment diagram:** on the fuse box in the trunk (⟶ page 712).

**NOTE**
Damage or malfunctions caused by moisture

Moisture may cause damage to the electrical system or cause it to malfunction.

- When the fuse box is open, make sure that no moisture can enter the fuse box.
- When closing the fuse box, make sure that the seal of the lid is positioned correctly on the fuse box.

If the newly inserted fuse also blows, have the cause determined and rectified at a qualified specialist workshop.

**ENSURE THE FOLLOWING BEFORE REPLACING A FUSE:**

- The vehicle is secured against rolling away.
- All electrical consumers are switched off.
- The vehicle is switched off.

**THE ELECTRICAL FUSES ARE LOCATED IN VARIOUS FUSE BOXES:**

- Fuse box in the engine compartment on the driver's side (⟶ page 710)
- Fuse box on the driver's side of the cockpit (⟶ page 711)
- Fuse box in the front passenger footwell (⟶ page 711)
- Fuse box in the trunk (⟶ page 712)

# Opening and closing the fuse box in the engine compartment

**Requirements:**

- A dry cloth and a screwdriver are available.

Observe the notes on electrical fuses (⟶ page 65).

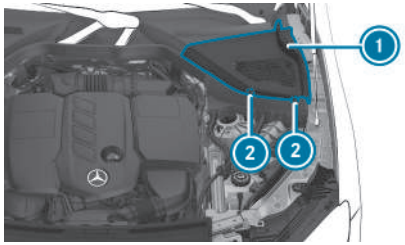
**OPENING**

**WARNING**
Risk of injury from using the windshield wipers when the hood is open

If the windshield wipers start moving when the hood is open, you could be trapped by the wiper linkage.

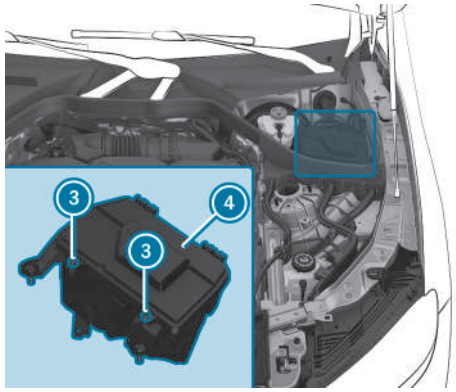
► Always switch off the windshield wipers and the vehicle first if you need to open the hood.

► Open the hood (⟶ page 663).




► Turn both fastening clips (2) on cover (1) on the driver's side a quarter-turn clockwise.

► Fold cover (1) upwards.

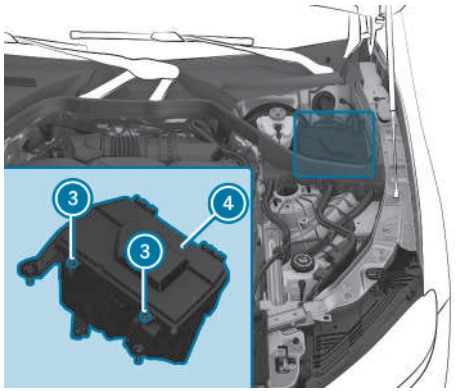



► Remove any existing moisture from the fuse box using a dry cloth.

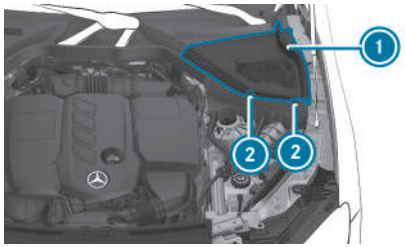
► Loosen screws (3) and remove fuse box lid (4) from the top.

**CLOSING**

► Check whether the seal is positioned correctly in lid (4).




- Insert lid (4) into the bracket at the rear of the fuse box.
- Fold down lid (4) of the fuse box and tighten screws (3).

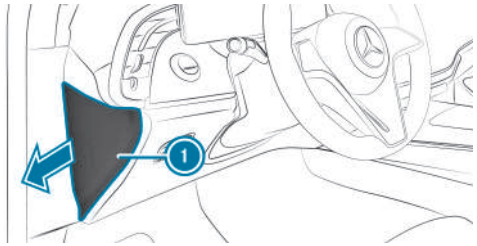



- Fold down cover (1).
- Turn both fastening clips (2) on cover (1) a quarter-turn counter-clockwise.
- Close the hood.

## Opening and closing the fuse housing in the cockpit

**Requirements:**

- Observe the notes on electrical fuses (⟶ page 65).




The fuse housing is on the driver's side on the side of the cockpit under a cover.

- **To open:** open cover (1) in the direction of the arrow and remove it.
- **To close:** reinsert cover (1).

Mercedes-Benz recommends you have the fuse housing opened at an authorized Mercedes-Benz Center.

## Opening and closing the fuse box in the front passenger footwell

**Requirements**

Observe the notes on electrical fuses (⟶ page 65).

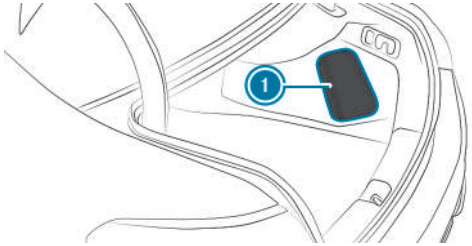


- **To open:** fold out and remove cover (1).
- **To close:** reinsert cover (1).

## Opening and closing the fuse box in the boot

**Requirements**

Observe the notes on electrical fuses (⟶ page 65).



- **To open:** fold out and remove cover (1).
- **To close:** reinsert cover (1).

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# Wheels and tires

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
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Notes on snow chains
Activating or deactivating snow chain mode
Tire pressure
Loading the vehicle
Tire labeling
Definitions for tires and loading
Changing a wheel
Emergency spare wheel

# Notes on noise or unusual handling characteristics

Make sure there are no vibrations, noises or unusual handling characteristics when the vehicle is in motion. This may indicate that the wheels or tires are damaged. Hidden tire damage could also be causing the unusual handling characteristics.

If you suspect that a tire is defective, reduce your speed immediately and have the tires and wheels checked at a qualified specialist workshop.

# Notes on regularly inspecting wheels and tires

**WARNING**
Risk of injury through damaged tires

Damaged tires can cause tire pressure loss.

- ► Check the tires regularly for signs of damage and replace any damaged tires immediately.

**WARNING**
Risk of hydroplaning due to insufficient tire tread

Insufficient tire tread will result in reduced tire grip. There is a risk of an accident.

On a wet road surface the risk of hydroplaning is increased, in particular where speed is not adapted to suit the conditions.

- ► Check the tread depth and the condition of the tire contact surface across the entire width of all tires on a regular basis.

**MINIMUM TREAD DEPTH FOR**

- summer tires: ⅛in (3 mm)
- M+S tires: 1/6in (4 mm)

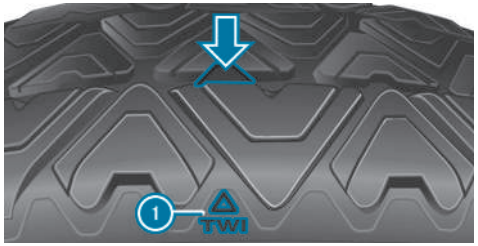
- ► For safety reasons, replace the tires before the legally-prescribed limit for the minimum tread depth is reached.
- ► Replace the tires immediately if the legally-prescribed limit for the minimum tread depth is reached.

**CARRY OUT THE FOLLOWING CHECKS ON ALL WHEELS REGULARLY, AT LEAST ONCE A MONTH OR AS REQUIRED, FOR EXAMPLE, PRIOR TO A LONG JOURNEY OR DRIVING OFF-ROAD:**

- Check the tire pressure (⟶ page 719).

- Visually inspect wheels and tires for damage.
- Check the valve caps.
- Visual check of the tire tread depth and the tire contact surface across the entire width.

  The minimum tread depth for summer tires is ⅛ in (3 mm) and for winter tires ⅙ in (4 mm).




Six marks (1) show where the bar indicators (arrow) are integrated into the tire tread. They are visible once a tire tread depth of approximately 1/16 in (1.6 mm) has been reached.

# Notes on snow chains

**WARNING**
Risk of accident due to incorrectly installed snow chains

If you have installed snow chains on the front wheels, they may drag against the vehicle body or chassis components.

- ► Never install snow chains on the front wheels.
- ► Only install snow chains on the rear wheels in pairs.

**NOTE**
Damage to body or suspension parts caused by installed snow chains

Installing snow chains on the front wheels of 4MATIC models can damage body or suspension parts.

- ► Only install snow chains on the rear wheels of 4MATIC models.

**NOTE**
Damage to wheel trims caused by installed snow chains

Installing snow chains on aluminum wheels can damage the wheel trims.

- ► Remove the wheel trims from the aluminum wheels before installing snow chains.

**OBSERVE THE FOLLOWING NOTES WHEN USING SNOW CHAINS:**

- Snow chains are only permissible for certain wheel/tire combinations. You can obtain information about this from an authorized Mercedes-Benz Service Center.
- For safety reasons, only use snow chains that have been specifically approved for your vehicle by Mercedes-Benz, or snow chains of the same quality standard.
- Comply with the installation instructions of the snow chain manufacturer.
- If snow chains are installed, the maximum permissible speed is 30 mph (50 km/h).
- **Vehicles with Active Parking Assist:** do not use Active Parking Assist when snow chains are installed.

You can deactivate ESP® to start off (⟶ page 397). This allows the wheels to spin, achieving increased tractive power.

# Activating or deactivating snow chain mode

Multimedia system:



► Activate or deactivate Snow Chain Mode.

When the function is active, the vehicle adjusts to snow chains having been mounted.

Additionally, components of the driving and driving safety systems are not available when snow chain mode is active.

# Tire pressure

## Notes on tire pressure

**WARNING**
Risk of an accident due to tire pressure that is too low or too high

**TIRES WITH PRESSURE THAT IS TOO HIGH OR TOO LOW POSE THE FOLLOWING DANGERS:**

- The tires can burst.
- The tires can wear excessively and/or unevenly.
- The driving characteristics as well as the steering- and braking may be greatly impaired.

► Observe the recommended tire pressure and check the tire pressure of all tires including the spare wheel:

- monthly
- when the load changes
- before leaving on a longer journey
- when the operating conditions change, e.g. off-road driving
- when driving at over 155 mph (250 km/h)

► Adjust the tire pressure if necessary.

**HIGH OR LOW TIRE PRESSURE CAN:**

- Shorten the service life of the tires.
- Cause increased tire damage.
- Adversely affect driving characteristics and thus driving safety, e.g. due to hydroplaning.

**WARNING**
Risk of accident due to too low a tire pressure

Tires with pressure that is too low can overheat and burst as a consequence.

In addition, they also suffer from irregular wear, which can significantly impair the braking properties and the handling characteristics.

► Avoid excessively low tire pressure.

**LOW TIRE PRESSURE CAN CAUSE:**

- Tire defects as a result of overheating
- Impaired handling characteristics
- Irregular wear
- Increased fuel consumption

**WARNING**
Risk of accident due to too high a tire pressure

Tires with excessively high pressure can burst.

In addition, they also suffer from irregular wear, which can significantly impair the braking properties and the handling characteristics.

► Avoid excessively high tire pressures.

**HIGH TIRE PRESSURE CAN CAUSE:**

- Increased braking distance
- Impaired handling characteristics
- Irregular wear
- Impaired driving comfort
- Susceptibility to damage

**WARNING**
Risk of accident due to repeated pressure drop in the tires

The wheels, valves or tires could be damaged.

Too low a tire pressure can lead to the tires bursting.

► Examine the tires for foreign objects.

► Check whether the tire has a puncture or the valve has a leak.

► If you are unable to rectify the damage, contact a qualified specialist workshop.

**YOU CAN FIND INFORMATION ON TIRE PRESSURE FOR THE VEHICLE'S FACTORY-INSTALLED TIRES ON THE FOLLOWING LABELS ON THE B-PILLAR ON THE DRIVER'S SIDE:**

- Tire and Loading Information placard (⟶ page 725).
- Tire pressure table (⟶ page 721).

Observe the maximum tire pressure (⟶ page 732).

Use a suitable pressure gauge to check the tire pressure. The outer appearance of a tire does not permit any reliable conclusion about the tire pressure.

**ONLY CORRECT TIRE PRESSURE WHEN THE TIRES ARE COLD. CONDITIONS FOR COLD TIRES:**

- The vehicle has been parked with the tires out of direct sunlight for at least three hours.
- The vehicle has traveled less than 1 mile (1.6 km).

The vehicle's tires heat up when driving. As the temperature of the tires increases, so too does the tire pressure.

The tire pressure recommended for increased load/speed in the tire pressure table can affect the ride comfort.

**WARNING**
Risk of accident due to unsuitable accessories on tire valves

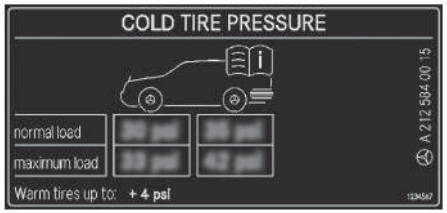
If you mount unsuitable accessories onto tire valves, the tire valves may be overloaded and malfunction, which can cause tire pressure loss.

- Only screw standard valve caps or valve caps specifically approved by Mercedes-Benz for your vehicle onto the tire valve.

## Tire pressure table

The tire pressure table is on the B-pillar on the driver's side.

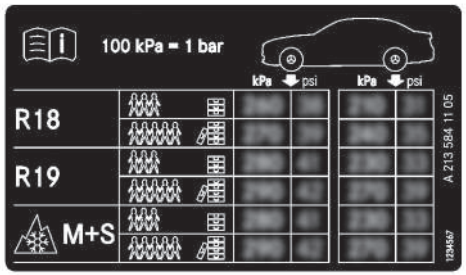
The data shown in the illustrations are sample data.




The tire pressure table shows the recommended tire pressure for all tires approved for this vehicle. The recommended tire pressures apply for cold tires under various operating conditions, i.e. load and/or speed of the vehicle.

If one or more tire sizes precede a tire pressure, the tire pressure shown is only valid for those tire sizes.

The load conditions "partially laden" and "fully laden" are defined in the table for different numbers of passengers and amounts of luggage. The actual number of seats may differ from this.




Some tire pressure tables only show the rim diameter instead of the complete tire size, e.g. **R18**. The rim diameter is part of the tire size and can be found on the tire side wall (⟶ page 732).

**BE SURE TO ALSO OBSERVE THE FOLLOWING FURTHER RELATED TOPICS:**

- Notes on tire pressure (⟶ page 719)
- Tire and load information table (⟶ page 725)
- Maximum tire pressure (⟶ page 732)

## Checking the tire pressure manually

- Read the tire pressure recommended for the current operating conditions from the tire and loading information placard or the tire pressure table. Observe the notes on tire pressure.
- Remove the valve cap of the tire to be checked.

- Press the tire pressure gauge securely onto the valve.
- Read the tire pressure.
- If the tire pressure is lower than the recommended value, increase the tire pressure to the recommended value.
- If the tire pressure is higher than the recommended value, release air. To do so, press down the metal pin in the valve, e.g. using the tip of a pen. Then check the tire pressure again using the tire pressure gauge.
- Screw the valve cap onto the valve.

# Tire pressure monitoring system

## FUNCTION OF THE TIRE PRESSURE MONITORING SYSTEM

**DANGER**
Risk of accident due to incorrect tire pressure

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label. (If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label, you should determine the proper tire inflation pressure for those tires.)

As an added safety feature, your vehicle has been equipped with a tire pressure monitoring system (TPMS) that illuminates a low tire pressure telltale when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure telltale illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability. Please note that the TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale.

Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when the system is not operating properly. The TPMS malfunction indicator is combined with the low tire pressure telltale. When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists.

When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended. TPMS malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS from functioning properly.

►

The system checks the tire pressure and the temperature of the tires installed on the vehicle by means of a tire pressure sensor.

The tire pressure and the tire temperature are displayed on the driver display.

In the event of significant pressure loss or excessive temperature of the tires, you will be warned by display messages (⟶ page 903) or the (!) warning lamp on the driver display (⟶ page 928).

The tire pressure monitoring system serves solely as an aid. It is the driver's responsibility to set the tire pressure to the recommended cold tire pressure suitable for the operating situation.

In most cases, the tire pressure monitoring system will automatically update the new reference values after you have changed the tire pressure. You can, however, also update the reference values by restarting the tire pressure monitoring system manually (⟶ page 724).

**SYSTEM LIMITS**

**THE SYSTEM MAY BE IMPAIRED OR INOPERATIVE IN THE FOLLOWING SITUATIONS IN PARTICULAR:**

- Incorrect reference values were taught in.
- Sudden pressure loss caused, e.g. by a foreign object penetrating the tire.
- There is a malfunction caused by another radio signal source.

**CHECKING THE TIRE PRESSURE WITH THE TIRE PRESSURE MONITORING SYSTEM**

**Requirements:**

- The vehicle is switched on.

Driver display:

⟶ Service

► Press OK to confirm.

**ONE OF THE FOLLOWING MESSAGES APPEARS:**

- Current tire pressure of each wheel:




- Tire pressure displayed after driving for a few minutes.: Current values are not yet known to the system. The pressure/temperature values of each tire are displayed as soon as they are known to the system.
- Tire Pressure Monitor Active: the teach-in process of the system is not yet complete. The tire pressures are already being monitored.

► Compare the current tire pressure with the recommended tire pressure for the current operating status (⟶ page 721). Additionally, observe the notes on cold tires (⟶ page 719).

The values displayed on the driver display may deviate from those of the tire pressure gage as they relate to sea level. At high elevations, the tire pressure value indicated by a pressure gage are higher than those shown on the driver display.

**RESTARTING THE TIRE PRESSURE MONITORING SYSTEM**

**Requirements:**

- The recommended tire pressure is correctly set for the respective operating condition on each of the four wheels (⟶ page 719).

**RESTART THE TIRE PRESSURE MONITORING SYSTEM IN THE FOLLOWING SITUATIONS:**

- The tire pressure has changed.
- The wheels or tires have been changed or newly installed.

Driver display:

Service

▶ Show tire pressure: press OK.

▶ Show options: press OK again.

▶ Select Tire Pressure and confirm with OK.

The driver display shows the message Use current pressures as new reference values?.

▶ Select Yes and confirm the restart with OK.

The driver display shows the message Tire Pressure Monitor Restarted.

Current warning messages are deleted and the yellow warning lamp goes out.

After you have driven for a few minutes, the system checks whether the current tire pressures are within the specified range. The current tire pressures are then accepted as reference values and monitored.

If the tire pressure values are not within the prescribed range, the message Please Correct Tire Pressure appears.

# Loading the vehicle

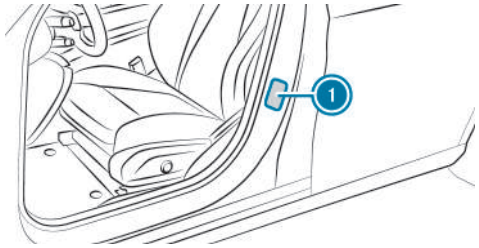
## Notes on the Tire and Loading Information placard

**WARNING**
Risk of accident from overloaded tires

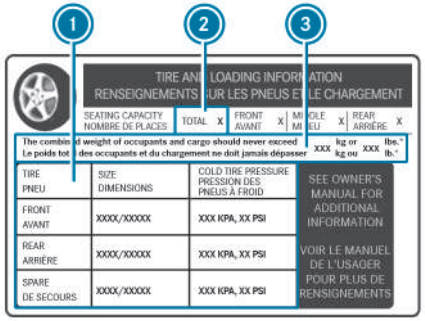
Overloaded tires may overheat and burst as a consequence. Overloaded tires can also impair the steering and handling characteristics and lead to brake failure.

- Observe the load rating of the tires.
- The load rating must be at least half the permissible axle load of the vehicle.
- Never overload the tires by exceeding the maximum load.

The Tire and Loading Information placard is on the B-pillar on the driver's side of the vehicle.




1 Tire and Loading Information placard




The data shown in the illustration are sample data.

**THE TIRE AND LOADING INFORMATION PLACARD SHOWS THE FOLLOWING INFORMATION:**

- Maximum number of seats (2) according to the maximum number of people permitted to travel in the vehicle.
- Maximum permissible load (3) comprises the gross weight of all vehicle occupants, luggage and additional load.
- Recommended tire pressure (1) for cold tires. The recommended tire pressures are valid for the maximum permissible load and up to the maximum permissible vehicle speed.

**PLEASE ALSO NOTE:**

- Information on permissible weights and loads on the vehicle identification plate (⟶ page 819).
- Information on the tire pressure in the tire pressure table (⟶ page 721).

## Steps for determining the correct load limit

The following steps were developed according to the regulations of Title 49, Code of U.S. Federal Regulations, Part 575, which are binding on all manufacturers, and the National Traffic and Motor Vehicle Safety Act of 1966.

► (1): Locate the statement “The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs.” on your vehicle's placard.

► (2): Determine the combined weight of the driver and passengers that will be riding in your vehicle.

► (3): Subtract the combined weight of the driver and passengers from XXX kg or XXX lbs.

► **(4):** The resulting figure equals the available amount of cargo and luggage load capacity. For example, if the "XXX" amount equals 1400 lbs. and there will be five 150 lb passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs. (1400 - 750 (5 x 150) = 650 lbs.)

► (5): Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.

► (6): If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Consult this manual to determine how this reduces the available cargo and luggage load capacity of your vehicle.

ⓘ Not all vehicles are permitted to tow a trailer. Towing a trailer is only permitted if a trailer-hitch is installed. Please consult an authorized Mercedes-Benz dealer if you have any questions about towing a tralier with your vehicle.

Even if you have calculated the total load carefully, you should still make sure that the maximum permissible gross weight and the maximum gross axle weight rating of your vehicle are not exceeded. Details can be found on the vehicle identification plate.

► Have your loaded vehicle – including driver, occupants and load – weighed on a vehicle weighbridge.

The measured values may not exceed the maximum permissible values stated on the vehicle identification plate.

# Calculation example for determining the maximum payload

The following table shows examples of how to calculate total load capacities and payloads with varying seating configurations and different occupant numbers and weights. The following examples use a maximum payload of 1500 lbs (680 kg). **This is for illustration purposes only.** Make sure you are using the actual maximum payload for your vehicle as stated in the Tire and Loading Information table of your vehicle (⟶ page 725).

The higher the weight of all the occupants, the lower the maximum luggage load.

**STEP 1**

| | Example 1 | Example 2 |
|---|---|---|
| Combined maximum weight of occupants and payload (data from the Tire and Loading Information table) | 1500 lbs (680 kg) | 1500 lbs (680 kg) |

**STEP 2**

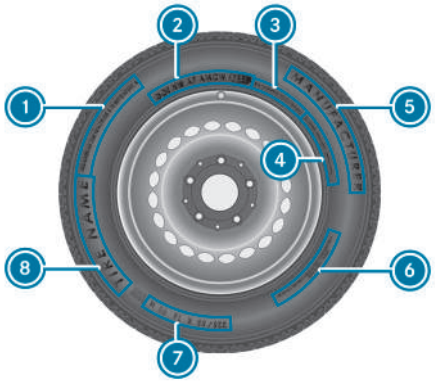
| | Example 1 | Example 2 |
|---|---|---|
| Number of persons in the vehicle (driver and passengers) | 5 | 1 |
| Distribution of vehicle occupants | Front: 2<br>Rear: 3 | Front: 1 |
| Weight of vehicle occupants | Occupant 1: 150 lbs (68 kg)<br>Occupant 2: 180 lbs (82 kg)<br>Occupant 3: 160 lbs (73 kg)<br>Occupant 4: 140 lbs (63 kg)<br>Occupant 5: 120 lbs (54 kg) | Occupant 1: 200 lbs (91 kg) |
| Total weight of all vehicle occupants | 750 lbs (340 kg) | 200 lbs (91 kg) |

**STEP 3**

| | Example 1 | Example 2 |
|---|---|---|
| Permissible payload (maximum permissible gross vehicle weight from the Tire and Loading Information table minus the total weight of all occupants) | 1500 lbs (680 kg) - 750 lbs (340 kg) = 750 lbs (340 kg) | 1500 lbs (680 kg) - 200 lbs (91 kg) = 1300 lbs (589 kg) |

# Tire labeling

## Overview of tire labeling

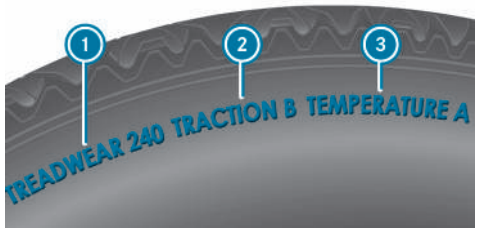


1. Uniform Tire Quality Grading Standards
2. DOT (Department of Transportation), (TIN) Tire Identification Number
3. Maximum tire load (⟶ page 731)
4. Maximum tire pressure (⟶ page 732)
5. Manufacturer
6. Tire characteristics (⟶ page 732)
7. Tire size designation, load-bearing capacity, speed rating and load index (⟶ page 732)
8. Tire name

ⓘ The data shown in the illustration is example data.

## Tire quality grading

In accordance with the US Department of Transportation's "Uniform Tire Quality Grading Standards," tire manufacturers are required to grade their tires on the basis of the following three performance factors:




1. Tread wear grade
2. Traction grade
3. Temperature grade

ⓘ The data shown in the illustration is example data.

ⓘ The classification is not legally stipulated for Canada, but it is generally stated.

**TREAD WEAR GRADE**
The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test

course. For example, a tire graded 150 would wear one and one-half (1\1/2\) times as well on the government course as a tire graded 100.

The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

**TRACTION GRADE**

**DANGER**
Risk of accident due to inadequate traction

The traction grade assigned to this tire is based on straight-ahead braking traction tests.

- Always adapt your driving style and drive at a speed to suit the prevailing traffic and weather conditions.

**NOTE**
Damage to the drivetrain from wheelspin

- Avoid wheelspin.

The traction grades, from highest to lowest, are AA, A, B, and C. Those grades represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance.

**TEMPERATURE GRADE**

**WARNING**
Risk of accident from tire overheating and tire failure

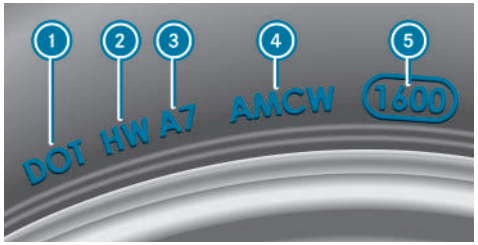
Excessive speed, underinflation, or excessive loading, either separately or in combination, can cause excessive heat build-up and possible tire failure.

- Observe the recommended tire pressure.
- Regularly check the pressure of all the tires.
- Adjust the tire pressure, if necessary.

The temperature grades are A (the highest), B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel. Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure. The grade C corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Safety Standard No. 109. Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law.

## DOT, Tire Identification Number (TIN)

US tire regulations stipulate that every tire manufacturer or retreader must imprint a TIN in or on the side wall of each tire produced.




ⓘ The data in the illustration is shown as an example.

**THE TIN IS A UNIQUE IDENTIFICATION NUMBER TO IDENTIFY TIRES, AND COMPRISES THE FOLLOWING:**

- **DOT (Department of Transportation):** tire marking (1) indicating that the tire complies with the requirements of the US Department of Transportation.
- **Manufacturer identification code:** the manufacturer identification code (2) contains details of the tire manufacturer. New tires have a code with two symbols. Retreaded tires have a code with four symbols. Further information on retreaded tires (→ page 738).
- **Tire size:** the marking (3) states the tire size.
- **Tire type code:** the tire type code (4) can be used by the manufacturer as a code to describe specific characteristics of the tire.
- **Manufacturing date:** the manufacturing date (5) provides information about the age of a tire. The 1st and 2nd digits represent the calendar week and the 3rd and 4th digits state the year of manufacture (e.g. "3208" represents the 32nd week of 2008).

## Information on the maximum tire load

**WARNING**
Risk of accident from overloaded tires

Overloaded tires may overheat and burst as a consequence. Overloaded tires can also impair the steering and handling characteristics and lead to brake failure.

- ► Observe the load rating of the tires.
- ► The load rating must be at least half the permissible axle load of the vehicle.
- ► Never overload the tires by exceeding the maximum load.

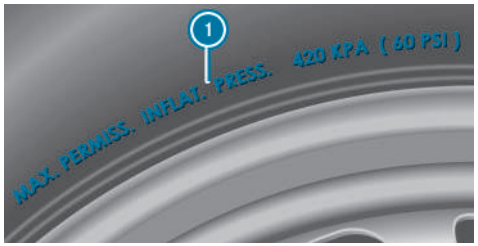



ⓘ The data in the illustration is shown as an example.

Maximum tire load (1) is the maximum permissible weight for which the tire is approved.

Do not overload the tires by exceeding the maximum permissible load limit. The maximum permissible load can be found on the vehicle's Tire and Loading Information table on the B-pillar on the driver's side (→ page 725).

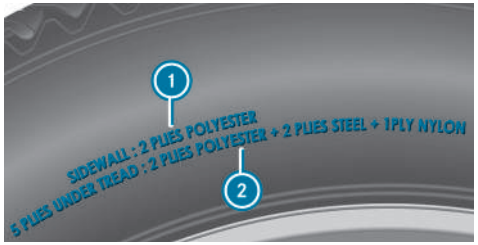
## Information on maximum tire pressure




ⓘ The data in the illustration is shown as an example.

Do not exceed the maximum tire pressure (1) permitted for the tire. Always observe the recommended tire pressure for your vehicle when adjusting the tire pressure (⟶ page 721).

## Information on tire composition




ⓘ The data in the illustration is shown as an example.

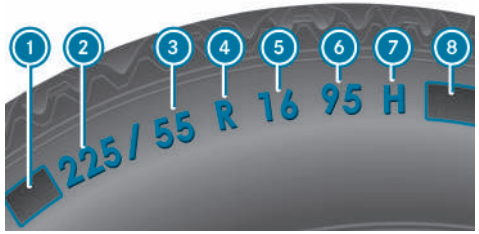
It describes the type of tire cord and the number of layers in the side wall (1) and under the tire tread (2).

## Tire size details, load capacity, speed rating and load index

**WARNING**
Risk of injury through exceeding the specified tire load-bearing capacity or the permissible speed rating

Exceeding the specified tire load rating or the permissible speed rating may lead to tire damage and to the tires bursting.

- ► Therefore, only use tire types and sizes approved for your vehicle model.
- ► Observe the tire load rating and speed rating required for your vehicle.




(1) Preceding letter
(2) Nominal tire width in millimetres
(3) Aspect ratio in %
(4) Tire code
(5) Rim diameter
(6) Load-bearing index
(7) Speed rating
(8) Load index

The data in the illustration is shown as an example.

Information about reading tire data can be obtained from any qualified specialist workshop.

**PRECEDING LETTER (1):**

- None: passenger vehicle tires according to European manufacturing standards.
- "P": passenger vehicle tires according to US manufacturing standards.
- "LT": light truck tires according to US manufacturing standards.
- "T": compact emergency spare wheels with high tire pressure that are only designed for temporary use in an emergency.

**ASPECT RATIO (3):**
Ratio between tire height and tire width in percent (tire height divided by tire width).

**TIRE CODE (4) (TIRE TYPE):**

- "R" radial tire
- "D": bias ply tire
- "B": bias belted tire
- "ZR": radial tire with a maximum permissible speed above 149 mph (240 km/h) (optional)

**RIM DIAMETER (5):**
The diameter of the bead seat (not the diameter of the rim flange). The rim diameter is specified in inches (in).

**LOAD-BEARING INDEX (6):**
Numerical code that specifies the maximum load-bearing capacity of a tire (e.g. "91" corresponds to 1356 lbs (615 kg)).

The load-bearing capacity of the tire must be at least half the gross axle weight rating of your vehicle. Do not overload the tires by exceeding the maximum permissible load limit.

**SEE ALSO:**

- Maximum permissible load on the Tire and Loading Information placard (⟶ page 725)
- Maximum tire load (⟶ page 731)
- Load index

**SPEED RATING (7):**
Specifies the maximum permissible speed of the tire.

An electronic speed limiter prevents your vehicle from exceeding a speed of 130 mph (210 km/h).

Not valid for Mercedes-AMG E 53 Hybrid.

Make sure that your tires have the required speed rating. You can obtain information on the required speed rating from a authorized Mercedes-Benz Center.

**SUMMER TIRES**

| Index | Speed rating |
|---|---|
| Q | up to 100 mph (160 km/h) |
| R | up to 106 mph (170 km/h) |
| S | up to 112 mph (180 km/h) |
| T | up to 118 mph (190 km/h) |

| Index | Speed rating |
|---|---|
| H | up to 130 mph (210 km/h) |
| V | up to 149 mph (240 km/h) |
| W | up to 168 mph (270 km/h) |
| Y | up to 186 mph (300 km/h) |
| ZR...Y [1] | up to 186 mph (300 km/h) |
| ZR...(..Y) [1] | over 186 mph (300 km/h) |
| ZR [1] | over 149 mph (240 km/h) |

- Specifying the speed rating as the "ZR" index in tire code (4) is optional for tires up to 186 mph (300 km/h).
- If your tire code (4) includes "ZR" and there is no speed rating (7), find out the maximum permissible speed from the tire manufacturer.
- If the load-bearing index (6) and speed rating (7) are in brackets, the maximum permissible speed of your tire is above 186 mph (300 km/h). To find out the maximum permissible speed, ask the tire manufacturer.

## ALL-WEATHER TIRES AND WINTER TIRES

| Index | Speed rating |
|---|---|
| Q M+S[2] | up to 100 mph (160 km/h) |
| T M+S[2] | up to 118 mph (190 km/h) |
| H M+S[2] | up to 130 mph (210 km/h) |
| V M+S[2] | up to 149 mph (240 km/h) |
| W M+S[2] | up to 168 mph (270 km/h)<br>Not valid for E 53 AMG Hybrid.[3] |

- winter tires bear the snowflake symbol and fulfil the requirements of the Rubber Manufacturers Association (RMA) and the Rubber Association of Canada (RAC) regarding the tire traction on snow.
- The load capacity of tires with the speed index 'W' is reduced at speeds above 149 mph (240 km/h). For this reason, the Mercedes-AMG E 53 Hybrid, equipped with the winter tires "265/40 R20 104W XL M+S" on the front axle and "295/35 R20 105W XL M+S" on the rear axle, may only be operated up to a maximum speed of 149 mph (240 km/h).

## LOAD INDEX (8):

- No specification given: standard load (SL) tire
- "XL" or "Extra Load": extra load tire or reinforced tire
- "Light Load": light load tire
- "C", "D", "E": a load range that depends on the maximum load the tire can carry at a certain pressure.

1 "ZR" stated in the tire code.

2 Or "M+S " for winter tires.

3 The Mercedes-AMG E 53 Hybrid, equipped with all-weather or winter tires with speed index W, has a maximum speed of up to 240 km/h (149 mph).

# Definitions for tires and loading

**Tire structure and characteristics:** describes the number of layers or the number of rubber-coated belts in the tire contact surface and the tire wall. These are made of steel, nylon, polyester and other materials.

**Bar:** metric unit for tire pressure. 14.5038 pounds per square inch (psi) and 100 kilopascals (kPa) is the equivalent of one bar.

**DOT (Department of Transportation):** DOT-marked tires fulfill the requirements of the US Department of Transportation.

**Average weight of the vehicle occupants:** the number of vehicle occupants for which the vehicle is designed, multiplied by 150 lb (68 kg).

**Uniform tire Quality Grading Standards:** a uniform standard to grade the quality of tires with regard to tread quality, tire traction and temperature characteristics. The quality grading assessment is made by the manufacturer following specifications from the U.S. government. The quality grade of a tire is imprinted on the side wall of the tire.

**Recommended tire pressure:** the recommended tire pressure is the tire pressure specified for the tires mounted to the vehicle at the factory.

The tire and information table contains the recommended tire pressure for cold tires, the maximum permissible load and the maximum permissible vehicle speed.

The tire pressure table contains the recommended tire pressure for cold tires under various operating conditions, i.e. loading and/or speed of the vehicle.

**Increased vehicle weight due to optional equipment:** the combined weight of all standard and optional equipment available for the vehicle, regardless of whether it is actually installed on the vehicle or not.

**Rim:** the part of the wheel on which the tire is installed.

**GAWR (Gross Axle Weight Rating):** the GAWR is the maximum gross axle weight rating. The actual load on an axle must never exceed the gross axle weight rating. The gross axle weight rating can be found on the vehicle identification plate on the B-pillar on the driver's side.

**Speed rating:** the speed rating is part of the tire identification. It specifies the speed range for which a tire is approved.

**GVW (Gross Vehicle Weight):** the gross vehicle weight comprises the weight of the vehicle including fuel, tools, the spare wheel, accessories installed, vehicle occupants, luggage and the trailer drawbar noseweight, if applicable. The gross vehicle weight must not exceed the gross vehicle weight rating GVWR as specified on the vehicle identification plate on the B-pillar on the driver's side.

**GVWR (Gross Vehicle Weight Rating):** the GVWR is the maximum permitted gross weight of the fully laden vehicle (weight of the vehicle including all accessories, vehicle occupants, fuel, luggage and the trailer drawbar noseweight if applicable). The gross vehicle weight rating is specified on the vehicle identification plate on the B-pillar on the driver's side.

**Maximum weight of the laden vehicle:** the maximum weight is the sum of the curb weight of the vehicle, the weight of the accessories, the maximum load and the weight of optional equipment installed at the factory.

**Kilopascal (kPa):** metric unit for tire pressure. 6.9 kPa corresponds to 1 psi. Another unit for tire pressure is bar. 100 kilopascals (kPa) equals 1 bar.

**Load index:** in addition to the load-bearing index, the load index may also be imprinted on the side wall of the tire. This specifies the load-bearing capacity of the tire more precisely.

**Tread:** that portion of a tire that comes into contact with the road.

**Treadwear indicators (TWI):** the projections within the principal grooves designed to give a visual indication of the degrees of wear of the tread.

**Curb weight:** the weight of a vehicle with standard equipment including the maximum capacity of fuel, oil and coolant. It also includes the air conditioning system and optional equipment if these are installed on the vehicle, but does not include passengers or luggage.

**Maximum tire load:** the maximum tire load is the maximum permissible weight in kilograms or lbs for which a tire is approved.

**Maximum permissible tire pressure:** the maximum cold inflation pressure to which a tire may be inflated.

**Maximum load on one tire:** maximum load on one tire. This is calculated by dividing the maximum axle load of one axle by two.

**Maximum loaded vehicle weight:** the sum of (a) Curb weight; (b) Accessory weight; (c) Vehicle capacity weight; and (d) Production options weight.

**PSI (pounds per square inch):** standard unit of measurement for tire pressure.

**Aspect ratio:** ratio between tire height and tire width in percent.

**Tire pressure:** pressure inside the tire applying an outward force to every square inch of the tire. The tire pressure is specified in pounds per square inch (psi), in kilopascals (kPa) or in bar. The tire pressure should only be corrected when the tires are cold.

**Cold tire pressure:** the tires are cold when the vehicle has been parked for at least three hours without direct sunlight on the tires or the vehicle has been driven for less than 1 mile (1.6 km).

**Tire contact surface:** the part of the tire that comes into contact with the road.

**Tire bead:** the purpose of the tire bead is to ensure that the tire sits securely on the wheel rim. There are several wire cores in the tire bead to prevent the tire from changing length on the wheel rim.

**Side wall:** the part of the tire between the tread and the tire bead.

**Production options weight:** the combined weight of those installed regular production options weighing over 5 lbs (2,3 kg) in excess of those standard items which they replace, not previously considered in curb weight or accessory weight, including heavy duty brakes, ride levelers, roof rack, heavy duty battery, and special trim.

**TIN (Tire Identification Number):** a unique identification number which can be used by a tire manufacturer to identify tires, for example, in a product recall, and thus identify the purchasers. The TIN is made up of the manufacturer's identity code, tire size, tire type code and the manufacturing date.

**Load rating:** the maximum load that a tire is rated to carry for a given inflation pressure.

**Load-bearing index:** the load-bearing index is a code that contains the maximum load-bearing capacity of a tire.

**Traction:** traction is the grip resulting from friction between the tires and the road surface.

**Wear indicator:** narrow bars (tread wear bars) that are distributed over the tire contact surface. If the tire tread is level with the bars, the wear limit of 1/16 in (1.6 mm) has been reached.

**Distribution of vehicle occupants:** distribution of vehicle occupants over designated seat positions in a vehicle.

**Snow tire:** a tire that attains a traction index equal to or greater than 112, compared to the ASTM F2493 standard reference test tire when using the snow traction test on the medium pack snow surface as described in ASTM F1805-20, and that is marked with an Alpine Symbol on at least one sidewall.

**Accessory weight:** the combined weight (in excess of those standard items which may be replaced) of automatic transmission, power steering, power brakes, power windows, power seats, radio, and heater, to the extent that these items are available as factory-installed equipment (whether installed or not).

**Maximum permissible payload weight:** nominal load and luggage load plus 150 lb (68 kg) multiplied by the number of seats in the vehicle.

# Changing a wheel

## Notes on selecting, installing and replacing tires

**WARNING**
Risk of accident due to incorrect wheel and tire dimensions

If wheels and tires of the wrong size are installed, the service brakes or components in the brake system and in the wheel suspension may be damaged.

- ► Always replace wheels and tires with ones that fulfill the specifications of the original part.

**FOR WHEELS, PAY ATTENTION TO THE FOLLOWING:**

- Designation
- Type

**FOR TIRES, PAY ATTENTION TO THE FOLLOWING:**

- Designation
- Manufacturer
- Type

**WARNING**
Risk of injury through exceeding the specified tire load-bearing capacity or the permissible speed rating

Exceeding the specified tire load rating or the permissible speed rating may lead to tire damage and to the tires bursting.

- ► Therefore, only use tire types and sizes approved for your vehicle model.
- ► Observe the tire load rating and speed rating required for your vehicle.

**NOTE**
Vehicle and tire damage caused by non-approved tire types and sizes

For safety reasons, only use tires, wheels and accessories which have been specially approved by Mercedes-Benz for your vehicle.

**THESE TIRES ARE SPECIFICALLY CONFIGURED FOR ACTIVE SAFETY SYSTEMS, E.G. ABS, ESP® AND 4MATIC, AND ARE MARKED AS FOLLOWS:**

- MO = Mercedes-Benz Original
- MOE = Mercedes-Benz Original Extended (tires with run-flat characteristics, only for certain wheels)
- MO1 = Mercedes-Benz Original (only certain AMG tires)

Otherwise certain properties, e.g. driving characteristics, noise emissions, consumption, etc., could be adversely affected. Furthermore, other tire sizes could result in the tires rubbing against the body and axle components when loaded. This could result in damage to the tire or the vehicle.

Only use tires, wheels and accessories that have been checked and recommended by Mercedes-Benz.

**NOTE**
Risk to driving safety from retreaded tires

Retreaded tires are neither tested nor recommended by Mercedes-Benz, since previous damage cannot always be detected on retreaded tires.

For this reason driving safety cannot be guaranteed.

► Do not use used tires if you have no information about their previous usage.

**NOTE**
Possible wheel and tire damage when driving over obstacles

Large wheels have a smaller section width. As the section width decreases, the risk of wheels and tires being damaged when driving over obstacles increases.

► Avoid obstacles or drive especially carefully.

► Reduce your speed when driving over curbs, speed bumps, manhole covers and potholes.

► Avoid particularly high curbs.

**NOTE**
Possible wheel and tire damage when parking on curbs or in potholes

Parking on curbs or in potholes can damage the wheels and tires.

- ► Only park on as level a surface as possible.
- ► Avoid curbs and potholes when parking.

**NOTE**
Damage to electronic components caused by the use of tire-installing tools

**Vehicles with tire pressure monitoring system:** there are electronic components in the wheel.

Positioning tire-installing tools in the area of the valve may damage the electronic components.

- ► Tire-installing tools should not be positioned in the area of the valve.
- ► Always have tires changed at a qualified specialist workshop.

**NOTE**
Damage to summer tires at low ambient temperatures

At low ambient temperatures, tears could form when driving with summer tires, causing permanent damage to the tires.

- ► At temperatures below 45 °F (7 °C) use M+S tires.

Accessory parts which are not approved for your vehicle by Mercedes-Benz, or which are not used correctly, can impair driving safety.

**BEFORE PURCHASING AND USING NON-APPROVED ACCESSORIES, VISIT A QUALIFIED SPECIALIST WORKSHOP AND ENQUIRE ABOUT:**

- Suitability
- Legal provisions
- Factory recommendations

**WARNING**
Risk of accidents with sports tires

The special tire tread in combination with the optimized tire compound means that the risk of skidding or hydroplaning on wet roads is increased.

In addition, the tire grip is greatly reduced at a low outside temperature and tire running temperature.

- ► Switch on ESP® and adapt your driving style accordingly.
- ► Use M+S tires at outside temperatures of less than 45°F (7°C).
- ► Only use tires suitable for the intended use.

**OBSERVE THE FOLLOWING WHEN SELECTING, INSTALLING AND REPLACING TIRES:**

- The use of certain tire types in certain regions and areas of operation can be advisable.

- Only use Tires and wheels of the same type (summer tires, winter tires, MOExtended tires) and the same make.
- Only install wheels of the same size on one axle (left and right).

  Only install a different size of wheel in the event of a flat tire, to enable you to drive to a specialist workshop.
- **Vehicles with a tire pressure monitoring system:** All installed wheels must be equipped with functioning sensors for the tire pressure monitoring system.
- At temperatures below 45 °F (7 °C), use winter tires or all-season tire marked M+S for all wheels.

  winter tires provide the best possible grip in wintry road conditions.
- For M+S tire , only use tires with the same tread.
- Observe the maximum permissible speed for the M+S tire installed.

  If the tire's maximum speed is below that of the vehicle, this must be indicated by an appropriate label in the driver's field of vision.
- Drive the vehicle with new tires at moderate speeds for the first 60 miles (100 km).
- Replace the tires after six years at the latest, regardless of wear.
- **When replacing with tires that do not feature run-flat characteristics:** vehicles with MOExtended tires are not supplied with a TIREFIT kit ex factory. Equip the vehicle with a TIREFIT kit after replacing with tires that do not feature run-flat characteristics, e.g. winter tires.
- At a speed greater than 149 mph (240 km/h), the load capacity of the tires is reduced. winter tires with speed index "W" (max. 168 mph (270 km/h)) in the size "265/40 R20 104W XL M+S" on the front axle and "295/35 R20 105W XL M+S" on the rear axle may only be used with the Mercedes-AMG E 53 Hybrid at a maximum speed of 149 mph (240 km/h).

For more information on wheels and tires, contact a qualified specialist workshop.

**VEHICLES WITH AMG DRIVER'S PACKAGE**

**WARNING**
Risk of accident caused by non-approved tire types

If you use tire types that have not been adapted to changes made to the factory speed limit, this can have the following consequences:

- The tires are not suitable for high speeds and the corresponding driving dynamics.
- The tires wear unevenly and affect the roadworthiness of the vehicle.
- ABS, ESP® and cruise control operation are restricted.

This can jeopardize road safety.

► Only use tire types that have been approved for the maximum permissible speed set and the vehicle.

## Notes on changing wheels

**WARNING**
Risk of injury through different wheel sizes

Rotating the front and rear wheels can severely impair the driving characteristics.

The wheel brakes or suspension components may also be damaged.

► Rotate front and rear wheels only if the wheels and tires are of the same dimensions.

Observe the instructions and safety notes on "Changing a wheel" (⟶ page 738).

**THE WEAR PATTERNS ON THE FRONT AND REAR WHEELS DIFFER:**

- front wheels wear more on the tire shoulder
- rear wheels have more wear in the center of the tire

Do not drive with tires that have too little tread depth. This significantly reduces traction on wet roads (hydroplaning).

On vehicles that have the same size front and rear wheels, switch the wheels according to the intervals in the tire manufacturer's warranty booklet in your vehicle documents. If this is not available, switch the tires every 3,000 to 6,000 miles (5,000 to 10,000 km), depending on the wear. Ensure the original rotational direction of the wheels.

## Notes on storing wheels

**WHEN STORING WHEELS, OBSERVE THE FOLLOWING NOTES:**

- After removing wheels, store them in a cool, dry and preferably dark place.
- Protect the tires from contact with oil, grease or fuel.

## Overview of the tire-change tool kit

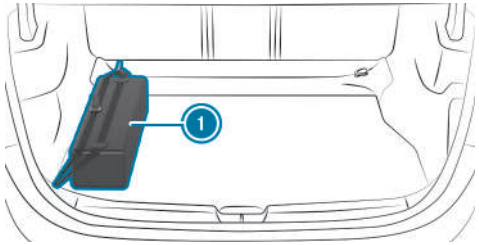
With the exception of some country-specific variants, vehicles are not equipped with a tire-change tool kit. Consult a qualified specialist workshop to find out which tire-change tool kit is necessary and approved for a wheel change on your vehicle.

**YOU REQUIRE THE FOLLOWING TOOLS, FOR EXAMPLE, TO CHANGE A WHEEL:**

- Jack
- Chock
- Wheel wrench
- Centering pin

The tire-change tool kit is located in the tool bag (1) in the trunk.

ⓘ When stowing the tool bag, ensure that it is adequately secured.




**THE TOOL BAG CONTAINS:**

- Jack
- Gloves
- Wheel wrench
- Centering pin
- Folding chock
- Ratchet wrench for jack

# Preparing the vehicle for a wheel change

**Requirements:**

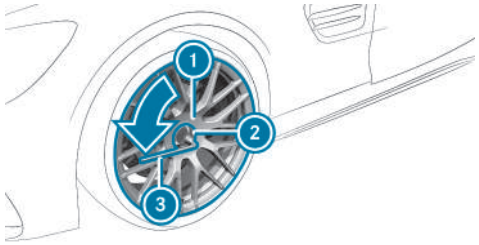
- The vehicle is not on a slope.
- The vehicle is on solid, non-slippery and level ground.
- The required tire-change tool kit is available.

ⓘ If your vehicle is not equipped with the tire-change tool kit, consult a qualified specialist workshop to find out about suitable tools.

- ► Apply the electric parking brake manually.
- ► Move the front wheels to the straight-ahead position.
- ► Shift the transmission to position P.
- ► Switch off the vehicle.
- ► Make sure that the vehicle cannot be started.
- ► Place chocks or other suitable items under the front and rear passenger compartment of the wheel that is diagonally opposite the wheel you wish to change.
- ► Unload the vehicle.
- ► If necessary, remove wheel trims/hub caps (→ page 744).
- ► Raise the vehicle (→ page 744).

# Installing/removing the hub cap

**REMOVING**




- ► Remove socket (2) and wheel wrench (3) from the vehicle tool kit (→ page 743).
- ► Position socket (2) on hub cap (1).
- ► Position wheel wrench (3) on socket (2).
- ► Using wheel wrench (3), turn hub cap (1) counter-clockwise and remove it.

**INSTALLING**

- ► Before installing, check hub cap (1) and the wheel area for dirt, and clean if necessary.
- ► Position hub cap (1) and turn until it is in the right position.
- ► Position socket (2) on hub cap (1).
- ► Position wheel wrench (3) on socket (2) and tighten hub cap (1).

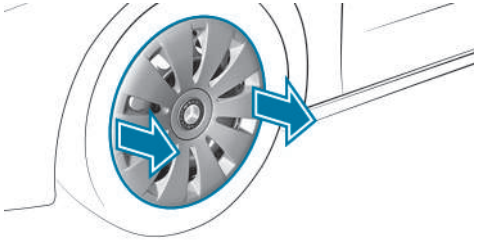
ⓘ **Specified tightening torque:** 18 lb-ft (25 Nm).

# Removing and fitting wheel trim/hub caps

**Requirements:**

- The vehicle is prepared for a wheel change (⟶ page 743).

**WHEEL TRIM**
On vehicles with aluminum wheels, the wheel trim covers the wheel bolts. Remove the wheel trim before unscrewing the wheel bolts.



- ► **To remove:** use both hands to carefully grip the two wheel trim apertures and pull the trim away.
- ► **To fit:** position the wheel trim and press it firmly until it engages.

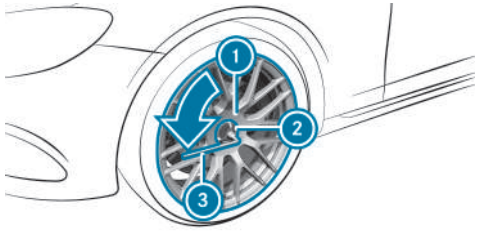
**PLASTIC HUB CAP**
**Removal:**

- ► Turn the center cover of the hub cap counter-clockwise and remove the hub cap.

**Fitting:**

- ► Make sure that the center cover of the hub cap has been turned counter-clockwise.
- ► Position the hub cap and turn the center cover clockwise until the hub cap is felt and heard to engage.

**ALUMINUM HUB CAP**




**Removal:**

- ► Position socket (2) from the tire-change tool kit on hub cap (1).
- ► Position wheel spanner (3) on the socket (2).
- ► Using wheel spanner (3), turn hub cap (1) counter-clockwise and remove it.

**Fitting:**

- ► Follow the instructions above in reverse order.

ⓘ **Specified tightening torque:** 18 lb-ft (25 Nm).

# Raising the vehicle for a wheel change

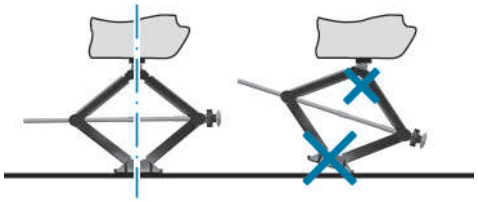
**Requirements:**

- There are no persons in the vehicle.
- The vehicle has been prepared for a wheel change (⟶ page 743).

- The wheel trims and hub caps have been removed (⟶ page 744).

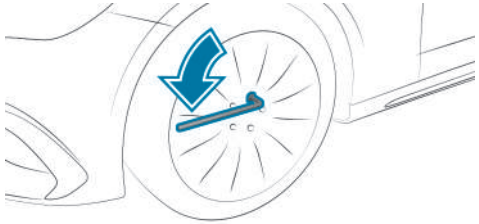
**IMPORTANT NOTES ON USING THE JACK:**

- Use only a vehicle-specific jack that has been approved for Mercedes-Benz to raise the vehicle.
- The jack is only designed for raising and holding the vehicle for a short time while a wheel is being changed and not for maintenance work under the vehicle.
- The jack must be placed on a firm, level and non-slip surface. If necessary, use a large, flat, load-bearing, non-slip underlay.
- The foot of the jack must be positioned vertically under the jack support point.

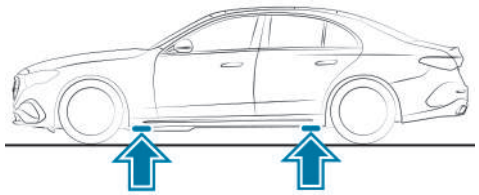


**RULES OF CONDUCT WHEN THE VEHICLE IS RAISED:**

- Do not put your hands or feet under the vehicle.
- Do not lie under the vehicle.
- Do not start the vehicle and do not release the electric parking brake.
- Do not open or close any doors or the trunk lid.



► Using the wheel wrench, loosen the wheel bolts on the wheel you wish to change by about one full turn. Do not unscrew the screws completely.



Position of the jack support points

**WARNING**
Risk of injury from incorrect positioning of the jack

If you do not position the jack correctly at the appropriate jacking point of the vehicle, the jack could tip with the vehicle raised.

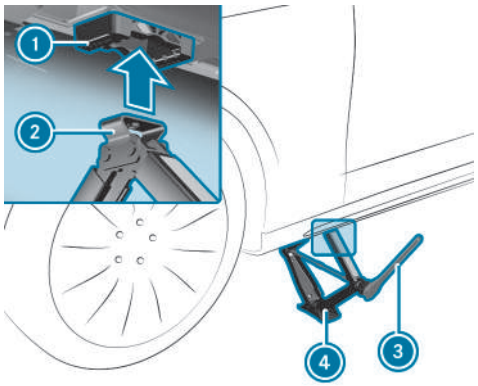
► Only position the jack at the appropriate jacking point of the vehicle. The base of the jack must be positioned vertically under the jacking point of the vehicle.

**NOTE**
Damage to the vehicle due to the jack

If the jack has not been positioned at the prescribed jack support points, the vehicle may suffer damage.

- ► Only position the jack at the jack support points provided for this purpose.

- ► Take the ratchet wrench out of the tire-change tool kit and place it on the hexagon nut of the jack in such a way that the lettering "AUF" is visible.




- ► Position support plate (2) of jack (4) in line with jack support point (1).
- ► Turn ratchet wrench (3) clockwise until support (2) sits completely on jack support point (1) and the base of the jack lies evenly on the ground.
- ► Turn ratchet wrench (3) until the tire is raised a maximum of 1.2 in (3 cm) from the ground.
- ► Loosen and remove the wheel (⟶ page 746).

## Removing a wheel

**Requirements:**

- The vehicle is raised (⟶ page 744).

During wheel change, avoid applying any force to the brake discs, since this could impair the level of comfort when braking.

**NOTE**
Damage to the wheels' plastic elements when changing a wheel

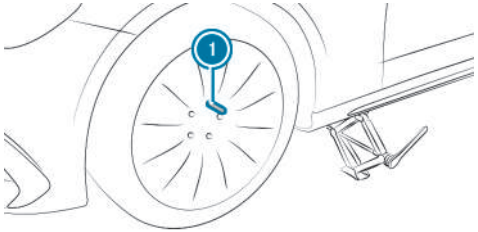
Plastic elements on wheels may be damaged when removing and repositioning the wheel.

- ► Do not raise the wheels by the plastic elements when removing and repositioning.

**NOTE**
Damage to threading from dirt on wheel bolts

- ► Do not place wheel bolts in sand or on a dirty surface.

- ► Unscrew the uppermost wheel bolt completely.




- ► Screw centering pin (1) into the thread instead of the wheel bolt.
- ► Unscrew the remaining wheel bolts completely.
- ► Remove the wheel.

## Installing a new wheel

**Requirements:**

- The wheel to be changed is removed and the alignment bolt is screwed in (⟶ page 746).

**WARNING**
Risk of accident from losing a wheel

Oiled, greased or damaged wheel bolt/wheel nut threads or wheel hub/wheel mounting bolt threads can cause the wheel bolts/wheel nuts to come loose.

- ► Never oil or grease the threads.
- ► In the event of damage to the threads, contact a qualified specialist workshop immediately.
- ► Have the damaged wheel bolts or damaged hub threads replaced.
- ► Do not continue driving.

- ► Observe the information on the choice of tires (⟶ page 738).

For tires with a specified running direction, an arrow on the side wall of the tire indicates the correct running direction. Observe the direction of rotation when assembling.

**NOTE**
Damage to the wheels' plastic elements when changing a wheel

Plastic elements on wheels may be damaged when removing and repositioning the wheel.

- ► Do not raise the wheels by the plastic elements when removing and repositioning.

- Slide the wheel to be mounted onto the alignment bolt and push it on.

**WARNING**
Risk of injury from tightening wheel bolts and nuts

If you tighten the wheel bolts or wheel nuts when the vehicle is raised, the jack could tip.

- Only tighten wheel bolts or wheel nuts when the vehicle is on the ground.

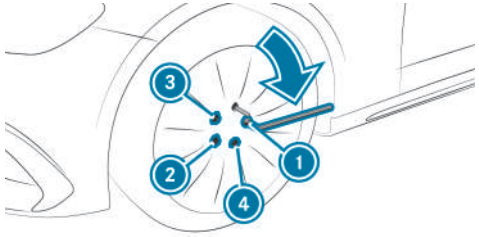
- Observe the instructions and safety notes on "Wheel change" (⟶ page 738).
- For safety reasons, only use wheel bolts which have been approved for Mercedes-Benz and for the wheel in question.

**NOTE**
Paintwork damage to the rim when tightening the first wheel bolt

If the wheel is too loose when tightening the first wheel bolt, there is a risk of damaging the paint finish on the rim.

- When tightening the first wheel bolt, be sure to hold the wheel sufficiently firmly against the wheel hub.

- Tighten the wheel bolts evenly in a diagonal pattern in the order indicated until they are hand-tight.




- Unscrew and remove the alignment bolt.
- Tighten the last wheel bolt until it is hand-tight.
- Lower the vehicle and tighten wheel bolts with the prescribed tightening torque (⟶ page 748).

## Lowering the vehicle after a wheel change

**Requirements:**

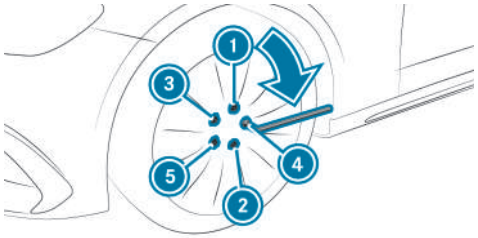
- The new wheel has been installed (⟶ page 747).

**NOTE**
Risk of vehicle jack becoming trapped by the AIRMATIC system

If the AIRMATIC system has released air when raising the vehicle, the jack can become trapped when the vehicle is lowered.

- Start the engine. This adapts the vehicle level.
- Remove the jack from under the vehicle.

- **To lower the vehicle:** place the ratchet wrench onto the hexagon nut of the jack in such a way that the lettering "AB" is visible and turn it counter-clockwise.




- Tighten the wheel bolts evenly in a diagonal pattern in the order indicated (1) to (5) with an initial maximum force of 59 lb-ft (80 Nm).
- Tighten the wheel bolts evenly in a diagonal pattern in the indicated order (1) to (5) with the specified tightening torque of 111 lb-ft (150 Nm).

**WARNING**
Risk of accident due to incorrect tightening torque

The wheels could come loose if the wheel bolts or wheel nuts are not tightened to the prescribed torque.

- Ensure that the wheel bolts or wheel nuts are tightened to the prescribed tightening torque.
- If you are not sure, do not move the vehicle. Contact a qualified specialist workshop and have the tightening torque checked immediately.

- Check the tire pressure of the newly installed wheel and adjust it if necessary.

The following does not apply if the new wheel is an emergency spare wheel:

- **Vehicles with a tire pressure monitoring system:** Restart the tire pressure monitoring system (→ page 724).

# Emergency spare wheel

## Notes on the emergency spare wheel

**WARNING**
Risk of accident caused by incorrect wheel and tire dimensions

The wheel or tire sizes and the tire type of the emergency spare wheel or spare wheel and the wheel to be replaced may differ. The emergency spare wheel or spare wheel can significantly impair driving characteristics of the vehicle.

To prevent hazardous situations:

- Drive carefully.
- Never install more than one emergency spare wheel or spare wheel that differs in size.
- Only use an emergency spare wheel or spare wheel briefly.
- Do not deactivate ESP®.
- Have the emergency spare wheel or spare wheel of a different size replaced at the nearest qualified specialist workshop. The new wheel must have the correct dimensions.

**FOLLOWING NOTES ON INSTALLING AN EMERGENCY SPARE WHEEL:**

- The maximum permissible speed with an emergency spare wheel installed is 50 mph (80 km/h).
- Do not equip the emergency spare wheel with snow chains.
- Replace the emergency spare wheel after six years at the latest, regardless of wear.
- Use the included wheel bolts for the emergency spare wheel.
- Check the tire pressure of the installed emergency spare wheel and adjust it as necessary.

The specified tire pressure is stated on the label of the emergency spare wheel.

**Vehicles with a tire pressure monitoring system:** if an emergency spare wheel is installed, the tire pressure monitoring system cannot function reliably. For a few minutes after an emergency spare wheel is installed, the system may still display the tire pressure of the removed wheel. Only restart the system when the emergency spare wheel has been replaced with a new wheel.

**ALSO TAKE NOTE OF THE FOLLOWING TOPICS:**

- Notes on tire pressure (→ page 719)
- Tire and load information table (→ page 725)
- Tire pressure table (→ page 721)
- Notes on installing tires (→ page 738)
- Installing an emergency spare wheel (→ page 743)

Back to contents

# Technical data

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
You can return here at any time via the navigation bar at the top left.

Notes on technical data
Vehicle electronics
Radio regulations
Overview of vehicle identification plate, VIN and engine number
Operating fluids
Vehicle data

# Notes on technical data

The data stated applies only to vehicles with standard equipment. You can obtain further information from a Mercedes-Benz Service Center.

# Vehicle electronics

## Two-way radios

**NOTES ON INSTALLING TWO-WAY RADIOS**

**WARNING**
Risk of accident due to improper work on two-way radios

If two-way radios are manipulated or retrofitted incorrectly, the electromagnetic radiation from the two-way radios can interfere with the vehicle electronics and jeopardize the operating safety of the vehicle.

► You should have all work on electrical and electronic components carried out at a qualified specialist workshop.

**WARNING**
Risk of accident due to improper operation of two-way radios

If you use two-way radios in the vehicle improperly, their electromagnetic radiation can disrupt the vehicle's electronics. This is the case in the following situations, in particular:

- The two-way radio is not connected to an exterior antenna.
- The exterior antenna is installed incorrectly or is not a low-reflection antenna.

This could jeopardize the operating safety of the vehicle.

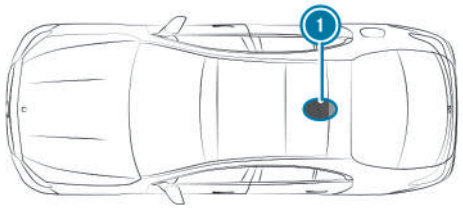
► Have the low-reflection exterior antenna installed at a qualified specialist workshop.

► When operating two-way radios in the vehicle, always connect them to the low-reflection exterior antenna.

**NOTE**
Invalidation of the operating permit due to failure to comply with the instructions for installation and use

The operating permit may be invalidated if the instructions for installation and use of two-way radios are not observed.

- Only use approved frequency bands.
- Observe the maximum permissible output power in these frequency bands.
- Only use approved antenna positions.




Vehicles without panoramic sliding sunroof

(1) Rear roof area

Installing a roof antenna on a vehicle with a panorama roof with power tilt/sliding panel is not permitted.

Use Technical Specification ISO/TS 21609 (Road Vehicles – "EMCs for installation of aftermarket radio frequency transmitting equipment") when retrofitting two-way radios. Comply with the legal requirements for detachable parts.

If your vehicle is equipped with the pre-installation for a two-way radio, use the power supply and antenna connectors provided in the pre-installation. Observe the manufacturer's supplements when installing.

**MOBILE PHONE TRANSMISSION OUTPUT**

The maximum transmission output (PEAK) at the base of the antenna must not exceed the values in the following table.

**FREQUENCY BAND AND MAXIMUM TRANSMISSION OUTPUT**

| Frequency band | Maximum transmission output |
|---|---|
| 2-m- frequency band<br>144 - 174 MHz | 50 W |
| Terrestrial Trunked Radio (TETRA)<br>380 - 460 MHz | 10 W |
| Mobile phone<br>2G | 2 W |
| Mobile phone<br>3G/4G/5G | 0.5 W |

**THE FOLLOWING CAN BE USED IN THE VEHICLE WITHOUT RESTRICTIONS:**

- two-way radios with a maximum transmission output of up to 100 mW
- two-way radios with transmitter frequencies in the 380 -410 MHz frequency band and a maximum transmission output of up to 2 W (TETRA)
- mobile phones (2G/3G/4G/5G)

**THERE ARE NO RESTRICTIONS REGARDING THE POSITIONING OF THE ANTENNA ON THE OUTSIDE OF THE VEHICLE FOR THE FOLLOWING FREQUENCY BANDS:**

- Terrestrial Trunked Radio (TETRA)

- 2G/3G/4G/5G

# Radio regulations

## Regulatory radio identifiers/specific notes

The tables and sections contain the following regulatory radio information:

- Manufacturer information
- Required regulatory radio identifiers, listed by country/region:
  - Manufacturer's specifications
  - Model designations
  - Radio equipment approval numbers
- Specific information on radio-based vehicle components

Further information and updates are available at the following website:

https://regulatoryradioinformation.corpinter.net/us

**OVERVIEW OF MANUFACTURERS**

| Manufacturer | Manufacturer information |
|---|---|
| Continental ADC | Continental ADC Automotive Distance Control Systems GmbH, Peter-Dornier-Straße 10, 88131 Lindau, Germany |
| Bosch | Robert Bosch GmbH, Daimlerstraße 6, 71229 Leonberg, Germany |
| Bury | BURY SP. Z O.O., UL. WOJSKA POLSKIEGO 4, 39-300 Mielec, Poland |
| Continental Antenna | Continental Advanced Antenna GmbH, Römerring 1, 31137 Hildesheim, Germany |
| Continental Automotive | Continental Automotive GmbH, Siemensstraße 12, 93055 Regensburg, Germany |
| Continental Automotive France | Continental Automotive France SAS, 1 Avenue Paul Ourliac, 31100 Toulouse 1, France |
| Continental Automotive Hungary | Continental Automotive Hungary Kft., H-1106 Budapest, Napmátka u. 6., Hungary |
| Continental Automotive Technologies | Continental Automotive Technologies GmbH, VDO-Straße 1, 64832 Babenhausen, Germany |
| Gentex | Gentex Corporation, 600 North Centennial Street, Zeeland MI 49464, USA |
| Harman Becker | Harman Becker Automotive Systems GmbH, Becker-Goehring-Straße 18, 76307 Karlsbad, Germany |
| HELLA | HELLA KGaA Hueck & Co., Rixbecker Straße 75, 59552 Lippstadt, Germany |
| Hirschmann | Hirschmann Car Communication GmbH, Stuttgarter Straße 45-51, 72654 Neckartenzlingen, Germany |

| Manufacturer | Manufacturer information |
|---|---|
| Huf Baolong | Huf Baolong Electronics Bretten GmbH, Gewerbestraße 40, 75015 Bretten, Germany |
| HUF | HUF Hülsbeck & Fürst GmbH & Co. KG, Steeger Straße 17, 42551 Velbert, Germany |
| MARQUARDT | MARQUARDT GmbH, Schloßstraße 16, 78604 Rietheim-Weilheim, Germany |
| Meta System | Meta System S.P.A., Via T. Galimberti 5, 42124 Reggio Emilia, Italy |
| Molex | Molex CVS Dabendorf GmbH, Märkische Straße 72, 15806 Zossen, Germany |
| Molex Technologies | Molex Technologies GmbH, Mizarstraße 3, 12529 Schönefeld, Germany |
| Panasonic | Panasonic Automotive Systems Europe GmbH, Robert-Bosch-Straße 27, 63225 Langen, Germany |
| Schrader | Schrader Electronics Ltd., 11 Technology Park, Belfast Road, Antrim BT41 1QS, Northern Ireland, United Kingdom |
| Sennheiser | Sennheiser electronic GmbH & Co. KG, Am Labor 1, 30900 Wedemark, Germany |
| Valeo | Valeo Telematik und Akustik GmbH, Max-Planck-Straße 28-32, 61381 Friedrichsdorf Germany |
| Veoneer | Veoneer Sweden AB, Wallentinsvägen 22, 44737 Vårgårda, Sweden |
| Vitesco | Vitesco Technologies GmbH, Siemensstrasse 12, 93055 Regensburg Germany |
| WITTE-Velbert | WITTE-Velbert GmbH & Co. KG, Hoeferstr. 3-15, 42551 Velbert, Germany |

## ALGERIA

Agréé par l'ANF
Référence du Certificat de conformité

Homologué par l'ARPCE
Référence du Certificat de conformité

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental Antenna | RKE223GNS (locking system) | 71/H/ANF/2021 |
| Continental Automotive | CMKG1 (locking system) | 122/H/ANF/2021 |
| Continental Automotive | CMKG2 (locking system) | 136/H/ANF/2023 |
| Continental Automotive | CMKG3 (locking system) | 541/H/ANF/2024 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental Automotive | MARS Keyless (locking system) | 168/H/ANF/2024 |
| HELLA | DM4 (locking system) | 123/H/ANF/2021 |
| Hirschmann | 920287A (locking system) | 106/H/ANF/2020 |
| Hirschmann | 920287B (locking system) | 107/H/ANF/2020 |
| Hirschmann | 920702A (locking system) | 133/H/ANF/2022 |
| Huf Baolong | TSSRE4A (tire pressure sensor) | 198/H/ANF/2021 |
| HUF | HUF13145 (locking system) | 105/H/ANF/2022 |
| MARQUARDT | DC12A (locking system) | 188/H/ANF/2021 |
| MARQUARDT | DC12B (locking system) | 189/H/ANF/2021 |
| MARQUARDT | DC12K (locking system) | 190/H/ANF/2021 |
| MARQUARDT | MS5 (locking system) | 195/H/ANF/2021 |
| MARQUARDT | MS7 (locking system) | 146/H/ANF/2024 |
| MARQUARDT | MK1 (locking system) | 193/H/ANF/2021 |
| MARQUARDT | MK2 (locking system) | 194/H/ANF/2021 |
| MARQUARDT | MK3 (locking system) | 300/H/ANF/2024 |
| MARQUARDT | 3350.38 (locking system) | 186/H/ANF/2021 |
| Schrader | AG5SP4 (tire pressure sensor) | 3681/1-73.OA 1639/DT/DG/ARPT/15 |
| Schrader | AG3PF4 (tire pressure sensor) | 652/1/DT/DG/ARPCE/2020 |
| Schrader | BG3FP4 (tire pressure sensor) | 56/H/ANF/2021 |
| Schrader | GG4T (tire pressure sensor) | 3994/1.69-DA/2098/DT/DG/ARPT/17 |
| Schrader | DG6W2D4 (tire pressure sensor) | 2695/1-NO.431396/DT/DG/ARPT/17 |
| WITTE-Velbert | SDHTAG3NFC (locking system) | 32/H/ANF/2021 |

## ARGENTINA

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental ADC | ARS4-A (radar sensor) | C-18005 |
| Continental ADC | ARS4-B (radar sensor) | C-17908 |
| Continental ADC | ARS6-A (radar sensor) | H-28818 |
| Continental ADC | ARS441DP10 (radar sensor) | C-2377 |
| Continental Antenna | RKE213E1 (antenna amplifier) | H-26206 |
| Continental Antenna | RKE223E1 (antenna amplifier) | H-24637 |
| Continental Automotive | CMKG1 (locking system) | H-24376 |
| Continental Automotive | CMKG2 (locking system) | H-28998 |
| Continental Automotive | CMKG3 (locking system) | H-31461 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental Automotive | MARS Keyless (locking system) | H-17929 |
| Continental Automotive | D-WMI2020A (control unit) | H-23974 |
| Continental Automotive Technologies | NTG7Q MID LF2 (head unit) | C-29127 |
| Continental Automotive Technologies | NTG7Q HIGH LF2 (head unit) | C-29126 |
| Continental Automotive Technologies | NTG7Q PREMIUM LF2 (head unit) | C-29128 |
| Continental Automotive Technologies | NTG7Q PREMIUMPLUS LF2 (head unit) | C-29930 |
| HELLA | DM4 (locking system) | H-17845 |
| Hirschmann | 920287A (locking system) | H-15694 |
| Hirschmann | 920287B (locking system) | H-15695 |
| Hirschmann | 920702A (locking system) | H-28310 |
| Huf Baolong | TSSRE4A (tire pressure sensor) | H-27592 |
| HUF | HUF13482 (locking system) | H-31125 |
| HUF | HUF13145 (locking system) | H-28067 |
| HUF | HUF14632 (locking system) | H-15541 |
| HUF | HUF4761 (locking system) | H-11545 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| MARQUARDT | DC12A (locking system) | H-17689 |
| MARQUARDT | DC12B (locking system) | H-21034 |
| MARQUARDT | DC12K (locking system) | H-21035 |
| MARQUARDT | MS2 (locking system) | H-17598 |
| MARQUARDT | MS4 (locking system) | H-23101 |
| MARQUARDT | MS5 (locking system) | H-24933 |
| MARQUARDT | MS6 (locking system) | H-30441 |
| MARQUARDT | MS7 (locking system) | H-29810 |
| MARQUARDT | MK1 (locking system) | H-17213 |
| MARQUARDT | MK2 (locking system) | H-17212 |
| MARQUARDT | MK3 (locking system) | H-30378 |
| MARQUARDT | 3350.38 (locking system) | H-23166 |
| MARQUARDT | MU3 (locking system) | H-30159 |
| MARQUARDT | MUB1 (locking system) | H-30622 |
| Schrader | AG5SP4 (tire pressure sensor) | H-4788 |
| Schrader | AG3PF4 (tire pressure sensor) | H-23292 |
| Schrader | BG3FP4 (tire pressure sensor) | H-25586 |
| Schrader | GG4T (tire pressure sensor) | H-20495 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Schrader | DG6W2D4 (tire pressure sensor) | H-20959 |
| Valeo | ARTEMIS-SUB-01 (locking system) | H-31497 |
| Vitesco | HFA30 (radar sensor) | H-30148 |
| WITTE-Velbert | SDHTAG3NFC (locking system) | H-24664 |

## AUSTRALIA

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation |
|---|---|
| Continental ADC | ARS4-A (radar sensor) |
| Continental ADC | ARS6-A (radar sensor) |
| Continental ADC | ARS4-C (radar sensor) |
| Continental ADC | ARS441DP10 (radar sensor) |
| Bosch | MRR1Rear (radar sensor) |
| Bosch | MRRe14FCR (radar sensor) |
| Bosch | F5CP12 (radar sensor) |
| Continental Antenna | RKE213E1 (antenna amplifier) |
| Continental Antenna | RKE223E1 (antenna amplifier) |
| Continental Antenna | 2032V00ME1 (antenna amplifier) |
| Continental Automotive | CMKG1 (locking system) |
| Continental Automotive | CMKG2 (locking system) |
| Continental Automotive | CMKG3 (locking system) |
| Continental Automotive | MARS Keyless (locking system) |
| Continental Automotive Technologies | NTG7Q MID LF2 (head unit) |
| Continental Automotive Technologies | NTG7Q HIGH LF2 (head unit) |
| Continental Automotive Technologies | NTG7Q PREMIUM LF2 (head unit) |
| Hirschmann | 920287A (locking system) |
| Hirschmann | 920287B (locking system) |
| Hirschmann | 920702A (locking system) |
| Huf Baolong | TSSRE4A (tire pressure sensor) |
| HUF | HUF13145 (locking system) |
| MARQUARDT | MS6 (locking system) |
| MARQUARDT | MS7 (locking system) |
| MARQUARDT | MK1 (locking system) |
| MARQUARDT | MK2 (locking system) |

| Manufacturer | Model designation |
|---|---|
| MARQUARDT | MK3 (locking system) |
| MARQUARDT | 3350.38 (locking system) |
| MARQUARDT | MU3 (locking system) |
| MARQUARDT | MUB1 (locking system) |
| Schrader | AG5SP4 (tire pressure sensor) |
| Schrader | AG3PF4 (tire pressure sensor) |
| Schrader | BG3FP4 (tire pressure sensor) |
| Schrader | GG4T (tire pressure sensor) |
| Schrader | DG6W2D4 (tire pressure sensor) |
| Veoneer | 77V12BSM (radar sensor) |
| Veoneer | 77V12CRN (radar sensor) |
| Veoneer | 77V125CRN (radar sensor) |
| Veoneer | MMRV1 (radar sensor) |

## BAHAMAS

### REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental ADC | ARS4-A (radar sensor) | URCA_TA_2014_082 |
| Continental ADC | ARS6-A (radar sensor) | URCA_TA_2023_211 |
| Continental ADC | ARS4-C (radar sensor) | URCA_TA_2019_167 |
| Bosch | MRR1Rear (radar sensor) | URCA_TA/2017_184 |
| Bosch | MRRe14FCR (radar sensor) | URCA_TA/2017_157 |
| Bosch | FR5CPCCF (radar sensor) | URCA_TA_2019_195 |
| Bosch | F5CP12 (radar sensor) | URCA_TA_2022_077 |
| Continental Automotive | CMKG1 (locking system) | URCA_TA/2020_068 |
| Continental Automotive | CMKG2 (locking system) | URCA_TA/2023_028 |
| Continental Automotive | CMKG3 (locking system) | URCA_TA/2024_213 |
| Continental Automotive | MARS Keyless (locking system) | URCA_TA/2017_119 |
| Continental Antenna | RKE213E1 (antenna amplifier) | UCRA_TA/2016_009 |
| Continental Antenna | RKE223E1GNS (antenna amplifier) | UCRA_TA/2020_032 |
| Continental Antenna | 2032V00ME1 (antenna amplifier) | URCA_TA/2024_248 |
| HELLA | DM4 (locking system) | URCA_TA/2017_078 |
| HELLA | RS6 (locking system) | URCA_TA_2023_174 |
| Hirschmann | 920287A (locking system) | URCA_TA/2019_053 |
| Hirschmann | 920287B (locking system) | URCA_TA/2019_052 |
| Hirschmann | 920702A (locking system) | URCA_TA/2022_043 |
| HUF | HUF13145 (locking system) | URCA_TA_2022_057 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| HUF | HUF14632 (locking system) | URCA_TA/2015_087 |
| HUF | HUF4761 (locking system) | URCA_TA/2015_087 |
| Huf Baolong | TSSRE4A (tire pressure sensor) | URCA_TA/2017_094 |
| MARQUARDT | DC12A (locking system) | URCA_TA_2017_042 |
| MARQUARDT | DC12B (locking system) | URCA_TA_2019_128 |
| MARQUARDT | DC12K (locking system) | URCA_TA_2019_129 |
| MARQUARDT | MS2 (locking system) | URCA_TA/2017_021 |
| MARQUARDT | MS4 (locking system) | URCA_TA_2019_141 |
| MARQUARDT | MS5 (locking system) | URCA_TA_2020_141 |
| MARQUARDT | MS6 (locking system) | URCA_TA_2024-035 |
| MARQUARDT | MS7 (locking system) | URCA_TA_2024-066 |
| MARQUARDT | MK1 (locking system) | URCA_TA/2015_031 |
| MARQUARDT | MK2 (locking system) | URCA_TA/2015_033 |
| MARQUARDT | MK3 (locking system) | URCA_TA_2024_025 |
| MARQUARDT | 3350.38 (locking system) | URCA_TA/2019_250 |
| MARQUARDT | MU3 (locking system) | URCA_TA/2023_245 |
| MARQUARDT | MUB1 (locking system) | URCA_TA/2024_060 |
| Schrader | AG5SP4 (tire pressure sensor) | URCA_TA_TA/2015_009 |
| Schrader | AG3PF4 (tire pressure sensor) | URCA_TA_2019_101 |
| Schrader | BG3FP4 (tire pressure sensor) | URCA_TA_2021_001 |
| Schrader | GG4T (tire pressure sensor) | URCA_TA_2020_046 |
| Schrader | DG6W2D4 (tire pressure sensor) | URCA_TA_2019_247 |
| Valeo | ARTEMIS-SUB-01 (locking system) | URCA_TA_2024_056 |
| Veoneer | 77V12BSM (radar sensor) | URCA_TA_2019_169 |
| Veoneer | 77V12CRN (radar sensor) | URCA_TA_2019_168 |
| Veoneer | 77V125CRN (radar sensor) | URCA_TA_2021_027 |
| Veoneer | MMRV1 (radar sensor) | URCA_TA/2015_063 |
| Vitesco Technologies | HFA30 (radar sensor) | URCA_TA_2023_247 |
| WITTE-Velbert | SDHTAG3NFC (locking system) | URCA_TA_2020_056 |

## BELARUS

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation |
|---|---|
| Continental ADC | ARS4-A (radar sensor) |
| Continental ADC | ARS4-C (radar sensor) |
| Bosch | MRR1Rear (radar sensor) |

| Manufacturer | Model designation |
|---|---|
| Bosch | MRRe14FCR (radar sensor) |
| Bosch | FR5CPCCF (radar sensor) |
| Bosch | F5CP12 (radar sensor) |
| Continental Antenna | RKE213E1 (antenna amplifier) |
| Continental Antenna | RKE223E1GNS (antenna amplifier) |
| Continental Antenna | 2032V00ME1 (antenna amplifier) |
| Continental Automotive | CMKG1 (locking system) |
| Continental Automotive | CMKG2 (locking system) |
| Continental Automotive | CMKG3 (locking system) |
| Continental Automotive | MARS Keyless (locking system) |
| Harman Becker | HERMES 3.0 (communication module) |
| HELLA | DM4 (locking system) |
| HUF | HUF13145 (locking system) |
| MARQUARDT | DC12A (locking system) |
| MARQUARDT | DC12B (locking system) |
| MARQUARDT | DC12K (locking system) |
| MARQUARDT | MS2 (locking system) |
| MARQUARDT | MS4 (locking system) |

| Manufacturer | Model designation |
|---|---|
| MARQUARDT | MS5 (locking system) |
| MARQUARDT | MS7 (locking system) |
| MARQUARDT | MK1 (locking system) |
| MARQUARDT | MK2 (locking system) |
| MARQUARDT | MK3 (locking system) |
| MARQUARDT | 3350.38 (locking system) |
| MARQUARDT | MU3 (locking system) |
| MARQUARDT | MUB1 (locking system) |
| Veoneer | 77V12BSM (radar sensor) |
| Veoneer | 77V12CRN (radar sensor) |
| Veoneer | 77V125CRN (radar sensor) |
| Veoneer | MMRV1 (radar sensor) |
| WITTE-Velbert | SDHTAG3NFC (locking system) |

## BOTSWANA

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental ADC | ARS4-A (radar sensor) | BOCRA/TA/2018/2026 |
| Continental ADC | ARS6-A (radar sensor) | BOCRA/TA/2022/7599 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental ADC | ARS4-C (radar sensor) | BOCRA/TA/2020/5186 |
| Bosch | MRRe14FCR (radar sensor) | BOCRA/TA/2019/4674 |
| Bosch | FR5CPCCF (radar sensor) | BOCRA/TA/2019/4975 |
| Bosch | MRR1Rear (radar sensor) | BOCRA/TA/2017/3788 |
| Bosch | F5CP12 (radar sensor) | BOCRA/TA/2022/7110 |
| Continental Antenna | RKE213E1 (antenna amplifier) | BOCRA/TA/2019/4387 |
| Continental Antenna | RKE223E1GNS (antenna amplifier) | BOCRA/TA/2019/5050 |
| Continental Antenna | 2032V00ME1 (antenna amplifier) | BOCRA/TA/2024/1366 |
| Continental Automotive | CMKG1 (locking system) | BOCRA/TA/2019/5075 |
| Continental Automotive | CMKG2 (locking system) | BOCRA/TA/2023/8144 |
| Continental Automotive | CMKG3 (locking system) | BOCRA/TA/2024/1414 |
| Continental Automotive | MARS Keyless (locking system) | BOCRA/TA/2019/4661 |
| HELLA | DM4 (locking system) | BOCRA/TA/2019/4662 |
| HELLA | RS6 (locking system) | BOCRA/TA/2023/8610 |
| Hirschmann | 920287A (locking system) | BOCRA/TA/2019/4724 |
| Hirschmann | 920287B (locking system) | BOCRA/TA/2019/4723 |
| Hirschmann | 920702A (locking system) | BOCRA/TA/2022/7099 |
| HUF | HUF13145 (locking system) | HUF13145 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| HUF | HUF4761 (locking system) | BOCRA/TA/2019/4664 |
| MARQUARDT | DC12A (locking system) | BOCRA/TA/2019/4389 |
| MARQUARDT | DC12B (locking system) | BOCRA/TA/2019/4388 |
| MARQUARDT | DC12K (locking system) | BOCRA/TA/2019/4390 |
| MARQUARDT | MS2 (locking system) | BOCRA/TA/2019/5135 |
| MARQUARDT | MS4 (locking system) | BOCRA/TA/2019/4758 |
| MARQUARDT | MS5 (locking system) | BOCRA/TA/2020/5473 |
| MARQUARDT | MS6 (locking system) | BOCRA/TA/2024/259 |
| MARQUARDT | MS7 (locking system) | BOCRA/TA/2024/374 |
| MARQUARDT | MK1 (locking system) | BOCRA/TA/2019/4359 |
| MARQUARDT | MK2 (locking system) | BOCRA/TA/2019/4360 |
| MARQUARDT | MK3 (locking system) | BOCRA/TA/2024/373 |
| MARQUARDT | 3350.38 (locking system) | BOCRA/TA/2019/4687 |
| MARQUARDT | MU3 (locking system) | BOCRA/TA/2023/8771 |
| MARQUARDT | MUB1 (locking system) | BOCRA/TA/2024/386 |
| Veoneer | 77V12BSM (radar sensor) | BOCRA/TA/2019/4975 |
| Veoneer | 77V12CRN (radar sensor) | BOCRA/TA/2019/4980 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Veoneer | 77V125CRN (radar sensor) | BOCRA/TA/2021/6191 |
| WITTE-Velbert | SDHTAG3NFC (locking system) | BOCRA/TA/2020/5342 |

## BRAZIL

**Information on two-way radio systems in the vehicle:**

These systems are not protected against harmful interference and must not cause interference in properly approved systems.

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental ADC | ARS4-A (radar sensor) | 02217-14-06068 |
| Continental ADC | ARS441DP10 (radar sensor) | 06783-19-02496 |
| Bury | A167 820 19 03 /A247 820 84 02 (mobile phone charger) | 20280-23-04457 |
| Bury | A247 820 86 02 (mobile phone charger) | 20288-23-04457 |
| Bury | A174 820 42 00 (USB-C charger) | 07785-24-04457 |
| Continental Antenna | RKE223E1 (antenna amplifier) | 03691-15-05298 |
| Continental Antenna | RKE213E1 (antenna amplifier) | 07359-21-12817 |
| Continental Antenna | RKE213E1 (antenna amplifier) | 3691-15-5298 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental Automotive | CMKG1 (locking system) | 00325-20-02149 |
| Continental Automotive | CMKG2 (locking system) | 01334-23-02149 |
| Continental Automotive | CMKG3 (locking system) | 10003-24-02149 |
| Continental Automotive | MARS Keyless (locking system) | 03189-17-02856 |
| Continental Automotive Technologies | NTG7Q MID LF2 (head unit) | 12520-23-06353 |
| Continental Automotive Technologies | NTG7Q HIGH LF2 (head unit) | 12525-23-06353 |
| Continental Automotive Technologies | NTG7Q PREMIUM LF2 (head unit) | 12522-23-06353 |
| Continental Automotive Technologies | NTG7Q PREMIUMPLUS LF2 (head unit) | 17830-23-06353 |
| HELLA | DM4 (locking system) | 04689-17-05364 |
| Hirschmann | 920287A (locking system) | 1855-12-5762 |
| Hirschmann | 920287B (locking system) | 1787-12-8058 |
| Huf Baolong | TSSRE4A (tire pressure sensor) | 08539-19-03616 |
| HUF | HUF13482 (locking system) | 07889-24-06643 |
| HUF | HUF13145 (locking system) | HUF13145 |
| HUF | HUF14632 (locking system) | 03627-15-06643 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| HUF | HUF4761 (locking system) | 00053-13-06643 |
| MARQUARDT | DC12A (locking system) | 01333-17-02930 |
| MARQUARDT | DC12B (locking system) | 01395-11-02930 |
| MARQUARDT | DC12K (locking system) | 01392-11-02930 |
| MARQUARDT | MS2 (locking system) | 00616-17-02930 |
| MARQUARDT | MS4 (locking system) | 06218-19-02930 |
| MARQUARDT | MS5 (locking system) | 11149-20-02930 |
| MARQUARDT | MS6 (locking system) | 02565-24-02930 |
| MARQUARDT | MS7 (locking system) | 05883-24-02930 |
| MARQUARDT | 3350.38 (locking system) | 03149-19-02930 |
| MARQUARDT | MK1 (locking system) | 03756-15-02930 |
| MARQUARDT | MK2 (locking system) | 03757-15-02930 |
| MARQUARDT | MK3 (locking system) | 06050-24-02930 |
| MARQUARDT | MU3 (locking system) | 05884-24-02930 |
| MARQUARDT | MUB1 (locking system) | 05886-24-02930 |
| Molex Technologies | HUB-8 (mobile phone charger) | 19286-23-12116 |
| Molex Technologies | HUB-9d / HUB-9e (mobile phone charger) | 19287-23-12116 |
| Vitesco Technologies | HFA30 (radar sensor) | 18924-23-15869 |
| WITTE-Velbert | SDHTAG3NFC (locking system) | 03034-20-07018 |

**Additional specific information**

**Rear Seat Entertainment System:**

This system is not protected against harmful interference and must not cause interference in properly approved systems.

This product is approved by ANATEL in accordance with the procedures set out in Resolution 242/2000 and complies with the relevant technical requirements. You will find additional information on the ANATEL website https://www.anatel.gov.br

**Charging unit for the wireless charging of mobile communication devices (WMI):**

This device operates in secondary mode, which means it has no protection against harmful interference, not even from stations of the same type, and must not cause interference with systems operating on a primary basis.

This product is approved in accordance with the procedures defined in Directive 242/2000 by the Brazilian telecommunications agency ANATEL and complies with the applicable technical requirements.

Additional information can be found on the ANATEL website www.anatel.gov.br.

**Telecommunications products:**

This product has been approved by Anatel in accordance with the procedures stipulated in Resolution No. 715/2020, and satisfies all applied technical requirements.

Additional information can be found on the ANATEL website www.anatel.gov.br.

## BRUNEI DARUSSALAM

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental ADC | ARS4-C (radar sensor) | DTA-004005 |
| Continental ADC | ARS6-A (radar sensor) | DTA-020359 |
| Bosch | FR5CPCCF (radar sensor) | DTA-004222 |
| Bosch | LRR3 (radar sensor) | DTA-011039 |
| Bosch | MRR1Rear (radar sensor) | DTA-006601 |
| Bosch | MRRe14FCR (radar sensor) | DTA-006678 |
| Bosch | F5CP12 (radar sensor) | DTA-018042 |
| Continental Antenna | RKE213E1 (antenna amplifier) | DTA-006665 |
| Continental Antenna | RKE223E1GNS (antenna amplifier) | DTA-004998 |
| Continental Antenna | 2032V00ME1 (antenna amplifier) | DTA-038252 |
| Continental Automotive | CMKG1 (locking system) | DTA-005043 |
| Continental Automotive | CMKG2 (locking system) | DTA-023993 |
| Continental Automotive | CMKG3 (locking system) | DTA-037547 |
| Continental Automotive | MARS Keyless (locking system) | DTA-017264 |
| HELLA | DM4 (locking system) | DTA-020187 |
| HELLA | RS6 (locking system) | AA-000081 |
| Hirschmann | 920287A (locking system) | DTA-001661 |
| Hirschmann | 920287B (locking system) | DTA-000794 |
| Hirschmann | 920702A (locking system) | DTA-018051 |
| Huf Baolong | TSSRE4A (tire pressure sensor) | DTA-011045 |
| Huf Baolong | TSSSG4G6b (tire pressure monitoring system control unit) | DTA-003757 |
| HUF | HUF13145 (locking system) | DTA-017926 |
| HUF | HUF14632 (locking system) | DTA-006138 |
| HUF | HUF4761 (locking system) | DTA-000615 |
| MARQUARDT | DC12A (locking system) | DTA-019403 |
| MARQUARDT | DC12B (locking system) | DTA-000068 |
| MARQUARDT | DC12K (locking system) | DTA-000066 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| MARQUARDT | MS2 (locking system) | LPD-38890 |
| MARQUARDT | MS4 (locking system) | DTA-003525 |
| MARQUARDT | MS5 (locking system) | DTA-005850 |
| MARQUARDT | MS7 (locking system) | DTA-032943 |
| MARQUARDT | MK1 (locking system) | DTA-011312 |
| MARQUARDT | MK2 (locking system) | DTA-011313 |
| MARQUARDT | MK3 (locking system) | DTA-031059 |
| MARQUARDT | 3350.38 (locking system) | DTA-032673 |
| MARQUARDT | MU3 (locking system) | DTA-029861 |
| MARQUARDT | MUB1 (locking system) | DTA-032674 |
| Schrader | AG5SP4 (tire pressure sensor) | DTA-005291 |
| Schrader | AG3PF4 (tire pressure sensor) | DTA-003581 |
| Schrader | BG3FP4 (tire pressure sensor) | DRQ-D-JATI-07-2000-109000 |
| Schrader | DG6W2D4 (tire pressure sensor) | DTA-025258 |
| Schrader | GG4T (tire pressure sensor) | DTA-025258 |
| Schrader | BG3FP4 (tire pressure sensor) | DTA-025258 |
| Schrader | MFR (tire pressure monitoring system control unit) | DTA-003893 |
| Schrader | MFR3 (tire pressure monitoring system control unit) | DRQ-D-MAJU-02-2011-111083 |
| Valeo | ARTEMIS-SUB-01 (locking system) | DTA-031587 |
| Veoneer | 77V12BSM (radar sensor) | DTA-004000 |
| Veoneer | 77V12CRN (radar sensor) | DTA-003999 |
| Veoneer | 77V125CRN (radar sensor) | DTA-010423 |
| Veoneer | 77GHz MMRV1 (radar sensor) | DTA-006216 |
| Vitesco Technologies | HFA30 (radar sensor) | DTA-030296 |
| WITTE-Velbert | SDHTAG3NFC (locking system) | DTA-005628 |

## EURASIAN ECONOMIC UNION

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation |
|---|---|
| Continental ADC | ARS4-A (radar sensor) |
| Continental ADC | ARS4-C (radar sensor) |
| Continental ADC | ARS6-A (radar sensor) |
| Continental ADC | ARS441DP10 (radar sensor) |

| Manufacturer | Model designation |
|---|---|
| Bosch | FR5CPCCF (radar sensor) |
| Bosch | LRR3 (radar sensor) |
| Bosch | MRR1Rear (radar sensor) |
| Bosch | MRRe14FCR (radar sensor) |
| Bosch | F5CP12 (radar sensor) |
| Continental Antenna | RKE213E1 (antenna amplifier) |
| Continental Antenna | RKE223E1GNS (antenna amplifier) |
| Continental Automotive | MARS Keyless (locking system) |
| Continental Automotive | CMKG1 (locking system) |
| Continental Automotive | CMKG2 (locking system) |
| Continental Automotive | CMKG3 (locking system) |
| HELLA | DM4 (locking system) |
| Hirschmann | 920287A (locking system) |
| Hirschmann | 920287B (locking system) |
| Hirschmann | 920702A (locking system) |
| Huf Baolong | TSSRE4A (tire pressure sensor) |
| HUF | HUF13145 (locking system) |
| HUF | HUF4761 (locking system) |

| Manufacturer | Model designation |
|---|---|
| HUF | HUF14632 (locking system) |
| HUF | HUF13482 (locking system) |
| MARQUARDT | DC12A (locking system) |
| MARQUARDT | DC12B (locking system) |
| MARQUARDT | DC12K (locking system) |
| MARQUARDT | MS2 (locking system) |
| MARQUARDT | MS4 (locking system) |
| MARQUARDT | MS5 (locking system) |
| MARQUARDT | MS6 (locking system) |
| MARQUARDT | MS7 (locking system) |
| MARQUARDT | MK1 (locking system) |
| MARQUARDT | MK2 (locking system) |
| MARQUARDT | MK3 (locking system) |
| MARQUARDT | 3350.38 (locking system) |
| MARQUARDT | MU3 (locking system) |
| MARQUARDT | MUB1 (locking system) |
| Schrader | AG5SP4 (tire pressure sensor) |
| Schrader | AG3PF4 (tire pressure sensor) |

| EAC | EAC |
|---|---|
| **Manufacturer** | **Model designation** |
| Schrader | BG3FP4 (tire pressure sensor) |
| Schrader | GG4T (tire pressure sensor) |
| Schrader | DG6W2D4 (tire pressure sensor) |
| Valeo | ARTEMIS-SUB-01 (locking system) |
| Veoneer | 77GHz MMRV1 (radar sensor) |
| Veoneer | 77V12BSM (radar sensor) |
| Veoneer | 77V12CRN (radar sensor) |
| Veoneer | 77V125CRN (radar sensor) |
| WITTE-Velbert | SDHTAG3NFC (locking system) |

## GHANA

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| | | NCA APPROVED |
| Continental ADC | ARS4-B (radar sensor) | 1R3-1M-7E1-160 |
| Continental ADC | ARS4-C (radar sensor) | ZRO-1H-7E3-152 |
| Continental ADC | ARS6-A (radar sensor) | 7E6-M1-16C-SRD |
| Continental ADC | ARS441DP10 (radar sensor) | ZRO-1H-7E3-152 |
| Bosch | FR5CPCCF (radar sensor) | ZRO-M8-7E3-230 |
| Bosch | F5CP12 (radar sensor) | 7E6-M1-X9B-SRD |
| Continental Antenna | RKE213E1 (antenna amplifier) | ZRO-M8-7E3-X53 |
| Continental Antenna | RKE223E1GNS (antenna amplifier) | ZRO-M8-7E3-225 |
| Continental Antenna | 2032V00ME1 (antenna amplifier) | M7-7E8-26C-RTH |
| Continental Automotive | CMKG1 (locking system) | ZRO-M8-7E3-277 |
| Continental Automotive | CMKG2 (locking system) | 7M-7E7-X25-DSR |
| Continental Automotive | CMKG3 (locking system) | HT-7E8-276-THE |
| Continental Automotive | MARS Keyless (locking system) | BR3-1M-GE2-16A |
| Continental Automotive Technologies | NTG7Q MID LF2 (head unit) | 7M-7E7-X09-DSR |
| Continental Automotive Technologies | NTG7Q HIGH LF2 (head unit) | 7M-7E7-X05-DSR |
| Continental Automotive Technologies | NTG7Q PREMIUM LF2 (head unit) | 7M-7E7-X03-DSR |
| HELLA | DM4 (locking system) | BR3-1M-GE2-157 |
| Hirschmann | 920287A (locking system) | ZRO-M8-7E3-X45 |
| Hirschmann | 920287B (locking system) | ZRO-M8-7E3-X47 |
| HUF | HUF13145 (locking system) | 7E6-M1-X14-SRD |
| HUF | HUF4761 (locking system) | EX6-6M-GE2-16C |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| MARQUARDT | DC12A (locking system) | ZRO-M8-7E3-X50 |
| MARQUARDT | DC12B (locking system) | ZRO-M8-7E3-X51 |
| MARQUARDT | DC12K (locking system) | ZRO-M8-7E3-X52 |
| MARQUARDT | MS2 (locking system) | BR3-1M-GE-129 |
| MARQUARDT | MS4 (locking system) | ZRO-1H-7E3-26E |
| MARQUARDT | MS5 (locking system) | SRO-1M-7E4-11B |
| MARQUARDT | MS6 (locking system) | M1-7E8-X42-SRH |
| MARQUARDT | MS7 (locking system) | M1-7E8-X9F-SRH |
| MARQUARDT | MK1 (locking system) | ZRO-M8-7E3-X4A |
| MARQUARDT | MK2 (locking system) | ZRO-M8-7E3-X4C |
| MARQUARDT | MK3 (locking system) | HS-7E7-262-DSR |
| MARQUARDT | MU3 (locking system) | HS-7E7-XE5-DSR |
| MARQUARDT | MUB1 (locking system) | M1-7E8-X9D-SRH |
| MARQUARDT | 3350.38 (locking system) | ZRO-M8-7E3-X3C |
| MARQUARDT | MU3 (locking system) | HS-7E7-XE5-DSR |
| Valeo | ARTEMIS-SUB-01 (locking system) | 7M-7E7-272-DSR |
| Veoneer | 77V12BSM (radar sensor) | ZRO-1H-7E3-142 |
| Veoneer | 77V12CRN (radar sensor) | ZRO-M8-7E3-230 |
| Veoneer | 77V125CRN (radar sensor) | 7E5-7M-X72-RDR |
| Vitesco Technologies | HFA30 (radar sensor) | 7M-7E7-134-DSR |
| WITTE-Velbert | SDHTAG3NFC (locking system) | SRO-1M-7E4-X59 |

## INDONESIA

⚠ Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Bury | MB-WMI2024 (control unit) | 100200/SDPPI/2024<br>7163 |
| Continental ADC | ARS3-A (radar sensor) | 97128/SDPPI/2024<br>7163 |
| Continental ADC | ARS3-B (radar sensor) | 97129/SDPPI/2024<br>7163 |
| Continental ADC | ARS4-B (radar sensor) | 97127/ SDPPI/ 2024<br>7163 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental ADC | ARS4-C (radar sensor) | 68676/SDPPI/2020<br>7163 |
| Continental ADC | ARS4-A (radar sensor) | 90362/SDPPI/2023<br>7163 |
| Continental ADC | ARS6-A (radar sensor) | 84770/SDPPI/2022<br>7163 |
| Continental ADC | ARS441DP10 (radar sensor) | 89748/SDPPI/2023<br>7163 |
| Bosch | LRR3 (radar sensor) | 74264/SDPPI/2021<br>7163 |
| Bosch | MRR1Rear (radar sensor) | 74267/SDPPI/2021<br>7163 |
| Bosch | MRRevo14F (radar sensor) | 74265/SDPPI/2021<br>7163 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Bosch | MRRe14FCR (radar sensor) | 74266/SDPPI/2021<br>7163 |
| Bosch | FR5CPCCF (radar sensor) | 67882/SDPPI/2020<br>7163 |
| Bosch | F5CP12 (radar sensor) | 86858/SDPPI/2022<br>84754 |
| Continental Antenna | RKE213E1 (antenna amplifier) | 103697/SDPPI/2024<br>7163 |
| Continental Antenna | RKE223E1GNS (antenna amplifier) | 86957/ SDPPI/ 2022<br>10325 |
| Continental Automotive | CMKG1 (locking system) | 87836/SDPPI/2023<br>7163 |
| Continental Automotive | CMKG2 (locking system) | 88721/SDPPI/2023<br>7163 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental Automotive | CMKG3 (locking system) | 106918/SDPPI/2025 7163 |
| Continental Automotive | MARS Keyless (locking system) | 69379/SDPPI/2020 7163 |
| Continental Automotive | CORTIS08 (tire pressure monitoring system control unit) | 97476//SDPPI/2024 7163 |
| Continental Automotive | D-WMI2020A (control unit) | 66678/SDPPI/2020 7163 |
| Continental Automotive | NTG7 MID (Headunit) Production: Hungary | 92192/SDPPI/2023 7163 |
| Continental Automotive | NTG7 HIGH (Headunit) Production: Hungary | 92190/SDPPI/2023 7163 |
| Continental Automotive | NTG7 PREMIUM (Headunit) Production: Hungary | 92188/SDPPI/2023 7163 |
| Continental Automotive | NTG7 PREMIUM PLUS (Headunit) Production: Hungary | 92195/SDPPI/2023 7163 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental Automotive France | CORTIS08 (tire pressure monitoring system control unit) | 97476/SDPPI/2024 7163 |
| Continental Automotive Technologies | NTG7Q MID LF2 (head unit) | 88477/SDPPI/2023 7163 |
| Continental Automotive Technologies | NTG7Q HIGH LF2 (head unit) | 88579/SDPPI/2023 7163 |
| Continental Automotive Technologies | NTG7Q PREMIUM LF2 (head unit) | 88478/SDPPI/2023 7163 |
| Harman Becker | NTG6N ENTRY/MID (Headunit) Production: Germany | 64019/SDPPI/2019 7163 |
| Harman Becker | NTG6N HIGH (Headunit) Production: Germany | 64018/SDPPI/2019 7163 |
| Harman Becker | NTG6N ENTRY/MID (Headunit) Production: Hungary | 63775/SDPPI/2019 7163 |
| Harman Becker | NTG6N HIGH (Headunit) Production: Hungary | 63774/SDPPI/2019 7163 |
| Harman Becker | NTG7 MID (Headunit) | 65544/SDPPI/2020 7163 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Harman Becker | NTG7 HIGH (Headunit) | 70513/SDPPI/2020 7163 |
| Harman Becker | NTG7 PREMIUM (Headunit) | 65543/SDPPI/2020 7163 |
| Harman Becker | NTG7 PREMIUM PLUS (Headunit) | 70512/SDPPI/2020 7163 |
| Harman Becker | NTG7 RSU (control unit) | 66387/SDPPI/2020 7163 |
| HELLA | DM4 (locking system) | 69378/SDPPI/2020 7163 |
| Huf Baolong | TSSRE4A (tire pressure sensor) | 72438/SDPPI/2021 7163 |
| Hirschmann | 920287A (locking system) | 71369 /SDPPI/2020 7163 |
| Hirschmann | 920287B (locking system) | 72974 /SDPPI/2021 7163 |
| Hirschmann | 920702A (locking system) | 82675/SDPPI/2022 7163 |
| HUF | HUF13482 (locking system) | 104103/SDPPI/2024 7163 |
| HUF | HUF14632 (locking system) | 78368/SDPPI/2021 7163 |
| HUF | HUF4761 (locking system) | 26742/SDPPI/2015 3533 |
| HUF | HUF13145 (NFC reader) | 83988/SDPPI/2022 |
| MARQUARDT | DC12A (locking system) | 67373/SDPPI/2020 7163 |
| MARQUARDT | DC12B (locking system) | 80676/SDPPI/2022 7163 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| MARQUARDT | DC12K (locking system) | 80621/SDPPI/2022 7163 |
| MARQUARDT | MS2 (locking system) | 67372/SDPPI/2020 7163 |
| MARQUARDT | MS4 (locking system) | 64126/SDPPI/2019 7163 |
| MARQUARDT | MS5 (locking system) | 90695/SDPPI/2023 7163 7163 |
| MARQUARDT | MS6 (locking system) | 102883/SDPPI/2024 7163 7163 |
| MARQUARDT | MS7 (locking system) | 102735/SDPPI/2024 7163 7163 |
| MARQUARDT | MK1 (locking system) | 100207/ SDPPI/ 2024 7163 |
| MARQUARDT | MK2 (locking system) | 100209/ SDPPI/ 2024 7163 |
| MARQUARDT | MK3 (locking system) | 102736/ SDPPI/ 2024 7163 |
| MARQUARDT | 3350.38 (locking system) | 82980/SDPPI/2022 7163 |
| Molex | WCH-302b (control unit) | 71668/SDPPI/2020 7163 |
| Molex | WCH-302d (control unit) | 71220/SDPPI/2020 7163 |
| Molex | WCH-302e (control unit) | 71669/SDPPI/2020 7163 |
| Panasonic | DAIRSE (control unit) | 63550/SDPPI/2019 |
| Schrader | GG4T (tire pressure sensor) | 72023/SDPPI/2020 9338 |
| Schrader | AG5SP4 (tire pressure sensor) | 75465/SDPPI/2021 7163 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Schrader | BG3FP4 (tire pressure sensor) | 72765/SDPP/2021<br>7163<br>  |
| Schrader | DG6W2D4 (tire pressure sensor) | 57058/SDPPI/2018<br>3612 |
| Schrader | MC34MA4 (tire pressure monitoring system control unit) | 25626/SDPPI/2015<br>3612 |
| Schrader | AG3PF4 (tire pressure sensor) | 62396/SDPPI/2020<br>7163<br>  |
| Schrader | GG4T (tire pressure sensor) | 72023/SDPPI/2020<br>7163<br>  |
| Veoneer | 77GHz MMRV1 (radar sensor) | 74749/SDPPI/2021<br>7163<br>  |
| Veoneer | 77V12CRN (radar sensor) | 66830/SDPPI/2020<br>7163<br>  |
| Veoneer | 77V125CRN (radar sensor) | 78366/SDPPI/2021<br>7163<br>  |
| Veoneer | 77V12BSM (radar sensor) | 66792/SDPPI/2020<br>7163<br>  |
| WITTE-Velbert | SDHTAG3NFC (locking system) | 67233/SDPPI/2020<br>10325<br>  |

## ISRAEL

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| | | Approval number of the Ministry of Communications: |
| Continental ADC | ARS4-A (radar sensor) | 55-09697 |
| Continental ADC | ARS6-A (radar sensor) | 55-14225 |
| Continental ADC | ARS4-C (radar sensor) | 55-07525 |
| Bosch | FR5CPCCF (radar sensor) | 55-08783 |
| Bosch | LRR3 (radar sensor) | 55-08334 |
| Bosch | MRR1Rear (radar sensor) | 55-08333 |
| Bosch | MRRe14FCR (radar sensor) | 55-08395 |
| Bosch | F5CP12 (radar sensor) | 55-12854 |
| Bosch | MBCI2LS3PR1 (head unit) | 51-91228 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Bosch | MBCI2LS4PR1 (head unit) | 51-91226 |
| Continental Antenna | RKE213E1 (antenna amplifier) | 56-10830 |
| Continental Antenna | RKE223E1GNS (antenna amplifier) | 51-97825 |
| Continental Automotive | D-WMI2017B (control unit) | 51-75654 |
| Continental Automotive | D-WMI2017A (control unit) | 51-75367 |
| Continental Automotive | D-WMI2016A (control unit) | 55-08177 |
| Continental Automotive | D-WMI2020A (control unit) | 55-08179 |
| Continental Automotive | RKE213E1 (Antennenverstärker) | 55-13929 |
| Continental Automotive | RKE223E1GNS (Antennenverstärker) | 51-97825 |
| Continental Automotive | CMKG1 (Schließsystem) | 51-87871 |
| Continental Automotive | CMKG2 (Schließsystem) | 51-92059 |
| Continental Automotive | CMKG3 (Schließsystem) | 56-10932 |
| Continental Automotive | MARS Keyless (Schließsystem) | 56-04831 |
| Continental Automotive Technologies | NTG7Q MID LF2 (head unit) | 51-90718 |
| Continental Automotive Technologies | NTG7Q HIGH LF2 (head unit) | 51-90717 |
| Continental Automotive Technologies | NTG7Q PREMIUM LF2 (head unit) | 51-90719 |
| Harman Becker | NTG7 HIGH-IL (Headunit) | 51-89476 |
| Harman Becker | NTG7 PREMIUMPLUS-IL (Headunit) | 51-89475 |
| HELLA | DM4 (locking system) | 55-14271 |
| HELLA | RS6 (locking system) | 51-98663 |
| Hirschmann | 920287A (locking system) | 51-62759 |
| Hirschmann | 920287B (locking system) | 51-49357 |
| Hirschmann | 920702A (locking system) | 56-03806 |
| Huf Baolong | TSSRE4A (tire pressure sensor) | 63-63571 |
| Huf Baolong | TSSSG4G6b (tire pressure monitoring system control unit) | 63-66757 |
| HUF | HUF13145 (locking system) | 55-14153 |
| MARQUARDT | DC12A (locking system) | 55-13847 |
| MARQUARDT | DC12B (locking system) | 55-12215 |
| MARQUARDT | DC12K (locking system) | 55-12214 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| MARQUARDT | MS2 (locking system) | 51-85192 |
| MARQUARDT | MS5 (locking system) | 51-86840 |
| MARQUARDT | MS6 (locking system) | 56-03065 |
| MARQUARDT | MS7 (locking system) | 56-07888 |
| MARQUARDT | 3350.38 (locking system) | 55-14331 |
| MARQUARDT | MK1 (locking system) | 51-94449 |
| MARQUARDT | MK2 (locking system) | 51-94450 |
| MARQUARDT | MK3 (locking system) | 56-03260 |
| MARQUARDT | MU3 (locking system) | 51-97974 |
| MARQUARDT | MUB1 (locking system) | 56-07889 |
| Schrader | AG3PF4 (tire pressure sensor) | 51-78338 |
| Schrader | AG5SP4 (tire pressure sensor) | 51-73152 |
| Schrader | BG3FP4 (tire pressure sensor) | 51-77898 |
| Schrader | DG6W2D4 (tire pressure sensor) | 51-64111 |
| Schrader | GG4T (tire pressure sensor) | 55-09441 |
| Schrader | MC34MA4 (tire pressure monitoring system control unit) | 51-29611 |
| Schrader | MFR (tire pressure monitoring system control unit) | 55-06040 |
| Schrader | MFR3 (tire pressure monitoring system control unit) | 51-79817 |
| Valeo | ARTEMIS-SUB-01 (locking system) | 56-10662 |
| Veoneer | 77V12BSM (radar sensor) | 55-08176 |
| Veoneer | 77V12CRN (radar sensor) | 55-08301 |
| WITTE-Velbert | SDHTAG3NFC (locking system) | 55-12216 |
| Vitesco | HFA30 (radar sensor) | 56-01011 |

## JAMAICA

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation |
|---|---|
| | This product has been Type Approved by Jamaica: |
| Continental Automotive | CMKG1 (locking system) |
| Continental Automotive | CMKG2 (locking system)<br>SMA – CMKG2 |
| Continental Automotive | CMKG3 (locking system)<br>SMA – CMKG3 |
| Continental Automotive | RKE213E1 (antenna amplifier) |
| Continental Automotive | RKE223E1GNS (antenna amplifier) |
| Continental Automotive | MARS Keyless (locking system) |

| Manufacturer | Model designation |
|---|---|
| Hirschmann | 920287A (locking system) |
| Hirschmann | 920287B (locking system) |
| Hirschmann | 920702A (locking system) |
| HELLA | DM4 (locking system) |
| HUF | HUF13145 (locking system) |
| MARQUARDT | DC12A (locking system) |
| MARQUARDT | DC12B (locking system) |
| MARQUARDT | DC12K (locking system) |
| MARQUARDT | MS2 (locking system) |
| MARQUARDT | MS4 (locking system) |
| MARQUARDT | MS5 (locking system) |
| MARQUARDT | MS6 (locking system)<br>SMA – MS6 |
| MARQUARDT | MS7 (locking system)<br>SMA – MS7 |
| MARQUARDT | MK1 (locking system) |
| MARQUARDT | MK2 (locking system) |
| MARQUARDT | MK3 (locking system)<br>SMA – MK3 |
| MARQUARDT | MU3 (locking system)<br>SMA – MU3 |
| MARQUARDT | MUB1 (locking system)<br>SMA – MUB1 |
| MARQUARDT | 3350.38 (locking system) |
| WITTE-Velbert | SDHTAG3NFC (locking system) |
| Valeo | ARTEMIS-SUB-01 (locking system)<br>SMA – ARTEMIS-SUB-01 |
| Vitesco | HFA30 (radar sensor) |

## JAPAN

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental Automotive | CMKG2 (locking system) | TMWK2211004648KR |
| Continental Automotive Technologies | NTG7Q HIGH LF2 (head unit) | 003-230113 |
| Continental Automotive Technologies | NTG7Q PREMIUM LF2 (head unit) | 003-230112 |
| MARQUARDT | MS6 (locking system) | 204-A00043 |
| Sennheiser | M3IETW2R (Earbud) | 201-190814 (R) |
| Sennheiser | M3IETW2L (Earbud) | 201-190815 (L) |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Sennheiser | BTT100 (Bluetooth Audio Transmitter) | 020-180077 |
| Vitesco | HFA30 (radar sensor) | 209-J00495 |

### Additional specific information

ARTEMIS and MB - 4G eCall Box:

This device has been approved in accordance with Japanese Radio Law and with Japanese Telecommunications Business Law.

This device may not undergo any modifications, otherwise the designation number assigned to this product will be rendered null and void.

### JORDAN

### REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental Antenna | RKE213E1 (antenna amplifier) | TRC/34/7421/2023 |
| Continental Antenna | RKE223E1GNS (antenna amplifier) | TRC/36/7494/2020 |
| Continental Automotive | CMKG1 (Schließsystem) | T/4/11/11/6775 |
| Continental Automotive | CMKG2 (Schließsystem) | TRC/19/11374/2023 |
| Continental Automotive | CMKG3 (Schließsystem) | TRC/34/16025/2024 |
| Continental Automotive | MARS Keyless (Schließsystem) | TRC/34/11448/2023 |
| Gentex | MUAHL5 (convenience system) | T/4/11/11/8462 |
| HELLA | DM4 (locking system) | T/4/11/11/5472 |
| Hirschmann | 920287A (locking system) | T/4/11/11/10883 |
| Hirschmann | 920287B (locking system) | T/4/11/11/10332 |
| Hirschmann | 920702A (locking system) | TRC/34/9770/2022 |
| HUF | HUF13145 (locking system) | T/4/11/11/2242 |
| HUF | HUF14632 (locking system) | T/4/11/11/4355 |
| MARQUARDT | DC12A (locking system) | T/4/11/11/933 |
| MARQUARDT | DC12B (locking system) | T/4/11/11/9429 |
| MARQUARDT | DC12K (locking system) | T/4/11/11/9430 |
| MARQUARDT | MS2 (locking system) | T/4/11/11/6493 |
| MARQUARDT | MS4 (locking system) | T/4/11/11/6493 |
| MARQUARDT | MS5 (locking system) | T/4/11/11/3509 |
| MARQUARDT | MS7 (locking system) | TRC/34/14099/2024 |
| MARQUARDT | 3350.38 (locking system) | TRC/34/12899/2023 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| MARQUARDT | MK1 (locking system) | TRC/34/7629/2020 |
| MARQUARDT | MK2 (locking system) | TRC/34/7630/2020 |
| MARQUARDT | MK3 (locking system) | TRC/34/13651/2024 |
| MARQUARDT | MU3 (locking system) | TRC/34/12770/2023 |
| MARQUARDT | MUB1 (locking system) | TRC/34/14013/2024 |
| Valeo | ARTEMIS-SUB-01 (locking system) | TRC/34/13621/2023 |
| WITTE-Velbert | SDHTAG3NFC (locking system) | T/4/11/11/2635 |

## CANADA

### REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental Automotive | CMKG2 (locking system) | IC: 7812D-CMKG2 |
| Continental Automotive Technologies | NTG7Q MID LF2 (head unit) | IC: NTG7QMIDLF2 |
| Continental Automotive Technologies | NTG7Q HIGH LF2 (head unit) | IC: NTG7QHIGLF2 |
| Continental Automotive Technologies | NTG7Q PREMIUM LF2 (head unit) | IC: NTG7QPREF2 |
| MARQUARDT | MS6 (locking system) | IC: 2701A-MS6 |
| Sennheiser | M3IETW2R (Earbud) | IC:2099A-M3IETW2R |
| Sennheiser | M3IETW2L (Earbud) | IC:2099A-M3IETW2L |
| Sennheiser | BTT100 (Bluetooth Audio Transmitter) | IC:2099A-BTT100 |
| Sennheiser | M3IETW2 C (Charging Case) | CAN ICS-3(B)/NMB-3(B) |
| Vitesco | HFA30 (Radarsensor) | 28616-HFA30 |

## KUWAIT

### REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| HUF | HUF13145 (locking system) | Ref. 5873 |
| Continental Automotive | CMKG2 (locking system) | Ref. 6716 |
| Sennheiser | M3IETW2 (Momentum True Wireless 2) | Ref. 4870 |
| Sennheiser | BTT100 (Bluetooth Audio Transmitter) | Ref. 4871 |
| Vitesco | HFA30 (radar sensor) | Ref. 7272 |

## MALAYSIA

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental ADC | ARS6-A (radar sensor) | HIDF15000153 |
| Continental ADC | ARS4-C (radar sensor) | HIDF15000153 |
| Bosch | FR5CPCCF (radar sensor) | CIDF15000490 |
| Bosch | LRR3 (radar sensor) | CIDF15000490 |
| Bosch | MRR1Rear (radar sensor) | CIDF15000490 |
| Bosch | MRRe14FCR (radar sensor) | CIDF15000490 |
| Bosch | MRRevo14F (radar sensor) | CIDF15000490 |
| Bosch | F5CP12 (radar sensor) | RGLN/30A/0522/S(22-2490) |
| Continental Antenna | RKE213E1 (antenna amplifier) | HIDF15000153 |
| Continental Antenna | RKE223E1GNS (antenna amplifier) | HIDF16000136 |
| Continental Antenna | 2032V00ME1 (antenna amplifier) | HIDF19000133 |
| Continental Automotive | CMKG1 (locking system) | HIDF15000153 |
| Continental Automotive | CMKG2 (locking system) | HIDF15000153 |
| Continental Automotive | CMKG3 (locking system) | HIDF15000153 |
| Continental Automotive | MARS Keyless (locking system) | CIDF15000578 |
| Continental Automotive | UWBTRX1 (locking system) | HIDF15000153 |
| Continental Automotive | D-WMI2020A (control unit) | RGEZ/12A/1019/S(19-4128) |
| Continental Automotive Technologies | NTG7Q MID LF2 (head unit) | RCCT/92G/0423/S(23-0350) |
| Continental Automotive Technologies | NTG7Q HIGH LF2 (head unit) | CCT/91G/0323/S(23-1291) |
| Continental Automotive Technologies | NTG7Q PREMIUM LF2 (head unit) | RGQB/05A/0323/S(23-1293) |
| HELLA | DM4 (locking system) | RDDK/41A/0717/S(17-2269) |
| HELLA | RS6 (locking system) | CIDF15000578 |
| Hirschmann | 920287A (locking system) | RAUU/63A/0311/S(11-0432) |
| Hirschmann | 920287B (locking system) | RAUU/22C/0615/S(15-1864) |
| Hirschmann | 920702A (locking system) | HIDF15000153 |
| Huf Baolong | TSSRE4A (tire pressure sensor) | HIDF15000153 |
| HUF | HUF13482 (locking system) | HIDF15000153 |
| HUF | HUF13145 (locking system) | RFBY/09A/0422/S(22-1843) |
| HUF | HUF14632 (locking system) | RAYN/25A/0715/S(15-2385) |
| HUF | HUF4761 (locking system) | RAAU/16B/1112/S(12-2053) |
| MARQUARDT | DC12A (locking system) | RDDK/33A/0317/S(17-0669) |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| MARQUARDT | DC12B (locking system) | RAUU/62A/0311/S(11-0263) |
| MARQUARDT | DC12K (locking system) | RAUU/62A/0311/S(11-0264) |
| MARQUARDT | MS2 (locking system) | RDDK/31A/0217/S(17-0405) |
| MARQUARDT | MS4 (locking system) | RDDK/25B/1019/S(19-0943) |
| MARQUARDT | MS5 (locking system) | RGLO/02A/0720/S(20-2580) |
| MARQUARDT | MS6 (locking system) | CIDF19000029 |
| MARQUARDT | MS7 (locking system) | CIDF19000029 |
| MARQUARDT | MK1 (locking system) | CIDF19000029 |
| MARQUARDT | MK2 (locking system) | CIDF19000029 |
| MARQUARDT | MK3 (locking system) | CIDF19000029 |
| MARQUARDT | MU3 (locking system) | CIDF19000029 |
| MARQUARDT | MUB1 (locking system) | CIDF19000029 |
| MARQUARDT | 3350.38 (locking system) | CIDF19000029 |
| Meta System | ITS/TPS (interior protection) | RAVG/18Q/0212/S(11-2068) |
| Meta System | MUW II (interior protection) | RAVG/17Q/0212/S(11-2067) |
| Schrader | AG5SP4 (tire pressure sensor) | RCDD/03A/0615/S(19-2094) |
| Schrader | AG3PF4 (tire pressure sensor) | RBEF/28A/0419/S/(19-1542) |
| Schrader | BG3FP4 (tire pressure sensor) | RBEF/51A/0121/S/(20-5642) |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Schrader | GG4T (tire pressure sensor) | RBEF/09A/1017/S(17-3183) |
| Schrader | DG6W2D4 (tire pressure sensor) | RBEF/09A/1017/S(17-3183) |
| Schrader | MFR (tire pressure monitoring system control unit) | RAQP/62A/0419/S(19-1694) |
| Schrader | MFR3 (tire pressure monitoring system control unit) | RAQP/62A/0419/S(19-1694) |
| Veoneer | 77GHz MMRV1 (radar sensor) | HIDF15000153 |
| Veoneer | 77V12BSM (radar sensor) | HIDF15000153 |
| Veoneer | 77V12CRN (radar sensor) | HIDF15000153 |
| Veoneer | 77V125CRN (radar sensor) | HIDF15000153 |
| WITTE-Velbert | SDHTAG3NFC (locking system) | RDDK/43B/0420/S(20-1749) |
| Vitesco | HFA30 (radar sensor) | RGZK/03A/1223/S(23-5530) |

## MOROCCO

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| | | AGREE PAR L'ANRT MAROC |
| Continental ADC | ARS4-A (radar sensor) | MR 9490 ANTR 2024-04-23 |
| Continental ADC | ARS4-B (radar sensor) | MR 9778 ANTR 2024-08-08 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental ADC | ARS6-A (radar sensor) | MR 00033936 ANRT 2022-08-03 |
| Continental ADC | ARS4-C (radar sensor) | MR 20231 ANRT 2019-06-27 |
| Continental ADC | ARS441DP10 (radar sensor) | MR 20231 ANRT 2019-06-27 |
| Bosch | FR5CPCCF (radar sensor) | MR 20575 ANRT 2019-07-29 |
| Bosch | LRR3 (radar sensor) | MR 5371 ANRT 2010 2019-12-05 |
| Bosch | MRR1Rear (radar sensor) | MR 9186 ANTR 2014-04-22 |
| Bosch | MRRe14FCR (radar sensor) | MR 13900 ANTR 2017-05-04 |
| Bosch | F5CP12 (radar sensor) | MR00032137ANRT2022 |
| Continental Antenna | RKE213E1 (antenna amplifier) | MR 10631 ANTR 2015-07-16 |
| Continental Antenna | RKE223E1GNS (antenna amplifier) | MR 21174 ANTR 2019-10-14 |
| Continental Antenna | 2032V00ME1 (antenna amplifier) | MR00005051ANTR2024 |
| Continental Automotive | CMKG1 (locking system) | MR 21701 ANTR 2019-12-05 |
| Continental Automotive | CMKG2 (locking system) | MR 36542 ANRT 2023-02-01 |
| Continental Automotive | CMKG3 (locking system) | MR 00004622 ANRT 2024-10-23 |
| Continental Automotive | MARS Keyless (locking system) | MR 13681 ANTR 2017-04-04 |
| Continental Automotive | UWBTRX1 (locking system) | MR 623 ANTR 2024-02-14 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| HELLA | DM4 (locking system) | MR 14426 ANTR 2017-07-28 |
| Hirschmann | 920287A (locking system) | MR 6700 ANTR 2011-11-16 |
| Hirschmann | 920287B (locking system) | MR 7260 ANTR 2012-06-13 |
| Hirschmann | 920702A (locking system) | MR 32214 ANTR 2022-03-08 |
| Huf Baolong | TSSRE4A (tire pressure monitoring system control unit) | MR 14320 ANTR 2017-07-07 |
| Huf Baolong | TSSSG4G6b (tire pressure monitoring system control unit) | MR 19561 ANTR 2019-04-26 |
| HUF | HUF13482 (locking system) | MR 3374 ANRT 2024-07-31 |
| HUF | HUF13145 (locking system) | MR 32395 ANRT 2022-03-24 |
| HUF | HUF14632 (locking system) | MR 10506 ANTR 2015-06-22 |
| HUF | HUF4761 (locking system) | MR 7829 ANTR 2013-02-14 |
| MARQUARDT | DC12A (locking system) | MR 13429 ANTR 2017-03-03 |
| MARQUARDT | DC12B (locking system) | MR 6698 ANTR 2021-11-04 |
| MARQUARDT | DC12K (locking system) | MR 6699 ANTR 2021-11-04 |
| MARQUARDT | MS2 (locking system) | MR 13300 ANTR 2017-02-15 |
| MARQUARDT | MS4 (locking system) | MR 19199 ANTR 2019-03-25 |
| MARQUARDT | MS5 (locking system) | MR 23805 ANRT 2020-04-22 |
| MARQUARDT | MS6 (locking system) | MR 00000358 ANRT 2024-01-30 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| MARQUARDT | MS7 (locking system) | MR 00001197 ANTR 2024-03-25 |
| MARQUARDT | MK1 (locking system) | MR 10645 ANTR 2015-07-21 |
| MARQUARDT | MK2 (locking system) | MR 10987 ANTR 2015-10-22 |
| MARQUARDT | MK3 (locking system) | MR 00041098 ANTR 2023-12-25 |
| MARQUARDT | MU3 (locking system) | MR 00039580 ANTR 2023-08-08 |
| MARQUARDT | 3350.38 (locking system) | MR 18817 ANTR 2019-02-12 |
| MARQUARDT | MUB1 (locking system) | MR 00000864 ANTR 2024-02-29 |
| Schrader | AG5SP4 (tire pressure monitoring system control unit) | MR 10216 ANRT 2015 |
| Schrader | AG3PF4 (tire pressure sensor) | MR 19241 ANRT 2019 |
| Schrader | BG3FP4 (tire pressure sensor) | MR00026829ANRT2020 |
| Schrader | MFR (tire pressure monitoring system control unit) | MR 10927 ANRT 2015 |
| Schrader | MFR3 (tire pressure monitoring system control unit) | MR 19527 ANRT 2019 |
| Schrader | GG4T (tire pressure sensor) | MR 14777 ANRT 2017-09-20 |
| Schrader | DG6W2D4 (tire pressure sensor) | MR 16355 ANRT 2018-04-19 |
| Schrader | MC34MA4 (tire pressure monitoring system control unit) | MR 6706 ANRT 2011-11-17 |
| Veoneer | 77GHz MMRV1 (radar sensor) | MR 10436 ANRT 2015-05-25 |
| Veoneer | 77V12BSM (radar sensor) | MR 20097 ANRT 2019-06-14 |
| Veoneer | 77V12CRN (radar sensor) | MR 20149 ANRT 2019-06-19 |
| Veoneer | 77V125CRN (radar sensor) | MR 27966 ANRT 2021-03-29 |
| Valeo | ARTEMIS-SUB-01 (locking system) | MR 00000073 ANRT 2024-01-05 |
| WITTE-Velbert | SDHTAG3NFC (locking system) | MR 23310 ANRT 2020-03-10 |

## MEXICO

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental ADC | ARS4-A (radar sensor) | IFETEL: RCPCOAR14-1191 |
| Continental ADC | ARS4-B (radar sensor) | IFETEL: RLVCOAR15-0008 |
| Continental ADC | ARS6-A (radar sensor) | IFETEL: SYCOAR22-17289 |
| Continental ADC | ARS4-C (radar sensor) | IFETEL: RLVCOR19-1062 |
| Continental ADC | ARS441DP10 (radar sensor) | IFETEL: RLVCOR19-1062 |
| Bosch | LRR3 (radar sensor) | IFETEL: RCPBOLR09-0828 |
| Bosch | MRR1Rear (radar sensor) | IFETEL: RCPBOMR14-0922 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Bosch | MRRe14FCR (radar sensor) | IFETEL: RCPBOMR17-0598 |
| Continental Antenna | RKE213E1 (antenna amplifier) | IFETEL: RLVKARK15-1741 |
| Continental Antenna | RKE223E1 (antenna amplifier) | IFETEL: RLVCORK19-2174 |
| Continental Automotive | CMKG1 (locking system) | IFETEL: RCPCOCM19-2315 |
| Continental Automotive | CMKG2 (locking system) | IFETEL: COCOCM22-31003 |
| Continental Automotive | CMKG3 (locking system) | IFETEL: COCOCM24-25387 |
| Continental Automotive | MARS Keyless (locking system) | IFETEL: RLVDAMA18-1827 |
| Continental Automotive | UWBTRX1 (locking system) | IFETEL: MECOCM22-17609 |
| Continental Automotive Hungary | HNA15_01 (Ramses 1.5) (communication module) | IFETEL: MECOHN24 - 29722 |
| Continental Automotive Hungary | HNA15_02 (Ramses 1.5) (communication module) | IFETEL: MECOHN24 - 29725 |
| Continental Automotive Technologies | NTG7Q MID LF2 (head unit) | IFETEL: MEMENT23 - 12200 |
| Continental Automotive Technologies | NTG7Q HIGH LF2 (head unit) | IFETEL: MEMENT23 - 11923 |
| Continental Automotive Technologies | NTG7Q PREMIUM LF2 (head unit) | IFETEL: MEMENT23 - 12204 |
| Gentex | MUAHL5 (convenience system) | IFETEL: RCPGEMU15-0448 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| HELLA | DM4 (locking system) | IFETEL: RLVHEDM17-10 |
| Hirschmann | 920287A (locking system) | IFETEL: RLVHI9211-0472 |
| Hirschmann | 920287B (locking system) | IFETEL: RLVHI9212-0608 |
| Hirschmann | 920702A (locking system) | IFETEL: RLVHI9222-2674 |
| Huf Baolong | TSSRE4A (tire pressure sensor) | IFETEL: RLVHUTS17-0806 |
| HUF | HUF13145 (locking system) | IFETEL: RCPHUHU22-2505 |
| HUF | HUF14632 (locking system) | IFETEL: RLVHUHU15-1204 |
| HUF | HUF4761 (locking system) | IFETEL: RLVHUHU12-1587 |
| MARQUARDT | DC12A (locking system) | IFETEL: RLVMEDC17-0348 |
| MARQUARDT | DC12B (locking system) | IFETEL: RLVMContinental ADC11-0446 |
| MARQUARDT | DC12K (interior protection) | IFETEL: RLVMContinental ADC11-0446 |
| MARQUARDT | MS2 (locking system) | IFETEL: RLVMAMS17-0222 |
| MARQUARDT | MS4 (locking system) | IFETEL: RLVMAMS19-0449 |
| MARQUARDT | MS5 (locking system) | IFETEL: RLVMEMS20-0957 |
| MARQUARDT | MS6 (locking system) | IFETEL: MEMAMS24-03199 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| MARQUARDT | MS7 (locking system) | IFT MEMAMS24-22544 |
| MARQUARDT | MK1 (locking system) | IFETEL: RLVMAMK15-1042 |
| MARQUARDT | MK2 (locking system) | IFETEL: RLVMAMK15-1043 |
| MARQUARDT | MK3 (locking system) | IFT MEMAMK24-22883 |
| MARQUARDT | MU3 (locking system) | IFT MEMAMU25-22726 |
| MARQUARDT | 3350.38 (locking system) | IFETEL: RCPMA3319-0530 |
| Schrader | AG5SP4 (tire pressure sensor) | IFETEL: RCPSCAG15-0627 |
| Schrader | AG3PF4 (tire pressure sensor) | IFETEL: RLVSCAG19-0705 |
| Schrader | BG3FP4 (tire pressure sensor) | IFETEL: RLVSCBG21-0750 |
| Schrader | MFR (tire pressure monitoring system control unit) | IFETEL: RLVSCMF15-0959 |
| Schrader | MFR3 (tire pressure monitoring system control unit) | IFETEL: RLVSCMF19-0777 |
| Schrader | GG4T (tire pressure sensor) | IFETEL: RLVSCGG17-1665 |
| Schrader | DG6W2D4 (tire pressure sensor) | IFETEL: RLVSCDG18-04 |
| Schrader | MC34MA4 (tire pressure monitoring system control unit) | IFETEL: RCPSCMR14-062 |
| Sennheiser | M3IETW2R (Earbud) | IFETEL: RCPSEM320-0435-A1 |
| Sennheiser | M3IETW2L (Earbud) | IFETEL: RCPSEM320-0435 |
| Sennheiser | BTT100 (Bluetooth Audio Transmitter) | IFETEL: RCPSEBT18-1407 |
| WITTE-Velbert | SDHTAG3NFC (locking system) | IFETEL: RCPWISD20-0943 |
| Vitesco | HFA30 (radar sensor) | IFETEL: ROVIHF24-02919 |

## MONGOLIA

### REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental Automotive | CMKG1 (locking system) | A19000633 |
| Continental Automotive | CMKG2 (locking system) | A23000900 |
| Continental Automotive | CMKG3 (locking system) | A24001395 |
| Continental Automotive | MARS Keyless (locking system) | A18000328 |
| HELLA | DM4 (locking system) | A18000329 |
| Hirschmann | 920702A (locking system) | A22000649 |
| HUF | HUF13145 (locking system) | A22000674 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| MARQUARDT | DC12A (locking system) | A19000400 |
| MARQUARDT | DC12B (locking system) | A19000371 |
| MARQUARDT | DC12K (locking system) | A19000372 |
| MARQUARDT | MS2 (locking system) | A18000289 |
| MARQUARDT | MS4 (locking system) | A19000516 |
| MARQUARDT | MS5 (locking system) | A20000085 |
| MARQUARDT | MS6 (locking system) | A24001213 |
| MARQUARDT | MS7 (locking system) | A24001253 |
| MARQUARDT | MK1 (locking system) | A19000374 |
| MARQUARDT | MK2 (locking system) | A19000374 |
| MARQUARDT | MK3 (locking system) | A24001205 |
| MARQUARDT | MU3 (locking system) | A23001102 |
| MARQUARDT | MUB1 (locking system) | A24001254 |
| MARQUARDT | 3350.38 (locking system) | A19000401 |
| WITTE-Velbert | SDHTAG3NFC (locking system) | A20000067 |
| Valeo | ARTEMIS-SUB-01 (locking system) | A24001183 |
| Vitesco | HFA30 (radar sensor) | A23001126 |

## NIGER

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental Antenna | RKE213E1 (antenna amplifier) | 029/ARCEP/DG/19 |
| Continental Automotive | MARS Keyless (locking system) | 083/ARCEP/DG/19 |
| HELLA | DM4 (locking system) | 082/ARCEP/DG/19 |
| Hirschmann | 920287A (locking system) | 097/ARCEP/DG/19 |
| Hirschmann | 920287B (locking system) | 098/ARCEP/DG/19 |
| HUF | HUF4761 (locking system) | 053/ARCEP/DG/19 |
| MARQUARDT | DC12A (locking system) | 010/ARCEP/DG/19 |
| MARQUARDT | DC12B (locking system) | 008/ARCEP/DG/19 |
| MARQUARDT | DC12K (locking system) | 009/ARCEP/DG/19 |
| MARQUARDT | MS2 (locking system) | 014/ARCEP/DG/19 |
| MARQUARDT | MS4 (locking system) | HOMO-0096/ARCEP/DG/2019 |
| MARQUARDT | MK1 (locking system) | 034/ARCEP/DG/19 |
| MARQUARDT | MK2 (locking system) | 035/ARCEP/DG/19 |
| MARQUARDT | 3350.38 (locking system) | 015/ARCEP/DG/19 |
| MARQUARDT | MU1 (locking system) | HOMO-0095/ARCEP/DG/2019 |

## NIGERIA

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation |
|---|---|
| Continental ADC | ARS4-A (radar sensor) |
| Continental ADC | ARS4-B (radar sensor) |
| Continental ADC | ARS6-A (radar sensor) |
| Continental ADC | ARS4-C (radar sensor) |
| Bosch | FR5CPCCF (radar sensor) |
| Bosch | MRR1Rear (radar sensor) |
| Bosch | MRRe14FCR (radar sensor) |
| Bosch | F5CP12 (radar sensor) |
| Continental Antenna | RKE213E1 (antenna amplifier) |
| Continental Antenna | RKE223E1GNS (antenna amplifier) |
| Continental Automotive | CMKG1 (locking system) |
| Continental Automotive | CMKG2 (locking system) |
| Continental Automotive | CMKG3 (locking system) |
| Continental Automotive | MARS Keyless (locking system) |
| HELLA | DM4 (locking system) |
| Hirschmann | 920287A (locking system) |
| Hirschmann | 920287B (locking system) |
| Hirschmann | 920702A (locking system) |
| HUF | HUF13145 (locking system) |
| HUF | HUF14632 (locking system) |
| HUF | HUF4761 (locking system) |
| MARQUARDT | DC12A (locking system) |
| MARQUARDT | DC12B (locking system) |
| MARQUARDT | DC12K (locking system) |
| MARQUARDT | MS2 (locking system) |
| MARQUARDT | MS4 (locking system) |
| MARQUARDT | MS5 (locking system) |
| MARQUARDT | MS6 (locking system) |
| MARQUARDT | MS7 (locking system) |
| MARQUARDT | MK1 (locking system) |
| MARQUARDT | MK2 (locking system) |
| MARQUARDT | MK3 (locking system) |
| MARQUARDT | MU3 (locking system) |
| MARQUARDT | MUB1 (locking system) |
| MARQUARDT | 3350.38 (locking system) |
| Schrader | AG3PF4 (tire pressure sensor) |
| Schrader | BG3FP4 (tire pressure sensor) |

| Manufacturer | Model designation |
|---|---|
| Schrader | MFR3 (tire pressure monitoring system control unit) |
| Valeo | ARTEMIS-SUB-01 (locking system) |
| Veoneer | 77V12BSM (radar sensor) |
| Veoneer | 77V12CRN (radar sensor) |
| Veoneer | 77V125CRN (radar sensor) |
| WITTE-Velbert | SDHTAG3NFC (locking system) |
| Vitesco | HFA30 (radar sensor) |

## OMAN

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental ADC | ARS4-A (radar sensor) | TRA/TA-R/2016/14<br>D080134 |
| Continental ADC | ARS6-A (radar sensor) | TRA/TA-R/14181/22<br>D172338 |
| Continental ADC | ARS4-C (radar sensor) | TRA/TA-R/7769/19<br>D172338 |
| Bosch | FR5CPCCF (radar sensor) | TRA/TA-R/7983/19<br>D172338 |
| Bosch | LRR3 (radar sensor) | TRA/TA-R/1049/09 |
| Bosch | MRR1Rear (radar sensor) | TRA/TA-R/1849/14 |
| Bosch | MRRe14FCR (radar sensor) | TRA/TA-R/4353/17 |
| Bosch | F5CP12 (radar sensor) | TRA/TA-R/13339/22 |
| Continental Antenna | RKE213E1 (antenna amplifier) | TRA/TA-R/2715/15<br>D090258 |
| Continental Antenna | RKE223E1GNS (antenna amplifier) | TRA/TA-R/8337/19<br>D172338 |
| Continental Antenna | 2032V00ME1 (antenna amplifier) | TRA/TA-R/20944/2025<br>D1074804 |
| Continental Automotive | CMKG1 (locking system) | TRA/TA-R/8642/19<br>D172338 |
| Continental Automotive | CMKG2 (locking system) | TRA/TA-R/15164/23<br>D100428 |
| Continental Automotive | CMKG3 (locking system) | TRA/TA-R/15164/23<br>D1054074 |
| Continental Automotive | MARS Keyless (locking system) | TRA/TA-R/20607/2024<br>D172338 |
| HELLA | DM4 (locking system) | TRA/TA-R/4548/17<br>D080134 |
| Hirschmann | 920287A (locking system) | TRA/TA-R/0210/11<br>D080353 |
| Hirschmann | 920287B (locking system) | TRA/TA-R/0655/12<br>D080353 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Hirschmann | 920702A (locking system) | TRA/TA-R/13300/22<br>D172338 |
| Huf Baolong | TSSRE4A (tire pressure sensor) | TRA/TA-R/4516/17<br>D100428 |
| Huf Baolong | TSSSG4G6b (tire pressure sensor) | TRA/TA-R/7506/19 |
| HUF | HUF13482 (locking system) | TRA/TA-R/18930/24 |
| HUF | HUF13145 (locking system) | TRA/TA-R/13465/22 |
| HUF | HUF14632 (locking system) | TRA/TA-R/2665/15 |
| HUF | HUF4761 (locking system) | TRA/TA-R/0920/12 |
| MARQUARDT | DC12A (locking system) | TRA/TA-RD/4056/17<br>D100428 |
| MARQUARDT | DC12B (locking system) | TRA/TA-R/0227/11<br>D080353 |
| MARQUARDT | DC12K (locking system) | TRA/TA-R/0228/11<br>D080353 |
| MARQUARDT | MS2 (locking system) | TRA/TA-R/4136/17<br>D080134 |
| MARQUARDT | MS4 (locking system) | TRA/TA-R/7316/19<br>D172249 |
| MARQUARDT | MS5 (locking system) | TRA/TA-R/17887/24<br>D172338 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| MARQUARDT | MS6 (locking system) | TRA/TA-R/17509/24<br>D172338 |
| MARQUARDT | MK1 (locking system) | TRA/TA-R/2848/15<br>D080353 |
| MARQUARDT | MK2 (locking system) | TRA/TA-R/2900/15<br>D080353 |
| MARQUARDT | MK3 (locking system) | TRA/TA-R/17223/23<br>D080354 |
| MARQUARDT | MU3 (locking system) | TRA/TA-R/16494/23<br>D172338 |
| MARQUARDT | 3350.38 (locking system) | TRA/TA-R/7051/19<br>D172249 |
| MARQUARDT | MUB1 (locking system) | TRA/TA-R/17721/24<br>D172338 |
| Schrader | AG5SP4 (tire pressure sensor) | TRA R/2380/15<br>D080134 |
| Schrader | AG3PF4 (tire pressure sensor) | TRA R/7287/19<br>D172338 |
| Schrader | BG3FP4 (tire pressure sensor) | TRA/TA-R/10694/20<br>D172338 |
| Schrader | MFR (tire pressure monitoring system control unit) | TRA/TA-R/7464/19<br>D090258 |
| Schrader | MFR3 (tire pressure monitoring system control unit) | TRA/TA-R/7467/19<br>D090258 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Schrader | GG4T (tire pressure sensor) | TRA/TA-R/4686/17<br>D080134 |
| Schrader | DG6W2D4 (tire pressure sensor) | TRA/TA-R/5511/18<br>D172249 |
| Sennheiser | M3IETW2R (Earbud) | TRA/TA-R/10988/21 |
| Sennheiser | BTT100 (Bluetooth Audio Transmitter) | TRA/TA-R/10976/21 |
| Veoneer | 77GHz MMRV1 (radar sensor) | TRA/TA-R/2706/15 |
| Veoneer | 77V12BSM (radar sensor) | TRA/TA-R/7706/19<br>D172338 |
| Veoneer | 77V12CRN (radar sensor) | TRA/TA-R/7707/19<br>D172338 |
| Veoneer | 77V125CRN (radar sensor) | TRA/TA-R/11335/21<br>D172338 |
| WITTE-Velbert | SDHTAG3NFC (locking system) | TRA/TA-R/9150/20 |
| Valeo | ARTEMIS-SUB-01 (locking system) | TRA/TA-R/17293/23<br>D172338 |
| Vitesco | HFA30 (radar sensor) | TRA/TA-R/17028/23<br>172338D |

## PAKISTAN

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental ADC | ARS4-A (radar sensor) | TAC NO: 9.9014/2019 |
| Continental ADC | ARS4-C (radar sensor) | TAC NO: 9.9389/2019 |
| Continental ADC | ARS6-A (radar sensor) | TAC NO: 9.666/2024 |
| Bosch | FR5CPCCF (radar sensor) | TAC NO: 9.198/2020 |
| Bosch | F5CP12 (radar sensor) | TAC NO: 9.243/2023 |
| Continental Antenna | RKE213E1 (antenna amplifier) | TAC NO: 9.142/2016 |
| Continental Antenna | RKE223E1GNS (antenna amplifier) | TAC NO: 9.100169/2019 |
| Continental Automotive | CMKG1 (locking system) | TAC NO:9.100175/2019 |
| Continental Automotive | CMKG2 (locking system) | TAC NO: 9.153/2023 |
| Continental Automotive | CMKG3 (locking system) | TAC NO: 9.1176/2024 |
| Continental Automotive | MARS Keyless (locking system) | TAC NO: 9.213/2017 |
| Continental Automotive | D-WMI2020A (control unit) | TAC NO: 9.9836/2019 |
| HELLA | DM4 (locking system) | TAC NO: 9.409/2017 |
| Hirschmann | 920287A (locking system) | TAC NO: 9.845/2013 |
| Hirschmann | 920287B (locking system) | TAC NO: 9.846/2013 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Hirschmann | 920702A (locking system) | TAC NO. 9.412/2022 |
| HUF Baolong | TSSRE4A (tire pressure sensor) | TAC NO: 9.620/2017 |
| HUF Baolong | TSSSRG4G6B (tire pressure monitoring system control unit) | TAC NO: 9.9345/2019 |
| HUF | HUF14632 (locking system) | TAC NO: 9.598/2015 |
| HUF | HUF4761 (locking system) | TAC NO: 9.790/2013 |
| MARQUARDT | DC12A (locking system) | TAC NO: 9.131/2017 |
| MARQUARDT | DC12B (locking system) | TAC NO: 9.829/2013 |
| MARQUARDT | DC12K (locking system) | TAC NO: 9.830/2013 |
| MARQUARDT | MS2 (locking system) | TAC NO: 9.133/2017 |
| MARQUARDT | MS4 (locking system) | TAC NO: 9.100171/2019 |
| MARQUARDT | MS5 (locking system) | TAC.NO: 9.322/2020 |
| MARQUARDT | MS6 (locking system) | TAC.NO: 9.94/2024 |
| MARQUARDT | MS7 (locking system) | TAC.NO: 9.322/2024 |
| MARQUARDT | MK1 (locking system) | TAC NO: 9.486/2015 |
| MARQUARDT | MK2 (locking system) | TAC NO: 9.497/2015 |
| MARQUARDT | MK3 (locking system) | TAC NO: 9.1175/2023 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| MARQUARDT | MU3 (locking system) | TAC NO: 9.1168/2023 |
| MARQUARDT | MUB1 (locking system) | TAC NO: 9.269/2024 |
| Schrader | AG3PF4 (tire pressure sensor) | TAC NO:9.039/2016 |
| Schrader | AG5SP4 (tire pressure sensor) | TAC NO:9.9167/2019 |
| Schrader | BG3FP4 (tire pressure sensor) | TAC NO:9.68/2021 |
| Schrader | GG4T (tire pressure sensor) | TAC NO:9.538/2017 |
| Schrader | DG6W2D4 (tire pressure sensor) | TAC NO: 9.789/2018 |
| Valeo | ARTEMIS-SUB-01 (locking system) | TAC NO: 9.746/2024 |
| Veoneer | 77GHz MMRV1 (radar sensor) | TAC NO: 9.9284/2019 |
| Veoneer | 77V12BSM (radar sensor) | TAC NO: 9.9391/2019 |
| Veoneer | 77V12CRN (radar sensor) | TAC NO: 9.9391/2019 |
| Veoneer | 77V125CRN (radar sensor) | TAC NO: 9.477/2021 |
| WITTE-Velbert | SDHTAG3NFC (locking system) | TAC NO: 9.527/2020 |
| Vitesco | HFA30 (radar sensor) | TAC NO: 9.1058/2023 |

## PARAGUAY

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental ADC | ARS4-A (radar sensor) | 2024-04-I-0352 |
| Continental ADC | ARS4-B (radar sensor) | 2024-08-I-0721 |
| Continental ADC | ARS6-A (radar sensor) | 2022-08-I-0513 |
| Continental ADC | ARS4-C (radar sensor) | 2019-11-I-0602 |
| Bosch | FR5CPCCF (radar sensor) | 2019-09-I-0508 |
| Bosch | MRRe14FCR (radar sensor) | 2017-06-I-0000162 |
| Bosch | MRR1Rear (radar sensor) | 2019-05-I-000236 |
| Bosch | F5CP12 (radar sensor) | 2022-05-I-0329 |
| Continental Antenna | RKE213E1 (antenna amplifier) | 2021-02-I-00101 y 2016-02-I-0000038 |
| Continental Antenna | RKE223E1GNS (antenna amplifier) | 2019-12-I-0656 |
| Continental Antenna | 2032V00ME1 (antenna amplifier) | 2024-12-I-0969 |
| Continental Automotive | CMKG1 (locking system) | 2020-02-I-0110 |
| Continental Automotive | CMKG2 (locking system) | 2023-03-I-0153 |
| Continental Automotive | CMKG3 (locking system) | 2024-12-I-0967 |
| Continental Automotive | MARS Keyless (locking system) | 2017-05-I-0000136 |
| Continental Automotive | D-WMI2016A | 2019-03-I-0170 |
| Continental Automotive | D-WMI2017A | 2019-03-I-000171 |
| Continental Automotive | D-WMI2017B | 2019-03-I-000172 |
| Continental Automotive | D-WMI2020A | 2019-11-I-0600 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| HELLA | DM4 (locking system) | 2022-06-I-0388 y 2017-08-I-0000261 |
| Hirschmann | 920287A (locking system) | 2016-5-I-000134 y 2011-06-I-0059 |
| Hirschmann | 920287B (locking system) | 2017-04-I-0000119 y 2012-05-I-0096 |
| Hirschmann | 920702A (locking system) | 2022-03-I-0149 |
| Huf Baolong | TSSRE4A (tire pressure sensor) | 2022-08-I-0528 |
| HUF | HUF13482 (locking system) | 2024-08-I-0727 |
| HUF | HUF13145 (locking system) | 2022-04-I-0235 |
| HUF | HUF14632 (locking system) | 2020-06-I-0284 y 2015-08-I-0000226 |
| HUF | HUF4761 (locking system) | 2017-12-I-0000409 y 2012-10-I-0178 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| MARQUARDT | DC12A (locking system) | 2020-12-I-0898 y 2015-06-I-0000181 |
| MARQUARDT | DC12B (locking system) | 2021-05-I-0304; 2016-5-I-000144 y 2011-06-I-0067 |
| MARQUARDT | DC12K (locking system) | 2021-05-I-0305; 2016-5-I-000143 y 2011-06-I-0068 |
| MARQUARDT | MS2 (locking system) | 2017-04-I-0000101 |
| MARQUARDT | MS4 (locking system) | 2019-10-I-0581 |
| MARQUARDT | MS5 (locking system) | 2020-08-I-0604 |
| MARQUARDT | MS6 (locking system) | 2024-02-I-0164 |
| MARQUARDT | MS7 (locking system) | 2024-05-I-0400 |
| MARQUARDT | MK1 (locking system) | 2020-07-I-0390 y 2015-07-I-0000200 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| MARQUARDT | MK2 (locking system) | 2020-07-I-0391 y 2015-07-I-0000201 |
| MARQUARDT | MK3 (locking system) | 2024-03-I-0256 |
| MARQUARDT | MU3 (locking system) | 2023-08-I-0590 |
| MARQUARDT | MUB1 (locking system) | 2024-05-I-0401 |
| MARQUARDT | 3350.38 (locking system) | 2024-02-I-0190 y 2019-04-I-000216 |
| Schrader | AG5SP4 (tire pressure sensor) | 2015-04-I-0000150 |
| Schrader | AG3PF4 (tire pressure sensor) | 2019-05-1-000261 |
| Schrader | BG3FP4 (tire pressure sensor) | 2021-02-I-0063 |
| Schrader | GG4T (tire pressure sensor) | 2020-02-1-0044 |
| Schrader | DG6W2D4 (tire pressure sensor) | 2019-11-1-0632 |
| Veoneer | 77GHz MMRV1 (radar sensor) | 2020-07-I-0510 |
| Veoneer | 77V12BSM (radar sensor) | 2019-07-I-0399 |
| Veoneer | 77V12CRN (radar sensor) | 2019-07-I-0398 |
| Veoneer | 77V125CRN (radar sensor) | 2021-04-I-0188 |
| Vitesco | HFA30 (radar sensor) | 2023-11-I-0808 |
| Valeo | ARTEMIS-SUB-01 (locking system) | 2024-01-I-0074 |
| WITTE-Velbert | SDHTAG3NFC (locking system) | 2020-06-I-0326 |

## Additional specific information

### Charging unit for the wireless charging of mobile communication devices (WMI):

D-WMI2020A:

This vehicle is equipped with the following radio frequency component approved by CONATEL – Paraguay: wireless interface for mobile devices, Continental brand, model D-WMI2020A, manufactured by Continental Automotive GmbH.

Radio equipment approval number: 2019-11-I-0600

**Rear Seat Entertainment System:**

DAIRSE:

Importer: Condor S.A.C.I Casa Central, J.B. Gorostiaga 315 y Guaraníes, Asunción, Paraguay, (595 21) 569 7000, sac@condor.com.py

**PHILIPPINES**

**REGULATORY RADIO IDENTIFIERS**

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental ADC | ARS4-A (radar sensor) | ESD-1409466C |
| Continental ADC | ARS4-C (radar sensor) | ESD-1920226C |
| Bosch | FR5CPCCF (radar sensor) | ESD-1920531C |
| Bosch | MRR1Rear (radar sensor) | ESD-1408917C |
| Bosch | MRRe14FCR (radar sensor) | ESD-1716172C |
| Bosch | F5CP12 (radar sensor) | ESD-RCE-2229495 |
| Continental Antenna | RKE213E1 (antenna amplifier) | ESD-1511856C |
| Continental Antenna | RKE223E1GNS (antenna amplifier) | ESD-1921015C |
| Continental Antenna | 2032V00ME1 (antenna amplifier) | ESD-RCE-2440037 |
| Continental Automotive | CMKG1 (locking system) | ESD-2021556C |
| Continental Automotive | CMKG2 (locking system) | ESD-RCE-2332806 |
| Continental Automotive | CMKG3 (locking system) | ESD-RCE-2439937 |
| Continental Automotive | MARS Keyless (locking system) | ESD-1714865C |
| HELLA | DM4 (locking system) | ESD-1715539C |
| Hirschmann | 920287A (locking system) | ESD-1105246C |
| Hirschmann | 920287B (locking system) | ESD-1206044C |
| Hirschmann | 920702A (locking system) | ESD-RCE-2229632 |
| Huf Baolong | TSSRE4A (tire pressure sensor) | ESD-1715393C |
| HUF | HUF13145 (locking system) | ESD-RCE-2229722 |
| HUF | HUF14632 (locking system) | ESD-1511236C |
| HUF | HUF4761 (locking system) | ESD-1206521C |
| MARQUARDT | DC12A (locking system) | ESD-1714489C |
| MARQUARDT | DC12B (locking system) | ESD-1105216C |
| MARQUARDT | DC12K (locking system) | ESD-1105215C |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| MARQUARDT | MS2 (locking system) | ESD-1715652C |
| MARQUARDT | MS4 (locking system) | ESD-1919133C |
| MARQUARDT | MS5 (locking system) | ESD-REC-20437299 |
| MARQUARDT | MS7 (locking system) | ESD-2022426C |
| MARQUARDT | MK1 (locking system) | ESD-1510644C |
| MARQUARDT | MK2 (locking system) | ESD-1510645C |
| MARQUARDT | MK3 (locking system) | ESD-REC-2436842 |
| MARQUARDT | MU3 (locking system) | ESD-REC-2436843 |
| MARQUARDT | 3350.38 (locking system) | ESD-1919198C |
| MARQUARDT | MUB1 (locking system) | ESD-REC-2436916 |
| Schrader | AG5SP4 (tire pressure sensor) | ESD-1715393C |
| Schrader | AG3PF4 (tire pressure sensor) | ESD-1919585C |
| Schrader | BG3FP4 (tire pressure sensor) | ESD-RCE-2124846 |
| Schrader | GG4T (tire pressure sensor) | ESD-1715977C |
| Schrader | DG6W2D4 (tire pressure sensor) | ESD-1817081C |
| Veoneer | 77GHz MMRV1 (radar sensor) | ESD-1510921C |
| Vitesco | HFA30 (radar sensor) | ESD-RCE-2335375 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Valeo | ARTEMIS-SUB-01 (locking system) | ESD-RCE-2436285 |
| WITTE-Velbert | SDHTAG3NFC (locking system) | ESD-2022599C |

## ZAMBIA

### REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental Antenna | RKE223E1 (antenna amplifier) | ZMB/ZICTA/TA/2019/3/11 |
| Continental Automotive | MARS Keyless (locking system) | ZMB/ZICTA/TA/2019/3/3 |
| HELLA | DM4 (locking system) | ZMB/ZICTA/TA/2019/3/4 |
| Hirschmann | 920287A (locking system) | ZMB/ZICTA/TA/2019/7/12 |
| Hirschmann | 920287B (locking system) | ZMB/ZICTA/TA/2019/7/11 |
| HUF | HUF4761 (locking system) | ZMB/ZICTA/TA/2018/12/18 |
| MARQUARDT | DC12A (locking system) | ZMB/ZICTA/TA/2019/5/16 |
| MARQUARDT | DC12B (locking system) | ZMB/ZICTA/TA/2019/5/17 |
| MARQUARDT | DC12K (locking system) | ZMB/ZICTA/TA/2019/5/18 |
| MARQUARDT | MS2 (locking system) | ZMB/ZICTA/TA/2018/9/30 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| MARQUARDT | MS4 (locking system) | ZMB/ZICTA/TA/2019/7/123 |
| MARQUARDT | MK1 (locking system) | ZMB/ZICTA/TA/2019/3/20 |
| MARQUARDT | MK2 (locking system) | ZMB/ZICTA/TA/2019/3/21 |
| MARQUARDT | 3350.38 (locking system) | ZMB/ZICTA/TA/2019/3/6 |
| MARQUARDT | MU1 (locking system) | ZMB/ZICTA/TA/2019/7/124 |
| Valeo | ARTEMIS-SUB-01 (locking system) | ZMB/ZICTA/TA/2024/1/08 |

## SENEGAL

AGREE PAR ARTP SENEGAL

Numéro d'agrément : XXXXXX/AG/ER

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental Automotive | CMKG2 (locking system) | 072504/AG/ER |
| Continental Automotive | CMKG3 (locking system) | 073016/AG/ER |
| Continental Automotive Technologies | NTG7Q MID LF2 (head unit) | 072486/AG/ER |
| Continental Automotive Technologies | NTG7Q HIGH LF2 (head unit) | 072487/AG/ER |
| Continental Automotive Technologies | NTG7Q PREMIUM LF2 (head unit) | 072488/AG/ER |
| Continental Automotive Technologies | NTG7Q PREMIUMPLUS LF2 (head unit) | 072689/AG/ER |
| HUF | HUF13482 (locking system) | 072954/AG/ER |
| MARQUARDT | MK3 (locking system) | 072784/AG/ER |
| MARQUARDT | MU3 (locking system) | 072676/AG/ER |
| MARQUARDT | MS7 (locking system) | 072845/AG/ER |
| MARQUARDT | MUB1 (locking system) | 072819/AG/ER |
| Valeo | ARTEMIS-SUB-01 (locking system) | 072776/AG/ER |

## SERBIA

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental ADC | ARS4-A (radar sensor) | 011 23 |
| Continental ADC | ARS4-B (radar sensor) | 011 14 |
| Continental ADC | ARS6-A (radar sensor) | 038 22 |
| Continental ADC | ARS4-C (radar sensor) | 011 19 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Bosch | FR5CPCCF (radar sensor) | 011 19 |
| Bosch | LRR3 (radar sensor) | 011 19 |
| Bosch | MRR1Rear (radar sensor) | 011 17 |
| Bosch | MRRe14FCR (radar sensor) | 005 17 |
| Continental Antenna | RKE213E1 (antenna amplifier) | 005 24 |
| Continental Antenna | RKE223E1GNS (antenna amplifier) | 005 22 |
| Continental Antenna | 2032V00ME1 (antenna amplifier) | 005 24 |
| Continental Automotive | CMKG1 (locking system) | 005 20 |
| Continental Automotive | CMKG2 (locking system) | 005 23 |
| Continental Automotive | CMKG3 (locking system) | 005 24 |
| Continental Automotive | MARS Keyless (locking system) | 005 20 |
| Continental Automotive | NTG7 MID | 005 23 |
| Continental Automotive | NTG7 HIGH | 005 23 |
| Continental Automotive | NTG7 PREMIUM | 005 23 |
| Continental Automotive | NTG7 PREMIUM PLUS | 005 23 |
| Continental Automotive Technologies | NTG7Q MID LF2 (head unit) | 005 23 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental Automotive Technologies | NTG7Q HIGH LF2 (head unit) | 005 23 |
| Continental Automotive Technologies | NTG7Q PREMIUM LF2 (head unit) | 005 23 |
| HELLA | DM4 (locking system) | 005 20 |
| Hirschmann | 920287A (locking system) | 005 18 |
| Hirschmann | 920287B (locking system) | 005 18 |
| Hirschmann | 920702A (locking system) | 005 22 |
| Huf Baolong | TSSRE4A (tire pressure sensor) | 005 20 |
| HUF | HUF13482 (locking system) | 005 24 |
| HUF | HUF13145 (locking system) | 005 22 |
| HUF | HUF14632 (locking system) | 005 21 |
| HUF | HUF4761 (locking system) | 005 21 |
| MARQUARDT | DC12A (locking system) | 005 20 |
| MARQUARDT | DC12B (locking system) | 005 20 |
| MARQUARDT | DC12K (locking system) | 005 20 |
| MARQUARDT | MS2 (locking system) | 011 17 |
| MARQUARDT | MS4 (locking system) | 005 19 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| MARQUARDT | MS5 (locking system) | 005 24 |
| MARQUARDT | MS6 (locking system) | 005 24 |
| MARQUARDT | MS7 (locking system) | 005 24 |
| MARQUARDT | MK1 (locking system) | 005 24 |
| MARQUARDT | MK2 (locking system) | 005 24 |
| MARQUARDT | MK3 (locking system) | 005 24 |
| MARQUARDT | MU3 (locking system) | 005 23 |
| MARQUARDT | 3350.38 (locking system) | 005 22 |
| MARQUARDT | MUB1 (locking system) | 005 24 |
| Meta System | MUW II (interior protection) | 011 19 |
| Schrader | AG5SP4 (tire pressure sensor) | 005 15 |
| Schrader | AG3PF4 (tire pressure sensor) | 005 15 |
| Schrader | BG3FP4 (tire pressure sensor) | 005 20 |
| Schrader | GG4T (tire pressure sensor) | 005 17 |
| Schrader | DG6W2D4 (tire pressure sensor) | 005 18 |
| Schrader | MC34MA4 (tire pressure monitoring system control unit) | 011 11 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Valeo | ARTEMIS-SUB-01 (locking system) | 011 18 |
| Veoneer | 77GHz MMRV1 (radar sensor) | 005 24 |
| Veoneer | 77V12BSM (radar sensor) | 011 19 |
| Veoneer | 77V12CRN (radar sensor) | 011 19 |
| Veoneer | 77V125CRN (radar sensor) | 038 21 |
| Vitesco | HFA30 (radar sensor) | 011 |
| WITTE-Velbert | SDHTAG3NFC (locking system) | 005 20 |

## SINGAPORE

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| | | Complies with IMDA Standards |
| Continental ADC | ARS4-A (radar sensor) | DA103365 |
| Continental ADC | ARS4-B (radar sensor) | DA103365 |
| Continental ADC | ARS6-A (radar sensor) | DA103365 |
| Continental ADC | ARS4-C (radar sensor) | DA103365 |
| Bosch | FR5CPCCF (radar sensor) | DA103365 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Bosch | LRR3 (radar sensor) | DA103365 |
| Bosch | MRR1Rear (radar sensor) | DA103365 |
| Bosch | MRRe14FCR (radar sensor) | DA103365 |
| Bosch | F5CP12 (radar sensor) | N3827-22 |
| Continental Antenna | RKE213E1 (antenna amplifier) | DA105282 |
| Continental Antenna | RKE223E1GNS (antenna amplifier) | DA107248 |
| Continental Antenna | 2032V00ME1 (antenna amplifier) | DA103787 |
| Continental Automotive | CMKG1 (locking system) | DA103365 |
| Continental Automotive | CMKG2 (locking system) | DB106440 |
| Continental Automotive | CMKG3 (locking system) | DB106440 |
| Continental Automotive | MARS Keyless (locking system) | DA105282 |
| Continental Automotive | UWBTRX1 (locking system) | DB107091 |
| Continental Automotive | D-WMI2020A (control unit) | DA103365 |
| Continental Automotive Technologies | NTG7Q MID LF2 (head unit) | DA105282 |
| Continental Automotive Technologies | NTG7Q HIGH LF2 (head unit) | DA105282 |
| Continental Automotive Technologies | NTG7Q PREMIUM LF2 (head unit) | DA105282 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Harman Becker | HERMES 3.0 (communication module) | DB107091 |
| HELLA | DM4 (locking system) | DA103365<br>N3308-22 |
| Hirschmann | 920287A (locking system) | DA103365 |
| Hirschmann | 920287B (locking system) | DA103365 |
| Hirschmann | 920702A (locking system) | DA105282 |
| HUF | HUF13482 (locking system) | DB105654 |
| HUF | HUF13145 (locking system) | N2197-22 |
| HUF Baolong | TSSRE4A (tire pressure sensor) | DA30668 |
| HUF Baolong | TSSSG4G6b (tire pressure sensor) | DA28467 |
| HUF | HUF14632 (locking system) | DA105282 |
| HUF | HUF4761 (locking system) | DA103365 |
| MARQUARDT | DC12A (locking system) | DA103787 |
| MARQUARDT | DC12B (locking system) | DA103365 |
| MARQUARDT | DC12K (locking system) | DA103365 |
| MARQUARDT | MS2 (locking system) | DA103787 |
| MARQUARDT | MS4 (locking system) | DA103787 |
| MARQUARDT | MS6 (locking system) | DA103787 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| MARQUARDT | MS7 (locking system) | DB103787 |
| MARQUARDT | MK1 (locking system) | DA103365 |
| MARQUARDT | MK2 (locking system) | DA103365 |
| MARQUARDT | MK3 (locking system) | DA103787 |
| MARQUARDT | MU3 (locking system) | DA103787 |
| MARQUARDT | MBU1 (locking system) | DA103787 |
| MARQUARDT | 3350.38 (locking system) | DB107091 |
| Meta System | ITS/TPS (interior protection) | DA103365 |
| Meta System | MUW II (interior protection) | DA103365 |
| Schrader | AG5SP4 (tire pressure sensor) | DA103787 |
| Schrader | AG3PF4 (tire pressure sensor) | DA107968 |
| Schrader | BG3FP4 (tire pressure sensor) | DA103365 |
| Schrader | GG4T (tire pressure sensor) | DA105282 |
| Schrader | DG6W2D4 (tire pressure sensor) | DA105282 |
| Veoneer | 77GHz MMRV1 (radar sensor) | DA103365 |
| Veoneer | 77V12BSM (radar sensor) | DA103365 |
| Veoneer | 77V12CRN (radar sensor) | DA103365 |
| Veoneer | 77V125CRN (radar sensor) | DA103365 |
| Vitesco | HFA30 (radar sensor) | N4949-23 |
| WITTE-Velbert | SDHTAG3NFC (locking system) | DA107248 |

## SOUTH AFRICA

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental ADC | ARS4-A (radar sensor) | TA-2014/1637 |
| Continental ADC | ARS4-B (radar sensor) | TA-2014/1783 |
| Continental ADC | ARS6-A (radar sensor) | TA-2022/1837 |
| Continental ADC | ARS4-C (radar sensor) | TA-2019/1595 |
| Bosch | FR5CPCCF (radar sensor) | TA-2019/1200 |
| Bosch | MRR1Rear (radar sensor) | TA-2014/212 |
| Bosch | MRRe14FCR (radar sensor) | TA-2017/2013 |
| Bosch | LRR3 (radar sensor) | TA-2009/464 |
| Bosch | F5CP12 (radar sensor) | TA-2022/0153 |
| Continental Antenna | RKE213E1 (antenna amplifier) | TA-2015/1438 |
| Continental Antenna | RKE223E1 (antenna amplifier) | TA-2020/043 |
| Continental Automotive | CMKG1 (locking system) | TA-2019/5405 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental Automotive | CMKG2 (locking system) | TA-2022/3611 |
| Continental Automotive | CMKG3 (locking system) | TA-2024/2844 |
| Continental Automotive | MARS Keyless (locking system) | TA-2016/3500 |
| Continental Automotive | UWBTRX1 (locking system) | TA-2021/3460 |
| Continental Automotive Technologies | NTG7Q MID LF2 (head unit) | TA-2023/0091 |
| Continental Automotive Technologies | NTG7Q HIGH LF2 (head unit) | TA-2023/0111 |
| Continental Automotive Technologies | NTG7Q PREMIUM LF2 (head unit) | TA-2023/0090 |
| Gentex | MUAHL5 (convenience system) | TA-2015/1386 |
| HELLA | DM4 (locking system) | TA-2017/2518 |
| Hirschmann | 920287A (locking system) | TA-2011/374 |
| Hirschmann | 920287B (locking system) | TA-2013/1262 |
| Hirschmann | 920702A (locking system) | TA-2022/0162 |
| Huf Baolong | TSSRE4A (tire pressure sensor) | TA-2017/1393 |
| Huf Baolong | TSSSG4G6b (tire pressure sensor) | TA-2019/1440 |
| HUF | HUF13482 (locking system) | TA-2024/2001 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| HUF | HUF13145 (locking system) | TA-2022/0375 |
| HUF | HUF14632 (locking system) | TA-2015/1077 |
| HUF | HUF4761 (locking system) | TA-2012/1543 |
| Meta System | ITS Master (interior protection) | TA-2011/1636 |
| Meta System | ITS Sensor (interior protection) | TA-2011/1227 |
| Meta System | MUW II (interior protection) | TA-2019/261 |
| MARQUARDT | DC12A (locking system) | TA-2017/312 |
| MARQUARDT | DC12B (locking system) | TA-2011/370 |
| MARQUARDT | DC12K (locking system) | TA-2012/1542 |
| MARQUARDT | MS2 (locking system) | TA-2016/3314 |
| MARQUARDT | MS4 (locking system) | TA-2019/843 |
| MARQUARDT | MS5 (locking system) | TA-2020/5765 |
| MARQUARDT | MS6 (locking system) | TA-2023/3673 |
| MARQUARDT | MS7 (locking system) | TA-2024/1232 |
| MARQUARDT | MK1 (locking system) | TA-2015/179 |
| MARQUARDT | MK2 (locking system) | TA-2015/180 |
| MARQUARDT | MK3 (locking system) | TA-2024/0439 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| MARQUARDT | 3350.38 (locking system) | TA-2018/3985 |
| MARQUARDT | MU3 (locking system) | TA-2023/1835 |
| MARQUARDT | MUB1 (locking system) | TA-2024/0505 |
| Schrader | AG5SP4 (tire pressure sensor) | TA-2015/072 |
| Schrader | AG3PF4 (tire pressure sensor) | TA-2019-133 |
| Schrader | BG3FP4 (tire pressure sensor) | TA-2020/7731 |
| Schrader | MFR (tire pressure monitoring system control unit) | TA-2019/273 |
| Schrader | MFR3 (tire pressure monitoring system control unit) | TA-2019-273 |
| Schrader | GG4T (tire pressure sensor) | TA-2017/3884 |
| Schrader | DG6W2D4 (tire pressure sensor) | TA-2017/2933 |
| Schrader | MC34MA4 (tire pressure monitoring system control unit) | TA-2011/1370 |
| Veoneer | 77GHz MMRV1 (radar sensor) | TA-2015/2087 |
| Veoneer | 77V12BSM (radar sensor) | TA-2019/1380 |
| Veoneer | 77V12CRN (radar sensor) | TA-2019/1382 |
| Veoneer | 77V125CRN (radar sensor) | TA-2021/0150 |
| Vitesco | HFA30 (radar sensor) | TA-2023/2469 |
| WITTE-Velbert | SDHTAG3NFC (locking system) | TA-2020/055 |

## SOUTH KOREA

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental Antenna | RKE223E1 (antenna amplifier) | R-C-Ca3-RKE223E1 |
| Continental Automotive | CMKG2 (locking system) | R-R-TeH-CMKG2 |
| Continental Automotive Technologies | NTG7Q LF2 (head unit) | R-R-TeH- NTG7QLF2 |
| Huf Baolong | TSSRE4A (tire pressure sensor) | R-CRM-HHFTSSRE4A |
| Huf Baolong | TSSSG4G6 (tire pressure monitoring system control unit) | R-REM-HHFTSSSG4G6 |
| HUF | HUF14632 (locking system) | MSIP-CRM-HHF-HUF-14632 |
| MARQUARDT | MS6 (locking system) | R-C-MQU-MS6 |
| Schrader | MFR (tire pressure monitoring system control unit) | MSIP-REM-SRD-MFR |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Schrader | MFR3 (tire pressure monitoring system control unit) | KCC R-R-SRD-MFR3A |
| Schrader | MC34MA4 (tire pressure monitoring system control unit) | KCC-REM-SRD-MRXMC34MA4 |
| Schrader | AG5SP4 (tire pressure sensor) | MSIP-CRM-SRD-AG5SP4 |
| Schrader | AG3PF4 (tire pressure sensor) | R-C-SRD-AG3PF4 |
| Schrader | BG3FP4 (tire pressure sensor) | R-C-SRD-BG3FP4 |
| Schrader | GG4T (tire pressure sensor) | MSIP-CRM-SRD-GG4T |
| Schrader | DG6W2D4 (tire pressure sensor) | R-CRM-SRD-DG6W2D4 |
| Vitesco | HFA30) (radar sensor) | R-R-vT2-HFA30 |

## TANZANIA

TCRA Approved
XXXXXX/XXX/XXXX

### REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental Antenna | RKE223E1 (antenna amplifier) | TCRA/TAC/018/2016 |

## THAILAND

### REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental Automotive Technologies | NTG7Q PREMIUM LF2 (head unit) | 130111-23-0132 |

### ARTEMIS and MB - 4G eCall box:

This radio communication device has an electromagnetic wave that complies with the Safety Standard for the Use of Radiocommunication Equipment on Human Health announced by the National Telecommunications Commission.

## TOGO

### REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental Antenna | RKE223E1 (antenna amplifier) | No. 024/19 |
| Continental Automotive | MARS Keyless (locking system) | No. 059/24 |
| HELLA | DM4 (locking system) | No. 039/19 |
| Hirschmann | 920287A (locking system) | No. 089/19 |
| Hirschmann | 920287B (locking system) | No. 088/19 |
| HUF | HUF4761 (locking system) | No. 041/19 |
| MARQUARDT | DC12A (locking system) | No. 055/19 |
| MARQUARDT | DC12B (locking system) | No. 057/19 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| MARQUARDT | DC12K (locking system) | No. 056/19 |
| MARQUARDT | MS2 (locking system) | No. 008/19 |
| MARQUARDT | MS4 (locking system) | No. 101/19 |
| MARQUARDT | MK1 (locking system) | No. 021/19 |
| MARQUARDT | MK2 (locking system) | No. 022/19 |
| MARQUARDT | 3350.38 (locking system) | No. 016/20 |

## UKRAINE

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental ADC | ARS4-A (radar sensor) | UA RF: 1CONT0004 |
| Continental ADC | ARS4-B (radar sensor) | UA RF: 1CONT0001 |
| Continental ADC | ARS6-A (radar sensor) | UA RF: 1CONT0013 |
| Continental Antenna | RKE213E1 (antenna amplifier) | UKR.355-123/19 |
| Continental Antenna | RKE223E1GNS (antenna amplifier) | UA.R.TR.052.682-19 |
| Continental Antenna | 2032V00ME1 (antenna amplifier) | UA.TR.109.R.0412-24 |
| Continental Automotive | CMKG1 (locking system) | UA1.001.021175-20-TE |
| Continental Automotive | CMKG2 (locking system) | UA.032.CT.0105-23 |
| Continental Automotive | CMKG3 (locking system) | UA.032.CT.0354-24 |
| Continental Automotive | MARS Keyless (locking system) | RTS.UKR.355-34/18 |
| Continental Automotive Technologies | NTG7Q MID LF2 (head unit) | UA.TR.052 |
| Continental Automotive Technologies | NTG7Q HIGH LF2 (head unit) | UA.TR.052 |
| Continental Automotive Technologies | NTG7Q PREMIUM LF2 (head unit) | UA.TR.052 |
| HELLA | DM4 (locking system) | UA.TR.109 |
| Hirschmann | 920287A (locking system) | UKR.355-7/20 |
| Hirschmann | 920287B (locking system) | UKR.355-8/20 |
| Huf Baolong | TSSRE4A (tire pressure sensor) | UA 1.001.018568-19-TE |
| Huf Baolong | TSSSG4G6b (tire pressure monitoring system control unit) | UA 1.001.019289-19-TE |
| HUF | HUF13145 (locking system) | UKR.355-113/19 |
| HUF | HUF14632 (locking system) | UKR.355-113/19 |
| HUF | HUF4761 (locking system) | UA1.001.018653-19-TE |
| MARQUARDT | DC12A (locking system) | UA.R.TR.052.307-19 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| MARQUARDT | DC12B (locking system) | UA.R.TR.052.308-19 |
| MARQUARDT | DC12K (locking system) | UA.R.TR.052.309-19 |
| MARQUARDT | MS2 (locking system) | UA1.001.019129-19-TE |
| MARQUARDT | MS4 (locking system) | UA.R.TR.052.528-19 |
| MARQUARDT | MS5 (locking system) | UA.TR.028 |
| MARQUARDT | MS7 (locking system) | UA.TR.001.0355.30.00624-24 |
| MARQUARDT | MK1 (locking system) | UA1.001.019233-19-TE |
| MARQUARDT | MK2 (locking system) | UA1.001.019234-19-TE |
| MARQUARDT | MK3 (locking system) | UA.TR.001.0355.30.01316-23 |
| MARQUARDT | MU3 (locking system) | UA.TR.001.0355.30.01276-23 |
| MARQUARDT | MUB1 (locking system) | UA.TR.001.0355.30.00623-24 |
| MARQUARDT | 3350.38 (locking system) | UA1.001.018888-19-TE |
| Schrader | AG5SP4 (tire pressure sensor) | UA.TR. 032 |
| Schrader | AG3PF4 (tire pressure sensor) | UA-TR-001 |
| Schrader | BG3FP4 (tire pressure sensor) | UA-TR-109 |
| Schrader | GG4T (tire pressure sensor) | UA.TR. 028 |
| Schrader | DG6W2D4 (tire pressure sensor) | UA.TR. 028 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Valeo | ARTEMIS-SUB-01 (locking system) | UA.R.TR.052.071-24 |
| WITTE-Velbert | SDHTAG3NFC (locking system) | UA.R.TR.052.120-20 |

## UZBEKISTAN

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation |
|---|---|
| Continental Antenna | RKE213E1 (antenna amplifier) |
| Continental Antenna | RKE223E1GNS (antenna amplifier) |
| Continental Antenna | 2032V00ME1 (antenna amplifier) |
| Continental Automotive | CMKG1 (locking system) |
| Continental Automotive | CMKG2 (locking system) |
| Continental Automotive | CMKG3 (locking system) |
| Continental Automotive | MARS Keyless (locking system) |
| HELLA | DM4 (locking system) |
| Hirschmann | 920287A (locking system) |
| Hirschmann | 920287B (locking system) |
| Hirschmann | 920702A (locking system) |

| Manufacturer | Model designation |
|---|---|
| HUF | HUF13145 (locking system) |
| MARQUARDT | DC12A (locking system) |
| MARQUARDT | DC12B (locking system) |
| MARQUARDT | DC12K (locking system) |
| MARQUARDT | MS2 (locking system) |
| MARQUARDT | MS4 (locking system) |
| MARQUARDT | MS5 (locking system) |
| MARQUARDT | MS6 (locking system) |
| MARQUARDT | MS7 (locking system) |
| MARQUARDT | MK1 (locking system) |
| MARQUARDT | MK2 (locking system) |
| MARQUARDT | MK3 (locking system) |
| MARQUARDT | MU3 (locking system) |
| MARQUARDT | 3350.38 (locking system) |
| MARQUARDT | MUB1 (locking system) |
| Vitesco | HFA30 (radar sensor) |
| Valeo | ARTEMIS-SUB-01 (locking system) |
| WITTE-Velbert | SDHTAG3NFC (locking system) |

## UNITED ARAB EMIRATES

TDRA هيئة تنظيم الاتصالات والحكومة الرقمية
TELECOMMUNICATIONS AND DIGITAL GOVERNMENT REGULATORY AUTHORITY

## REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental ADC | ARS4-A (radar sensor) | TA RTTE: Er558296/17, DA40068/15 |
| Continental ADC | ARS4-C (radar sensor) | TA RTTE: ER77062/19, DA40068/15 |
| Bosch | FR5CPCCF (radar sensor) | TA RTTE: ER74533/19, DA36758/14 |
| Bosch | NRCS2P (radar sensor) | TA RTTE: ER88778/20, DA36758/14 |
| Continental Antenna | RKE213E1 (antenna amplifier) | TRA ER64693/18, DA65993/17 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental Antenna | RKE223E1GNS (antenna amplifier) | TRA ER76442/19, DA65993/17 |
| Continental Antenna | 2032V00ME1 (antenna amplifier) | TRA ER38672/24, DA65993/17  |
| Continental Automotive | CMKG1 (locking system) | TRA ER77964/20, DA0018994/09 |
| Continental Automotive | CMKG2 (locking system) | TRA ER17713/23, DA36975/14  |
| Continental Automotive | CMKG3 (locking system) | TRA ER37329/24, DA36975/14  |
| Continental Automotive | MARS Keyless (locking system) | TRA ER56005/17, DA44932/15 |
| Continental Automotive | UWBTRX1 (locking system) | TRA ER11321/22, DA36975/14 |
| Continental Automotive Hungary | Ramses 1.5 (communication module) | ER32722/24  |
| Continental Automotive Technologies | NTG7Q MID LF2 (head unit) | TDRA ER17731/23, DA76163/18  |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental Automotive Technologies | NTG7Q HIGH LF2 (head unit) | TDRA ER17730/23, DA76163/18  |
| Continental Automotive Technologies | NTG7Q PREMIUM LF2 (head unit) | TDRA ER17732/23, DA76163/18  |
| Gentex | MUAHL5 (convenience system) | TRA ER41849/15, DA35176/14 |
| Harman Becker | HERMES 3.0 (communication module) | TRA ER03601/21, DA0028019/10  |
| HELLA | DM4 (locking system) | TRA ER56616/17, DA44932/15 |
| Hirschmann | 920287A (locking system) | TRA ER52213/17, DA35219/14 |
| Hirschmann | 920287B (locking system) | TRA ER42011/15, DA35219/14 |
| Hirschmann | 920702A (locking system) | TRA ER10723/22, DA35219/14 |
| Huf Baolong | TSSRE4A (tire pressure sensor) | TRA ER57806/17, DA36976/14 |
| Huf Baolong | TSSSG4G6b (tire pressure monitoring system control unit) | TRA ER7307/19, DA0086237/12 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| HUF | HUF13482 (locking system) | TRA ER33320/24 |
| HUF | HUF13145 (locking system) | TRA ER08607/22, DA36976/14 |
| HUF | HUF14632 (locking system) | TRA ER63716/18, DA36976/14 |
| HUF | HUF4761 (locking system) | TRA ER55496/17, DA36976/14 |
| HUF | HUF13145 (locking system) | TRA ER08607/22 DA36976/14 |
| MARQUARDT | DC12A (locking system) | TRA ER53465/17, DA0018994/09 |
| MARQUARDT | DC12B (locking system) | TRA ER0067828/11, DA0018994/09 |
| MARQUARDT | DC12K (locking system) | TRA ER0067829/11, DA0018994/09 |
| MARQUARDT | MS2 (locking system) | TRA ER52668/17, DA0018994/09 |
| MARQUARDT | MS4 (locking system) | TRA ER71616/19, DA0018994/09 |
| MARQUARDT | MS5 (locking system) | TRA ER80720/20, DA0018994/09 |
| MARQUARDT | MS6 (locking system) | TRA ER28697/24, DA0018994/09 |
| MARQUARDT | MS7 (locking system) | TRA ER29729/24, DA0018994/09 |
| MARQUARDT | MK1 (locking system) | TRA ER64145/18, DA0018994/09 |
| MARQUARDT | MK2 (locking system) | TRA ER64146/18, DA0018994/09 |
| MARQUARDT | MK3 (locking system) | TRA ER26811/23, DA0018994/09 |
| MARQUARDT | 3350.38 (locking system) | TRA ER69280/19, DA0018994/09 |
| MARQUARDT | MU3 (locking system) | TRA ER25917/23, DA0018994/09 |
| MARQUARDT | MUB1 (locking system) | TRA ER29344/24, DA0018994/09 |
| Schrader | AG5SP4 (tire pressure sensor) | TRA ER37156/15, DA0047074/10 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Schrader | AG3PF4 (tire pressure sensor) | TRA ER70533/19, DA0047074/10 |
| Schrader | BG3FP4 (tire pressure sensor) | TRA ER96175/21, DA0047074/10 |
| Schrader | GG4T (tire pressure sensor) | TRA ER57985/17, DA0047074/10 |
| Schrader | DG6W2D4 (tire pressure sensor) | TRA ER960528/18, DA0047074/10 |
| Schrader | MC34MA4 (tire pressure monitoring system control unit) | TRA ER37066/15, DA0047074/10 |
| Sennheiser | M3IETW2L (Earbud) | ER78231/20 |
| Sennheiser | BTT100 (Bluetooth Audio Transmitter) | ER64728/18 |
| VALEO | ARTEMIS-ECE-01 (locking system) | TRA ER38896/24, DA0051190/10 |
| Veoneer | 77GHz MMRV1 (radar sensor) | TA RTTE: ER96352/21; 0020858/10 |
| Veoneer | 77V12BSM (radar sensor) | TA RTTE: ER72324/19; 0020858/10 |
| Veoneer | 77V12CRN (radar sensor) | TA RTTE: ER72323/19; 0020858/10 |
| Veoneer | 77V125CRN (radar sensor) | TA RTTE: ER95775/21; 0020858/10 |
| Vitesco | HFA30 (radar sensor) | TRA ER25428/23 |
| WITTE-Velbert | SDHTAG3NFC (locking system) | TRA ER79695/20, DA0018994/09 |

**UNITED KINGDOM**
**Additional specific information**

**Charging unit for the wireless charging of mobile communication devices (WMI):**

D-WMI2016A, D-WMI2017A, D-WMI2017B:

Restrictions or requirements in the UK: a minimum distance of 3.9 in (10 cm) must be maintained between all persons and the device at all times. The device must not be set up or operated together with other antennas or transmitters.

D-WMI2020A:

Restrictions or requirements in the UK: a minimum distance of 0 in (0 cm) must be maintained between all persons and the device at all times. The device must not be set up or operated together with other antennas or transmitters.

## UNITED STATES

### REGULATORY RADIO IDENTIFIERS

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental Automotive | CMKG2 (locking system) | FCC ID: KR5CMKG2 |
| Continental Automotive Technologies | NTG7Q MID LF2 (head unit) | FCC ID: NTG7QMIDLF2 |
| Continental Automotive Technologies | NTG7Q HIGH LF2 (head unit) | FCC ID: NTG7QHIGLF2 |
| Continental Automotive Technologies | NTG7Q PREMIUM LF2 (head unit) | FCC ID: NTG7QPRELF2 |
| HUF | HUF13145 (locking system) | FCC ID: YGOHUF13145 |
| MARQUARDT | MS6 (locking system) | FCC ID:IYZMS6 |
| Sennheiser | M3IETW2R (Earbud) | FCC ID: DMOM3IETW2R |
| Sennheiser | M3IETW2L (Earbud) | FCC ID: DMOM3IETW2L |
| Sennheiser | BTT100 (Bluetooth Audio Transmitter) | FCC ID: DMOBTT100 |
| Vitesco | HFA30 (radar sensor) | FCC ID: 2A6TC-HFA30 |
| WITTE-Velbert | SDHTAG3NFC (locking system) | FCC ID: DMOBTT100 |

### Information on installation clearances

### Charging unit for the wireless charging of mobile communication devices (WMI):

This equipment complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 0 cm (in contact) between the radiator and your body.This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. Only for Canada: Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un Environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 0 cm (in contact) de distance entre la source de rayonnement et votre corps. Ce transmetteur ne doit pas être place au même endroit ou utilise simultanément avec un autre transmetteur ou antenne.

### Rear Seat Entertainment System:

Only for USA: This device complies with part 15 of the FCC Rules and Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1)This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

This device must be installed and used at a distance of at least 6 cm from the body.

Only for Canda: This device complies with ISED Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with ISED radiation exposure limits established for an uncontrolled environment. This equipment must be installed and operated with a minimum distance of 5 cm between the radiation source and your body. Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 5 cm de distance entre la source de rayonnement et votre corps.

**Radar sensors:**

ARS4-C (Continental ADC), ARS4-B (Continental ADC), ARS4-A (Continental ADC), FR5CPCCF (Bosch), MRR1REAR (Bosch), MRREVO14F (Bosch), LRR3 (Bosch), 77V12BSM (Veoneer), 77V12CRN (Veoneer), MMRV1 (Veoneer), HFA30 (Vitesco)

Only for USA: Radiofrequency radiation exposure Information:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Only for Canada: This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

**BT Audio Transmitter (BTT100):**

This equipment complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 9 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**Infotainment system head unit (NTG7Q):**

Only for USA: This device complies with FCC/ISED radiation exposure limits set forth in an uncontrolled environment and meets the FCC radio frequency Exposure Guidelines and RSS-102 of the ISED radio frequency Exposure rules. This device is installed in the vehicle at a distance minor to 20 cm to the closest passenger.

Only for Canada: This device complies with FCC/ISED radiation exposure limits set forth in an uncontrolled environment and meets the FCC radio frequency Exposure Guidelines and RSS-102 of the ISED radio frequency Exposure rules. This device is installed in the vehicle at a distance minor to 20 cm to the closest passenger. Le présent appareil est conforme à l'exposition de la fréquence de la FCC/ISED définies pour un environment non contrôlé et répond aux directives d'exposition de la fréquence de la FCC radiofréquence (RF) et RSS-102 de fréquence radio (RF) ISED règles d'éposition. Cet appareil sera installé à une distance minimale de 20 cm de l'utilisateur final.

**VIETNAM**

**REGULATORY RADIO IDENTIFIERS**

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental ADC | ARS4-A (radar sensor) | SUNTECH VN C00082015 |
| Continental ADC | ARS6-A (radar sensor) | SUNTECH VN C00082015 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental ADC | ARS4-C (radar sensor) | SUNTECH VN C00082015 |
| Bosch | FR5CPCCF (radar sensor) | SUNTECH VN C00082015 |
| Bosch | MRR1Rear (radar sensor) | SUNTECH VN C00082015 |
| Bosch | MRRe14FCR (radar sensor) | SUNTECH VN C00082015 |
| Continental Antenna | RKE213E1 (antenna amplifier) | Suntech Vietnam Technology Company Limited C0274151118AF04A2 |
| Continental Antenna | RKE223E1GNS (antenna amplifier) | CÔNG TY TNHH MERCEDES-BENZ, Mercedes-Benz Vietnam, Company Limited B0676160424AF03A3 |
| Continental Automotive | CMKG1 (locking system) | Suntech Vietnam Technology Company Limited C0001070120AF04A2 |
| Continental Automotive | CMKG2 (locking system) | Mercedes-Benz Vietnam Company Limited C0104060423AF04A3 |
| Continental Automotive | CMKG3 (locking system) | Mercedes-Benz Vietnam Company Limited A113105124AF61A3 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Continental Automotive | MARS Keyless (locking system) | Mercedes-Benz Vietnam Company Limited B0748240419AF04A2 |
| Continental Automotive | UWBTRX1 (locking system) | Mercedes-Benz Vietnam B00172019 |
| HELLA | DM4 (locking system) | Mercedes-Benz Vietnam Company Limited CO204030321AF04A3 |
| HELLA | RS6 (locking system) | SUNTECH VN C00082015 |
| Hirschmann | 920702A (locking system) | Mercedes-Benz Vietnam Company Limited B0424070422AF04A3 |
| Huf Baolong | TSSRE4A (tire pressure sensor) | C0112200717AF04A2 |
| HUF | HUF13145 (tire pressure sensor) | C1071050922AF04A3 |
| MARQUARDT | DC12A (locking system) | Suntech Vietnam Technology Company Limited C0208030321AF04A3 |
| MARQUARDT | DC12B (locking system) | Suntech Vietnam Technology Company Limited C0076210121AF04A3 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| MARQUARDT | DC12K (locking system) | Suntech Vietnam Technology Company Limited C0077210121AF04A3 |
| MARQUARDT | MS2 (locking system) | Suntech Vietnam Technology Company Limited C0075210121AF04A3 |
| MARQUARDT | MS4 (locking system) | Suntech Vietnam Technology Company Limited C0913110821AF04A3 |
| MARQUARDT | MS5 (locking system) | Suntech Vietnam Technology Company Limited C0141140520AF04A2 |
| MARQUARDT | MS6 (locking system) | CÔNG TY TNHH MERCEDES-BENZ Mercedes-Benz Vietnam Company Limited C0471120824AF04A3 |
| MARQUARDT | MS7 (locking system) | CÔNG TY TNHH MERCEDES-BENZ Mercedes-Benz Vietnam Company Limited C0225240424AE01A3 |
| MARQUARDT | MK1 (locking system) | Suntech Vietnam Technology Company Limited C0049150121AF04A3 |
| MARQUARDT | MK2 (locking system) | Suntech Vietnam Technology Company Limited C0050150121AF04A3 |
| MARQUARDT | MU3 (locking system) | CÔNG TY TNHH MERCEDES-BENZ Mercedes-Benz Vietnam Company Limited C0547201223AF04A3 |
| MARQUARDT | MUB1 (locking system) | CÔNG TY TNHH MERCEDES-BENZ Mercedes-Benz Vietnam Company Limited C0751151024AF04A3 |
| MARQUARDT | 3350.38 (locking system) | Suntech Vietnam Technology Company Limited C0131030221AF04A3 |
| Schrader | AG5SP4 (tire pressure sensor) | Suntech Vietnam Technology Company Limited C0002050119AF042A |
| Schrader | AG3PF4 (tire pressure sensor) | Suntech Vietnam Technology Company Limited C0120220519AF04A2 |
| Schrader | GG4T (tire pressure sensor) | Suntech Vietnam Technology Company Limited C0170191017AF04A2 |

| Manufacturer | Model designation | Radio equipment approval number |
|---|---|---|
| Schrader | DG6W2D4 (tire pressure sensor) | Suntech Vietnam Technology Company Limited<br>C0078070518AF04A2 |
| Valeo | ARTEMIS-SUB-01 (locking system) | CÔNG TY TNHH MERCEDES-BENZ<br>Mercedes-Benz Vietnam Company Limited<br>C0931270624AF03A3 |
| Veoneer | 77GHz MMRV1 (radar sensor) | Mercedes-Benz Vietnam Company Limited |
| Veoneer | 77V12BSM (radar sensor) | Mercedes-Benz Vietnam Company Limited |
| Veoneer | 77V12CRN (radar sensor) | Mercedes-Benz Vietnam Company Limited |
| Veoneer | 77V125CRN (radar sensor) | Mercedes-Benz Vietnam Company Limited |
| WITTE-Velbert | SDHTAG3NFC (locking system) | Mercedes-Benz Vietnam Company Limited<br>A0847130820AF04A3 |

## INFORMATION ON THE SPECIFIC ABSORPTION RATE

| Vehicle components | SAR value in W/kg | Applicable limit value |
|---|---|---|
| D-WMI2020A | 0.018 W/kg | 4 W/kg |
| Gen20x.i2 LS3+ | 2.2 W/kg | 4 W/kg |

# Information on the specific absorption rate (SAR)

### INFORMATION ON THE SPECIFIC ABSORPTION RATE

The values have been determined and tested in accordance with the Décret n° 2019-1186 guideline relating to details of the specific absorption rate (SAR) of wireless vehicle components.

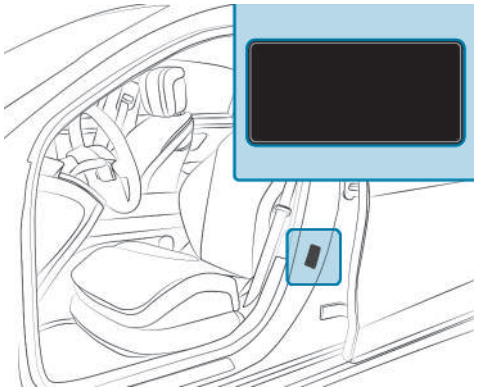
Further information and updates are available at the following website:

https://regulatoryradioinformation.corpinter.net/us

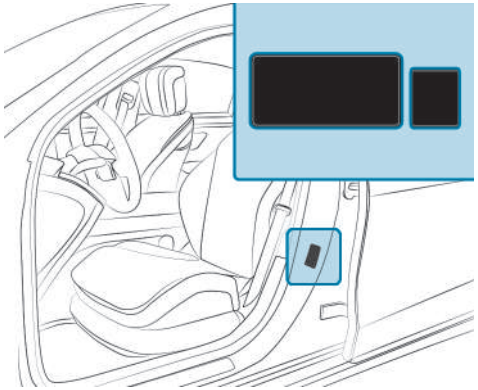
| Vehicle components | SAR value in W/kg | Applicable limit value |
|---|---|---|
| Gen20x.i2 LS4+ | 2.5 W/kg | 4 W/kg |
| ARTEMIS communication module | 0.471 W/kg | 2 W/kg |
| HERMES communication module | < 0.4 W/kg | 2 W/kg |
| RAMSES communication module | 0.036 W/kg | 2 W/kg |
| ECE DE003 & ECE DE004 compensators | < 0.2 W/kg | 2 W/kg |
| NRCS2P | 0.003 W/kg | 2 W/kg |
| NTG6 | 0.199 W/kg | 4 W/kg |
| NTG7 | 0.08 W/kg | 2 W/kg |
| NTG7RSU | 0.07 W/kg | 2 W/kg |
| SM-T230NZ tablet PC | 0.7 W/kg | 4 W/kg |
| Radio data transmission telephone system | 0.24 W/kg | 2 W/kg |

# Overview of vehicle identification plate, VIN and engine number

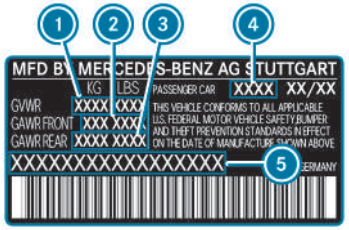
## VEHICLE IDENTIFICATION PLATE



Vehicle identification plate (example: USA)

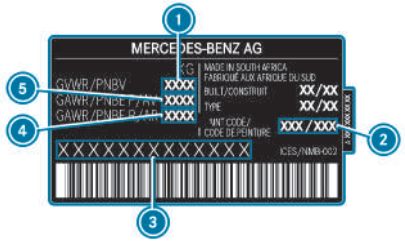


Vehicle identification plate (example: Canada)




Vehicle identification plate (USA only)

1. Permissible gross mass
2. Maximum permissible front axle load
3. Maximum permissible rear axle load
4. Paint code
5. VIN (vehicle identification number)




Vehicle identification plate (Canada only)

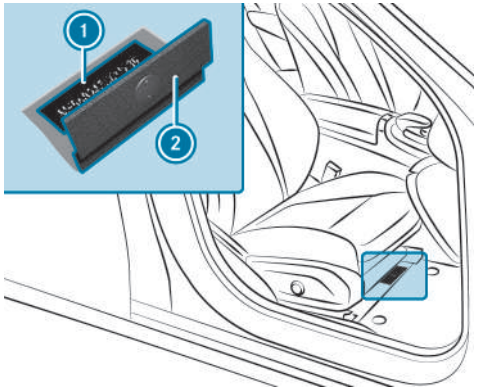
1. Permissible gross mass
2. Paint code
3. VIN (vehicle identification number)

④ Maximum permissible rear axle load
⑤ Maximum permissible front axle load

The permissible gross mass comprises the vehicle weight, all vehicle occupants, the fuel and the load. The maximum permissible axle load is the maximum weight that can be carried on one axle (front or rear axle).

Do not exceed the permissible gross mass or the maximum permissible axle load for the front or rear axle.

**VIN BELOW THE RIGHT FRONT SEAT**



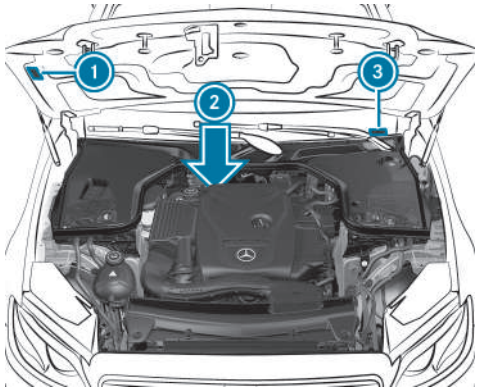

① Imprinted VIN (vehicle identification number)
② Floor covering

**Canada only:** the following plate can be found alongside the vehicle identification plate.




Plate confirming the national emissions guidelines and safety requirements for motor vehicles (example applicable for Canada)

**ADDITIONAL PLATES**




① Plate with information regarding emissions testing, including confirmation of emissions guidelines at the U.S. federal level and for California
② Engine number stamped onto the crankcase
③ VIN (vehicle identification number) as a label at the lower edge of the windshield

# Operating fluids

## Notes on operating fluids

**WARNING**
Risk of injury due to harmful operating fluids

Operating fluids can be toxic.

- ► When using, storing and disposing of operating fluids, observe the imprints on the respective original containers.
- ► Always keep operating fluids in the sealed original container.
- ► Always keep children away from operating fluids.

**ENVIRONMENTAL NOTE**
Pollution of the environment due to irresponsible disposal of operating fluids

Incorrect disposal of operating fluids can cause considerable damage to the environment.

- ► Dispose of operating fluids in an environmentally responsible manner.

**OPERATING FLUIDS INCLUDE THE FOLLOWING:**

- Fuels
- Lubricants
- Coolant
- Brake fluid
- Windshield washer fluid
- Climate control system refrigerant

Use only products approved by Mercedes-Benz. Damage to the vehicle caused by the use of products that have not been approved is not covered by the Mercedes-Benz warranty or goodwill gestures.

The operating fluids approved by Mercedes-Benz can be identified by the following labels on the container:

- MB-Freigabe (e.g. MB-Freigabe 229.51)
- MB-Approval (e.g. MB-Approval 229.51)

**FURTHER INFORMATION ON APPROVED OPERATING FLUIDS:**

- in the Mercedes-Benz Specifications for Operating Fluids in accordance with the details on the label
  - at https://operatingfluids.mercedes-benz.com
- at a qualified specialist workshop

**WARNING**
Risk of fire or explosion from fuel

Fuels are highly flammable.

- Fire, open flames, smoking and creating sparks must be avoided.
- Before and during refueling, switch off the vehicle and, if installed, the stationary heater.

**WARNING**
Risk of injury from fuels

Fuels are poisonous and hazardous to your health.

- Do not swallow fuel or let it come into contact with skin, eyes or clothing.
- Do not inhale fuel vapor.
- Keep children away from fuel.
- Keep doors and windows closed during the refueling process.

If you or other people come into contact with fuel, observe the following:

- Immediately rinse fuel off your skin with soap and water.
- If fuel comes into contact with your eyes, immediately rinse them thoroughly with clean water. Seek medical attention immediately.
- If you swallow fuel, seek medical attention immediately. Do not induce vomiting.
- Change immediately out of clothing that has come into contact with fuel.

**FLEXIBLE-FUEL VEHICLES CAN BE REFUELED WITH THE FOLLOWING FUEL TYPES:**

- Premium-grade unleaded gasoline
- E85 fuel

- A mixture of E85 fuel and premium-grade unleaded gasoline

Flexible-fuel vehicles can be identified by the **Ethanol up to E85** sticker on the inside of the fuel filler flap.

Depending on the respective country of use, the fuels you can use in your vehicle may differ from the information in the Operator's Manual. The fuels that have been approved for your vehicle can be found on the information label on the inside of the fuel filler flap.

## Fuel

**INFORMATION ON FUEL QUALITY FOR VEHICLES WITH GASOLINE ENGINE**
Observe the notes on operating fluids (⟶ page 821).

**NOTE**
Damage caused by the wrong fuel

Even small amounts of the wrong fuel could result in damage to the fuel system, the engine and the emission control system.

► Refuel only with low-sulfur spark-ignition engine fuel.

This fuel may contain up to 10% ethanol by volume. Your vehicle is suitable for use with E10 fuel.

**NEVER REFUEL WITH ANY OF THE FOLLOWING FUELS:**

- Diesel
- gasoline with more than 10% Ethanol, z.B. E15, E85, E100
- gasoline with more than 3% methanol by volume, e.g. M15, M30, M85, M100
- gasoline with metallic additives

If you have accidentally refueled with the wrong fuel:

► Do not switch on the vehicle.

► Consult a qualified specialist workshop.

If the available fuel is not sufficiently low in sulfur, it may produce unpleasant odors.

Only fill up with fuel that has at least the octane rating specified on the information label on the fuel filler flap (⟶ page 33).

**For maximum engine output:** Only fill up with premium-grade unleaded gasoline with an octane rating of at least 91 AKI/95 RON.

If the recommended fuel is not available, you may also temporarily use regular unleaded gasoline with an octane rating of at least 87 AKI/91 RON. This may reduce engine output and increase fuel consumption.

**Vehicle with M 256M gasoline engine:** when you use 91 AKI/95 RON, there may be slight limitations in performance that have no further consequences.

Never fill up with gasoline with an even lower RON.

**NOTE**
Premature engine wear through unleaded regular gasoline

Impairment of the longevity and performance of the engine.

If unleaded premium grade gasoline is unavailable and you have to refuel using unleaded regular gasoline:

- ► Only fill the fuel tank to half full with unleaded regular gasoline and refill as soon as possible with unleaded premium grade gasoline.
- ► Do not drive at the maximum design speed.
- ► Avoid sudden acceleration and engine speeds over 3000 rpm.

**FURTHER INFORMATION ON FUEL IS AVAILABLE IN THE FOLLOWING LOCATIONS:**

- At a gas station
- At a qualified specialist workshop
- **USA only:** on the https://www.mbusa.com

**INFORMATION ON FUEL QUALITY FOR MERCEDES-AMG VEHICLES**
Observe the notes on operating fluids (⟶ page 821).

**NOTE**
Damage caused by the wrong fuel

Even small amounts of the wrong fuel could result in damage to the fuel system, the engine and the emission control system.

- ► Refuel only with low-sulfur spark-ignition engine fuel.

This fuel may contain up to 10% ethanol by volume. Your vehicle is suitable for use with E10 fuel.

**NEVER REFUEL WITH ANY OF THE FOLLOWING FUELS:**

- Diesel
- gasoline with more than 10% Ethanol, z.B. E15, E85, E100
- gasoline with more than 3% methanol by volume, e.g. M15, M30, M85, M100
- gasoline with metallic additives

If you have accidentally refueled with the wrong fuel:

- ► Do not switch on the vehicle.
- ► Consult a qualified specialist workshop.

If the available fuel is not sufficiently low in sulfur, it may produce unpleasant odors.

Refuel only with premium-grade unleaded gasoline with an octane number of at least 91 AKI/95 RON.

As a temporary measure, if the recommended fuel is not available, you may also use regular unleaded gasoline. When doing this, note the octane number on the information label on the inside of the fuel filler flap (⟶ page 33). Filling up with regular unleaded gasoline may reduce engine output and increase fuel consumption.

Never refuel using gasoline with an even lower RON.

**NOTE**
Premature engine wear through unleaded regular gasoline

Impairment of the longevity and performance of the engine.

If unleaded premium grade gasoline is unavailable and you have to refuel using unleaded regular gasoline:

- ► Only fill the fuel tank to half full with unleaded regular gasoline and refill as soon as possible with unleaded premium grade gasoline.
- ► Do not drive at the maximum design speed.
- ► Avoid sudden acceleration and engine speeds over 3000 rpm.

**FURTHER INFORMATION ON FUEL IS AVAILABLE IN THE FOLLOWING LOCATIONS:**

- At a gas station
- At a qualified specialist workshop
- **USA only:** on https://www.mbusa.com

**INFORMATION ON ADDITIVES IN GASOLINE (VEHICLES WITH GASOLINE ENGINE)**
Observe the notes on operating fluids (⟶ page 821).

**NOTE**
Damage from use of unsuitable additives

Even small amounts of the wrong additive may lead to malfunctions occurring.

- ► Only add cleaning additives recommended by Mercedes-Benz to the fuel.

Mercedes-Benz recommends that you use brand-name fuels with additives.

In some countries, the fuel available may not have sufficient additives. Deposits could build up in the fuel injection system as a result. In this case, and following consultation with a qualified specialist workshop (e.g. an authorized Mercedes-Benz Center), mix the fuel with the cleaning additive recommended by Mercedes-Benz. Observe the notes and mixing ratios indicated on the tank.

**TANK CAPACITY AND FUEL RESERVE**

**TOTAL FUEL TANK CAPACITY**

| Model | |
|---|---|
| All models | 17.4 gal (66.0 liters) |

**FUEL TANK RESERVE**

| Model | |
|---|---|
| All models | 1.8 gal (7.0 liters) |

**Plug-in hybrid:**

### TANK CAPACITY AND FUEL RESERVE (MERCEDES-AMG VEHICLES)

### TOTAL FUEL TANK CAPACITY

| Sedan and Wagon | |
|---|---|
| Mercedes-AMG E 53 Hybrid 4MATIC+ | 15.9 gal (60.0 liters) |

### FUEL TANK RESERVE

| Sedan and Wagon | |
|---|---|
| Mercedes-AMG E 53 Hybrid 4MATIC+ | 2.6 gal (10.0 liters) |

## Engine oil

### NOTES ON ENGINE OIL

Observe the notes on operating fluids (⟶ page 821).




**NOTE**
Engine damage caused by an incorrect oil filter, incorrect oil or additives

- Do not use engine oils or oil filters other than those which meet the specifications necessary for the prescribed service intervals.
- Do not alter the engine oil or oil filter in order to achieve longer change intervals than prescribed.
- Do not use additives.
- Have the engine oil changed after the prescribed intervals.

Mercedes-Benz recommends having the oil changed at a qualified specialist workshop.

Only use engine oils approved for your vehicle by Mercedes-Benz.

### ENGINE OIL QUALITY AND FILLING QUANTITY

### ENGINE OIL SPECIFICATION

| Model | MB-Freigabe or MB-Approval |
|---|---|
| All models | 229.71<br>229.72* |

* Recommended for the lowest possible fuel consumption (lowest SAE viscosity class in each case; observe possible restrictions of the approved SAE viscosity classes)

**E 350; E 350 4MATIC:** only use engine oils of viscosity class SAE 0W-20.

If the engine oils listed in the table are not available, you may add a maximum of 1.1 US qt (1.0 liter) of the following engine oils once only.
MB-Freigabe or MB-Approval 229.51, 229.52, 229.61 or ACEA C5

**ENGINE OIL FILLING QUANTITY**

| Model | Filling quantity |
|---|---|
| E 450 4MATIC | 8.5 US qt (8.0 l ) |
| All other models | 6.3 US qt (6.0 l ) |

The specified filling quantity refers to an oil change, including the oil filter.

**ENGINE OIL QUALITY AND FILLING QUANTITY (MERCEDES-AMG VEHICLES)**
Missing values were not yet available by the editorial deadline.

**ENGINE OIL SPECIFICATION**

| Model | MB-Freigabe or MB-Approval |
|---|---|
| Mercedes-AMG E 53 Hybrid 4MATIC+ (Sedan) | 229.51, 229.52* |
| Mercedes-AMG E 53 Hybrid 4MATIC+ (Wagon) | |

* Recommended for the lowest possible fuel consumption (lowest SAE viscosity class in each case; observe possible restrictions of the approved SAE viscosity classes).

Only use engine oils of viscosity class SAE 0W-40 or SAE 5W-40.

**ENGINE OIL FILLING QUANTITY**

| Model | Filling quantity |
|---|---|
| Mercedes-AMG E 53 Hybrid 4MATIC+ (Sedan) | 7.7 US qt (7.3 l) |
| Mercedes-AMG E 53 Hybrid 4MATIC+ (Wagon) | |

The specified filling quantity refers to an oil change, including the oil filter.

## Notes on brake fluid

Observe the notes on operating fluids (⟶ page 821).

**WARNING**
Risk of an accident due to vapor pockets forming in the brake system

The brake fluid constantly absorbs moisture from the air. This lowers the boiling point of the brake fluid. If the boiling point is too low, vapor pockets may form in the brake system when the brakes are applied hard.

This causes the braking effect to be impaired.

- Have the brake fluid renewed at the specified intervals.

Have the brake fluid regularly replaced at a qualified specialist workshop. Only use a brake fluid approved by Mercedes-Benz in accordance with MB-Freigabe or MB-Approval 331.0.

# Coolant

**NOTES ON COOLANT**

Observe the notes on operating fluids (⟶ page 821).

**WARNING**
- Risk of fire and injury from antifreeze

If antifreeze comes into contact with hot component parts in the engine compartment, it may ignite.

- ► Allow the engine to cool down before adding antifreeze.
- ► Make sure that no antifreeze spills out next to the filler opening.
- ► Thoroughly clean off any antifreeze from component parts before starting the vehicle.

**NOTE**
Damage caused by incorrect coolant

- ► Only use coolant that has been premixed with the required antifreeze protection.

**INFORMATION ON COOLANT IS AVAILABLE AT THE FOLLOWING LOCATIONS:**

- In the Mercedes-Benz Specification for Operating Fluids 320.1
  - At https://operatingfluids.mercedes-benz.com
- At a qualified specialist workshop

**NOTE**
Overheating at high outside temperatures

If an inappropriate coolant is used, the cooling system is not sufficiently protected against overheating and corrosion at high outside temperatures.

- ► Only use coolant approved for Mercedes-Benz.
- ► Observe the instructions in the Mercedes-Benz Specifications for Operating Fluids 320.1.

Have the coolant regularly replaced at a qualified specialist workshop.

**PROPORTION OF ANTIFREEZE CONCENTRATE IN THE COOLING SYSTEM:**

- A minimum of 50% (antifreeze protection down to about -35°F (-37°C))
- A maximum of 55% (antifreeze protection down to -49°F (-45°C))

**COOLANT FILLING QUANTITY**

**COOLANT**

| Model | Quantity |
|---|---|
| E 450 4MATIC | 19.0 US qt (18.0 liters) |
| All other models | 14.8 US qt (14.0 liters) |

### COOLANT FILLING QUANTITY (MERCEDES-AMG VEHICLES)

### COOLANT

| Model | Filling quantity |
|---|---|
| Mercedes-AMG E 53 Hybrid 4MATIC+ (Sedan) | 17.2 US qt (16.3 l) |
| Mercedes-AMG E 53 Hybrid 4MATIC+ (Wagon) | 16.3 US qt (15.4 l) |

## Notes on windshield washer fluid

Observe the notes on operating fluids (⟶ page 821).

**WARNING**
- Risk of fire and injury from windshield washer concentrate

Windshield washer concentrate is highly flammable. It could ignite if it comes into contact with hot engine component parts or the exhaust system.

► Make sure that no windshield washer concentrate spills out next to the filler opening.

**NOTE**
Damage to the exterior lighting due to unsuitable windshield washer fluid

Unsuitable windshield washer fluid may damage the plastic surface of the exterior lighting.

► Only use windshield washer fluid which is also suitable for use on plastic surfaces, e.g. MB SummerFit or MB WinterFit.

**NOTE**
Blocked spray nozzles caused by mixing windshield washer fluids

► Do not mix MB SummerFit and MB WinterFit with other windshield washer fluids.

Do not use distilled or de-ionized water. Otherwise, the fill level sensor may be actuated incorrectly.

### RECOMMENDED WINDSHIELD WASHER FLUID:

- above freezing point:MB SummerFit, for example
- below freezing point:MB WinterFit, for example

For the correct mixing ratio, refer to the information on the antifreeze container.

Mix washer fluid with windshield washer fluid all year round.

## Refrigerant

### NOTES ON REFRIGERANT

Observe the notes on operating fluids (⟶ page 821).

**NOTE**
Damage due to incorrect refrigerant

If a non-approved refrigerant is used, the climate control system may be damaged.

► Use only R-1234yf refrigerant.

**NOTE**
Damage to the climate control system due to incorrect refrigerant compressor oil

- Only use refrigerant compressor oil that has been approved by Mercedes-Benz.
- Do not mix the approved refrigerant compressor oil with a different refrigerant compressor oil.

The refrigerant system should only be serviced by trained technicians certified to SAE Standard J2845 to insure proper and safe operation.

All applicable specifications, as well as SAE-Standard J639, must be strictly observed if reliable and proper maintenance is to be guaranteed.

The air conditioning evaporator (cooling coil) shall never be repaired or replaced with one removed from a used or salvaged vehicle and that new replacement MAC evaporators shall be certified (and labeled) as meeting SAE Standard J2842 HFO-1234yf and R744 Design Criteria and Certification for OEM Mobile Air Conditioning Evaporator and Service Replacements.

The information label on the climate control system for the refrigerant type and the refrigerant compressor oil (PAG-oil) is located on the inside of the hood.




Information label

1. Hazard and service warning symbols (see table below for symbol definitions)
2. Refrigerant filling quantity
3. $CO_2$ equivalent of the refrigerant used
4. Applicable standards
5. PAG oil part number
6. GWP (Global Warming Potential) of the refrigerant used
7. Refrigerant type

## SYMBOLS AND DEFINITIONS

| Symbol Name | Reference | Graphic |
|---|---|---|
| Caution | ISO 7000 0434 | |
| Air Conditioning System (MAC) | ISO 2575 001 | |
| MAC System Lubricant Type (PAG POE) | | |
| Requires Registered Technician to Service MAC system | | |
| Flammable Refrigerant | | |

## FILLING CAPACITY FOR REFRIGERANT AND PAG OIL

### REFRIGERANT FILLING CAPACITY

| Model | |
|---|---|
| All models | 21.2 ± 0.4 oz (600 ± 10 g) |

### FILLING CAPACITY FOR PAG OIL

| Model | |
|---|---|
| All models | 2.8 ± 0.4 oz (80 ± 10 g) |

## FILLING QUANTITY FOR REFRIGERANT AND PAG OIL (MERCEDES-AMG VEHICLES)

### REFRIGERANT FILLING QUANTITY

| Sedan and Wagon | |
|---|---|
| Mercedes-AMG E 53 Hybrid 4MATIC+ | 22.2 ± 0.4 oz (630 ± 10 g) |

### FILLING QUANTITY FOR PAG OIL

| Sedan and Wagon | |
|---|---|
| Mercedes-AMG E 53 Hybrid 4MATIC+ | 5.6 ± 0.4 oz (160 ± 10 g) |

# Vehicle data

## Vehicle dimensions

**THE HEIGHTS SPECIFIED MAY VARY AS A RESULT OF THE FOLLOWING FACTORS:**

- Tires
- Load
- Condition of the suspension
- Special equipment

**VEHICLE DIMENSIONS (E 350)**

| E 350 | |
|---|---|
| Vehicle length | 194.9 in (4951 mm) |
| Vehicle width including outside mirrors | 81.3 in (2065 mm ) |
| Wheelbase | 116.6 in (2961 mm) |
| Vehicle height | 57.9 in (1470 mm) |
| Turning circle | 38.1 ft (11.6 m) |

**VEHICLE DIMENSIONS (E 350 4MATIC)**

| E 350 4MATIC | |
|---|---|
| Vehicle length | 194.9 in (4951 mm) |
| Vehicle width including outside mirrors | 81.3 in (2065 mm ) |
| Wheelbase | 116.6 in (2961 mm) |
| Vehicle height | 57.8 in (1469 mm) |
| Turning circle | 39.4 ft (12.0 m) |

**VEHICLE DIMENSIONS (E 450 4MATIC)**

| E 450 4MATIC | |
|---|---|
| Vehicle length | 194.9 in (4951 mm) |
| Vehicle width including outside mirrors | 81.3 in (2065 mm ) |
| Wheelbase | 116.6 in (2961 mm) |
| Vehicle height | 57.8 in (1469 mm) |
| Turning circle | 39.4 ft (12.0 m) |

## Vehicle dimensions (Mercedes-AMG vehicles)

**THE HEIGHTS SPECIFIED MAY VARY AS A RESULT OF THE FOLLOWING FACTORS:**

- Tires
- Load
- Condition of the suspension

- Special equipment

**VEHICLE DIMENSIONS (SEDAN)**

| Mercedes-AMG E 53 Hybrid 4MATIC+ (Sedan) | Vehicle dimensions |
|---|---|
| Vehicle length | 195.3 in (4961 mm) |
| Vehicle width including outside mirrors | 81.3 in (2065 mm) |
| Vehicle height | 58.0 in (1472 mm) |
| Wheelbase | 117.0 in (2971 mm) |
| Turning circle | 41.11 ft (12.53 m) |

**VEHICLE DIMENSIONS (WAGON)**

| Mercedes-AMG E 53 Hybrid 4MATIC+ (Wagon) | Vehicle dimensions |
|---|---|
| Vehicle length | 195.3 in (4961 mm) |
| Vehicle width including outside mirrors | 81.3 in (2065 mm) |
| Vehicle height | 58.4 in (1483 mm) |
| Wheelbase | 117.0 in (2971 mm) |
| Turning circle | 41.11 ft (12.53 m) |

## Weights and loads

Bear in mind that special equipment increases the curb weight and reduces the payload. Vehicle-specific weight information can be found on the vehicle identification plate.

## Weights and loads (Mercedes-AMG vehicles)

Bear in mind that special equipment increases the curb weight and reduces the payload. Vehicle-specific weight information can be found on the vehicle identification plate.

## Maximum design speeds (Mercedes-AMG vehicles)

The following values only apply to vehicles with the AMG Driver's Package.

The maximum design speed may differ from the stated figures in practice. It depends on the operating conditions, the special equipment, and tire size.

Missing values were not yet available at the time of going to press.

**MAXIMUM DESIGN SPEED**

| Sedan and Wagon |
|---|
| Mercedes-AMG E 53 Hybrid 4MATIC+ |

## High-voltage battery (Mercedes-AMG hybrid)

You can find information on the range in all-electric mode on the driver display (→ page 376).

Missing values were not yet available by the editorial deadline.

## ENERGY CONTENT AND CHARGING TIMES

| Sedan and Wagon<br>Mercedes-AMG E 53 Hybrid 4MATIC+ | |
|---|---|
| Type | Lithium-ion |
| Usable energy content | |
| Purely electric range | |
| Charging time – level 1*<br>with 1.4 kW charging power | Approx. 22 h 30 min |
| Charging time – level 2*<br>with 9.6 kW charging power | Approx. 2 h 45 min |
| Charging time – level 3<br>with 60 kW charging power | Approx. 20 min |

*** MERCEDES-BENZ RECOMMENDS A MINIMUM CHARGING POWER OF 1.4 KW/PHASE FOR RELIABLE CHARGING. THE FOLLOWING IS RECOMMENDED FOR EFFICIENT CHARGING:**

- When charging at the socket (level 1), always use the maximum possible charging power.
- When charging at the wallbox or charging station (level 2), a minimum charging power of 1.8 kW/phase.

Level 1 and 2 charging times – apply to AC charging from 0% to 100% of the usable energy content. Level 3 charging time – applies to DC charging from 10% to 80% of the usable energy content.

The time it takes to charge the battery depends on the state of health of the battery, the ambient temperature and the charging power of the battery. The charging power, in turn, depends on the supply voltage, the current and the type of power supply.

The rated voltage range for your vehicle can be found on the information label in the socket flap.

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# Display messages and warning/indicator lamps

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
You can return here at any time via the navigation bar at the top left.

Display messages
Warning and indicator lamps

# Display messages

## Introduction

**INFORMATION REGARDING DISPLAY MESSAGES**
Display messages appear on the driver display.

Display messages shown as a graphic are simplified in the Operator's Manual and may differ from the symbols on the driver display. The driver display shows high-priority display messages in red. Certain display messages will be accompanied by a warning tone.

Follow the notifications in the display messages and observe the additional information in this Operator's Manual.

**SYMBOLS WILL ALSO BE SHOWN WITH SOME DISPLAY MESSAGES:**

- ⓘ Further information
- × Hide display message

You can select the respective symbol by swiping left or right on the left-hand Touch Control. Press ⓘ to display further information on the central display. Press × to hide the display message.

You can hide pending display messages by pressing the back button ↩ or via the left-hand Touch Control. The display messages will then be stored in the message memory.

Rectify the cause of a display message as quickly as possible.

High-priority display messages cannot be hidden. The driver display will show these display messages continuously until the cause of the display message has been rectified.

**CALLING UP SAVED DISPLAY MESSAGES**
Driver display:

→ Service

The Message Memory message appears on the driver display.

- Scroll through the display messages by swiping upwards or downwards on the left-hand Touch Control.
- **To exit the display:** press the back button ↩ .

# Occupant safety

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Restraint System Malfunction Service Required | * The restraint system is malfunctioning (⟶ page 138). |

**WARNING**
Risk of injury due to malfunctions in the restraint system

Components in the restraint system may be activated unintentionally or not deploy as planned in an accident.

- ▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop.

**Plug-in hybrid:**

**DANGER**
Risk of death due to the restraint system malfunctioning

Components in the restraint system may be activated unintentionally or not deploy as intended in an accident. In the event of an accident, the high-voltage on-board electrical system may not be deactivated as intended.

You may receive an electric shock if you touch the damaged components of the high-voltage on-board electrical system.

- ▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop.
- ▶ After an accident, switch off the vehicle immediately.

**DETECTION OF A RESTRAINT SYSTEM MALFUNCTION:**

- The restraint system warning lamp does not light up when the vehicle is switched on.
- The restraint system warning lamp lights up continuously or repeatedly during a journey.

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | ▶ Consult a qualified specialist workshop immediately. |
|  Front Left Malfunction Service Required | * The restraint system is malfunctioning (⟶ page 138).<br><br>**⚠ WARNING**<br>Risk of injury due to malfunctions in the restraint system<br>Components in the restraint system may be activated unintentionally or not deploy as planned in an accident.<br>► Have the restraint system checked and repaired immediately at a qualified specialist workshop.<br><br>**Plug-in hybrid:**<br><br>**⚠ DANGER**<br>Risk of death due to the restraint system malfunctioning<br>Components in the restraint system may be activated unintentionally or not deploy as intended in an accident. In the event of an accident, the high-voltage on-board electrical system may not be deactivated as intended.<br>You may receive an electric shock if you touch the damaged components of the high-voltage on-board electrical system.<br>► Have the restraint system checked and repaired immediately at a qualified specialist workshop.<br>► After an accident, switch off the vehicle immediately.<br><br>**DETECTION OF A RESTRAINT SYSTEM MALFUNCTION:**<br>• The restraint system warning lamp does not light up when the vehicle is switched on.<br>• The restraint system warning lamp lights up continuously or repeatedly during a journey.<br>► Consult a qualified specialist workshop immediately. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Front Right Malfunction Service Required | * The restraint system is malfunctioning (⟶ page 138). |

**WARNING**
Risk of injury due to malfunctions in the restraint system

Components in the restraint system may be activated unintentionally or not deploy as planned in an accident.

- ▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop.

**Plug-in hybrid:**

**DANGER**
Risk of death due to the restraint system malfunctioning

Components in the restraint system may be activated unintentionally or not deploy as intended in an accident. In the event of an accident, the high-voltage on-board electrical system may not be deactivated as intended.

You may receive an electric shock if you touch the damaged components of the high-voltage on-board electrical system.

- ▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop.
- ▶ After an accident, switch off the vehicle immediately.

**DETECTION OF A RESTRAINT SYSTEM MALFUNCTION:**

- The restraint system warning lamp does not light up when the vehicle is switched on.
- The restraint system warning lamp lights up continuously or repeatedly during a journey.

▶ Consult a qualified specialist workshop immediately.

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Second Row of Seats, Left Malfunction Service Required | * The restraint system is malfunctioning (⟶ page 138). |

**WARNING**
Risk of injury due to malfunctions in the restraint system

Components in the restraint system may be activated unintentionally or not deploy as planned in an accident.

- ▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop.

**Plug-in hybrid:**

**DANGER**
Risk of death due to the restraint system malfunctioning

Components in the restraint system may be activated unintentionally or not deploy as intended in an accident. In the event of an accident, the high-voltage on-board electrical system may not be deactivated as intended.

You may receive an electric shock if you touch the damaged components of the high-voltage on-board electrical system.

- ▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop.
- ▶ After an accident, switch off the vehicle immediately.

**DETECTION OF A RESTRAINT SYSTEM MALFUNCTION:**

- The restraint system warning lamp does not light up when the vehicle is switched on.
- The restraint system warning lamp lights up continuously or repeatedly during a journey.

▶ Consult a qualified specialist workshop immediately.

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Second Row of Seats, Center Malfunction Service Required | * The restraint system is malfunctioning (⟶ page 138). |

**WARNING**
Risk of injury due to malfunctions in the restraint system

Components in the restraint system may be activated unintentionally or not deploy as planned in an accident.

- ▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop.

**Plug-in hybrid:**

**DANGER**
Risk of death due to the restraint system malfunctioning

Components in the restraint system may be activated unintentionally or not deploy as intended in an accident. In the event of an accident, the high-voltage on-board electrical system may not be deactivated as intended.

You may receive an electric shock if you touch the damaged components of the high-voltage on-board electrical system.

- ▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop.
- ▶ After an accident, switch off the vehicle immediately.

**DETECTION OF A RESTRAINT SYSTEM MALFUNCTION:**

- The restraint system warning lamp does not light up when the vehicle is switched on
- The restraint system warning lamp lights up continuously or repeatedly during a journey

▶ Consult a qualified specialist workshop immediately.

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Second Row of Seats, Right Malfunction Service Required | * The restraint system is malfunctioning (⟶ page 138). |

**WARNING**
Risk of injury due to malfunctions in the restraint system

Components in the restraint system may be activated unintentionally or not deploy as planned in an accident.

- ▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop.

**Plug-in hybrid:**

**DANGER**
Risk of death due to the restraint system malfunctioning

Components in the restraint system may be activated unintentionally or not deploy as intended in an accident. In the event of an accident, the high-voltage on-board electrical system may not be deactivated as intended.

You may receive an electric shock if you touch the damaged components of the high-voltage on-board electrical system.

- ▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop.
- ▶ After an accident, switch off the vehicle immediately.

**DETECTION OF A RESTRAINT SYSTEM MALFUNCTION:**

- The restraint system warning lamp does not light up when the vehicle is switched on.
- The restraint system warning lamp lights up continuously or repeatedly during a journey.

▶ Consult a qualified specialist workshop immediately.

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  <br>Left Window Airbag Malfunction Service Required | * The restraint system is malfunctioning (⟶ page 138).<br><br>**⚠ WARNING**<br>Risk of injury or fatal injury due to a malfunction in the window curtain airbag<br>The window curtain airbag might be triggered unintentionally or might not be triggered at all in the event of an accident.<br>► Have the window curtain airbag checked and repaired immediately at a qualified specialist workshop.<br><br>► Consult a qualified specialist workshop immediately. |
|  <br>Right Window Airbag Malfunction Service Required | * The restraint system is malfunctioning (⟶ page 138).<br><br>**⚠ WARNING**<br>Risk of injury or fatal injury due to a malfunction in the window curtain airbag<br>The window curtain airbag might be triggered unintentionally or might not be triggered at all in the event of an accident.<br>► Have the window curtain airbag checked and repaired immediately at a qualified specialist workshop.<br><br>► Consult a qualified specialist workshop immediately. |
| Front Passenger Airbag Disabled See Operator's Manual | * The front passenger air bag and the front passenger knee air bag have been disabled even though an adult, or an individual of adult build is occupying the front passenger seat. If additional forces are applied to the seat, the weight the system detects may be too low. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | **WARNING**<br>Risk of injury- or fatalities if the front passenger air bag is deactivated<br>If the front passenger air bag is deactivated, it will not be released in the event of an accident and can not therefore provide the protection for which it is designed.<br>An occupant on the front passenger seat may then collide with parts of the vehicle interior, forexample, in particular if they are sitting too close to the cockpit.<br>► Ensure correct status of the front passenger air bag both prior to and during the journey.<br>▶ Stop the vehicle immediately in accordance with the traffic conditions.<br>▶ Ensure that no objects are trapped under the front passenger seat.<br>▶ Check the status of automatic front passenger air bag shutoff (⟶ page 139).<br>▶ If necessary, consult a qualified specialist workshop immediately. |
| Front Passenger Airbag Enabled See Operator's Manual | * **THE FRONT PASSENGER AIR BAG AND THE FRONT PASSENGER KNEE AIR BAG WILL BE ENABLED WHILE THE VEHICLE IS IN MOTION DESPITE THE FOLLOWING:**<br>• A child, a small adult or an object weighing less than the system weight threshold is located on the front passenger seat.<br>• The front passenger seat is not occupied.<br>The system may detect objects or forces that are adding to the weight applied to the seat. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | **WARNING**<br>Risk of injury or death when using a child restraint system while the front passenger airbag is enabled<br>If you secure a child in a child restraint system on the front passenger seat and the front passenger airbag is enabled, the front passenger airbag can deploy in the event of an accident.<br>The child could be struck by the airbag.<br>▶ Ensure, both before and during the journey, that the status of the front passenger airbag is correct.<br>NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur.<br>▶ Stop the vehicle immediately in accordance with the traffic conditions.<br>▶ Ensure that no objects are trapped under the front passenger seat.<br>▶ Check the status of automatic front passenger air bag shutoff (⟶ page 139).<br>▶ If necessary, consult a qualified specialist workshop immediately. |
| Occupant Presence Reminder Inoperative | * The passive occupant presence reminder is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  <br>Do Not Leave People or Animals in the Vehicle | * The passive occupant presence reminder assumes that persons or animals are present in the rear passenger compartment of the vehicle.<br>▶ Do not leave any persons or animals in the vehicle after exiting the vehicle. |

# SmartKey

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  <br>Replace Key Battery | * The key battery is discharged.<br>▶ Change the battery (⟶ page 181). |
|  <br>Key Not Detected (white display message) | * The key is currently undetected.<br>▶ Change the location of the key in the vehicle.<br>▶ Try to start the vehicle.<br>▶ If the key is still not detected, place it in the marked space for starting with the key (⟶ page 312).<br>▶ Start the vehicle. |
|  <br>Key Not Detected (red display message) | * The key can no longer be detected during a journey and may no longer be in the vehicle.<br>**IF THE KEY IS NO LONGER IN THE VEHICLE AND YOU SWITCH OFF THE VEHICLE:**<br>• You will no longer be able to start the vehicle.<br>• You will not be able to lock the vehicle centrally.<br>▶ Ensure that the key is in the vehicle.<br>If the key is in the vehicle and is still not detected:<br>▶ Stop the vehicle immediately in accordance with the traffic conditions.<br>▶ Place the key in the marked space for starting the vehicle with the key (⟶ page 312).<br>The key battery is at low capacity or is flat.<br>▶ Check the battery via the indicator lamp (⟶ page 178). |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | ▶ Replace the key battery as necessary (⟶ page 181). |
|  Initializing Key Please Wait | * The vehicle is processing in order to teach in the new key.<br>▶ Wait until processing is complete. |
|  Don't Forget Your Key | * A warning tone will also sound. This message reminds you to take your key with you when you leave the vehicle. |
| Place the Key in the Marked Space See Operator's Manual | * Key detection is malfunctioning.<br>▶ Change the location of the key in the vehicle.<br>▶ Place the key in the marked space for starting the vehicle with the key (⟶ page 312). |
| Searching for Key in Stowage Tray or Digital Vehicle Key in Inductive Charging Bracket... See Operator's Manual | * The key has not been detected.<br>▶ Place the key in the storage compartment (⟶ page 312).<br>If the key is still not detected:<br>▶ Consult a qualified specialist workshop.<br>* The Digital Vehicle Key has not been detected.<br>▶ Place the Digital Vehicle Key in the marked space (⟶ page 312).<br>If the Digital Vehicle Key is still not detected:<br>▶ Consult a qualified specialist workshop. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  <br>Key Not Detected | * The key or the Digital Vehicle Key is currently undetected.<br>▶ Change the location of the key or the Digital Vehicle Key in the vehicle.<br>▶ Try to start the vehicle.<br>▶ If the key is still not detected, place the key in the storage compartment (⟶ page 312).<br>▶ If the Digital Vehicle Key is still not detected, place the Digital Vehicle Key in the marked space (⟶ page 312).<br>▶ Start the vehicle. |
|  <br>Key Not Detected Place Digital Vehicle Key in Mobile Phone Cradle | * The key or the Digital Vehicle Key is no longer detected during a journey and may no longer be in the vehicle.<br>**IF THE KEY OR THE DIGITAL VEHICLE KEY IS NO LONGER IN THE VEHICLE AND YOU SWITCH THE VEHICLE OFF:**<br>• You will no longer be able to start the vehicle.<br>• You will not be able to lock the vehicle centrally.<br>▶ Ensure that the key or the Digital Vehicle Key is in the vehicle.<br>If the key or the Digital Vehicle Key is in the vehicle and is still not detected:<br>▶ Stop the vehicle immediately in accordance with the traffic conditions.<br>▶ Place the key in the storage compartment (⟶ page 312).<br>▶ Place the Digital Vehicle Key in the marked space (⟶ page 312).<br>The key battery is at low capacity or is flat.<br>▶ Check the battery via the indicator lamp (⟶ page 178).<br>▶ Replace the key battery as necessary (⟶ page 181).<br>The state of charge for the rechargeable battery of the end device with the Digital Vehicle Key is too low. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | ▶ Immediately charge the rechargeable battery of the Digital Vehicle Key end device.<br><br>Otherwise, it may not be possible to restart the vehicle after it has been switched off.<br><br>If the key or the Digital Vehicle Key is still not detected:<br><br>▶ Consult a qualified specialist workshop. |
|  <br>Replace SmartKey See Operator's Manual | * If the Digital Vehicle Key is not renewed, the vehicle cannot be unlocked/locked or started.<br><br>▶ The system will automatically renew the Digital Vehicle Key.<br>When renewal is complete, the message disappears and the Digital Vehicle Key will be available once again. |
|  <br>Take SmartKey With You | * A warning tone will also sound. This message reminds you to take your key with you when you leave the vehicle. This also applies to the Digital Vehicle Key. |
|  <br>Digital Vehicle Key Charge Device | * The state of charge for the rechargeable battery of the end device with the Digital Vehicle Key is too low.<br><br>▶ Immediately charge the rechargeable battery of the Digital Vehicle Key end device. |
|  <br>Initializing Key Please Wait | * The vehicle is processing in order to teach in the new Digital Vehicle Key.<br><br>▶ Wait until processing is complete. |
|  <br>Key Does Not Belong to Vehicle | * The vehicle cannot be unlocked/locked or started.<br><br>▶ Use the Digital Vehicle Key belonging to the vehicle. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Obtain a New Key | * Have the key replaced.<br>▶ Consult a qualified specialist workshop. |

# Lights

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Malfunction See Operator's Manual | * The exterior lighting is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  Automatic Driving Lights Inoperative | * The light sensor for automatic driving lights is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  Switch On Headlights | * You are driving without low beam headlamps.<br>▶ Turn the light switch to position  or AUTO. |
|  Switch Off Lights | * You are exiting the vehicle and the lights are still switched on.<br>▶ Turn the light switch to position AUTO. |
| DIGITAL LIGHT Functions Limited | * The DIGITAL LIGHT system is malfunctioning. The lighting system will continue to work even without the functions of the DIGITAL LIGHT system.<br>▶ Consult a qualified specialist workshop. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| Adaptive Highbeam Assist Plus Currently Unavailable See Operator's Manual | * Adaptive Highbeam Assist Plus is temporarily unavailable.<br>The system limits have been reached (⟶ page 273).<br>The system will become available again when the cause of the problem is rectified. The Adaptive Highbeam Assist Plus Now Available display message will appear.<br>▶ Continue driving.<br>▶ Operate the high beam manually until Adaptive Highbeam Assist Plus is available again. |
| Adaptive Highbeam Assist Plus Inoperative | * Adaptive Highbeam Assist Plus is malfunctioning.<br>▶ Continue driving.<br>or<br>▶ Stop the vehicle in accordance with the traffic conditions and restart the vehicle.<br>▶ If the display message does not disappear, consult a qualified specialist workshop.<br>▶ Until then, operate the high beam manually. |
| Adaptive Highbeam Assist Currently Unavailable See Operator's Manual | * Adaptive Highbeam Assist is temporarily unavailable.<br>The system limits have been reached (⟶ page 272).<br>The system will become available again when the cause of the problem is rectified. The Adaptive Highbeam Assist Now Available display message will appear.<br>▶ Continue driving.<br>▶ Operate the high beam manually until Adaptive Highbeam Assist becomes available once again. |
| Adaptive Highbeam Assist Inoperative | * Adaptive Highbeam Assist is malfunctioning.<br>▶ Continue driving.<br>or<br>▶ Stop the vehicle in accordance with the traffic conditions and restart the vehicle.<br>▶ If the display message does not disappear, consult a qualified specialist workshop. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | ▶ Until then, operate the high beam manually. |
|  Parking Light Front Left | * The front left parking light is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  Parking Light Front Right | * The front right parking light is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  Check Left Low Beam | * The left low beam is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  Check Right Low Beam | * The right low beam is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  Check Left Cornering Light | * The left cornering light is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  Check Right Cornering Light | * The right cornering light is malfunctioning.<br>▶ Consult a qualified specialist workshop. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Tail Light Left | * The left tail light is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  Tail Light Right | * The right tail light is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  Check Left High Beam | * The left high beam is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  Check Right High Beam | * The right high beam is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  Check Left Daytime Running Light | * The left daytime running lights are malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  Check Right Daytime Running Light | * The right-hand daytime running lights are malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  Turn Signal Indicator, Front Left | * The front left turn signal lamp is malfunctioning.<br>▶ Consult a qualified specialist workshop. |

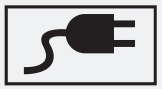
| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Turn Signal Indicator, Rear Left | * The rear passenger compartment left turn signal lamp is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  Turn Signal Indicator, Front Right | * The front right turn signal lamp is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  Turn Signal Indicator, Rear Right | * The rear passenger compartment right turn signal lamp is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  Turn Signal Indicator, Left Mirror | * The turn signal lamp on the left mirror is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  Turn Signal Indicator, Right Mirror | * The turn signal lamp on the right mirror is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  Brake Light Left | * The left brake light is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  Brake Light Right | * The right brake light is malfunctioning.<br>▶ Consult a qualified specialist workshop. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Center Brake Light | * The third brake light is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  Reversing Light | * The reversing light is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  Rear Fog Light | * The rear fog light is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  License Plate Light | * The license plate lamp is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
| Hazard Warning Light Malfunction | * The hazard warning switch is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
| Indicator Lamp in Driver's Display Inoperative Service Required | * An indicator lamp on the driver display is defective.<br>▶ Consult a qualified specialist workshop. |

# Climate control

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Currently Not Available Charging of the High-voltage Battery Not Completed | * The high-voltage battery is charging. Pre-entry climate control cannot be switched on.<br>▶ Wait until the charging process has achieved a minimum state of charge. |
|  Currently Not Available Charge High-voltage Battery | * The charge of the high-voltage battery is too low. Pre-entry climate control cannot be switched on.<br>▶ Charging the high-voltage battery (⟶ page 354). |
|  Pre-entry Climate Control Available Again via SmartKey after Vehicle Start | * You have attempted to switch on pre-entry climate control more than twice with the vehicle switched off.<br>▶ Start the vehicle for ten seconds.<br>Pre-entry climate control is operational again. |
|  Pre-entry Climate Control via SmartKey Currently Not Available. High-voltage Battery Low | * The charge of the high-voltage battery is too low. Pre-entry climate control cannot be switched on.<br>▶ Charge the high-voltage battery (⟶ page 354).<br>Pre-entry climate control will become operational again when the high-voltage battery is sufficiently charged. |

# Drive system

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  <br>Towing Not Permitted See Operator's Manual | * The drive system is malfunctioning.<br>▶ Have the vehicle transported using only a transporter or trailer (⟶ page 701). |
|  <br>Acoustic Presence Indicator Inoperative | * The sound generator (acoustic vehicle alerting system) is malfunctioning. No vehicle noises are being produced. The vehicle may not be heard by other road users.<br>▶ Drive with utmost caution.<br>▶ Consult a qualified specialist workshop. |
|  <br>Charging Cable Connected | * You cannot pull away while the charging cable is connected.<br>▶ Disconnect the charging cable from the vehicle. |
| Not Possible to Unlock Charging Cable See Operator's Manual | * The charging cable connector cannot be removed from the vehicle socket.<br>▶ If the charging cable is under strain, relieve the strain on the charging cable connector by carefully pulling on the charging cable.<br>▶ Press the charging interruption button (⟶ page 369).<br>If the charging cable connector cannot be subsequently removed:<br>▶ Consult a qualified specialist workshop. |
| Vehicle Not Currently Being Charged Try a Different Charging Station | * A malfunction has occurred in the charging station or the RFID card is not recognize.<br>▶ Start the charging process at a different charging station.<br>or<br>▶ Use an alternative authentication method or payment method. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| Charging Fault Change Charging Mode See Operator's Manual | * A temporary malfunction has occurred in the charging station.<br>▶ Wait until the malfunction has passed.<br>or<br>▶ Start the charging process at a different charging station.<br>or<br>▶ Use an alternative authentication method or payment method. |
| AC Charging Inoperative Service Required | * The charging process cannot be started due to a malfunction.<br>▶ Consult a qualified specialist workshop. |
| DC Charging Inoperative Service Required | * The charging process cannot be started due to a malfunction.<br>▶ Consult a qualified specialist workshop. |
| Authentication Failed Use Different Authentication Method or Charging Station | * Plug-and-Charge is not expected to be available at this charging station.<br>▶ Use an alternative authentication method or payment method.<br>or<br>▶ Start the charging process at a different charging station. |
| Only Electric Drive Available Power Limited | * The fuel supply is empty and the combustion engine is switched off. The output of your vehicle is limited because you are driving in electric mode.<br>▶ Refuel immediately.<br>Subsequently, there may be temporary restrictions in the availability of electric mode over a distance of 31 miles (50 km).<br>If there is fuel in the vehicle, there is a fault in the combustion engine.<br>▶ Consult a qualified specialist workshop. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| "Electric" Drive Program Currently Unavailable | * The state of charge for the high-voltage battery or the environmental conditions are not sufficient for the Electric drive program.<br>▶ Continue driving and observe the notes on plug-in hybrid operation (⟶ page 306).<br>or<br>▶ Charge the high-voltage battery (⟶ page 354). |
| Reduced Drive Power See Operator's Manual | * The drive system switches to emergency operation mode due to a malfunction.<br>▶ Continue driving with caution.<br>▶ Consult a qualified specialist workshop. |
| Preparing Drive System... | * The insulation of the drive system is being tested. This process can last for up to ten seconds. |
|  <br>Battery Overheated Stop! Everyone Get Out! Outdoors if Possible | * **Plug-in hybrid:** the high-voltage battery is overheated. There is a risk of fire.<br>▶ Stop the vehicle immediately in accordance with the traffic conditions.<br>▶ If possible, stop the vehicle in the open air and ensure that all vehicle occupants exit the vehicle.<br>ⓘ Supporting vehicle functions may activate automatically (e.g. the climate control's air-recirculation mode).<br>▶ Do not continue driving.<br>▶ In the event of smoke, leave the danger zone and notify the fire service immediately.<br>▶ Notify a qualified specialist workshop even if there are no external signs of fire. |
|  <br>Malfunction | * The drive system is malfunctioning. A warning tone will also sound.<br>▶ Consult a qualified specialist workshop. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Malfunction Service Required | * The drive system is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  Have High-Voltage System Checked See Operator's Manual | * A function restriction has occurred in the drive system.<br>▶ Consult a qualified specialist workshop. |
| Service Required Do Not Change Transmission Position | * The transmission is malfunctioning. It is no longer possible to change the transmission position.<br>▶ If transmission position D is engaged, consult a qualified specialist workshop and do not change the transmission position.<br>▶ For all other transmission positions, park the vehicle safely.<br>▶ Consult a qualified specialist workshop or breakdown service. |
| Do Not Restart Vehicle Service Required | * It is not possible to restart the drive system due to a malfunction.<br>▶ Do not switch the drive system off; continue driving to the nearest qualified specialist workshop. |
|  Drive Power and Range Reduced See Operator's Manual | * A malfunction has occurred in the high-voltage battery.<br>Output and range will be severely restricted.<br>▶ Switch off and lock the vehicle.<br>▶ After waiting for a short time, unlock the vehicle and start it again.<br>If the display message appears again:<br>▶ Continue driving with caution.<br>▶ Fully charge the high-voltage battery (⟶ page 354). |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | If the output and range are still reduced, there is a malfunction in the drive system.<br>▶ Continue driving with caution.<br>▶ Consult a qualified specialist workshop. |
| Cannot Start Vehicle See Operator's Manual | * It is not possible to start the vehicle.<br>A malfunction has occurred in the drive system.<br>▶ Switch off and lock the vehicle.<br>▶ After waiting for a short time, unlock the vehicle and start it again.<br>▶ If the display message appears again and the vehicle does not start, consult a qualified specialist workshop. |
| Drive Malfunction Achievable Speed Limited Stop Soon | * The drive system is malfunctioning.<br>Maximum vehicle speed is restricted. The drive system will shut off within a few kilometers.<br>▶ Stop the vehicle immediately in accordance with the traffic conditions and switch the drive system off. Do not continue driving.<br>▶ Do not tow the vehicle; stop towing if necessary.<br>▶ Consult a qualified specialist workshop. |
| Drive Malfunction Achievable Speed Severely Limited See Operator's Manual | * The drive system is malfunctioning.<br>Maximum vehicle speed is restricted.<br>▶ Consult a qualified specialist workshop. |
|  <br>Malfunction | * The drive system is malfunctioning. The output of your vehicle is restricted.<br>▶ Consult a qualified specialist workshop. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  <br>Stop Switch Off Vehicle | * The drive system is malfunctioning.<br>▶ Stop the vehicle immediately in accordance with the traffic conditions and switch the drive system off. Do not continue driving.<br>▶ Do not tow the vehicle; stop towing if necessary.<br>▶ Consult a qualified specialist workshop. |
|  <br>Performance Extremely Limited | * The drive system is outside the normal operating temperature range (e.g.due to extremely low or high outside temperatures).<br>Output will be severely restricted.<br>Once the operating temperature of the drive system returns to normal, full output will be available again. The display message will disappear.<br>* If the drive system power output is still reduced, there is a malfunction in the drive system.<br>▶ Continue driving with caution.<br>▶ Consult a qualified specialist workshop. |
| High-Voltage Battery Fault No Start in Approx. XXX mi Service Required (yellow display message) | * A malfunction has occurred in the high-voltage battery.<br>It will no longer be possible to start the electric drive system after the distance displayed has been covered.<br>▶ Have the necessary maintenance work on the high-voltage battery carried out at a qualified specialist workshop. |
| High-Voltage Battery Fault No Start in Approx. XXX mi Service Required (red display message) | * A malfunction has occurred in the high-voltage battery.<br>It will no longer be possible to start the electric drive system after the distance displayed has been covered.<br>▶ Have the necessary maintenance work on the high-voltage battery carried out immediately at a qualified specialist workshop. |
| Hight-Voltage Battery Fault Do Not Restart Service Required | * A malfunction has occurred in the high-voltage battery.<br>It will no longer be possible to restart the drive system once it has been switched off.<br>▶ Do not switch the drive system off; continue driving to the nearest qualified specialist workshop. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Please Wait Depressurizing Fuel Tank | * **Vehicles with gasoline engine:** the pressure in the fuel tank needs to be reduced before the fuel filler flap is opened. This pressure reduction can take up to 15 minutes. |
|  Fuel Tank Is Depressurized Ready for Refueling | * **Vehicles with gasoline engine:** the pressure in the fuel tank is released and the fuel filler flap opens. |

# Vehicle

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  | * The driver display is inoperative due to a failed software update.<br><br>The display message will be shown every time the vehicle is started.<br><br>**⚠ WARNING**<br>Risk of accident if the driver's display fails<br>If the driver's display fails or malfunctions, you may not be aware of any functional limitations to safety-critical systems. This may affect the operating safety of the vehicle.<br>▶ Park the vehicle safely as soon as possible and notify a qualified specialist workshop.<br><br>If the operating safety of your vehicle is impaired; park the vehicle in a safe place immediately. Notify a qualified specialist workshop.<br>If the driver display fails, you may fail to recognizefunction restrictions affecting safety-critical systems or the speed display, for example. The operating safety of the vehicle may be impaired (⟶ page 545).<br><br>▶ Have the vehicle checked by a qualified specialist workshop immediately. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| Cannot Start Vehicle See Operator's Manual | * The vehicle cannot be started.<br>▶ Switch the vehicle off and then back on again.<br>▶ If the display message still appears, consult a qualified specialist workshop.<br>* **Vehicles with 48 V on-board electrical system:** the state of charge for the 48 V battery is too low. You can no longer start the vehicle.<br>▶ Switch off electrical consumers that are not required.<br>▶ Connect a suitable charger approved for Mercedes-Benz with sufficient charging power to the jump-start connection point of the 12 V battery (⟶ page 64).<br>The 48 V battery is charged via the voltage converter in the vehicle. |
| Vehicle Ready to Drive Shutdown Occurs When Locked or Automatically in XX Mins | * You are about to leave the vehicle and the engine is running.<br>The vehicle will switch off automatically in 20 minutes.<br>▶ To prevent the vehicle from switching off automatically, acknowledge the message on the central display of the multimedia system.<br>* You are in the vehicle. Park position P is engaged and the engine is running.<br>This display message will appear on the driver display after a certain delay time. The vehicle will then switch off automatically after an overall delay time of 20 minutes .<br>▶ To prevent the vehicle from switching off automatically, acknowledge the message on the central display of the multimedia system. |
| Vehicle Ready to Drive Shutdown Occurs When Locked or After a Few Minutes | * You are exiting the vehicle with operational readiness established.<br>▶ Exit the vehicle, secure it against rolling away, and take the key with you.<br>▶ If you do not leave the vehicle, switch off the electrical consumers (e.g.,the seat heating). Otherwise, the 12-V battery may discharge and starting the engine will then only be possible with the help of a second battery (starting assistance). |
|  <br>Add Washer Fluid | * The washer fluid level in the washer fluid reservoir has dropped below the minimum fill level.<br>▶ Top up washer fluid (⟶ page 36). |
| Windshield Wiper Malfunction | * The windshield wiper is malfunctioning. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | ▶ Restart the vehicle.<br><br>If the display message does not disappear:<br><br>▶ Consult a qualified specialist workshop. |
| Head-up Display Currently Unavailable See Operator's Manual | * **THE HEAD-UP DISPLAY IS TEMPORARILY UNAVAILABLE. POSSIBLE CAUSES:**<br>• Faults in the power supply<br>• Signal interference<br>▶ Stop in accordance with the traffic conditions and switch the vehicle off and then on again.<br>▶ If the display message does not disappear, consult a qualified specialist workshop. |
| Head-up Display Inoperative | * The head-up display is indicating an internal error.<br>▶ Consult a qualified specialist workshop. |
| Head-up Display Brightness Currently Reduced See Operator's Manual | * **THE BRIGHTNESS OF THE HEAD-UP DISPLAY IS REDUCED. POSSIBLE CAUSES:**<br>• Dirt on the windshield in the camera's field of vision<br>• Faulty exterior brightness signals<br>▶ Switch on the windshield wipers.<br>▶ Clean the windshield as necessary.<br>▶ Switch the vehicle off and then back on.<br>▶ If the display message does not disappear, consult a qualified specialist workshop. |
|  <br>Steering Malfunction Stop Immediately See Operator's Manual | * The steering is malfunctioning. Steering capability is significantly impaired. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|

**WARNING**
Risk of accident if steering capability is impaired

If the steering does not function as intended, the vehicle's operating safety is jeopardized.

- ► Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. Do not continue driving under any circumstances.
- ► Consult a qualified specialist workshop.

► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.

► Consult a qualified specialist workshop.



Steering Malfunction Increased Physical Effort See Operator's Manual

* The power steering assistance is malfunctioning.

**WARNING**
Risk of an accident due to altered steering characteristics

If the power assistance of the steering fails partially or completely, you will need to use more force to steer.

- ► If safe steering is possible, drive on carefully.
- ► Visit or consult a qualified specialist workshop immediately.

► If safe steering is possible, continue driving with caution.

► Consult or notify a qualified specialist workshop immediately.

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  <br>Steering Malfunction Drive Carefully Service Required | * A power steering malfunction has occurred. Steering characteristics may be impaired as a result.<br>▶ Continue driving with caution.<br>▶ Consult a qualified specialist workshop. |
|  <br>Rear Axle Steering Currently Malfunctioning | * Rear axle steering is temporarily unavailable. The turning circle may become wider.<br>▶ Stop the vehicle in accordance with the traffic conditions and restart the vehicle.<br>If the display message does not disappear:<br>▶ Continue driving with caution.<br>▶ Consult a qualified specialist workshop. |
|  <br>Rear Axle Steering Malfunction Service Required | * The rear axle steering is malfunctioning.<br>The rear axle has no steering capability.<br>The steering wheel may be at an angle when you drive in a straight line.<br>▶ Adapt your speed and continue driving with caution.<br>▶ Consult a qualified specialist workshop immediately. |
|  <br>Rear Axle Steering Malfunction Stop Immediately | * The rear axle steering is malfunctioning.<br>The rear axle has no steering capability.<br>The steering wheel may be at a significant angle when you drive in a straight line.<br>Depending on the steering wheel's angled position, the steering wheel will also vibrate and a continuous warning tone will sound. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | **WARNING**<br>Risk of accident if steering capability is impaired<br>If the steering does not function as intended, the vehicle's operating safety is jeopardized.<br>▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. Do not continue driving under any circumstances.<br>▶ Consult a qualified specialist workshop.<br>▶ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.<br>▶ When stopping, it should be noted that the vehicle now has a greater width.<br>▶ Consult a qualified specialist workshop. |
| Snow Chain Mode Maximum Speed Exceeded | * The maximum permissible speed for Snow Chain Mode has been exceeded.<br>▶ Reduce your speed. |
| Ambient Lighting Warning Support Inoperative | * The ambient lighting may not provide full visual warning support.<br>▶ Lock the vehicle and then unlock it again after a few minutes.<br>▶ If the display message appears repeatedly, contact a qualified specialist workshop. |
|  | * The hood is open. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | **WARNING**<br>Risk of accident due to driving with the hood unlocked<br>The hood may open and block your view.<br>► Never release the hood when driving.<br>► Before every trip, ensure that the hood is locked.<br>► Stop the vehicle immediately in accordance with the traffic conditions.<br>► Close the hood. |
|  | * At least one door is open.<br>► Close all doors. |
|  | * The trunk lid is open.<br>**DANGER**<br>Risk of fatal injury from toxic exhaust gases when the trunk lid is open<br>Combustion engines emit toxic exhaust gases such as carbon monoxide. Inhaling these exhaust gases is hazardous to health and leads to poisoning. Exhaust gases can enter the vehicle interior if the trunk lid is open when the engine is running, especially if the vehicle is in motion.<br>► Always switch off the engine before opening the trunk lid.<br>► Never drive with the trunk lid open.<br>► Close the trunk lid. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| Function Blocked by Folded Center Backrest | * You cannot electrically unlock the left seat backrest.<br>▶ Fold the center seat backrest back until it engages. |
|  <br>Rear Left Backrest Not Latched | * The seat backrest of the corresponding seat is not locked in place.<br>▶ Fold the seat backrest back until it locks in place. |
|  <br>Rear Right Backrest Not Latched | * The seat backrest of the corresponding seat is not locked in place.<br>▶ Fold the seat backrest back until it locks in place. |
| 4matic Currently Unavailable | * 4MATIC is currently unavailable.<br>▶ Continue driving with caution.<br>▶ Consult a qualified specialist workshop. |
| 4matic Inoperative | * 4MATIC is inoperative.<br>▶ Continue driving with caution.<br>▶ Consult a qualified specialist workshop. |

# Engine

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| To Switch Off Vehicle Press and Hold Start/Stop Button for at Least 3 Seconds or Press 3 Times | * You have pressed the Start/Stop button while the vehicle is in motion.<br>▶ Information on switching off the vehicle while it is in motion (⟶ page 310). |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Check Coolant Level See Operator's Manual | * The coolant level is too low.<br>**NOTE**<br>Engine damage due to insufficient coolant<br>▶ Avoid long journeys with insufficient coolant.<br>▶ Add coolant (⟶ page 668).<br>▶ Have the engine cooling system checked at a qualified specialist workshop. |
|  Coolant Stop Switch Off Vehicle | * The coolant is too hot.<br>▶ Stop immediately in accordance with the traffic conditions and switch off the vehicle.<br>**WARNING**<br>Risk of burns when opening the hood<br>**IF YOU OPEN THE HOOD IN THE EVENT OF AN OVERHEATED ENGINE OR FIRE IN THE ENGINE COMPARTMENT, THE FOLLOWING SITUATIONS MAY OCCUR:**<br>• You may come into contact with hot gases.<br>• You may come into contact with other escaping hot operating fluids.<br>▶ Before opening the hood, allow the engine to cool down.<br>▶ In the event of a fire in the engine compartment, keep the hood closed and call the fire service.<br>▶ Wait until the engine has cooled down.<br>▶ Ensure that the air supply to the radiator is not obstructed. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | ▶ Avoiding high loads on the engine, drive to the nearest qualified specialist workshop. Additionally, ensure that the coolant temperature display remains below the red marking. |
|  Fuel Reserve | * The fuel supply has dropped into the reserve range.<br>▶ Refuel. |
|  Fuel Filler Cap Open | * The fuel filler cap is not closed correctly or the fuel system is leaking.<br>▶ Close the fuel filler cap.<br>▶ **If the fuel filler cap was already properly closed:** consult a qualified specialist workshop. |

# Transmission

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| Shift to P Only When Vehicle Is Stationary | * It is possible to select the park position P only if the vehicle is stationary.<br>▶ Depress the brake pedal to stop.<br>▶ Shift the transmission to park position P with the vehicle at a standstill. |
| Depress Brake to Shift from P | * You have attempted to shift the transmission out of park position P and into another transmission position.<br>▶ Depress the brake pedal.<br>▶ Engage transmission position D, R or neutral N. |
| To Deselect P or N Depress Brake and Start Vehicle | * You have attempted to shift the transmission out of park position P or neutral N and into another transmission position.<br>▶ Depress the brake pedal.<br>▶ Start the vehicle.<br>▶ Change the transmission position. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| Depress Brake to Shift to D or R | * You have attempted to engage transmission position D or R.<br>▶ Depress the brake pedal.<br>▶ Engage transmission position D or R. |
| Depress Brake to Shift to R | * You have attempted to select transmission position R.<br>▶ Depress the brake pedal.<br>▶ Select transmission position R. |
| Service Required Apply Parking Brake to Park | * A malfunction has occurred in the emergency power supply to park position P.<br>▶ Consult a qualified specialist workshop.<br>▶ Until then, always select park position P manually before you switch off the vehicle.<br>▶ Before exiting the vehicle, apply the electric parking brake. |
| Risk of Vehicle Rolling Away Driver's Door Open Position P Not Selected | * The driver's door is not fully closed and transmission position D, R or neutral N is engaged.<br>The vehicle may roll away.<br>▶ Engage park position P when parking the vehicle. |
| Risk of Vehicle Rolling Away Apply Parking Brake When Parking | * The transmission is malfunctioning. Park position P cannot be engaged.<br>▶ Park the vehicle safely.<br>▶ Use the electric parking brake to secure the vehicle against rolling away.<br>▶ On gradients, turn the front wheels so that the vehicle will roll towards the curb if it starts moving. |
| Risk of Vehicle Rolling Away N Activated Manually No Automatic Change to P | * While the vehicle was at a standstill or driving at very low speed, neutral N was engaged with the engine running or the vehicle switched on. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | **NOTE**<br>Damage to the vehicle due to rolling away<br>When the vehicle is switched off or the driver's door is opened, automatic engagement of park position P is deactivated.<br>The vehicle may roll away.<br>▶ Be ready to brake.<br>▶ Do not leave the vehicle unattended.<br>▶ Depress the brake pedal until the vehicle comes to a standstill.<br>▶ Engage park position P when the vehicle is stationary with the brake pedal depressed.<br>▶ To continue driving with the brake pedal depressed, engage transmission position D or R. |
| N Automatically Activated Please Shift to Transmission Position Again | * Neutral N was automatically engaged when the vehicle was rolling or being driven.<br>When you open the driver's door in neutral N, park position P will be engaged automatically.<br>▶ Engage park position P when the vehicle is stationary with the brake pedal depressed.<br>▶ To continue driving with the brake pedal depressed, select transmission position D or R. |
| N is Engaged Shift to Desired Drive Range | * The accelerator pedal was depressed while the vehicle was rolling or moving in neutral N.<br>▶ To accelerate the vehicle, engage transmission position D or R. |
| To shift to N, hold selector lever longer in N position | * Selector lever not held for long enough in position N.<br>It will only be possible to change from park position P to neutral N if the selector lever is held in N for an extended period of time. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | If the selector lever is not held for long enough, park position P will remain engaged.<br>▶ When changing from park position P to neutral N, hold the selector lever in position N for an extended period of time. |
| Reversing Not Possible Service Required | * The transmission is malfunctioning. It is not possible to engage transmission position R.<br>▶ Consult a qualified specialist workshop. |
| Transmission Malfunction Stop | * The transmission is malfunctioning. The transmission shifts to neutral N automatically.<br>▶ Stop the vehicle immediately in accordance with the traffic conditions.<br>▶ Depress the brake pedal.<br>▶ Engage park position P.<br>▶ Consult a qualified specialist workshop. |
| Service Required Do Not Change Transmission Position | * The transmission is malfunctioning. It is no longer possible to change the transmission position.<br>▶ If transmission position D is engaged, consult a qualified specialist workshop and do not change the transmission position.<br>▶ For all other transmission positions, park the vehicle safely.<br>▶ Consult a qualified specialist workshop or breakdown service. |
| Auxiliary Battery Malfunction (white display message) | * There is a malfunction in the auxiliary battery.<br>▶ Consult a qualified specialist workshop.<br>▶ Until then, always select park position P manually before you switch off the vehicle.<br>▶ Before exiting the vehicle, apply the electric parking brake. |
| Auxiliary Battery Malfunction (red display message) | * There is a malfunction in the auxiliary battery.<br>▶ Consult a qualified specialist workshop.<br>▶ Until then, always select park position P manually before you switch off the vehicle.<br>▶ Before exiting the vehicle, apply the electric parking brake. |

# Brakes

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| PARK<br>(USA only)<br>(P)<br>(Canada only)<br>Parking Brake See Operator's Manual | * The yellow indicator lamp (P) is lit. The electric parking brake is malfunctioning.<br>**To apply:**<br>▶ Switch the vehicle off and then back on again.<br>▶ Apply the electric parking brake manually (⟶ page 387).<br>If it is not possible to apply the electric parking brake:<br>▶ Consult a qualified specialist workshop.<br>▶ Where necessary, also secure the parked vehicle against rolling away.<br>* The yellow indicator lamp (P) and the red indicator lamp PARK (USA only) or (P) (Canada only) are lit. The electric parking brake is malfunctioning.<br>**To release:**<br>▶ Switch the vehicle off and then back on again.<br>▶ Release the electric parking brake manually (⟶ page 387).<br>or<br>▶ Release the electric parking brake automatically (⟶ page 386).<br>If it is still not possible to release the electric parking brake:<br>▶ Do not continue driving. Consult a qualified specialist workshop.<br>* The yellow indicator lamp (P) is lit and the red indicator lamp PARK (USA only) or (P) (Canada only) is flashing. The electric parking brake is malfunctioning.<br>The electric parking brake could not be applied or released.<br>▶ Switch the vehicle off and then back on again.<br>**To apply:** |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | ▶ Release and then apply the electric parking brake manually (⟶ page 387).<br><br>**To release:**<br><br>▶ Apply and then release the electric parking brake manually.<br><br>If the electric parking brake cannot be applied or the red indicator lamp PARK (USA only) or (P) (Canada only) continues flashing:<br><br>▶ Do not continue driving. Consult a qualified specialist workshop.<br><br>▶ Where necessary, also secure the parked vehicle against rolling away.<br>* The yellow indicator lamp (P) is lit and the red indicator lamp PARK (USA only) or (P) (Canada only) flashes for approximately ten seconds after the electric parking brake has been applied or released. It then remains lit or goes out. The electric parking brake is malfunctioning.<br><br>**If the state of charge is too low:**<br><br>▶ Charge the 12 V battery (⟶ page 64).<br><br>**To apply:**<br><br>▶ Apply the electric parking brake manually.<br><br>If it is not possible to apply the electric parking brake:<br><br>▶ Consult a qualified specialist workshop.<br><br>▶ Where necessary, also secure the parked vehicle against rolling away.<br><br>**To release:**<br><br>▶ If the conditions for automatic release are fulfilled and the electric parking brake is not released automatically, release the electric parking brake manually (⟶ page 387).<br><br>If it is still not possible to release the electric parking brake: |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | ▶ Do not continue driving. Consult a qualified specialist workshop. |
|  (USA only)  (Canada only) Release Parking Brake | * The red indicator lamp PARK (USA only) or (P) (Canada only) is flashing.<br>**THE ELECTRIC PARKING BRAKE IS APPLIED WHILE YOU ARE DRIVING:**<br>• A condition for automatic release of the electric parking brake has not been fulfilled (⟶ page 386).<br>• You are performing emergency braking using the electric parking brake (⟶ page 388).<br>▶ Check the conditions for automatic release of the electric parking brake.<br>▶ Release the electric parking brake manually. |
|  (USA only)  (Canada only) Switch on Vehicle to Release the Parking Brake | * The red indicator lamp PARK (USA only) or (P) (Canada only) is lit.<br>You have attempted to release the electric parking brake with the vehicle switched off.<br>▶ Switch on the vehicle. |
|  (USA only)  (Canada only) Brake Immediately | * A malfunction has occurred while the HOLD function was activated.<br>A horn may also sound at regular intervals.<br>You cannot start the vehicle.<br>▶ Immediately depress the brake pedal firmly until the display message disappears.<br>You can start the vehicle again. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| BRAKE<br>(USA only)<br>  <br>(Canada only)<br>Malfunction See Operator's Manual | * The brake force boosting function is impaired.<br>The Hill Start Assist may be impaired.<br>**⚠ WARNING**<br>Risk of an accident due to a brake system malfunction<br>If the brake system is malfunctioning, braking characteristics may be impaired.<br>► Drive on carefully.<br>► Have the brake system checked immediately at a qualified specialist workshop.<br>► Adjust your speed and drive on carefully, at a suitable distance from the vehicle in front.<br>► Consult a qualified specialist workshop. |
| BRAKE<br>(USA only)<br>  <br>(Canada only)<br>Malfunction Stop | * The brake force boosting function is impaired and the braking characteristics may be affected.<br>**⚠ WARNING**<br>Risk of accident and injury if brake force boosting is malfunctioning<br>If brake force boosting is malfunctioning, increased brake pedal force may be necessary for braking. The braking characteristics may be impaired. The braking distance can increase in emergency braking situations.<br>► Stop in a safe location immediately. Do not continue driving.<br>► Consult a qualified specialist workshop.<br>► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.<br>► Consult a qualified specialist workshop. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  (USA only)  (Canada only) Check Brake Fluid Level | * There is insufficient brake fluid in the brake fluid reservoir.<br>**WARNING**<br>Risk of an accident due to low brake fluid level<br>If the brake fluid level is too low, the braking effect and the braking characteristics may be impaired.<br>▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. Do not continue driving under any circumstances.<br>▶ Consult a qualified specialist workshop.<br>▶ Do not add brake fluid.<br>▶ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.<br>▶ Do not add brake fluid.<br>▶ Consult a qualified specialist workshop. |
| Check Brake Pads See Operator's Manual | * The brake linings have reached the wear limit.<br>▶ Consult a qualified specialist workshop. |

# Driving and driving safety systems

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Currently Unavailable See Operator's Manual (ABS and ESP®) | * ABS and ESP® are temporarily unavailable.<br>Other driving systems and driving safety systems (e.g.,BAS) may also be temporarily unavailable.<br>The brake system continues to function normally. Braking distance may increase in an emergency braking situation. |

| Display messages | Possible causes/consequences and ▶ Solutions |
| --- | --- |
| | **WARNING**<br>Risk of skidding if ABS and ESP® are malfunctioning<br>The wheels may lock during braking and ESP® does not perform any vehicle stabilization.<br>The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.<br>► Drive carefully on a suitable stretch of road, making slight steering movements at a speed above 19 mph (30 km/h).<br>► If the display message does not disappear, consult a qualified specialist workshop immediately. Drive carefully.<br>► Drive with caution on a suitable stretch of road, executing slight steering movements at a speed above 19 mph (30 km/h).<br>► If the display message does not disappear, consult a qualified specialist workshop immediately. Continue driving with caution. |
|  <br>Inoperative See Operator's Manual (ABS and ESP®) | * ABS and ESP® are malfunctioning.<br>Other driving systems and driving safety systems (e.g.,BAS) may also be malfunctioning.<br>The brake system continues to function normally. Braking distance may increase in an emergency braking situation. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|

**WARNING**
Risk of skidding if ABS and ESP® are malfunctioning

The wheels may block during braking and ESP® does not perform any vehicle stabilization.

The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.

- ▶ Drive on carefully.
- ▶ Have ABS and ESP® checked immediately at a qualified specialist workshop.

- ▶ Continue driving with caution.
- ▶ Consult a qualified specialist workshop immediately.



Currently Unavailable See Operator's Manual (ESP®)

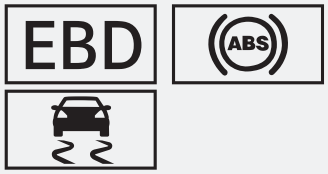
* ESP® is temporarily unavailable.

Other driving systems and driving safety systems (e.g.BAS) may also be malfunctioning.

**WARNING**
Risk of skidding due to ESP® malfunction

If ESP® is unavailable, ESP® will not carry out vehicle stabilization. In addition, other driving safety systems are switched off.

- ▶ Drive with caution on a suitable stretch of road, executing slight steering movements at a speed above 19 mph (30 km/h).
- ▶ If the display message does not disappear, consult a qualified specialist workshop immediately. Proceed with caution if you continue driving in this situation.

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | ▶ Drive with caution on a suitable stretch of road, executing slight steering movements at a speed above 19 mph (30 km/h).<br>▶ If the display message does not disappear, consult a qualified specialist workshop immediately. Proceed with caution if you continue driving in this situation. |
|  <br>Inoperative See Operator's Manual (ESP®) | * ESP® is malfunctioning.<br>Other driving systems and driving safety systems (e.g.,BAS) may also be malfunctioning.<br>The brake system continues to function normally. Braking distance may increase in an emergency braking situation.<br>**WARNING**<br>Risk of skidding if ESP® is malfunctioning<br>If ESP® is malfunctioning, ESP® cannot carry out vehicle stabilization. In addition, other driving safety systems are switched off.<br>▶ Drive on carefully.<br>▶ Have ESP® checked at a qualified specialist workshop.<br>▶ Continue driving with caution.<br>▶ Consult a qualified specialist workshop immediately. |
|  <br>Inoperative See Operator's Manual (EBD, ABS, and ESP®) | * EBD, ABS, and ESP® are malfunctioning.<br>Other driving systems and driving safety systems (e.g.,BAS) may also be malfunctioning. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | **WARNING**<br>Risk of skidding if EBD, ABS and ESP® are malfunctioning<br>The wheels may block during braking and ESP® does not perform any vehicle stabilization.<br>The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.<br>▶ Drive on carefully.<br>▶ Have the brake system checked immediately at a qualified specialist workshop.<br>▶ Continue driving with caution.<br>▶ Consult a qualified specialist workshop immediately. |
| HOLD<br>Off | * The HOLD function is deactivated due to the vehicle sliding or because a condition for activation is not fulfilled.<br>▶ Reactivate the HOLD function later or check the activation conditions for the HOLD function (⟶ page 399). |
|  <br>ATTENTION ASSIST: Take a Break! | * ATTENTION ASSIST has detected fatigue or an increasing lack of concentration on the part of the driver (⟶ page 401).<br>▶ If necessary, take a break. |
|  <br>ATTENTION ASSIST Nodding Off Take a Break! | * ATTENTION ASSIST has detected indicators of microsleep (⟶ page 401).<br>A warning tone will also sound.<br>▶ Take a break immediately.<br>▶ Press the left-hand Touch Control and acknowledge the display message. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  <br>Remain Alert! (white display message) | * ATTENTION ASSIST has detected that the driver is averting their gaze from traffic events (⟶ page 401).<br>A warning tone will also sound.<br>▶ Focus on the traffic events again. |
|  <br>Remain alert, otherwise emergency stop will be initiated (yellow display message) | * ATTENTION ASSIST has detected that the driver is not focusing on traffic events after a warning has been issued (⟶ page 401).<br>A continuous warning tone will also sound.<br>▶ Immediately return your attention to the traffic events.<br>▶ Press the right-hand Touch Control and acknowledge the display message.<br>If the driver still does not react to the warning, an emergency stop can be initiated by the system. (⟶ page 417) |
|  <br>- - - mph | * Cruise control cannot be activated because not all activation conditions are fulfilled.<br>▶ Observe the activation conditions for cruise control (⟶ page 404). |
| Cruise Control Inoperative | * Cruise control is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
| Cruise Control Off | * Cruise control has been deactivated.<br>If there is an additional warning tone, cruise control has been deactivated automatically (⟶ page 403). |
| Traffic Sign Assist Currently Unavailable See Operator's Manual | * Traffic Sign Assist is temporarily unavailable.<br>The system will become available again when the cause of the problem is rectified.<br>▶ Continue driving in compliance with the traffic regulations. |
| Traffic Sign Assist Inoperative | * Traffic Sign Assist is malfunctioning.<br>▶ Continue driving in compliance with the traffic regulations. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | or<br><br>▶ Stop the vehicle in accordance with the traffic conditions and restart the vehicle.<br>▶ If the display message does not disappear, consult a qualified specialist workshop. |
|  <br>Malfunction Do Not Exceed 50 mph | * AIRMATIC is functioning only to a limited extent. The vehicle's handling characteristics may be affected.<br><br>**NOTE**<br>The tires on the front axle or the fenders could be damaged by large steering movements<br>▶ Avoid large steering movements while driving and listen for scraping sounds.<br>▶ If you hear scraping sounds, pull over and stop the vehicle in accordance with the traffic conditions, and set a higher vehicle level if possible.<br><br>▶ Drive in a manner appropriate for the current level, but do not exceed 50 mph (80 km/h).<br>▶ Consult a qualified specialist workshop. |
|  <br>Malfunction Do Not Exceed 50 mph | * AMG RIDE CONTROL is malfunctioning. The vehicle's handling characteristics may be affected.<br><br>▶ Do not drive at speeds greater than 50 mph (80 km/h).<br>▶ Consult a qualified specialist workshop. |
| AMG Ride Control Function Limited See Operator's Manual | * At least one of the main functions of AMG RIDE CONTROL is malfunctioning.<br><br>The system is outside the operating temperature range or the on-board electrical system voltage is too low.<br><br>The system will become available again when the cause of the problem is rectified. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|

**NOTE**
The vehicle's suspension and damping behavior is restricted. The vehicle body may tilt heavily to the side during cornering.

- ▶ Drive on carefully.
- ▶ Reduce speed considerably before taking a bend.
- ▶ Avoid sudden steering movements.

- ▶ Continue driving with caution.
- ▶ Reduce speed considerably before turning into a bend.
- ▶ Avoid sudden steering movements.



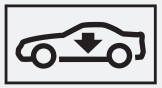
STOP Vehicle Level Too Low

* You have pulled away despite the vehicle level being too low.

- ▶ Stop the vehicle in accordance with the traffic conditions.
  The vehicle will be raised to the selected vehicle level.
- ▶ Wait until the display message disappears before pulling away.

If the display message does not disappear and a warning tone also sounds, AIRMATIC is malfunctioning:

- ▶ Do not drive at speeds greater than 50 mph (80 km/h) and consult a qualified specialist workshop immediately.

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | **NOTE**<br>The tires on the front axle or the fenders could be damaged by large steering movements<br>▶ Avoid large steering movements while driving and listen for scraping sounds.<br>▶ If you hear scraping sounds, pull over and stop the vehicle in accordance with the traffic conditions, and set a higher vehicle level if possible.<br><br>▶ Set a higher vehicle level (⟶ page 441).<br>Depending on the fault, the vehicle will be raised. |
|  <br>Lowering | * **THE VEHICLE LEVEL WILL LOWER FOR THE FOLLOWING REASONS:**<br>• You have selected a different drive program.<br>• You have exceeded the speed limit.<br>• You have changed the vehicle level by pressing the button. |
|  <br>Rising | * Your vehicle is adjusting to the level you have selected. |
|  <br>Vehicle Rising Please Wait | * The vehicle level is too low. The vehicle will be raised to the selected vehicle level.<br>▶ Wait until the display message disappears before pulling away. |
|  <br>Do Not Exceed 12mph | * AIRMATIC is functioning only to a limited extent.<br>The current level is too high. The vehicle's handling characteristics may be affected.<br>▶ Do not drive at speeds greater than 12 mph (20 km/h).<br>▶ Consult a qualified specialist workshop. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Slow Down | * You are driving too fast for the selected vehicle level.<br>▶ Reduce your speed and then select the desired vehicle level again. |
|  Compressor Is Cooling | * Due to frequent height adjustments within a short space of time, the compressor first needs to cool down in order to set the selected vehicle level.<br>▶ Continue driving in a manner appropriate for the current level. Ensure that there is sufficient ground clearance.<br>When the compressor has cooled down, the vehicle will continue rising to the selected vehicle level. |
| RACE START Not Possible See Operator's Manual | * **POSSIBLE CAUSES:**<br>• The activation conditions have not been fulfilled (⟶ page 444). |
| RACE START Canceled | * **POSSIBLE CAUSES:**<br>• you released the accelerator pedal during RACE START.<br>• you depressed the brake pedal during RACE START.<br>▶ You can try RACE START again at the next start. |

# Driver assistance systems

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| Emergency Stop Initiated To Cancel: Operate Steering Wheel and a Pedal | * No driver activity (e.g. steering or accelerating) was detected for an extended period. Active Emergency Stop Assist will initiate an emergency stop (⟶ page 415).<br>▶ Place your hands on the steering wheel.<br>▶ Move the steering wheel.<br>▶ Accelerate or brake. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | Information on Canceling an emergency stop (⟶ page 417). |
|  --- mph | * Active Distance Assist DISTRONIC cannot be activated because not all activation conditions are fulfilled.<br>▶ Comply with the activation conditions of Active Distance Assist DISTRONIC (⟶ page 409). |
|  Suspended | * If you depress the accelerator pedal beyond the setting of Active Distance Assist DISTRONIC, the system will switch to passive mode (⟶ page 406). |
|  Off | * Active Distance Assist DISTRONIC was deactivated. If a warning tone also sounds, Active Distance Assist DISTRONIC has deactivated automatically (⟶ page 409). |
| Active Distance Assist Currently Unavailable See Operator's Manual | * Active Distance Assist DISTRONIC is temporarily unavailable.<br>The ambient conditions are outside the system limits (⟶ page 406).<br>The system will become available again as soon as the ambient conditions are within the system limits.<br>▶ Continue driving with caution.<br>or<br>▶ If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the vehicle. |
| Active Distance Assist Inoperative | * Active Distance Assist DISTRONIC is malfunctioning.<br>Other driving systems and driving safety systems may also be malfunctioning.<br>▶ Continue driving with caution.<br>or<br>▶ Stop the vehicle in accordance with traffic conditions and restart the vehicle. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | ▶ If the display message does not disappear, consult a qualified specialist workshop. |
| Active Distance Assist Now Available | * Active Distance Assist DISTRONIC is operational again.<br>▶ Switch on Active Distance Assist DISTRONIC (⟶ page 409). |
| Active Brake Assist Functions Currently Limited See Operator's Manual | * **FOR VEHICLES WITH THE DRIVING ASSISTANCE PACKAGE, THE FOLLOWING FUNCTIONS MAY BE TEMPORARILY UNAVAILABLE OR ONLY AVAILABLE TO A LIMITED EXTENT:**<br>• Active Brake Assist with cross-traffic function<br>• Evasive Steering Assist<br>• PRE-SAFE® PLUS<br>**Vehicles with Blind Spot Assist:** PRE-SAFE® PLUS is temporarily unavailable.<br>The ambient conditions are outside the system limits (⟶ page 424).<br>▶ Continue driving with caution.<br>The system will become available again as soon as the ambient conditions are within the system limits.<br>or<br>▶ If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the vehicle. |
| Active Brake Assist Functions Limited See Operator's Manual | * **FOR VEHICLES WITH THE DRIVING ASSISTANCE PACKAGE, THE FOLLOWING FUNCTIONS MAY BE TEMPORARILY UNAVAILABLE OR ONLY AVAILABLE TO A LIMITED EXTENT:**<br>• Active Brake Assist with cross-traffic function<br>• Evasive Steering Assist<br>• PRE-SAFE® PLUS<br>▶ Continue driving with caution.<br>or |

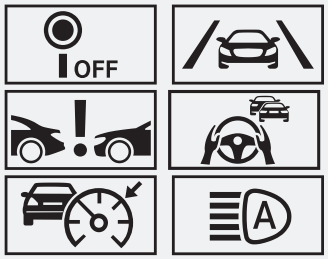
| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | ▶ Stop the vehicle in accordance with traffic conditions and restart the vehicle.<br>▶ If the display message does not disappear, consult a qualified specialist workshop. |
| Active Steering Assist Currently Unavailable See Operator's Manual | * Active Steering Assist is temporarily unavailable.<br>The ambient conditions are outside the system limits (⟶ page 415).<br>The system will become available again as soon as the ambient conditions are within the system limits.<br>▶ Continue driving.<br>▶ Check the tire pressure as necessary. |
| Active Steering Assist Inoperative | * Active Steering Assist is malfunctioning. Active Distance Assist DISTRONIC is still available.<br>▶ Continue driving.<br>or<br>▶ Stop the vehicle in accordance with the traffic conditions and restart the vehicle.<br>▶ If the display message does not disappear, consult a qualified specialist workshop. |
|  | * Active Steering Assist has reached the system limits (⟶ page 415).<br>You have not steered independently for a considerable period of time.<br>▶ Resume manual steering and continue driving in accordance with the traffic conditions. |
| Active Steering Assist Currently Unavailable Due to Multiple Emergency Stops | * Active Steering Assist is temporarily unavailable due to multiple emergency stops.<br>▶ Resume manual steering and stop in accordance with the traffic conditions.<br>▶ Switch the vehicle off and then back on again.<br>Active Steering Assist is available once more. |
| Active Emergency Stop Assist Currently Unavailable See Operator's Manual | * Active Emergency Stop Assist is temporarily unavailable.<br>The ambient conditions are outside the system limits (⟶ page 417).<br>The system will become available again as soon as the ambient conditions are within the system limits. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | ▶ Continue driving.<br>or<br>▶ If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the vehicle.<br>* **Vehicles without Driving Assistance Package:** Active Emergency Stop Assist is temporarily unavailable due to multiple emergency stops.<br>▶ Resume manual steering and stop in accordance with the traffic conditions.<br>▶ Switch the vehicle off and then back on again.<br>Active Emergency Stop Assist will be available once more. |
| Active Emergency Stop Assist Inoperative | * Active Emergency Stop Assist is malfunctioning.<br>▶ Continue driving.<br>or<br>▶ Stop the vehicle in accordance with the traffic conditions and restart the vehicle.<br>▶ If the display message does not disappear, consult a qualified specialist workshop. |
| Active Lane Change Assist Currently Unavailable See Operator's Manual | * Active Lane Change Assist is temporarily unavailable.<br>The ambient conditions are outside the system limits (⟶ page 419).<br>The system will become available again as soon as the ambient conditions are within the system limits.<br>▶ Continue driving.<br>or<br>▶ If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the vehicle. |
| Active Lane Change Assist Inoperative | * Active Lane Change Assist is malfunctioning.<br>▶ Continue driving.<br>or |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | ▶ Stop the vehicle in accordance with the traffic conditions and restart the vehicle.<br>▶ If the display message does not disappear, consult a qualified specialist workshop. |
| Automatic Lane Change Currently Unavailable See Operator's Manual | * The automatic lane change is temporarily unavailable.<br>The ambient conditions are outside the system limits (⟶ page 419).<br>The system will become available again as soon as the ambient conditions are within the system limits.<br>▶ Continue driving.<br>or<br>▶ If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the vehicle. |
| Automatic Lane Change Inoperative | * The automatic lane change is malfunctioning.<br>▶ Continue driving.<br>or<br>▶ Stop the vehicle in accordance with the traffic conditions and restart the vehicle.<br>▶ If the display message does not disappear, consult a qualified specialist workshop. |
| Active Stop & Go Assist Currently Unavailable See Operator's Manual | * Active Stop-and-Go Assist is temporarily unavailable. Active Distance Assist DISTRONIC and Active Steering Assist are still available.<br>The ambient conditions are outside the system limits (⟶ page 406).<br>The system will become available again as soon as the ambient conditions are within the system limits.<br>▶ Continue driving. |
| Active Stop & Go Assist Inoperative See Operator's Manual | * Active Stop-and-Go Assist is malfunctioning.<br>Active Stop-and-Go Assist is deactivated. Active Distance Assist DISTRONIC and Active Steering Assist are still available.<br>▶ Continue driving. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | or<br><br>▶ Stop the vehicle in accordance with the traffic conditions and restart the vehicle.<br>▶ If the display message does not disappear, consult a qualified specialist workshop. |
| Blind Spot Assist and Exiting Warning Currently Unavailable See Operator's Manual | * Blind Spot Assist is temporarily unavailable.<br><br>The system limits have been reached (⟶ page 434).<br><br>The system will become available again when the cause of the problem is rectified.<br><br>▶ Continue driving.<br><br>or<br><br>▶ If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the vehicle. |
| Blind Spot Assist and Exit Warning Inoperative | * Blind Spot Assist or the exit warning is malfunctioning.<br><br>▶ Continue driving.<br><br>or<br><br>▶ Stop the vehicle in accordance with traffic conditions and restart the vehicle.<br>▶ If the display message does not disappear, consult a qualified specialist workshop. |
| Active Blind Spot Assist and Exit Warning Currently Unavailable See Operator's Manual | * Active Blind Spot Assist is temporarily unavailable.<br><br>The system limits have been reached (⟶ page 434).<br><br>The system will become available again when the cause of the problem is rectified.<br><br>▶ Continue driving.<br><br>or<br><br>▶ If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the vehicle. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| Active Blind Spot Assist and Exit Warning Inoperative | * Active Blind Spot Assist or the exit warning is malfunctioning.<br>▶ Continue driving.<br>or<br>▶ Stop the vehicle in accordance with the traffic conditions and restart the vehicle.<br>▶ If the display message does not disappear, consult a qualified specialist workshop. |
| Active Lane Keeping Assist Currently Unavailable See Operator's Manual | * Active Lane Keeping Assist is temporarily unavailable.<br>The ambient conditions are outside the system limits (⟶ page 437).<br>The system will become available again as soon as the ambient conditions are within the system limits.<br>▶ Continue driving. |
| Active Lane Keeping Assist Inoperative | * Active Lane Keeping Assist is malfunctioning.<br>▶ Continue driving.<br>or<br>▶ Stop the vehicle in accordance with the traffic conditions and restart the vehicle.<br>▶ If the display message does not disappear, consult a qualified specialist workshop. |
| Active Lane Keeping Assist Limited Range of Functions See Operator's Manual | * Active Lane Keeping Assist is available but restricted.<br>▶ Continue driving.<br>or<br>▶ Stop the vehicle in accordance with the traffic conditions and restart the vehicle.<br>▶ If the display message does not disappear, consult a qualified specialist workshop. |
|  <br>Initiating Emergency Stop | * Your hands are not on the steering wheel. Active Lane Keeping Assist will initiate an emergency stop (⟶ page 437).<br>▶ Place your hands on the steering wheel. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | Information on Canceling an emergency stop (⟶ page 417). |
|  Temporarily Unavailable Sensors Dirty | * **FRONT AND CORNER RADAR SENSORS (HEREAFTER REFERRED TO AS "SENSORS") ARE MALFUNCTIONING. POSSIBLE CAUSES:**<br>• The sensors are dirty<br>• Heavy rain or snow<br>• Extensive country drives with no flowing traffic (e.g. in the desert)<br><br>Driving systems and driving safety systems may be malfunctioning or temporarily unavailable. The brake system, steering and drive system will continue to function normally.<br>▶ Continue driving with caution.<br><br>Once the causes of the problem have been rectified, the driving systems and driving safety systems will be available again and the corresponding symbols are switched off.<br><br>If the display message does not disappear:<br>▶ Stop the vehicle in accordance with the traffic conditions.<br>▶ Clean all sensor covers from the outside (⟶ page 391).<br>▶ Restart the vehicle. |
|   Camera View Reduced See Operator's Manual | * **THE VIEW OF THE MULTIFUNCTION CAMERA IS RESTRICTED. POSSIBLE CAUSES:**<br>• Dirt on the windshield in the field of vision of the multifunction camera<br>• Heavy rain, snow or fog<br>• Mist on the inside or outside of the windshield: in certain weather conditions, mist can form on the inside or outside of the windshield during colder times of the year in particular. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | ⓘ The mist on the windshield will be removed automatically in a short space of time with the aid of a heater. The restriction is temporary.<br><br>Driving systems and driving safety systems may be malfunctioning or temporarily unavailable. The brake system, steering and drive system will continue to function normally.<br><br>▶ Continue driving with caution.<br>▶ To remove mist from the outside, wipe once (⟶ page 280).<br>▶ To remove the mist from the inside, press MAX (⟶ page 295).<br><br>Once the causes of the problem have been rectified, the driving systems and driving safety systems will be available again and the corresponding symbols are switched off.<br><br>If the display message still does not disappear after a driving time of about 15 minutes:<br><br>▶ Stop the vehicle in accordance with the traffic conditions.<br>▶ Clean the windshield, especially around the position of the multifunction camera (⟶ page 391).<br>▶ Restart the vehicle. |
| The camera view of the driver is currently obstructed Affected functions: See operator's manual | * **THE VIEW OF THE DRIVER CAMERA IS REDUCED. POSSIBLE CAUSES:**<br><br>• Objects or stickers are projecting into the driver camera's field of vision.<br>• The driver camera is dirty.<br><br>▶ Keep the driver camera's field of vision free.<br>▶ Clean the driver camera as necessary. Please observe the notes on interior care with regard to the display (⟶ page 678). |
| Change the steering wheel/ seat position until 6 dots are visible on the upper edge of the screen. | * The driver camera cannot capture your line of sight.<br><br>▶ Change the steering wheel and seat position until six dots are visible at the top edge of the screen.<br>The display message will appear again if the driver camera is again unable to detect your line of sight after 30 minutes. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | The display message will no longer appear if you acknowledge the display message and the driver camera cannot detect your line of sight during the entire journey. |
| Driver Camera Inoperative See Operator's Manual | * The driver camera is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
| PRE-SAFE Inoperative See Operator's Manual | * The PRE-SAFE® functions are malfunctioning.<br>▶ Consult a qualified specialist workshop. |
| PRE-SAFE Pulse Side Inoperative See Operator's Manual | * The PRE-SAFE® Impulse Side system is malfunctioning or inoperative after having already been triggered.<br>▶ Consult a qualified specialist workshop. |
| PRE-SAFE PLUS Inoperative See Operator's Manual | * The PRE-SAFE® PLUS system is malfunctioning.<br>▶ Continue driving.<br>or<br>▶ Stop the vehicle in accordance with the traffic conditions and restart the vehicle.<br>▶ If the display message does not disappear, consult a qualified specialist workshop. |

# Parking assistance systems

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| PARKTRONIC Inoperative See Operator's Manual | * Parking Assist PARKTRONIC is malfunctioning.<br>The system will become available again when the cause of the problem is rectified.<br>▶ Continue driving while paying attention to the vehicle's surroundings.<br>or |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | ▶ Stop the vehicle in accordance with the traffic conditions and restart the vehicle.<br>▶ If the display message does not disappear, consult a qualified specialist workshop. |
| Active Parking Assist and PARKTRONIC Inoperative See Operator's Manual | * Active Parking Assist and Parking Assist PARKTRONIC are malfunctioning.<br>The system will become available again when the cause of the problem is rectified.<br>▶ Continue driving while paying attention to the vehicle's surroundings.<br>or<br>▶ Stop the vehicle in accordance with the traffic conditions and restart the vehicle.<br>▶ If the display message does not disappear, consult a qualified specialist workshop. |
| Active Parking Assist Limited Availability of Maneuvering Assistance See Operator's Manual | * Active Parking Assist's maneuvering assistant is temporarily unavailable or only partially available.<br>▶ Clean all sensors of the parking and camera system (⟶ page 676).<br>▶ If the display message does not disappear, consult a qualified specialist workshop. |

# Mercedes-Benz emergency call system

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  <br>Inoperative | * The Mercedes-Benz emergency call system is malfunctioning. The Mercedes-Benz Support system is also malfunctioning.<br>▶ Consult a qualified specialist workshop. |

# Battery

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  12 V On-board Electrical System Service Required | * The 12 V on-board electrical system is malfunctioning.<br>▶ Consult a qualified specialist workshop immediately. |
|  Stop Vehicle See Operator's Manual | * The 12 V battery is no longer being charged and the state of charge is too low.<br>**NOTE**<br>Possible engine damage if you continue driving<br>▶ Do not continue driving under any circumstances.<br>▶ Consult a qualified specialist workshop.<br>▶ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.<br>▶ Switch off the vehicle.<br>▶ Consult a qualified specialist workshop. |
|  Switch on vehicle to charge the 12 V battery | * The vehicle is switched off and the state of charge for the 12 V battery is too low.<br>▶ Switch off electrical consumers that are not required.<br>▶ Drive for 30 - 60 mins.<br>or<br>▶ Charge the 12 V battery when stationary (⟶ page 64).<br>▶ **Plug-in hybrid:** charge the vehicle at a charging station (⟶ page 354). |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  <br>Stop Vehicle To Charge the 12 V Battery Do Not Switch Off Vehicle | * The state of charge of the 12 V battery is too low.<br>▶ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.<br>▶ Leave the vehicle running.<br>▶ If the display message disappears, continue driving.<br>▶ If the display message does not disappear, consult a qualified specialist workshop. |
|  <br>Stop Vehicle See Operator's Manual | * The 48 V on-board electrical system is malfunctioning.<br>▶ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.<br>▶ Switch off the vehicle.<br>▶ Consult a qualified specialist workshop. |
|  <br>Battery Overheated Stop! Everyone Get Out! Outdoors if Possible | * The 48 V battery is overheating. There is a risk of fire.<br>▶ Stop the vehicle immediately in accordance with the traffic conditions.<br>▶ If possible, stop the vehicle in the open air and ensure that all vehicle occupants exit the vehicle.<br>ⓘ The vehicle's auxiliary functions may activate automatically (e.g.the climate control's air-recirculation mode).<br>▶ Do not continue driving.<br>▶ In the event of smoke, leave the danger zone and notify the fire service immediately.<br>▶ Notify a qualified specialist workshop even if there are no external signs of fire. |
|  <br>48 V Battery See Operator's Manual | * The 48 V on-board electrical system has function restrictions.<br>Comfort functions, suchas the air-conditioning system, may be available only to a limited extent.<br>It is possible to drive on. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | ▶ If the display message remains active permanently, consult a qualified specialist workshop immediately. |
|  <br>Please Wait Charging 48 V Battery... | * The 48 V battery is discharged. You have switched on the vehicle while the 12 V battery was being charged with a suitable charger or while another vehicle was providing starting assistance.<br><br>The discharged 48 V battery is charged automatically via the voltage converter. After a few minutes, the Starting Possible Again display message will be shown on the driver display.<br><br>▶ Start the vehicle.<br><br>▶ Continue driving the vehicle for a while to charge the 12 V battery and the 48 V battery after disconnecting the charger from the vehicle.<br><br>If the Starting Possible Again display message does not appear after a few minutes:<br><br>▶ Try to start the vehicle.<br><br>▶ If the vehicle does not start, consult a qualified specialist workshop. |
| Starting Possible Again | * The 48 V battery has been charged automatically via the voltage converter.<br><br>▶ Start the vehicle and continue driving for a while to charge the 12 V battery and the 48 V battery. |

# Tire pressure monitor

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| Tire Pressure Monitor Currently Unavailable | * There is interference from a powerful radio signal source. As a result, no signals from the tire pressure sensor are being received. The tire pressure monitoring system is temporarily unavailable.<br><br>The tire pressure monitoring system will restart automatically as soon as the cause has been rectified.<br><br>▶ Continue driving. |
| Tire Pressure Monitor Inoperative | * The tire pressure monitoring system is malfunctioning. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | **WARNING**<br>There is a risk of an accident if the tire pressure monitoring system is malfunctioning<br>The tire pressure monitoring system cannot issue a warning if there is pressure loss in one or more of the tires.<br>Tires with insufficient tire pressure may impair the driving characteristics as well as steering and braking.<br>▶ Have the tire pressure monitoring system checked at a qualified specialist workshop.<br>▶ Consult a qualified specialist workshop. |
| Tire Pressure Monitor Inoperative Tire Pressure Sensors Missing | * The mounted wheels do not have suitable tire pressure sensors. The tire pressure monitoring system is deactivated.<br>▶ Install wheels with suitable tire pressure sensors. |
|  <br>Wheel Sensor(s) Missing | * There is no signal from the tire pressure sensor for at least one wheel. No pressure value is displayed for the affected tire.<br>▶ Have the faulty tire pressure sensor replaced at a qualified specialist workshop. |
|  <br>Check Tires | * The tire pressure in one or more tires has dropped significantly.<br>The wheel position is displayed. A warning tone will also sound. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | **WARNING**<br>Risk of an accident due to insufficient tire pressure<br>• The tires can burst.<br>• The tires can wear excessively and/or unevenly.<br>• The driving characteristics as well as the steering and braking may be greatly impaired.<br>You could then lose control of the vehicle.<br>▶ Observe the recommended tire pressures.<br>▶ Adjust the tire pressure if necessary.<br>▶ Stop the vehicle in accordance with the traffic conditions.<br>▶ Check the tire pressure (⟶ page 719) and the tires. |
|  <br>Please Correct Tire Pressure | * The tire pressure is too low for at least one of the tires, or the difference in tire pressure between the individual wheels is too great.<br>▶ Check the tire pressure and add air as necessary.<br>▶ When the tire pressure is correct, restart the tire pressure monitoring system (⟶ page 724). |
|  <br>Warning Tire Malfunction | * The tire pressure in one or more tires has dropped suddenly. The wheel position is displayed. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|

**WARNING**
Risk of an accident from driving with a flat tire

- The tires can overheat and be damaged.
- The driving characteristics as well as the steering and braking characteristics may be greatly impaired.

You could then lose control of the vehicle.

- ▶ Do not drive with a flat tire.
- ▶ Do not exceed the maximum permissible driving distance in emergency mode and the maximum permissible speed with a flat MOExtended tire.
- ▶ Observe the notes on flat tires.

Notes on flat tire (⟶ page 66).

- ▶ Stop the vehicle in accordance with the traffic conditions.
- ▶ Check the tires.



Tires Overheated

* At least one tire is overheating. The affected tires are displayed in red. At temperatures close to the limit value, the tires are displayed in yellow.

**WARNING**
Risk of an accident from driving with overheated tires

Overheated tires can burst.

- ▶ Reduce speed so that the tires cool down.

- ▶ Reduce your speed to allow the tires to cool.

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Reduce Speed | * At least one tire is overheating. The affected tires are displayed in red. At temperatures close to the limit value, the tires are displayed in yellow.<br>**WARNING**<br>Risk of an accident from driving with overheated tires<br>Overheated tires can burst.<br>▶ Reduce speed so that the tires cool down.<br>▶ Reduce your speed to allow the tires to cool. |

## Engine oil

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Add 1 Quart of Engine Oil At Next Refueling Stop | * The engine oil level has dropped to the minimum level.<br>**NOTE**<br>Engine damage caused by driving with insufficient engine oil<br>▶ Avoid long journeys with insufficient engine oil.<br>▶ During the next refueling stop, add 1.1 US qt (1 liter) of engine oil (⟶ page 666).<br>Notes on engine oil (⟶ page 826). |
|  Engine Oil Level Reduce Oil Level | * The engine oil level is too high. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | **NOTE**<br>Engine damage caused by driving with excess engine oil<br>▶ Avoid long journeys with excess engine oil.<br>▶ Consult a qualified specialist workshop immediately and have the engine oil level reduced. |
|  <br>Engine Oil Level Stop Switch Off Vehicle | * The engine oil level is too low.<br>**NOTE**<br>Engine damage caused by driving with insufficient engine oil<br>▶ Avoid long journeys with insufficient engine oil.<br>▶ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.<br>▶ Switch off the vehicle.<br>▶ Add 1.1 US qt (1 liter) of engine oil (⟶ page 666).<br>▶ Check the engine oil level.<br>Notes on engine oil (⟶ page 826). |
|  <br>Engine Oil Pressure Stop Switch Off Vehicle | * The oil pressure is too low.<br>**NOTE**<br>Engine damage caused by driving with insufficient oil pressure<br>▶ Avoid driving with insufficient oil pressure. |

| Display messages | Possible causes/consequences and ▶ Solutions |
|---|---|
| | ▶ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.<br>▶ Switch off the vehicle.<br>▶ Consult a qualified specialist workshop. |
|  <br>Engine Oil Level Cannot Be Measured | * The electrical connection to the oil level sensor has been interrupted or the oil level sensor is faulty.<br>▶ Consult a qualified specialist workshop. |

# Warning and indicator lamps

## Overview of indicator lamps and warning lamps

Some systems will perform a self-test when the vehicle is switched on. Some indicator lamps and warning lamps may briefly light up or begin flashing. This behavior is non-critical. These indicator lamps and warning lamps only indicate a malfunction if they light up or begin flashing after the vehicle has been started or during a journey.

The indicator lamps and warning lamps are located in the highlighted display sections.

### DRIVER DISPLAY



### DRIVER DISPLAY WITH DRIVER CAMERA



### INDICATOR LAMPS AND WARNING LAMPS

### OCCUPANT SAFETY

- Restraint system (⟶ page 913)
- Seat belt (⟶ page 913)
- Passive occupant presence reminder (white) (⟶ page 913)
- Passive occupant presence reminder (yellow) (⟶ page 913)

### DRIVE SYSTEM

- Reduced power (⟶ page 915)
- System malfunction (⟶ page 915)
- Electrical malfunction (⟶ page 915)

## VEHICLE

- Power steering (yellow) (⟶ page 915)
- Power steering (red) (⟶ page 915)
- Rear axle steering (yellow) (⟶ page 915)
- Rear axle steering (red) (⟶ page 915)

## ENGINE

- Coolant temperature (⟶ page 917)
- Engine diagnosis (⟶ page 917)
- Vehicles with gasoline engine: engine operating temperature (⟶ page 917)
- Engine operating temperature (Mercedes-AMG vehicles) (⟶ page 917)
- Electrical malfunction (⟶ page 917)
- Fuel reserve with fuel filler flap location indicator (⟶ page 917)

## BRAKING

- Electric parking brake (yellow) (⟶ page 920)
- USA: electric parking brake (red) (⟶ page 920)
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- USA: Regenerative Brake System (⟶ page 920)
- Canada: brakes (yellow)(⟶ page 920)
- USA: brakes (red) (⟶ page 920)
- Canada: brakes (red) (⟶ page 920)

## DRIVING SYSTEMS AND DRIVING SAFETY SYSTEMS

- ABS (⟶ page 922)
- ESP® (⟶ page 922)
- ESP® OFF (⟶ page 922)
- ESP® OFF (⟶ page 922)
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- Active Brake Assist (⟶ page 922)
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- Active Brake Assist (⟶ page 922)
- AIRMATIC (⟶ page 922)
- AMG RIDE CONTROL (⟶ page 922)

## MERCEDES-BENZ EMERGENCY CALL SYSTEM



Mercedes-Benz emergency call system (⟶ page 927)

## TIRE PRESSURE MONITORING SYSTEM


Tire pressure monitoring system (⟶ page 928)

## EXTERIOR LIGHTING


Standing lights (⟶ page 265)


Low beam (⟶ page 265)


High beam (⟶ page 266)


Turn signal lights (⟶ page 266)


Rear fog light (⟶ page 265)

## SYMBOLS ON THE CENTRAL DISPLAY


Drive-Away Assist (⟶ page 459)


Rear cross traffic warning (⟶ page 460)


Close-range braking (⟶ page 461)

# Occupant safety

| Warning/indicator lamp | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Restraint system warning lamp | * The restraint system red warning lamp is lit while the vehicle is on. The restraint system is malfunctioning (⟶ page 138). |

**WARNING**
Risk of injury due to malfunctions in the restraint system

Components in the restraint system may be activated unintentionally or not deploy as planned in an accident.

- ▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop.

**Plug-in hybrid:**

**DANGER**
Risk of death due to the restraint system malfunctioning

Components in the restraint system may be activated unintentionally or not deploy as intended in an accident. In the event of an accident, the high-voltage on-board electrical system may not be deactivated as intended.

You may receive an electric shock if you touch the damaged components of the high-voltage on-board electrical system.

- ▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop.
- ▶ After an accident, switch off the vehicle immediately.

- ▶ Continue driving with caution.
- ▶ Observe the messages on the driver display.
- ▶ Consult a qualified specialist workshop immediately.

| Warning/indicator lamp | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Seat belt warning lamp flashes | * The red seat belt warning lamp flashes and an intermittent warning tone sounds.<br>The driver or front passenger has not fastened his/her seat belt while the vehicle is in motion.<br>▶ Fasten your seat belt (⟶ page 137).<br>There are objects on the front passenger seat.<br>▶ Remove the objects from the front passenger seat. |
|  Seat belt warning lamp lights up | * The red seat belt warning lamp lights up for six seconds once the vehicle has started.<br>In addition, an intermittent warning tone may sound.<br>The red seat belt warning lamp reminds the driver and front passenger to fasten their seat belts.<br>▶ Fasten your seat belt (⟶ page 137).<br>If you have placed objects on the front passenger seat, the red seat belt warning lamp may remain lit. |
|  Occupant presence reminder warning lamp (white) | * The white occupant presence reminder warning lamp is lit.<br>The passive occupant presence reminder is deactivated.<br>▶ Switch on passive occupant presence reminder (⟶ page 176). |
|  Occupant presence reminder warning lamp (yellow) | * The yellow occupant presence reminder warning lamp is lit.<br>The passive occupant presence reminder is faulty.<br>▶ Observe the messages on the driver display. |

# Drive system

| Warning/indicator lamp | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Reduced warning lamp power | * The yellow reduced-power warning lamp is lit.<br>Drive system power output is reduced.<br>▶ Observe the messages on the driver display. |
|  System malfunction warning lamp | * The red system error warning lamp is lit while the vehicle is in vehicle traction standby READY.<br>There is a malfunction in the drive system.<br>▶ Observe the messages on the driver display. |
|  Electrical malfunction warning lamp | * The red electrical malfunction warning lamp is lit.<br>There is a malfunction with the electrics.<br>▶ Observe the messages on the driver display. |

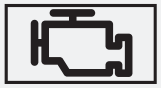
# Vehicle

| Warning/indicator lamp | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Power steering warning lamp (yellow) | * The yellow power steering warning lamp is lit while the vehicle is running.<br>The power assistance or the steering itself is malfunctioning.<br>▶ Observe the messages on the driver display. |
|  Power steering warning lamp (red) | * The red power steering warning lamp is lit while the vehicle is running.<br>The power assistance or the steering itself is malfunctioning. |

| Warning/indicator lamp | Possible causes/consequences and ▶ Solutions |
|---|---|
| | **WARNING**<br>Risk of accident if steering capability is impaired<br>If the steering does not function as intended, the vehicle's operating safety is jeopardized.<br>► Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. Do not continue driving under any circumstances.<br>► Consult a qualified specialist workshop.<br>► Observe the messages on the driver display. |
|  <br>Rear axle steering warning lamp (yellow) | * The yellow rear axle steering warning lamp is lit while the vehicle is running.<br>The rear axle steering is malfunctioning.<br>► Observe the messages on the driver display. |
|  <br>Rear axle steering warning lamp (red) | * The red rear axle steering warning lamp is lit while the vehicle is running.<br>The rear axle steering is malfunctioning.<br>**WARNING**<br>Risk of accident if steering capability is impaired<br>If the steering does not function as intended, the vehicle's operating safety is jeopardized.<br>► Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. Do not continue driving under any circumstances.<br>► Consult a qualified specialist workshop.<br>► Observe the messages on the driver display. |

# Engine

| Warning/indicator lamp | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Coolant warning lamp (red) | * The red coolant warning lamp is lit while the engine is running.<br>**POSSIBLE CAUSES:**<br>• The temperature sensor is malfunctioning<br>• The coolant level is too low<br>• The air supply to the radiator is obstructed<br>• The radiator fan is faulty<br>• The engine coolant pump is faulty<br><br>If there is an additional warning tone, the coolant temperature has exceeded the maximum permissible temperature.<br><br>⚠ **WARNING**<br>Risk of burns when opening the hood<br>**IF YOU OPEN THE HOOD IN THE EVENT OF AN OVERHEATED ENGINE OR FIRE IN THE ENGINE COMPARTMENT, THE FOLLOWING SITUATIONS MAY OCCUR:**<br>• You may come into contact with hot gases.<br>• You may come into contact with other escaping hot operating fluids.<br>▶ Before opening the hood, allow the engine to cool down.<br>▶ In the event of a fire in the engine compartment, keep the hood closed and call the fire service.<br><br>▶ Stop immediately in accordance with the traffic conditions and switch off the vehicle. Do not continue driving.<br>▶ Observe the messages on the driver display. |

| Warning/indicator lamp | Possible causes/consequences and ▶ Solutions |
|---|---|
| | **If the coolant temperature display is at the lower end of the temperature scale:**<br>▶ Consult a qualified specialist workshop.<br><br>**If the coolant temperature display is at the upper end of the temperature scale:**<br>▶ Exit the vehicle and maintain a safe distance from the vehicle until the engine has cooled down.<br>▶ Check the coolant level (⟶ page 668).<br>▶ Ensure that the air supply to the radiator is not obstructed.<br>▶ Avoiding high loads on the engine, drive to the nearest qualified specialist workshop. Additionally, ensure that the coolant temperature display remains below the red area. |
|  <br>Coolant warning lamp (yellow) | * The yellow coolant warning lamp is lit while the engine is running.<br>**POSSIBLE CAUSES:**<br>• The temperature sensor is malfunctioning<br>• The charge air, transmission oil or battery cooling is faulty<br>• The radiator shutters are blocked or defective<br>▶ Avoiding high loads on the engine, drive to the nearest qualified specialist workshop. |
|  <br>Check Engine warning lamp | * The yellow engine diagnosis warning lamp is lit while the engine is running.<br>A malfunction has occurred in the engine, the exhaust system or the fuel system.<br><br>This may have caused the emissions limit value to be exceeded and the engine may be running in emergency operation mode.<br><br>In certain locations, legal requirements stipulate that you must immediately consult a qualified specialist workshop as soon as the yellow engine diagnosis warning lamp lights up.<br>▶ Have the vehicle checked as soon as possible at a qualified specialist workshop. |

| Warning/indicator lamp | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Electrical malfunction warning lamp | * The red electrical malfunction warning lamp is lit.<br>There is a fault in the electrics.<br>▶ Observe the messages on the driver display. |
|  Engine operating temperature warning lamp | * The blue warning lamp for engine operating temperature will remain lit until the engine operating temperature has been reached.<br>The engine output and engine torque will remain reduced until then.<br>▶ This should be considered for your driving style. |
|  Engine operating temperature warning lamp | * **Vehicles with a gasoline engine:** after a cold start, the blue engine operating temperature warning lamp is lit.<br>Engine output and engine torque are reduced.<br>▶ This should be considered for your driving style. |
|  Fuel reserve warning lamp flashes | * The yellow fuel reserve warning lamp lights up while you are driving.<br>There has been pressure loss in the fuel system. The fuel filler cap is not closed correctly or the fuel system is leaking.<br>▶ Close the fuel filler cap.<br>If the fuel filler cap has already been closed correctly:<br>▶ Consult a qualified specialist workshop. |
|  Fuel reserve warning lamp lights up | * The yellow fuel reserve warning lamp lights up while the engine is running.<br>The fuel supply has dropped into the reserve range.<br>▶ Refuel. |

# Brakes

| Warning/indicator lamp | Possible causes/consequences and ▶ Solutions |
|---|---|
| PARK<br>Electric parking brake indicator lamp (red) (USA only)<br>  <br>Electric parking brake indicator lamp (red) (Canada only)<br>  <br>Electric parking brake indicator lamp (yellow) | * The red electric parking brake indicator lamp is flashing or is lit.<br>The yellow electric parking brake indicator lamp is also lit up in the event of a malfunction.<br>▶ Observe the messages on the driver display. |
| RBS<br>RBS warning lamp (USA only)<br>  <br>Brakes warning lamp (yellow) (Canada only) | * The yellow RBS warning lamp (USA only) or the yellow (!) brake warning lamp (Canada only) is lit while the vehicle is running.<br>**WARNING**<br>Risk of an accident due to a brake system malfunction<br>If the brake system is malfunctioning, braking characteristics may be impaired.<br>▶ Drive on carefully.<br>▶ Have the brake system checked immediately at a qualified specialist workshop.<br>The Hill Start Assist may be malfunctioning.<br>▶ Adjust your speed and drive on carefully, at a suitable distance from the vehicle in front.<br>▶ If the driver display shows a display message, observe it.<br>▶ Consult a qualified specialist workshop. |

| Warning/indicator lamp | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Brakes warning lamp (USA only)<br>  Brakes warning lamp (Canada only) | * The red brake warning lamp is lit while the vehicle is running.<br>**POSSIBLE CAUSES:**<br>• The brake force boosting is malfunctioning and the braking characteristics may be affected.<br>• There is insufficient brake fluid in the brake fluid reservoir.<br>▶ Observe the messages on the driver display.<br>**⚠ WARNING**<br>Risk of accident and injury if brake force boosting is malfunctioning<br>If brake force boosting is malfunctioning, increased brake pedal force may be necessary for braking. The braking characteristics may be impaired. The braking distance can increase in emergency braking situations.<br>▶ Stop in a safe location immediately. Do not continue driving.<br>▶ Consult a qualified specialist workshop.<br>**⚠ WARNING**<br>Risk of an accident due to low brake fluid level<br>If the brake fluid level is too low, the braking effect and the braking characteristics may be impaired.<br>▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. Do not continue driving under any circumstances.<br>▶ Consult a qualified specialist workshop.<br>▶ Do not add brake fluid. |

# Driving and driving safety systems

| Warning/indicator lamp | Possible causes/consequences and ▶ Solutions |
|---|---|
|  ABS warning lamp | * The yellow ABS warning lamp is lit while the vehicle is running.<br>ABS is malfunctioning.<br><br>If an additional warning tone sounds, EBD is malfunctioning.<br><br>Other driving systems and driving safety systems may also be malfunctioning.<br><br>▶ Observe the messages on the driver display.<br><br>**⚠ WARNING**<br>There is a risk of skidding if EBD or ABS is malfunctioning<br>The wheels may lock during braking.<br><br>The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.<br><br>▶ Drive on carefully.<br><br>▶ Have the brake system checked immediately at a qualified specialist workshop.<br><br>▶ Continue driving with caution.<br><br>▶ Consult a qualified specialist workshop. |
|  ESP® warning lamp flashes | * The yellow ESP® warning lamp flashes while the vehicle is in motion.<br>One or more wheels have reached their grip limit (⟶ page 394).<br><br>▶ Adapt your driving style to suit the road and weather conditions. |

| Warning/indicator lamp | Possible causes/consequences and ▶ Solutions |
|---|---|
|  ESP® warning lamp lights up | * The yellow ESP® warning lamp is lit while the vehicle is running.<br>ESP® is malfunctioning.<br><br>Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning.<br><br>▶ Note the messages on the driver display.<br><br>**WARNING**<br>Risk of skidding if ESP® is malfunctioning<br>If ESP® is malfunctioning, ESP® cannot carry out vehicle stabilization. In addition, other driving safety systems are switched off.<br>▶ Drive on carefully.<br>▶ Have ESP® checked at a qualified specialist workshop.<br><br>▶ Drive on carefully.<br>▶ Consult a qualified specialist workshop immediately. |
|  ESP® OFF warning lamp | * The yellow ESP® OFF warning lamp is lit while the vehicle is running.<br>ESP® is deactivated.<br><br>Other driving systems and driving safety systems may also be inoperative. |

| Warning/indicator lamp | Possible causes/consequences and ▶ Solutions |
|---|---|

**WARNING**
Risk of skidding when driving with ESP® deactivated

ESP® does not act to stabilize the vehicle. The availability of further driving safety systems is also limited.

- ▶ Drive on carefully.
- ▶ Deactivate ESP® only for as long as the situation requires.

If ESP® cannot be activated, ESP® is malfunctioning.

- ▶ Have ESP® checked immediately at a qualified specialist workshop.

▶ Observe the notes on deactivating ESP® (⟶ page 394).




* The yellow ESP® OFF warning lamps are lit while the vehicle is running.
ESP® is deactivated.

Other driving systems and driving safety systems may also be inoperative.

| Warning/indicator lamp | Possible causes/consequences and ▶ Solutions |
|---|---|
| | **WARNING**<br>Risk of skidding when driving with ESP® deactivated<br>ESP® does not act to stabilize the vehicle. The availability of further driving safety systems is also limited.<br>▶ Drive on carefully.<br>▶ Deactivate ESP® only for as long as the situation requires.<br>If ESP® cannot be activated, ESP® is malfunctioning.<br>▶ Have ESP® checked immediately at a qualified specialist workshop.<br>▶ Observe the notes on deactivating ESP® (⟶ page 395). |
|  <br>ATTENTION ASSIST warning lamp | * The yellow ATTENTION ASSIST warning lamp is lit.<br>▶ Consult a qualified specialist workshop. |
|  | * ESP® SPORT is activated while the vehicle is running.<br>When ESP® SPORT is activated, ESP® will only stabilize the vehicle to a limited extent.<br>**WARNING**<br>Risk of skidding if ESP® SPORT is used incorrectly<br>When you activate ESP® SPORT, there is an increased risk of skidding and having an accident.<br>▶ Activate ESP® SPORT only in the circumstances described below.<br>▶ Observe the notes on activating ESP® SPORT(⟶ page 395). |

| Warning/indicator lamp | Possible causes/consequences and ▶ Solutions |
|---|---|
|  ATTENTION ASSIST warning lamp | * The yellow ATTENTION ASSIST warning lamp is lit.<br>ATTENTION ASSIST is malfunctioning.<br>▶ Consult a qualified specialist workshop. |
|  Traffic Sign Assist warning lamp | * The Traffic Sign Assist warning lamp is lit.<br>Traffic Sign Assist is malfunctioning.<br>▶ Observe the messages on the driver display. |
|  Distance warning lamp | * The red distance warning lamp lights up while the vehicle is in motion.<br>The distance to the vehicle in front is inadequate for the speed selected.<br>If an additional warning tone sounds, the speed at which you are approaching an obstacle is too high.<br>▶ Be prepared to brake immediately.<br>▶ Increase the distance.<br>Function of Active Brake Assist (⟶ page 424). |
|  Active Brake Assist warning lamp | * The Active Brake Assist warning lamp is lit.<br>The system is unavailable due to dirty sensors or a malfunction, or the range of functions is restricted.<br>▶ Observe the messages on the driver display. |
|  Active Brake Assist warning lamp | * The Active Brake Assist warning lamp is lit.<br>The system is switched off or the range of functions has been automatically restricted.<br>This may be due to the driver not wearing a seat belt or activation of another driving system.<br>▶ Observe the notes on Active Brake Assist (⟶ page 424). |
|  Active Brake Assist warning lamp | * The Active Brake Assist warning lamp is lit.<br>After you drive off, the system's range of functions will be restricted due to the teach-in process.<br>Depending on the ambient conditions, the teach-in process may take a few minutes.<br>▶ Observe the notes on Active Brake Assist (⟶ page 424). |

| Warning/indicator lamp | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Suspension warning lamp (yellow) | * The yellow AIRMATIC warning lamp is lit.<br>A fault has occurred in AIRMATIC.<br>▶ Observe the messages on the driver display. |
|  Suspension warning lamp (red) | * The red AIRMATIC warning lamp is lit.<br>A fault has occurred in AIRMATIC.<br>**NOTE**<br>The vehicle's driving characteristics will have changed significantly.<br>▶ Consult a qualified specialist workshop.<br>▶ Observe the messages on the driver display.<br>▶ Consult a qualified specialist workshop. |
|  Suspension warning lamp (yellow) | * The yellow AMG RIDE CONTROL warning lamp is lit.<br>There is a malfunction in the AMG RIDE CONTROL.<br>▶ Note the messages on the driver display. |

# Mercedes-Benz emergency call system

| Warning/indicator lamp | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Mercedes-Benz emergency call system warning lamp | * The Mercedes-Benz emergency call system is malfunctioning. The Mercedes-Benz Support system is also malfunctioning.<br>▶ Consult a qualified specialist workshop. |

# Tire pressure monitor

| Warning/indicator lamp | Possible causes/consequences and ▶ Solutions |
|---|---|
|  Tire pressure monitoring system warning lamp flashes | * The yellow tire pressure monitor warning lamp (pressure loss/malfunction) flashes for approximately one minute and then remains lit. The tire pressure monitoring system is malfunctioning. |
|  Tire pressure monitoring system warning lamp lights up | * The yellow tire pressure monitoring system warning lamp (pressure loss/malfunction) is lit. The tire pressure monitoring system has detected a loss of pressure in at least one tire. |

**WARNING**
There is a risk of an accident if the tire pressure monitoring system is malfunctioning

The tire pressure monitoring system cannot issue a warning if there is pressure loss in one or more of the tires.

Tires with insufficient tire pressure may impair the driving characteristics as well as steering and braking.

► Have the tire pressure monitoring system checked at a qualified specialist workshop.

► Consult a qualified specialist workshop.

**WARNING**
Risk of an accident due to insufficient tire pressure

- The tires can burst.
- The tires can wear excessively and/or unevenly.
- The driving characteristics as well as the steering and braking may be greatly impaired.

You could then lose control of the vehicle.

► Observe the recommended tire pressures.

► Adjust the tire pressure if necessary.

| Warning/indicator lamp | Possible causes/consequences and ▶ Solutions |
| --- | --- |
| | ▶ Stop the vehicle in accordance with the traffic conditions.<br>▶ Check the tire pressure and the tires. |

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**Automatic front passenger air bag deactivation**
- Function

**Automatic front passenger air bag shut-off**
- Information (child restraint system on the front passenger seat)
- PASSENGER AIR BAG indicator lamp

**Automatic lane change**
- Active Lane Change Assist

**Automatic measures after an accident**

**Automatic mirror folding function**

**Automatic seat adjustment**

**Automatic transmission**
- DIRECT SELECT lever
- Drive programs
- DYNAMIC SELECT button
- Engages neutral
- Engaging drive position
- Engaging reverse gear
- Kickdown
- Manual gear shifting
- Oil temperature (driver display)
- Selecting park position
- Steering wheel paddle shifters
- Switching gears
- Transmission position display
- Transmission positions

**Autonomous braking**

# B

**Baby**
- Pregnancy (seat belt)

**Bad weather light**

**Bag hook**

**BAS (Brake Assist System)**

**Basic information**

**Battery**
- High-voltage battery

**Battery (12 V battery)**
- Charging
- Notes
- Notes (starting assistance and charging)
- Replacing
- Starting assistance

**Battery (48 V)**

**Battery (high-voltage on-board electrical system)**
- Displaying the status

**Battery (starter battery)**
- charging, Remote Online

**Battery operation**

**Belt**
- Fastening
- Notes on wearing correctly

Releasing
To adjust the height
**Blind Spot Assist**
Activating/deactivating
Function
**Bluetooth®**
Activating/deactivating
Connecting a mobile phone
Information
Setting up an Internet connection
**Brake Assist**
Active Brake Assist
**Brake Assist System (BAS)**
**Brake disks**
**Brake fluid**
**Brake pads**
**Brakeforce distribution**
**Brakes**
ABS (Anti-lock Braking System)
Active Brake Assist
Brake Assist System (BAS)
Driving tips
EBD (Electronic Brakeforce Distribution)
Electric parking brake
Handbrake
HOLD function

Limited braking effect (salt-treated roads)
New/replaced brake pads/brake discs
Notes on breaking in a new vehicle
Parking brake
Post-collision brake
Recuperation

**Braking assistance**

Active Brake Assist
Brake Assist System (BAS)

**Breakdown**

Flat tire
Overview of aids
Tow-starting
Towing methods
Transporting the vehicle
Wheel change

**Breakdown (Roadside Assistance)**

**Burmester® 4D surround sound system**

Adjusting the balance/fader
Adjusting the sound focus
Adjusting treble, mid-range and bass settings
Automatic loudness normalization
Calling up the sound menu
Information
Selecting the sound profile

# C

**Call list**
- Deleting
- Making a call
- Overview
- Selecting options

**Calling Support at Mercedes-Benz**

**Calling up the sound menu**
- Burmester® 4D surround sound system

**Calls**, Telephone operation
- Accepting
- Activating functions during a call
- Calls with several participants
- Declining
- Ending a call
- Incoming call during an existing call
- Making

Mercedes-Benz Support
Telephone
Via the overhead control panel

**Camera**
- 360° camera
- Button
- Care
- Cleaning

Driver camera
Function
Information
Opening the camera cover (rear view camera)
Select view

**Camera app**

Overview
Recording video
Settings
Taking a photo

**Car key**

**Car wash**

Automatic car wash
Power washer
Washing by hand

**Car-to-X-Communication**

Display on map
Overview
Sending hazard warnings

**Care**

Air/water duct
Automatic car wash
Camera
Car parts
Car wash mode
Decorative foil
Display

Exterior lighting
Genuine wood/trim elements
Head-up display
Headliner
Paint
Plastic trim
Power washer
Seat belt
Steering wheel
Vehicle interior
Vehicle socket for the high-voltage battery
Washing by hand
Wheels/rims
**Caring for rims**
**Center air bag (driver's seat backrest)**
Inflating
Information
**Center airbag (driver's seat backrest)**
Deployment
**Central display**
Home screen
**Central locking system**
Button
SmartKey
**Change of address**
**Change of ownership**

**Changing a wheel**
Raising the vehicle
**Charge level display**
**Charge level/charge display**
**Charging**
12 V battery
Charge level display
Charging cables (overview)
Charging station, level 2
Configuring a weekly profile
Emergency release of the socket flap
Ending the charging process (AC, level 1/2)
Ending the charging process (DC, level 3)
Fast charging station, level 3
Gen4/Gen5 charging cables
In time for departure
Indicator lamps on vehicle socket
Maximum charging current (mains socket)
Notes on charging the high-voltage battery
Notes on the high-voltage battery
Power Charger
Power outlet
Recuperation
Starting the charging process (AC, level 1/2)
Starting the charging process (DC, level 3)
Stowing the charging cable
USB port

USB port (rear passenger compartment passenger compartment)
Wallbox, level 1/2

**Charging cable**

Gen4/Gen5 charging cables
Overview
Power Charger
Stowing

**Charging process**

Paying

**Charging settings**

**Checking the coolant level**

**Child safety lock**

Rear door
Side windows (rear passenger compartment)

**Child seat**

Adjusting the vehicle seat
Basic instructions
Front passenger seat

ISOFIX installation
Notes on fastening seat belts (MBUX Interior Assistant)
Rearward-facing
Risks/dangers
Securing on the rear seat with the seat belt
Securing to the front passenger seat with the seat belt
The most important information in brief
Top Tether

**Children**
- Avoiding dangers in the vehicle
- Basic instructions
- Special seat belt retractor

**Chock**

**City lighting**

**Classic menu display content**
- Selecting

**Clean varnish**

**Cleaning**
- Air/water duct
- Automatic car wash
- Camera
- Car parts
- Car wash mode
- Decorative foil
- Genuine wood/trim elements
- Paint
- Power washer
- Sensors
- Trunk/cargo compartment
- Vehicle interior
- Vehicle socket for the high-voltage battery
- Washing by hand

**Cleaning the carpet**

**Cleaning the seat cover**

**Cleaning the trunk**

**Climate bar**, Air conditioning system, Air conditioning system menu, Climate menu
- Configuring
- Operating

**Climate control**, Air conditioning system
- Activating/deactivating
- Activating/deactivating (rear operating unit)
- Activating/deactivating the A/C function (control panel)
- Adjusting
- Air conditioning menu
- Air distribution settings
- Air vents (front)
- Air vents (rear passenger compartment)
- Automatic control
- Automatically controlling (rear operating unit)
- Closing/opening the windows (air-recirculation button)
- Coolant and PAG oil filling capacity (Mercedes-AMG vehicle)
- Defrosting a window
- Defrosting windows
- Filling capacity for refrigerant and PAG oil
- Fine particle status display
- Immediate pre-entry climate control
- Inserting/removing the flacon (fragrance system)
- Ionization
- Notes
- Operating unit (THERMATIC)
- Operating unit (THERMOTRONIC)
- Rear passenger compartment operating unit

Rear window heater (THERMOTRONIC)
Refrigerant
Resetting the climate control settings
Residual heat
Switching air-recirculation mode on/off
Switching the A/C function on/off (MBUX)
Synchronization function
Ventilation with convenience opening

**Climate control settings**
Resetting
**COC papers**, CERTIFICATE OF CONFORMITY

**Cockpit**
Dashboard (vehicles with EQ technology)
Overview (central display)
Overview (MBUX Superscreen)

**Collision detection (parked vehicle)**
Adjusting
Information

**Collision protection**
Drive-Away Assist

**Combination switch**
Lights
Windshield wipers

**Comfort**
Information

**Communication module**
- Disconnecting automatically from the Internet
- Setting up an Internet connection

**Commuter route**

**Compass**

**Components relevant to radio regulation**
- Declaration of conformity

**Composition of the tire**

**Configuring settings**
- Camera app

**Connection status**
- Displaying
- Overview

**Contacts**, Address book, Phone book
- Calling up
- Deleting
- Information
- Making a call
- Name format
- Note about suggestions
- Options
- Selecting options for suggestions
- Storing

**Control element (MBUX multimedia system)**
- Setting acoustic feedback

**Control elements:**

**Convenience closing**

**Convenience feature**

Closing/opening the windows (air-recirculation button)

**Convenience opening**

**Coolant**

Capacity

Filling capacity (Mercedes-AMG vehicles)

Notes

**Cooling**

Climate control (THERMATIC)

**Copyright**

License

**Copyrights**

Trademarks

**Cornering light function**

**Correct use**

**Cover**

**Cross traffic (warning)**

**Crosswind Assist**

**Cruise control**

Activating/deactivating

Calling up a speed

Function

Requirements:

Setting a speed

Storing a speed

**Cup holder**

using >

**Current boost pressure (driver display)**

Display >

**Current engine output (driver display)**

Display >

**Customer Assistance Center (CAC)** >

# D

**Damage**
Limited protection
**Dashboard**
Cockpit (plug-in hybrid)
**Dashcam**
Configuring settings
Notes
Selecting a USB device
Starting/stopping an individual recording
Starting/stopping loop recording
**Data processing in the vehicle**
**Data protection**
Granting authorization
**Data protection rights**
**Data storage**
Data protection rights
Electronic control units
Event Data Recorder
MBUX Multimedia System/Mercedes-Benz Connect
Online services
**Daytime running lamps**, Daytime running lamp mode
Activating/deactivating
**Deactivating the alarm**
**Dealership**

**Decals**
- on cameras/sensors

**Declaration of conformity**
- Components relevant to radio regulation

**Decorative foil**

**Definitions**
- Tires and loading

**Defrost function**

**Deployed components**
- Limited protection

**Deployment situations**

**Destination**
- Editing a suggestion
- Editing intermediate destinations
- Editing the previous destinations
- Saving as a favorite

**Destination entry**
- Accepting a destination suggestion
- Entering an intermediate destination
- Entering geo-coordinates
- Selecting a contact
- Selecting a received destination
- Selecting from favorites
- Selecting from the map
- Selecting previous destinations

**Destination entry (multimedia system)**
- Notes
- Selecting a POI

**Diagnostics connection**

**Digital Extra**
- MB.CHARGE Public
- Plug & Charge

**Digital Extras**
- Activating

**Digital Extras with call function**
- Information
- Transferred data

**DIGITAL LIGHT**
- Activating/deactivating
- Active headlamps
- Adaptive Highbeam Assist
- Adaptive Highbeam Assist Plus
- Assistance functions
- Bad weather light
- City lighting
- Cornering light function
- Dynamic low beam
- Extended range fog lamps
- Highway mode
- Overview
- Topographical compensation

**Digital Operator's Manual**

**Digital Vehicle Key**

- Function
- Managing
- Problem
- Removing
- Setting up
- Unlocking setting

**Dinghy towing**

- Pulling/towing

**DIRECT SELECT lever**

- Automatic transmission
- Engages neutral
- Engaging drive position
- Engaging park position automatically
- Engaging reverse gear
- Function
- Gearshift recommendation
- Manual gearshifting
- Selecting park position

**Display**

- Care

**Display (driver's display)**

- Overview of displays

**Display (MBUX multimedia system)**

- Settings

**Display message**

- Calling up on driver display

Notes

**Display messages**

- - - mph
- - - mph
12 V On-board Electrical System Service Required
48 V Battery See Operator's Manual
Acoustic Presence Indicator Inoperative
Add 1 Quart of Engine Oil At Next Refueling Stop
Add Washer Fluid
ATTENTION ASSIST Nodding Off Take a Break!
ATTENTION ASSIST: Take a Break!
Automatic Driving Lights Inoperative
Battery Overheated Stop! Everyone Get Out! Outdoors if Possible
Brake Immediately
Brake Light Left
Brake Light Right
Camera View Reduced See Operator's Manual
Center Brake Light
Charging Cable Connected
Check Brake Fluid Level
Check Coolant Level See Operator's Manual
Check Left Cornering Light
Check Left Daytime Running Light
Check Left High Beam
Check Left Low Beam
Check Right Cornering Light
Check Right Daytime Running Light

Check Right High Beam
Check Right Low Beam
Check Tires
Compressor Is Cooling
Coolant Stop Switch Off Vehicle
Currently Not Available Charge High-voltage Battery
Currently Not Available Charging of the High-voltage Battery Not Completed
Currently Unavailable See Operator's Manual (ABS and ESP®)
Currently Unavailable See Operator's Manual (ESP®)
Digital Vehicle Key Charge Device
Do Not Exceed 12mph
Do Not Leave People or Animals in the Vehicle
Don't Forget Your Key
Drive Power and Range Reduced See Operator's Manual
Engine Oil Level Cannot Be Measured
Engine Oil Level Reduce Oil Level
Engine Oil Level Stop Switch Off Vehicle
Engine Oil Pressure Stop Switch Off Vehicle
Front Left Malfunction Service Required
Front Right Malfunction Service Required
Fuel Filler Cap Open
Fuel Reserve
Fuel Tank Is Depressurized Ready for Refueling
Have High-Voltage System Checked See Operator's Manual
Initializing Key Please Wait
Initializing Key Please Wait
Initiating Emergency Stop

Inoperative See Operator's Manual (ABS and ESP®)
Inoperative See Operator's Manual (ESP®)
EBD Inoperative See Operator's Manual (EBD, ABS, and ESP®)
SOS Inoperative
Key Does Not Belong to Vehicle
Key Not Detected (red display message)
Key Not Detected (white display message)
Key Not Detected Place Digital Vehicle Key in Mobile Phone Cradle
Key Not Detected
Left Window Airbag Malfunction Service Required
License Plate Light
Lowering
Malfunction Do Not Exceed 50 mph
BRAKE Malfunction See Operator's Manual
Malfunction See Operator's Manual
Malfunction Service Required
BRAKE Malfunction Stop
Malfunction
Malfunction
Obtain a New Key
Off
HOLD Off
PARK Parking Brake See Operator's Manual
Parking Light Front Left
Parking Light Front Right
Performance Extremely Limited

Please Correct Tire Pressure
Please Wait Charging 48 V Battery...
Please Wait Depressurizing Fuel Tank
Pre-entry Climate Control Available Again via SmartKey after Vehicle Start
Pre-entry Climate Control via SmartKey Currently Not Available. High-voltage Battery Low
Rear Axle Steering Currently Malfunctioning
Rear Axle Steering Malfunction Service Required
Rear Axle Steering Malfunction Stop Immediately
Rear Fog Light
Rear Left Backrest Not Latched
Rear Right Backrest Not Latched
Reduce Speed
Release Parking Brake
Remain alert, otherwise emergency stop will be initiated (yellow display message)
Remain Alert! (white display message)
Replace Key Battery
Replace SmartKey See Operator's Manual
Restraint System Malfunction Service Required
Reversing Light
Right Window Airbag Malfunction Service Required
Rising
Second Row of Seats, Left Malfunction Service Required
Second Row of Seats, Right Malfunction Service Required
Slow Down
Steering Malfunction Drive Carefully Service Required
Steering Malfunction Increased Physical Effort See Operator's Manual
Steering Malfunction Stop Immediately See Operator's Manual

Stop Switch Off Vehicle
STOP Vehicle Level Too Low
Stop Vehicle See Operator's Manual
Stop Vehicle See Operator's Manual
Stop Vehicle To Charge the 12 V Battery Do Not Switch Off Vehicle
Suspended
Switch Off Lights
Switch On Headlights
Switch on vehicle to charge the 12 V battery
Switch on Vehicle to Release the Parking Brake
Tail Light Left
Tail Light Right
Take SmartKey With You
Temporarily Unavailable Sensors Dirty
Tires Overheated
Towing Not Permitted See Operator's Manual
Turn Signal Indicator, Front Left
Turn Signal Indicator, Front Right
Turn Signal Indicator, Left Mirror
Turn Signal Indicator, Rear Left
Turn Signal Indicator, Rear Right
Turn Signal Indicator, Right Mirror
Vehicle Rising Please Wait
Warning Tire Malfunction
Wheel Sensor(s) Missing
"Electric" Drive Program Currently Unavailable
4matic Currently Unavailable

4matic Inoperative
AC Charging Inoperative Service Required
Active Blind Spot Assist and Exit Warning Currently Unavailable See Operator's Manual
Active Blind Spot Assist and Exit Warning Inoperative
Active Brake Assist Functions Currently Limited See Operator's Manual
Active Brake Assist Functions Limited See Operator's Manual
Active Distance Assist Currently Unavailable See Operator's Manual
Active Distance Assist Inoperative
Active Distance Assist Now Available
Active Emergency Stop Assist Currently Unavailable See Operator's Manual
Active Emergency Stop Assist Inoperative
Active Lane Change Assist Currently Unavailable See Operator's Manual
Active Lane Change Assist Inoperative
Active Lane Keeping Assist Currently Unavailable See Operator's Manual
Active Lane Keeping Assist Inoperative
Active Lane Keeping Assist Limited Range of Functions See Operator's Manual
Active Parking Assist and PARKTRONIC Inoperative See Operator's Manual
Active Parking Assist Limited Availability of Maneuvering Assistance See Operator's Manual
Active Steering Assist Currently Unavailable Due to Multiple Emergency Stops
Active Steering Assist Currently Unavailable See Operator's Manual
Active Steering Assist Inoperative
Active Stop & Go Assist Currently Unavailable See Operator's Manual
Active Stop & Go Assist Inoperative See Operator's Manual
Adaptive Highbeam Assist Currently Unavailable See Operator's Manual
Adaptive Highbeam Assist Inoperative
Adaptive Highbeam Assist Plus Currently Unavailable See Operator's Manual
Adaptive Highbeam Assist Plus Inoperative

Ambient Lighting Warning Support Inoperative
AMG Ride Control Function Limited See Operator's Manual
Authentication Failed Use Different Authentication Method or Charging Station
Automatic Lane Change Currently Unavailable See Operator's Manual
Automatic Lane Change Inoperative
Auxiliary Battery Malfunction (red display message)
Auxiliary Battery Malfunction (white display message)
Blind Spot Assist and Exit Warning Inoperative
Blind Spot Assist and Exiting Warning Currently Unavailable See Operator's Manual
Cannot Start Vehicle See Operator's Manual
Change the steering wheel/ seat position until 6 dots are visible on the upper edge of the screen.
Charging Fault Change Charging Mode See Operator's Manual
Check Brake Pads See Operator's Manual
Cruise Control Inoperative
Cruise Control Off
DC Charging Inoperative Service Required
Depress Brake to Shift from P
Depress Brake to Shift to D or R
Depress Brake to Shift to R
DIGITAL LIGHT Functions Limited
Do Not Restart Vehicle Service Required
Drive Malfunction Achievable Speed Limited Stop Soon
Drive Malfunction Achievable Speed Severely Limited See Operator's Manual
Driver Camera Inoperative See Operator's Manual
Emergency Stop Initiated To Cancel: Operate Steering Wheel and a Pedal
Front Passenger Airbag Disabled See Operator's Manual
Front Passenger Airbag Enabled See Operator's Manual

Function Blocked by Folded Center Backrest
Hazard Warning Light Malfunction
Head-up Display Brightness Currently Reduced See Operator's Manual
Head-up Display Currently Unavailable See Operator's Manual
Head-up Display Inoperative
High-Voltage Battery Fault No Start in Approx. XXX mi Service Required (red display message)
High-Voltage Battery Fault No Start in Approx. XXX mi Service Required (yellow display message)
Hight-Voltage Battery Fault Do Not Restart Service Required
Indicator Lamp in Driver's Display Inoperative Service Required
N Automatically Activated Please Shift to Transmission Position Again
N is Engaged Shift to Desired Drive Range
Not Possible to Unlock Charging Cable See Operator's Manual
Occupant Presence Reminder Inoperative
Only Electric Drive Available Power Limited
PARKTRONIC Inoperative See Operator's Manual
Place the Key in the Marked Space See Operator's Manual
PRE-SAFE Inoperative See Operator's Manual
PRE-SAFE PLUS Inoperative See Operator's Manual
PRE-SAFE Pulse Side Inoperative See Operator's Manual
Preparing Drive System...
RACE START Canceled
RACE START Not Possible See Operator's Manual
Reduced Drive Power See Operator's Manual
Reversing Not Possible Service Required
Risk of Vehicle Rolling Away Apply Parking Brake When Parking
Risk of Vehicle Rolling Away Driver's Door Open Position P Not Selected
Risk of Vehicle Rolling Away N Activated Manually No Automatic Change to P

Searching for Key in Stowage Tray or Digital Vehicle Key in Inductive Charging Bracket... See Operator's Manual
Service Required Apply Parking Brake to Park
Service Required Do Not Change Transmission Position
Shift to P Only When Vehicle Is Stationary
Snow Chain Mode Maximum Speed Exceeded
Starting Possible Again
The camera view of the driver is currently obstructed Affected functions: See operator's manual
Tire Pressure Monitor Currently Unavailable
Tire Pressure Monitor Inoperative
Tire Pressure Monitor Inoperative Tire Pressure Sensors Missing
To Deselect P or N Depress Brake and Start Vehicle
To shift to N, hold selector lever longer in N position
To Switch Off Vehicle Press and Hold Start/Stop Button for at Least 3 Seconds or Press 3 Times
Traffic Sign Assist Currently Unavailable See Operator's Manual
Traffic Sign Assist Inoperative
Transmission Malfunction Stop
Vehicle Not Currently Being Charged Try a Different Charging Station
Vehicle Ready to Drive Shutdown Occurs When Locked or After a Few Minutes
Vehicle Ready to Drive Shutdown Occurs When Locked or Automatically in XX Mins
Windshield Wiper Malfunction
**Displaying road names/house numbers**
**Distance control**
**Distance warning**
**Distraction detection**
**DISTRONIC**
**Door**
Child safety lock (rear door)

Emergency key
Extending/retracting door handles
Opening (from the inside)
Power closing function
Unlocking (inside)
**Door handles**
Extending/retracting
**Door operating unit**
Function seat
**DOT, Tire Identification Number (TIN)**
**Drag Race**
**Drinking and driving**
**Drinks holder**
Installing/removing
**Drive position**
**Drive program display**
**Drive programs**
AMG DYNAMIC SELECT
Function
Selecting
**Drive-Away Assist**
**Driver camera**
Function
Switching on/off
**Driver display**
Displaying the state of health
Identifying malfunctions

Operation
Service due date
Service menu
Track Pace menu
Warning lamps/indicator lamps

**Driver's display**, Instrument cluster

48 V on-board electrical system
Assistant display
Head-up display

Menus
Navigation menu
Notes
Off-road menu
Status displays
Supersport menu

**Driver's seat**

Adjusting electrically
Adjustment (Seat Comfort)

Easy entry and exit feature
seat heating

**Driving safety system**

ABS (Anti-lock Braking System)
Active Brake Assist
Active Emergency Stop Assist
Active Lane Change Assist
Active Lane Keeping Assist
Active Steering Assist

ATTENTION ASSIST
BAS (Brake Assist System)
Blind Spot Assist / Active Blind Spot Assist
Cameras
Cruise control
EBD (Electronic Brakeforce Distribution)
ESP® (Electronic Stability Program)
Hill Start Assist
HOLD function
Overview
Sensors
STEER CONTROL
Traffic Sign Assist
Your responsibility
**Driving system**
**Driving tips**
Drinking and driving
General driving tips
Notes on breaking in a new vehicle
Optimized acceleration
Rear axle steering
Recuperation
**Drowsiness detection**
**Duplicate key**
**Dynamic handling control system**
**Dynamic low beam**
Overview

## DYNAMIC SELECT

Configuring drive program I
Displaying engine data
Displaying vehicle data
Drive program display
Drive programs
Function
Selecting the drive program

# E

**E10**

**E25**

**Easy entry feature**

- Adjusting
- Function

**Easy exit feature**

- Adjusting
- Function

**EBD (Electronic Brakeforce Distribution)**

**ECO Assist**

- Activating/deactivating
- Plug-in hybrid
- Vehicles with 48 V on-board electrical system

**ECO display**

**ECO start/stop button**

- Automatic engine start/stop

**ECO start/stop function**

- Automatic engine start
- Automatic engine stop
- Conditions (automatic engine stop/start)
- Function
- Switching off/on

**Electric drive**

**Electric parking brake**
- Applying automatically
- Emergency braking
- Manually applying/releasing
- Releasing automatically

**Electrical fuses**

**Electronic Stability Program**

**Emergency**
- Emergency guide
- First-aid kit (soft sided)
- Overview of aids
- Reflective safety vest
- Warning triangle

**Emergency braking**
- Active Brake Assist
- Brake Assist System (BAS)
- Carrying out
- Electric parking brake/handbrake

**Emergency key**
- Door

**Emergency operation mode**
- Start the vehicle

**Emergency release**
- Socket flap
- Trunk lid (from inside)

**Emergency shutoff (high-voltage on-board electrical system)**

**Emergency Tensioning Devices**
- Inflating

**ENERGIZING COACH**
- Function
- Switching program recommendations on/off

**ENERGIZING COMFORT**
- Overview of programs
- Starting the program

**Energy flow display**
- Calling up
- Function/notes

**Engine**
- Emergency operation mode
- Emergency start
- Engine number
- Parking (start/stop button)
- Starting assistance

**Engine data**
- Displaying
- DYNAMIC SELECT

**Engine number**

**Engine oil**, Oil
- Additives
- Capacity
- Capacity (Mercedes-AMG vehicles)
- Checking the oil level using the driver display

Engine oil temperature (driver display)
MB-Freigabe or MB-Approval
MB-Freigabe or MB-Approval (Mercedes-AMG vehicles)
Quality
Quality (Mercedes-AMG vehicles)
Refilling
**Engine sound**
**Engine start**
Emergency operation mode
**Entering characters**
Deleting the user dictionary
Function/notes
Setting the keyboard language
using the touchscreen
**Environmentally friendly driving**
**ESC**, Electronic Stability Control
**ESP®**
Activating/deactivating
Crosswind Assist
ESP® SPORT
Function
Setting (steering-wheel button)
**Event Data Recorder**
**Exit warning**
Blind Spot Assist / Active Blind Spot Assist
**Exiting a parking space**
Active Parking Assist

Drive-Away Assist >
PARKTRONIC >

**Exterior lighting**

Care >

**Exterior mirrors**

Parking position >

# F

**Factory settings**
- MBUX reset function

**Fatigue detection**

**Favorites**
- Adding a destination
- Home address
- Work address

**Fine particle status display**

**Fingerprint sensor**
- MBUX multimedia system

**First aid**
- First-aid kit (soft sided)

**First-aid kit (soft sided)**

**Fitting**
- Snow chains

**Fitting accessories**
- Limited protection

**Flacon**

**Flag holder**

**Flat tire**
- MOExtended
- Notes
- TIREFIT kit

Wheel change

**Flat towing**

Pulling/towing

**Floor mats**

**Fog lamp**

**Fog light (extended range)**

**Fragrance system**

Activating/deactivating

Adjustment

Inserting/removing the flacon

Perfume vial

**Free software**

**Frequencies**

Mobile phone

Two-way radio

**Front air bag**

Inflating

**Front airbag**

Deployment

**Front headlamps**

**Front passenger air bag**

Disabling/enabling

**Front passenger air bag shutoff**, PASSENGER AIR BAG OFF

Function

Information (child restraint system on the front passenger seat)

**Front passenger display**

- Information
- Operating
- Overview
- Visual shield function

**Front passenger seat**

- Adjusting electrically
- Adjustment (Seat Comfort)

**Fuel**

- Additives
- Depressurize the fuel tank (plug-in hybrid with gasoline engine)
- E10
- E25
- Fuel reserve (Mercedes-AMG vehicles)
- Gasoline
- Gasoline quality
- Refilling
- Reserve
- Sulfur content
- Tank capacity
- Tank content (Mercedes-AMG vehicles)

**Fuel reserve**

**Function in the event of an accident**

- Information (operating principle of the restraint system)

**Function seat**

## Fuses

Cockpit >
Engine compartment >
Fuse assignment diagram >
Notes >
Passenger footwell >
Trunk >

# G

**G-meter**, Acceleration meter

**Gallery app**

- Content sharing
- Operation

**Game controller**

- Connecting via Bluetooth
- Disconnecting

**Game controller app**

- Connecting
- Disconnecting

**Garage door opener**

- Deleting the HomeLink® buttons
- Performing rolling code synchronization (if required)
- Problem
- Programming the HomeLink® buttons
- Special programming modes (if required)

**Gas station search**

- Starting automatic search
- Switching the automatic search on/off

**Gasoline**

**Gearshift**

- DIRECT SELECT lever
- Manual

**General driving tips**

**Genuine parts**

**Glide mode**

**Glove box**

- Locking/unlocking

**Grab handles**

- Notes

**Greeting tone**

- Switching the greeting tone on/off

# H

**Handbrake**

**Handling characteristics**

Unusual

**HANDS-FREE ACCESS**

**hands-free system**

**Haptic accelerator pedal**

**Hazard warning lights**

**Hazard warnings**

Car-to-X-Communication

**Head restraint**

Adjusting (rear passenger compartment)

Adjusting manually (front, 4-way)

Removing/installing (rear passenger compartment)

**Head-up display**

Care

Function

Memory function

Operating

Switching on/off

**Headlamp flashing**

**Headlamp range control**

**Headlamps**

**Headliner care**

**Heating**
- Activating/deactivating
- Center console
- Climate control (THERMATIC)
- Climate control (THERMOTRONIC)
- Panel heating
- seat
- Steering wheel

**Help call**
- Mercedes-Benz emergency call system

**High beam**

**High-voltage battery**
- Charge level display
- Charging ahead of the departure time
- Charging cables (overview)
- Charging duration
- Charging station, level 2
- Configuring a weekly profile
- Displaying the state of health
- Ending the charging process (AC, level 1/2)
- Ending the charging process (DC, level 3)
- Energy flow display
- Fast charging station, level 3
- Gen4/Gen5 charging cables
- General notes on charging
- Maximum charging current (mains socket)

Notes
Power Charger
Power outlet
Range
Recuperation
Starting the charging process (AC, level 1/2)
Starting the charging process (DC, level 3)
Stowing the charging cable
Type
Wallbox, level 1/2
**High-voltage on-board electrical system**
Indicator lamps on vehicle socket
Manual switch-off
Operating safety
**Highway mode**
**Hill Start Assist**
**HOLD function**
Function
Switching on/off
**Home screen**
Central display
**Hood**
Opening/closing

# I

**Identification plate**
- Engine
- Refrigerant
- Vehicle

**Immediate pre-entry climate control**

**Immobilizer**

**In-Car App Pass**

**In-Car Apps**
- Installing

**Inattention detection**

**Incorrect behavior by vehicle occupants**
- Limited protection

**Indicator lamps/warning lamps**
- Overview

**Indicator/warning lamps**
- PASSENGER AIR BAG

**Individual drive program**
- Configuring

**Inside mirror**

**Installing**
- Tires/wheels

**Intelligent Light System**

- Activating/deactivating

**Interior lighting**

- Adjusting
- Ambient lighting
- MBUX reading light
- Switch-off delay time

**Interior protection**

**Intermediate destination**

- Editing
- Starting an automatic gas station search
- Starting the automatic service station search

**Internet**

- Smartphone integration

**Internet connection**

- Canceling permission (mobile phone)
- Disconnecting automatically (communication module)
- Displaying the connection status
- Information
- Overview of connection status
- Restrictions
- Setting access data (Bluetooth®)
- Setting up (communication module)
- Setting up (Wi-Fi)
- Setup (Bluetooth®)

**Ionization**

**iPhone®**

Smartphone integration >

**ISOFIX child restraint system**

installing >

# J

**Jack**

Storage location >

**Jump-start connection** >

# K

**Key**

- Problem
- Replacement key

**KEYLESS-GO**

- Deactivating
- Locking/unlocking the vehicle
- Problem
- Unlocking setting

**Kickdown**

**Knee airbag**

# L

**Lane Change Assist**
**Lane Keeping Assist**
**Lane navigation**
Overview
**Lane recognition**
Active Lane Change Assist
Active Lane Keeping Assist
**Language**
Notes
Setting
**Level control**
AIRMATIC
setting (AIRMATIC)
**License plate (front)**
**License plate assembly (front)**
**Light switch**
**Lighting**
Dynamic low beam
Interior lighting
**Lights**
Active headlamps
Adaptive Highbeam Assist
Adaptive Highbeam Assist Plus

Assistance functions
Automatic driving lights
Bad weather light
City lighting
Combination switch
Cornering light function
DIGITAL LIGHT
Dynamic low beam
Fog light (extended range)
Hazard warning lights
High beam
Highway mode
Interior lighting
Locator lighting
Reading lamp
Rear fog light
Responsibility for lighting systems
Setting low beam
Switch-off delay time
Switching on the daytime running lamps
Switching the Intelligent Light System on/off
Topographical compensation
Turn signals
**Limited Warranty**
**Live Traffic Information**
Displaying the traffic map
Displaying traffic incidents

Information from the service provider

**Load index**

Tires

**Load-bearing capacity**

Tires

**Loading**

Attaching the parcel net

Bag hook

Definitions

Notes

Roof luggage rack

Stowage space under the trunk floor

Tie-down eyes

**Loading guidelines**

**Loading information table**

**Loads**

**Locator lighting**

**Locking/unlocking**

Automatic locking (MMS)

Doors (from the inside)

Emergency key

KEYLESS-GO

NFC function

**Loud sound**

PRE-SAFE® Sound

**Low-beam headlamps**

- Activating/deactivating
- Adjusting
- Left-hand/right-hand traffic

**Lubricants**

**Luggage**

- Attaching the parcel net

**Luggage rack**

**Lumbar support**

# M

**Maintaining safe distance**
- Active Distance Assist DISTRONIC

**Maintenance**
- Vehicle

**Maintenance Management**
- Notes
- Transferred data

**Malfunction**
- Driver display
- Restraint system

**Malfunction message**
- Driver's display

**Maneuvering**
- Drive-Away Assist
- Maneuvering brake function

**Maneuvering assistant**
- Cross traffic warning
- Drive-Away Assist
- Maneuvering brake function

**Maneuvering brake function**

**Maneuvering support**

**Manual gearshifting**
- Activating/deactivating

**Map**, Traffic map
- Avoiding an area
- Avoiding an area (overview)
- Changing an area
- Deleting an area
- Displaying online map contents
- Displaying the compass
- Displaying the map version
- Displaying the range
- Displaying the satellite map
- Displaying the traffic map
- Displaying weather information
- Map data
- Moving
- Route overview after start
- Selecting additional information
- Selecting POI symbols
- Setting the map scale
- Setting the map scale automatically
- Updating

**Map functions**

**Massage programs**
- Overview
- Resetting the seat adjustments
- Select

**Maximum full-stop braking**

**Maximum permissible load**
- Calculation example
- Determining

**Maximum speeds**

**Maximum tire load**

**Maximum tire pressure**

**MB Apps**
- Calling up Digital Extras
- Calling up the Mercedes me ID user account
- Unlinking the Mercedes me ID user account

**MB.CHARGE Public**, Paying
- Charging stations display

**MBUX Interior Assistant**
- Camera & parking
- Driver camera
- Lasers and laser classification
- Notes on securing the child seat with the belt
- Opening/closing the roller sunblind on the rear window
- Overview
- Preselection outside mirrors
- Reading light
- Search light
- Selecting settings

**MBUX multimedia system**
- Activating and starting routines
- Adjusting the volume
- Air conditioning menu

Authorization
Calling up the zero layer
Creating routines
Dashcam
Display settings
Drive programs
ENERGIZING seat kinetics
Factory setting
Fingerprint sensor
Home screen
Language settings
MB Apps
MBUX Interior Assistant
Operating the zero layer
Overview
Personalized routines
Selecting routines
Set keyboard
Setting collision detection
Setting route-based speed adaptation
Snow chain mode
Starting the ENERGIZING COMFORT program
Steering wheel heater / seat heating
Switching the sound on/off
Touchscreen
Zero layer
**MBUX reading light**

**MBUX search light**

**MBUX Voice Assistant**

- Function
- Language setting
- Media voice commands
- Online voice commands
- Online voice control
- Operable functions
- Operating safety
- Setting
- Speech quality
- Voice commands
- Voice prompting

**Mechanical key**

- Inserting/removing

**Media**

- General information

**Media mode**

- Adding a favorite song
- Connecting Bluetooth® audio equipment
- Connecting USB mass storage devices
- Controlling media playback
- Copyright and trademarks
- Information
- Notes about the search function in categories
- Overview of the media menu

Playing back similar music tracks
Removing a favorite song
Starting a search in categories
Starting and operating playback
Starting media playback
Supported formats and data storage media
Surprise mix
Using the keyword search

**Medical aids**

**Memory function**

Head-up display
Outside mirrors
Seat
Steering wheel

**Menus (driver display)**

Service
Sport
Track Pace

**Menus (driver's display)**, Steering-wheel buttons

Assistant display
Navigation
Notes
Off-road
Operating
Supersport

**Mercedes-Benz app**

Activating Digital Extras

**Mercedes-Benz emergency call system**, Call for help, Emergency call
- Automatic emergency call
- Availability
- Data transfer
- Manual emergency call
- Overview
- Self-diagnosis

**Mercedes-Benz GenuineParts**

**Mercedes-Benz Support**
- Accident and Breakdown Management Digital Extras

**Mercedes-Benz Support Calls**
- Arranging a service appointment
- Calling Mercedes-Benz Support after automatic accident/breakdown detection
- Calls via the overhead control panel
- Information
- Mercedes-Benz Support
- Transferred data

**Message memory**

**Messages**, Short messages, Text messages
- Calling a message sender
- Deleting
- Dictating
- Forwarding
- Overview
- Read-aloud function
- Reading

Replying
Sending
Setting the displayed text messages
Using a phone number or URL
**Microsleep detection**
**Mirrors**
Mirror folding function
Outside mirrors
Rear-view mirror
**Mobile phone**
Canceling permission for Internet connection
Frequencies
Maximum transmission output
Smartphone integration
Telephone
Wireless charging (front)
**Model type**
**Modification**
Limited protection
**MOExtended tires**, Run-flat tires

# N

**Navigation**
- Activating
- Destination entry
- Displaying/hiding the menu
- MBUX voice commands
- Menu (driver display)
- Overview
- Updating the map data

**Navigation announcements**
- Activating/deactivating
- Repeating
- Switching audio fadeout on/off
- To adjust the volume

**Near-Field Communication (NFC)**
- Unlocking/locking the vehicle (Digital Vehicle Key)

**Neutral**

**Notes on breaking in a new vehicle**

**Notifications Center**
- Calling up a notification
- Editing a notification
- Message types
- Overview
- Selecting actions

# O

**Objects in the vehicle interior**
- Limited protection

**Occupant safety**
- Airbag
- Basic information
- Child seat
- Information on correct seat position
- Information on the child restraint system
- Passive occupant presence reminder
- Pets in the vehicle
- PRE-SAFE®
- Pregnancy (seat belt)

**Off-road**

**On-board diagnostics interface**

**On-board electronics**
- Two-way radios

**Online services**

**Open Source Software**

**Opening the trunk lid using your foot**
- HANDS-FREE ACCESS

**Operating fluids**
- Additives
- Brake fluid
- Coolant

Engine oil
Gasoline
Notes
Refrigerant (air conditioning system)
Windshield washer fluid

**Operating safety**

48 V on-board electrical system
High-voltage on-board electrical system

**Operating the**

(NFC function)

**Operator's Manual digital**

**Outside mirrors**

Automatic anti-glare mode
Automatic mirror folding function
Blind Spot Assist / Active Blind Spot Assist
Folding in/out
Memory function

Preselection MBUX
Setting
Warning lamp

**Overhead control panel**

# P

**Paddle shifters**
- Steering wheel paddle shifters

**Paint code**

**Panel heating**

**Panic alarm**, Alarm
- Activating/deactivating

**Park position**
- DIRECT SELECT lever

**Parking**
- Active Parking Assist
- PARKTRONIC

**Parking Assist**
- Activating/deactivating
- Active Parking Assist
- PARKTRONIC

**Parking Assist PARKTRONIC**
- Activating/deactivating
- Function
- Setting warning tones

**Parking assistance systems**
- Active Parking Assist
- Drive-Away Assist
- Maneuvering brake function

PARKTRONIC

**Parking brake**

**Parking for an extended period**

**Parking lamps**

**Parking lights**

**Parking option**

Displaying on the map

Selecting

**Parking position**

Exterior mirrors

Storing the front-passenger outside mirror using the memory button

Storing the position of the front-passenger outside mirror using reverse gear

**Parking service**

Displaying a parking option on the map

Selecting parking options

**Parking space**

Finding

**PARKTRONIC**

**PASSENGER AIR BAG**

Status display, front passenger air bag

**Passive occupant presence reminder**

Activating/deactivating

Function

**Payload**

Calculation example

Determining the maximum

**Pennant staff**
**Permitted towing methods**
Overview (plug-in hybrid)
**Personalized routines**
Activating and starting
Creating
Overview
Selecting
**Pets in the vehicle**
**Pictures**
Gallery app
**PIN protection**
System PIN protection
**Plastic trim care**
**Plug-in hybrid operation**
Charging cables (overview)
Charging notes
Charging the high-voltage battery at a fast charging station
Displaying the state of health
Ending the charging process (AC, level 1/2)
Ending the charging process (DC, level 3)
Function of the recuperative brake system
Functions of the energy flow display
Gen4/Gen5 charging cables
Haptic accelerator pedal
Indicator lamps on vehicle socket
Manually disconnecting the high-voltage on-board electrical system

Maximum charging current (mains socket)
Notes on plug-in hybrid operation
Operating safety
Power Charger
Power meter
Route-based operating-mode strategy
Sets recuperation
Starting the charging process (AC, level 1/2)
Starting the charging process (DC, level 3)
Stowing the charging cable
**POI**
Selecting
**POI symbols**
Selecting
**Post-collision brake**
**Power Charger**
**Power closing function**
Door
Trunk lid
**Power meter**, Output
Function/note
**Power supply**
Start/stop button
Switching on (start/stop button)
**Power washer**
**Pre-entry climate control**
activating/deactivating for departure time

for departure time, function
For departure time, setting
immediate
Preheating

**Pre-entry climate control upon unlocking**

Activating/deactivating
Adjusting

**Pre-entry climate control upon unlocking the vehicle**

Function

**PRE-SAFE®**, Anticipatory occupant protection

Function
PRE-SAFE® Sound
Reverting measures

**PRE-SAFE® Impulse Side**

Function
Inflating

**PRE-SAFE® PLUS**

Backing up measures

Function

**Pregnancy**

Information on correct seat position
Seat belt

**Preventative occupant protection system**

**Previous destinations**

Selecting

**Program**

**Progressive Sport Sound**

- Information
- Using

**Protection**

- Information (operating principle of the restraint system)
- Limited

**Protection against collision**

- Maneuvering brake function

**Protection of the environment**

- Driving style

**Pulling**

- Towing methods (plug-in hybrid)

**Pulling away**

- Optimized acceleration

# Q

**QR code rescue card** >

**Qualified specialist workshop** >

# R

**RACE START**
- Activating
- Activation conditions
- Information

**Racetrack mode**
- AMG steering-wheel buttons

**Radio**
- Activating
- Activating/deactivating radio text
- Calling up the station list
- Deleting stations
- Direct frequency entry
- Displaying radio text
- Editing station presets
- Managing favorites
- MBUX voice commands
- Menu
- Moving stations
- Overview
- Setting a channel
- Setting the frequency band
- Station search
- Station suggestion
- Storing radio stations

**Radio regulations**
- Regulatory radio identification

**Rain closing function**
- Sliding sunroof

**Rain sensor**
- Sliding sunroof
- Windshield wipers

**Reading lamp**
- Interior lighting

**Rear axle steering**

**Rear door (child safety lock)**
- Securing

**Rear fog light**

**Rear passenger compartment climate control**

**Rear passenger compartment seat belt**
- Status display

**Rear passenger compartment window heater**
- Operation (THERMATIC)

**Rear view camera**
- Opening the camera cover

**Rear window**
- Roller sunblind

**Rear-view mirror**

**Rearward-facing child seat**
- Information

**Recordings**
- Camera app

**Recuperation**
- Function
- Setting

**Reflective safety vest**

**Refrigerant**

**Refueling**
- depressurize the fuel tank (plug-in hybrid with gasoline engine)
- Fuel
- Refueling the vehicle

**Registration**
- Toll system

**Regulatory radio information**
- Specific absorption rate

**Remote Online**
- Charging the starter battery
- Cooling/heating the vehicle interior
- Starting the vehicle

**Replacement key**

**Reporting safety defects**

**Reserve**
- Fuel
- Fuel (Mercedes-AMG vehicles)

**Resetting**
- MBUX reset function

**Residual heat**
- Switching on/off (front)

**Responsibility**
- Driving safety systems

**Restraint system**
- Basic information
- Basic instructions for children
- Deployment situations
- Functionality
- Information on correct seat position
- Information on the operating principle
- Limited protection
- Malfunction
- Protection
- Self-test
- Warning lamp

**Reverse gear**
- DIRECT SELECT lever

**Roadside Assistance (breakdown)**

**Rocking free**

**Roll-away prevention**

**Roller sunblind**
- Opening/closing on the rear window (MBUX Interior Assistant)
- Rear window
- Side windows
- Sliding sunroof

**Roof luggage rack**
- Loading
- Securing

**Route**

- Adjusting on the map
- Alternative route
- Calculating
- Calculating alternative routes
- Commuter route
- Displaying destination information
- Displaying the route list
- Editing a stored route
- Navigation
- Planning
- Range Display service
- Recording
- Saving a recorded route
- Selecting a type
- Selecting notifications
- Selecting options
- Starting a saved route
- Starting the automatic service station search
- Switching the automatic gas station search on/off

**Route guidance**

- Canceling
- Changing direction
- Destination reached
- Freeway information
- Lane recommendations
- Notes

Off-road

Setting

**Route guidance with augmented reality**

**Run-flat characteristics**

Activating

Displaying road names/house numbers

Overview

**Route-based operating-mode strategy**

Function

**Route-based speed adaptation**

Function

# S

**Safety system**
- Overview
- Restrictions

**Satellite map**

**Satellite radio**
- Deleting a channel
- Displaying service information
- Information
- Moving a channel
- Music and sport alerts function
- Selecting a category
- Selecting a channel
- Setting music and sport alerts
- Setting the parental control
- Storing a channel
- Switching on

**Saving a destination suggestion as a favorite**

**Seat**, Front seat
- Adjusting electrically
- Adjustment (Seat Comfort)
- Automatic adjustment
- Center airbag (driver's seat backrest)
- Configuring settings
- Correct driver's seat position

ENERGIZING seat kinetics
Folding back the backrest (rear passenger compartment)
Folding the backrest forwards (rear passenger compartment)
Locking the backrest (rear passenger compartment)
Lumbar support
Massage programs
Memory function
Panel heating
Resetting the adjustments
Settings
Side airbag
Workout programs
**Seat belt**
Automatic tightening
Care
Notes on wearing correctly
Rear passenger compartment seat belt status display
Warning lamp
Wearing during pregnancy
**Seat belt adjustment**
Activating/deactivating
Function
**Seat belt warning**
**Seat belts**
Activating/deactivating seat belt adjustment
Fastening
Releasing

To adjust the height

**Seat heating**

activating/deactivating

**Seat kinetics**

Setting

**Seat ventilation**

activating/deactivating

**Selecting a gear**

**Selecting a sound characteristic (steering-wheel button)**

**Selecting the sound profile**

Burmester® 4D surround sound system

**Selector lever**

**Self-test**

Automatic front passenger air bag shutoff

Restraint system

**Sensors**

Cleaning

Information

**Service**

Menu (driver display)

**Service center**

**Service due date**

**Service interval display**

**Service station search**

Starting automatic search

**Servicing work**

Information on carrying out maintenance work at regular intervals

**Setting the date format**
**Setting the distance unit**
**Settings**
- Information

**Shifting**
- Automatic transmission
- Gearshift recommendation
- Manual
- Steering wheel paddle shifters

**Shortening the braking distance**
- Brake Assist System (BAS)

**Side airbag**
- Deployment

**Side window**
- Close with key
- Convenience closing
- Convenience opening
- Opening with the key
- Opening/closing
- Window films

**Side windows**
- Child safety lock (rear passenger compartment)
- Problem
- Roller sunblind

**Size designation**
- Tires

**Skid chains**

**Sliding sunroof**, Panorama roof with power tilt/sliding panel
- Automatic functions
- Close with key
- Opening with the key
- Opening/closing
- Problem
- Rain closing function

**SmartKey**
- Acoustic locking verification signal
- Battery
- Deactivating a function
- Function
- Key ring attachment
- Mechanical key
- Panic alarm
- Power consumption
- Unlocking setting

**Smartphone integration**
- Apple CarPlay®/Android Auto

**Snow chain mode**

**Snow chains**

**Socket**
- 12 V (front passenger footwell)

**Socket flap**

**SOS button**

**Sound**
- AMG Real Performance Sound
- PRE-SAFE® Sound
- Wheels/tires

**Sound settings**
- Adjusting treble, mid-range and bass settings
- Automatic loudness normalization
- Calling up the sound menu
- Information
- Setting the balance and fader

**Spare parts**

**Spare wheel**, Emergency spare wheel
- Notes

**Special seat belt retractor**

**Specialist workshop**

**Specific absorption rate (SAR)**

**Speed**
- Save, cruise control
- Save, DISTRONIC

**Speed adaptation**
- route-based

**Speed control**
- Active Distance Assist DISTRONIC
- Cruise control

**Speed rating**
- Tires

**Start-off Assist**
- Optimized acceleration

**Start/stop button**
- Parking the vehicle
- Starting the vehicle
- Switching on the power supply / vehicle

**Start/stop function**

**Starter battery**
- charging, Remote Online

**Starting**
- Remote Online
- Start/stop button

**Starting assistance**

**Starting the engine**
- Remote Online
- Start/stop button

**Starting-off aid**
- Optimized acceleration

**State of health (high-voltage battery)**

**Station**
- Deleting
- Direct frequency entry
- Managing favorites
- Moving
- Setting
- Storing

**Station list**
Calling up
**Station presets**
Editing
**Station search**
**Station suggestion**
Radio
**Status display**
Front passenger air bag
Rear passenger compartment seat belt
**Steer Assist**
Active Steering Assist
STEER CONTROL
**STEER CONTROL**
**Steering**
Rear axle steering
**Steering wheel**
Adjusting electrically
Driver's airbag
Maintenance
Manually adjusting
Memory function
**Steering wheel adjustments**
**Steering wheel heater**
Air conditioning menu
**Steering wheel heating**
Decoupling from the seat heating

**Steering wheel paddle shifters**
**Stop and go**
ECO start/stop function
**Stopping**
Parking the vehicle
**Stowage areas**
**Stowage space under the trunk floor**
**Stowage spaces**
Armrest (front)
Center console (front)
Door
Glove box
**Substances hazardous to health**
**Suggestions**
Configuring
Deleting
**Sulfur content**
**Supersport menu display content**
Selecting
**Suspension**
AIRMATIC
AMG adaptive sport suspension system
Selecting the suspension setting
Setting the suspension level (AIRMATIC)
**Switch-off delay time**
Exterior

Interior

**Switching air-recirculation mode on/off**

**Switching loudness normalization on/off**

Burmester® 4D surround sound system

**System PIN protection**

Activating/deactivating

**System settings**

Activating/deactivating system PIN protection

MBUX reset function

Setting the distance unit

Setting the time zone

Setting the time/date format

Transmission of the vehicle position

# T

**Tank capacity**
- Fuel
- Reserve

**Tank content**
- Fuel (Mercedes-AMG vehicles)
- Reserve (fuel), (Mercedes-AMG vehicles)

**Tank filler cap / flap**

**Technical data**
- High-voltage battery
- Information
- Maximum speeds
- Radio frequencies
- Radio regulations
- Specific absorption rate (SAR)
- Vehicle dimensions

**Telediagnosis**
- Diagnostic data

**Telediagnostics**
- Transferred data

**Telemetry display**

**Telephone**, Smartphone
- Activating functions during a call
- Calls with several participants

Changing a function
Connecting a mobile phone
Deleting a mobile phone
Incoming call during an existing call
Information
MBUX voice commands
Mobile phone usage
Notes
Secure Simple Pairing
Smartphone integration
Switching between mobile phones
Telephone menu overview
Telephone operation
Voice recognition
Wirelessly charging a(mobile phone, front)
**Television**, Digital TV
MBUX voice commands
**Temperature**
Adjustment (THERMATIC)
Adjustment (THERMOTRONIC)
**Temperature and airflow**
Adjusting
**Temperature engine oil (driver display)**
Display
**Temperature grade**

**THERMATIC**
- Air conditioning control panel

**THERMOTRONIC**
- Air conditioning control panel

**Through-loading feature**

**Tie-down eyes**

**Time**
- Manual time setting
- Setting the time zone
- Setting the time/date format

**TIN (Tire Identification Number)**

**Tire and Loading Information placard**

**Tire information table**

**Tire labeling**
- Load index
- Load-bearing capacity
- Size designation
- Speed rating

**Tire lettering**
- Composition
- DOT, Tire Identification Number (TIN)
- Maximum tire load
- Maximum tire pressure
- Temperature grade
- Tire Quality Grading
- Traction grade
- Tread wear grade

**Tire pressure**
- Checking
- Checking manually
- maximum
- Notes
- Tire pressure table
- TIREFIT kit

**Tire pressure monitor**
- Function

**Tire pressure monitoring system**
- Restarting

**Tire pressure table**

**Tire Quality Grading**

**Tire sealant**

**Tire tread**

**Tire-change tool**

**Tire-change tool kit**

**TIREFIT kit**, Tire inflation compressor
- Storage location (plug-in hybrid)

**Tires**
- Breakdown
- Checking
- Checking the temperature
- Checking the tire pressure manually
- Composition
- Definitions

DOT, Tire Identification Number (TIN)
Installing
Labeling
Load index
Load-bearing capacity
Maximum pressure
Maximum tire load
MOExtended
Noise
Notes on installing
Removing
Removing/installing hub caps
Replacing
Rotating
Selecting
Size designation
Snow chains
Speed rating
Storing
Temperature grade
Tire and Loading Information placard
Tire pressure table
Tire Quality Grading
TIREFIT kit
Traction grade
Tread wear grade
Unusual handling characteristics

**Toll system**
- Debiting toll fees
- Registering and activating

**Top Tether**

**Topographical compensation**, Predictive headlamp range control

**Torque (driver display)**
- Display

**Touch Control**
- Driver display
- MBUX
- Setting the sensitivity

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- Active Brake Assist warning lamp
- ATTENTION ASSIST warning lamp
- Brakes warning lamp (Canada only)
- Brakes warning lamp (USA only)
- Brakes warning lamp (yellow) (Canada only)
- Check Engine warning lamp
- Coolant warning lamp (red)
- Coolant warning lamp (yellow)
- Distance warning lamp
- Electric parking brake indicator lamp (red) (Canada only)
- Electric parking brake indicator lamp (red) (USA only)
- Electric parking brake indicator lamp (yellow)
- Electrical malfunction warning lamp
- Engine operating temperature warning lamp
- ESP® OFF warning lamp
- ESP® warning lamp flashes

ESP® warning lamp lights up
Fuel reserve warning lamp flashes
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Occupant presence reminder warning lamp (white)
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**Zero layer**

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# Publication details

**WEBSITE**
Further information about Mercedes-Benz vehicles and about Mercedes-Benz AG can be found on the following websites:

https://www.mbusa.com (USA only)

https://www.mercedes-benz.ca (Canada only)

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