SEAT

5D / Sportstourer

# Leon

Owner's manual

## Vehicle identification data

| |
|---|
| Model: |
| Vehicle Registration: |
| Vehicle identification number: |
| Date of vehicle registration or vehicle delivery: |
| SEAT Official Service: |
| Service advisor: |
| Telephone: |

## Confirmation of receipt of documentation and vehicle keys

| **The following items were delivered with the vehicle:** | **YES** | **NO** |
|---|---|---|
| On-board documentation | ☐ | ☐ |
| First key | ☐ | ☐ |
| Second key | ☐ | ☐ |
| Correct working order of all keys was checked | ☐ | ☐ |
| Location:<br><br>Date: | | |
| Signature of owner: | | |

# Thank you for your confidence

With your new SEAT, you will be able to enjoy a vehicle with state-of-the-art technology and top quality features.

We recommend reading this Instruction Manual carefully to learn more about your vehicle so you can enjoy all its benefits in your daily driving.

Information about handling is complemented with instructions regarding the operation and maintenance of the vehicle in order to ensure its safety and maintain its value. Moreover, we want to give you valuable advice and tips to drive your vehicle efficiently and respecting the environment.

We wish you safe and enjoyable motoring.

**SEAT, S.A.**

**⚠ WARNING**

**Read and always observe safety information concerning the passenger's front airbag** ››› page 63, *Fitting and using child seats*.

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# About this instruction manual

This instruction manual is valid for all variants and versions of your SEAT model. It describes all equipment and models without specifying whether they are optional equipment or model variants. As a result, equipment not fitted to your vehicle or only available in certain countries may be described. Find out about your vehicle's equipment in the documentation supplied with it and please contact your SEAT Official SEAT Service if you require more detailed information.

All information provided in instruction manual corresponds to the information available at the time of going to press. As the vehicle is under continuous development, it may have differences to the data included in this manual. For this reason, no claims can be made in the event of mismatching data, illustrations and descriptions.

Ensure that the on-board documentation is kept in the vehicle at all times if you sell it or lend it to third parties. In addition, SEAT recommends resetting the infotainment system to factory settings to delete all personal data.

Some details on the **drawings** may be different to your vehicle and they should be interpreted as a standard representation.

The **direction indicators** (left, right, forwards, backwards) in this manual refer to the direction of travel of the vehicle unless otherwise stated.

This instruction manual has been written for **left-hand drive vehicles**. In right-hand drive vehicles, the arrangement of the controls differs partly from that shown in the illustrations or described in the texts.

Technical modifications to the vehicle or safety-critical issues that have arisen since the time of going to press will be included in a supplement to the on-board documentation.

® **Trademarks** are marked with ®. The absence of this symbol does not guarantee that the term is not a trademark.

You can access the information in this manual using:

- Thematic table of contents that follows the manual's general chapter structure.
- Visual table of contents that uses graphics to indicate the pages containing "essential" information, which is detailed in the corresponding chapters.
- Alphabetical index with many terms and synonyms to help you find information.

**⚠ WARNING**

**Texts after this symbol contain information about safety and warn you about possible accident or injury risks.**

**NOTICE**

**Texts after this symbol indicate possible damage to the vehicle.**

**For the sake of the environment**

**Texts after this symbol contain information on environmental protection.**

**Note**

**Texts after this symbol contain additional information.**

### Digital instruction manual

The digital version of the manual can be found on SEAT's official website:

- scan the QR code.
- **OR** enter the following address in the navigator website:

https://www.seat.com/owners/about-my-car/manuals.html

and select your vehicle.

### Related videos

The operation of some of the vehicle's features can be shown as an instruction video:

- scan the QR code.
- **OR** enter the following address in the navigator website:

https://www.seat.com/owners/about-my-car/manuals.html

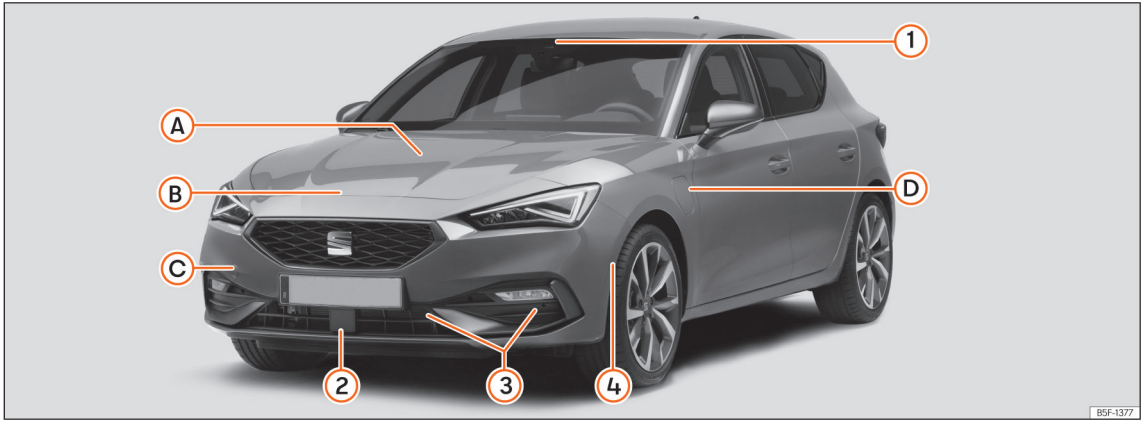
choose your vehicle and then the "Multimedia" section.

**Note**

**Video instructions are only available in certain languages.**

# General views of the vehicle

## Front exterior view (Leon)




**Driving assistance sensors** ››› page 190

1. Front multifunction camera
2. Front radar
3. Park distance control sensors
4. Park assist sensor

Ⓐ **Levels control**

Oil ››› page 345

Brake fluid ››› page 343

Battery ››› page 349

Ⓑ **Bonnet**

Unlocking lever ››› page 338

Open/close ››› page 338

Ⓒ **Towing the vehicle**

Tow start ››› page 328

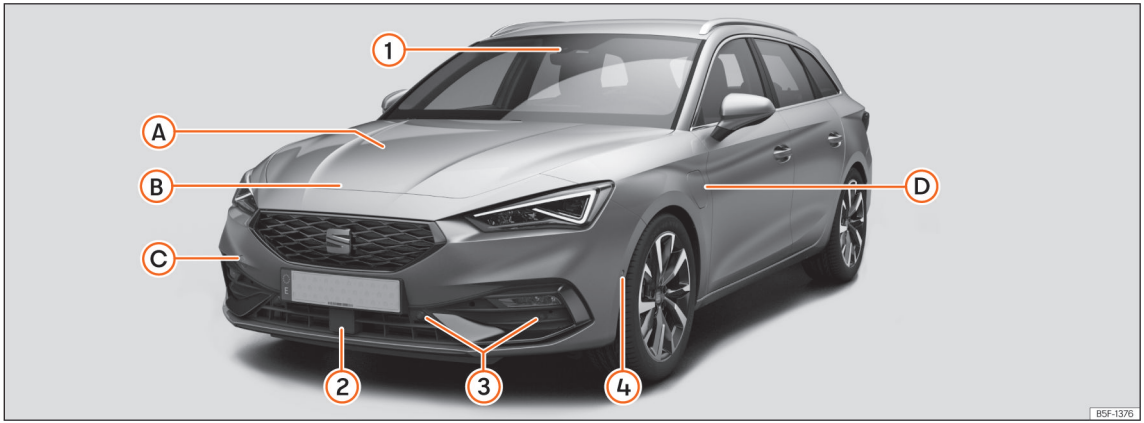
Towline anchorage ››› page 330

Ⓓ **Charging socket** (hybrid vehicles)

Charging process display ››› page 83

Emergency unlocking ››› page 85

# Front exterior view (Leon Sportstourer)




**Driving assistance sensors** ››› page 190

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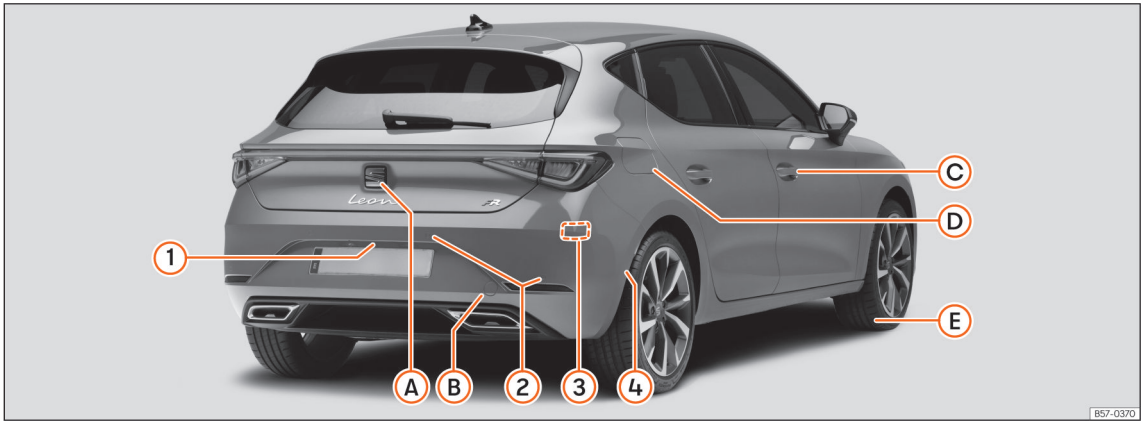
Charging process display ››› page 83

Emergency unlocking ››› page 85

# Rear exterior view (Leon)




**Driving assistance sensors** ››› page 190

1. Rear view camera
2. Park distance control sensors
3. Rear radars
4. Park assist sensor

**A Rear lid**

Opening from outside ››› page 109

Emergency opening ››› page 113

**B Towing the vehicle**

Tow-start ››› page 328

Towline anchorage ››› page 330

**C Opening and closing**

Doors ››› page 107

Central locking ››› page 101

Emergency lock ››› page 108

**D Fuel tank**

Fuel capacity ››› page 393

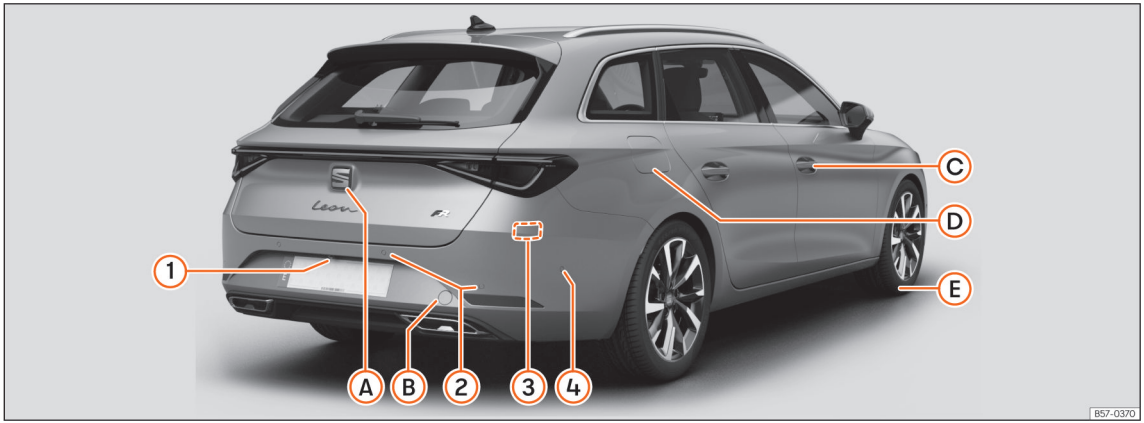
Open/Close cap ››› page 316

**E Action in the event of a puncture**

Anti-puncture kit ››› page 372

Wheel change ››› page 364

# Rear exterior view (Leon Sportstourer)




**Driving assistance sensors** ››› page 190

1. Rear view camera
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3. Rear radars
4. Park assist sensor

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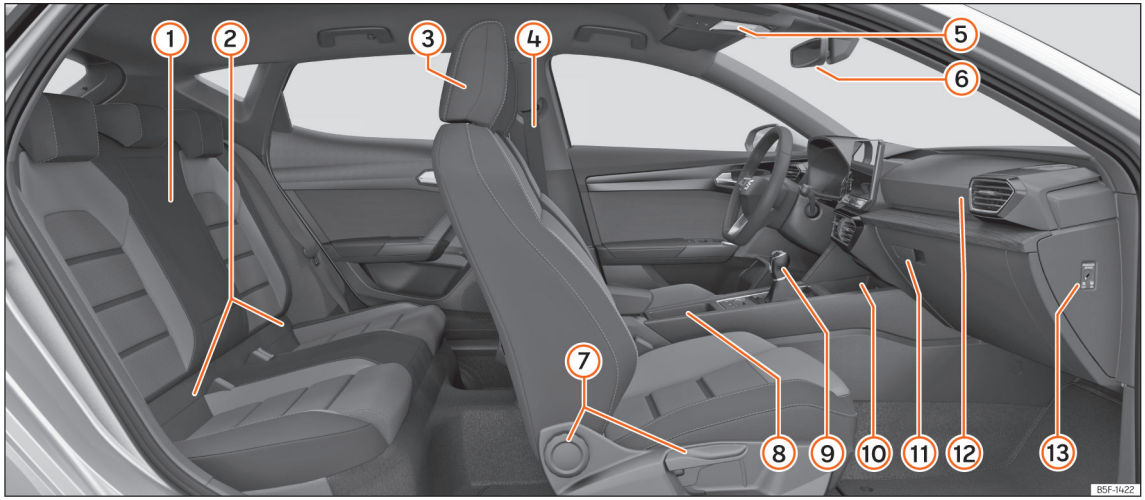
Open/Close cap ››› page 316

**E Action in the event of a puncture**

Anti-puncture kit ››› page 372

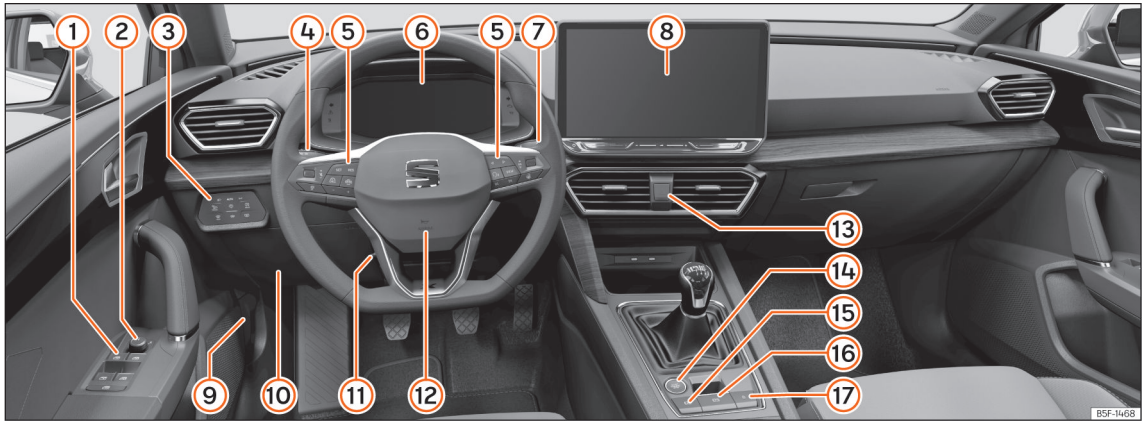
Wheel change ››› page 364

# Interior view




1. Armrest ››› page 301
2. Isofix anchors ››› page 64
3. Headrest adjustment ››› page 123
4. Seat belts ››› page 47
5. Sunroof ››› page 115
6. Interior mirror ››› page 139
7. Seat adjustment ››› page 121
8. Emergency start ››› page 168
9. DSG automatic transmission ››› page 176 / Manual gearbox ››› page 175
10. Connectivity Box / Wireless Charger ››› page 290
11. Glove compartment ››› page 243
12. Front passenger airbag ››› page 56
13. Disconnecting the front passenger front airbag ››› page 57

# Overview (left hand drive)




1. Electric windows ››› page 113
2. Exterior mirror adjustment ››› page 140
3. Control for lighting and demisting windows ››› page 128
4. Turn signal and main beam lever ››› page 130
5. Multifunction steering wheel control panels ››› page 119
6. SEAT Digital Cockpit ››› page 17

   Indicator lamps ››› page 13
7. Wipers and rear window wiper ››› page 136
8. Infotainment system ››› page 35, ››› page 261
9. Open bonnet lever ››› page 338
10. Fuses ››› page 331
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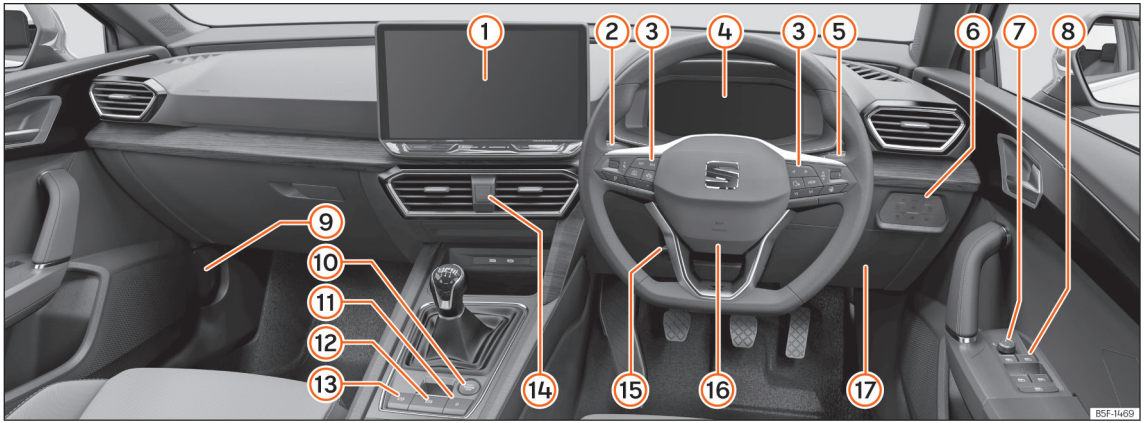
12. Steering wheel with driver's airbag ››› page 56 / Gear shift paddles for the Tiptronic ››› page 178
13. Hazard warning lights ››› page 71
14. Start button ››› page 164
15. Auto Hold ››› page 225
16. Electronic parking brake ››› page 223
17. Central locking ››› page 100

# Overview (right hand drive)




1. Infotainment system ››› page 35 , ››› page 261
2. Turn signal and main beam lever ››› page 130
3. Multifunction steering wheel control panels ››› page 119
4. SEAT Digital Cockpit ››› page 17

   Indicator lamps ››› page 13
5. Wipers and rear window wiper ››› page 136
6. Control for lighting and demisting windows ››› page 128
7. Exterior mirror adjustment ››› page 140
8. Electric windows ››› page 113
9. Open bonnet lever ››› page 338
10. Start button ››› page 164
11. Central locking ››› page 100
12. Electronic parking brake ››› page 223
13. Auto Hold ››› page 225
14. Hazard warning lights ››› page 71
15. Steering wheel adjustment ››› page 120
16. Steering wheel with driver's airbag ››› page 56 / Gear shift paddles for the Tiptronic ››› page 178
17. Fuses ››› page 331

# Driver information

## Control lamps

### Control and warning lamps

The warning and control lights can be lit individually or in combination and serve as a warning, to indicate the presence of an anomaly or to warn of the activation of certain functions. Some turn on when the ignition is switched on and have to be switched off after a certain period of time.

Depending on the model, additional text messages may be viewed on the instrument panel display. These may be purely informative or they may be advising of the need for action.

Depending upon the equipment fitted in the vehicle, instead of a warning lamp, sometimes a symbol may be displayed on the instrument panel.

The control lamps that light up on the light control are explained in chapter ››› page 128, *Lights*.

**⚠ WARNING**

**If the warning lamps and messages are ignored, faults may occur in the vehicle, it may stall in traffic, or accidents and serious injuries may occur.**

- **Never ignore warning lamps or text messages.**
- **Stop the vehicle safely as soon as possible.**

| Symbol | Meaning |
|---|---|
| | STOP Stop driving!<br>Central warning lamp ››› page 24 |
| | Fasten your seat belt ››› page 47 |
| | Deep discharge of the high-voltage battery ››› page 84 |
| | Electronic parking brake on ››› page 223 |
| | STOP Stop driving!<br>Fault in the brake system ››› page 186 |
| | STOP Stop driving<br>Brake fluid level low ››› page 343 |

| Symbol | Meaning |
|---|---|
| | STOP Stop driving!<br>The electromechanical brake servo is not working ››› page 188 |
| | Take control of the vehicle and be ready to brake! ››› page 200 |
| | STOP Stop driving!<br>Fault in the motor coolant system ››› page 20 |
| | STOP Stop driving!<br>Fault in the high-voltage system coolant fluid system ››› page 21 |
| | Engine oil pressure ››› page 348 |
| | Engine oil level very low ››› page 348 |
| | STOP Stop driving!<br>Steering anomaly ››› page 183 |
| | STOP Stop driving!<br>Fault in the high voltage system ››› page 84 |
| | STOP Stop driving!<br>Fault in the electric drive system ››› page 170 |

| Symbol | Meaning |
|---|---|
| | STOP Stop driving!<br>12 volt battery ››› page 352 |
| | STOP Stop driving!<br>48 volt battery ››› page 354 |
| | Collision warning ››› page 208 |
| | Take control of the steering immediately ››› page 216 |
| | AdBlue level® too low, OR fault in the SCR system ››› page 320, ››› page 320 |
| SOS | Emergency Assist active with lane guidance ››› page 217 |
| SOS | Emergency Assist active without lane guidance ››› page 217 |
| | Central warning lamp ››› page 24 |
| | Fault in the airbag system or the seat belt tensioners ››› page 55 |
| | Range calculation failure ››› page 85 |
| OFF | Front passenger front airbag off ››› page 55 |
| ON | Front passenger airbag on ››› page 55 |

| Symbol | Meaning |
|---|---|
| | Electronic parking brake fault ››› page 224 |
| | Please check brake pad ››› page 186 |
| | Lights up: fault in the electronic stability control (ESC) ››› page 189<br>Flashing: Electronic stability control (ESC) or Traction Control regulating ››› page 189 |
| OFF | TCS manually deactivated, ESC in Sport mode or ECS manually deactivated ››› page 188 |
| ABS | ABS fault ››› page 189 |
| | Fault in the electromechanical brake servo ››› page 188 |
| | Travel assist unavailable ››› page 216 |
| | Fault in the vehicle's lighting ››› page 128 |
| | Fault in the emissions control system ››› page 322 |
| | Particulate filter clogged ››› page 322 |
| | Diesel engine preheating; OR diesel engine management fault ››› page 322 |
| EPC | Petrol engine management fault ››› page 322 |

| Symbol | Meaning |
|---|---|
| | Rear fog light on ››› page 128 |
| | Fuel tank almost empty ››› page 19 |
| | Engine oil level ››› page 348 |
| | Presence of water in diesel. ››› page 20 |
| | Steering anomaly ››› page 183 |
| | Fault in the tyre pressure loss indicator ››› page 372<br>STOP Stop driving!<br>Low tyre pressure ››› page 371 |
| | Fault in the electric drive system ››› page 170 |
| | Electronic engine sound fault ››› page 170 |
| | Front Assist not available or with limitations ››› page 209 |
| OFF | Front Assist deactivated ››› page 210 |
| | Cruise control fault (GRA) ››› page 195 |
| LIM | Speed limiter not available ››› page 197 |
| | Gearbox fault ››› page 181, ››› page 181 |

| Symbol | Meaning |
|---|---|
| | Adaptive cruise control (ACC) not available ››› page 205 |
| SOS | Emergency Assist unavailable ››› page 218 |
| | Lane Assist not available ››› page 212 |
| | Lane Assist (lane keeping system) regulating ››› page 211 |
| OFF | Lane Assist deactivated ››› page 212 |
| | Exit Warning not available ››› page 193 |
| | Side Assist (lane change assistance system) not available ››› page 193 |
| | Traffic sign recognition limited or not available ››› page 34 |
| | Rear Cross Traffic Alert not available ››› page 193 |
| | Battery / 12V power supply ››› page 353 |
| | Battery / 48V power supply ››› page 355 |
| | Low state of charge of the high voltage battery ››› page 85 |
| | High voltage battery discharged ››› page 84 |

| Symbol | Meaning |
|---|---|
| | AdBlue level® low, OR fault in the SCR system ››› page 320, ››› page 320 |
| AUTO HOLD | Auto Hold active ››› page 225 |
| | Turn signals ››› page 128 |
| | Trailer turn signals ››› page 128 |
| | Cruise control (GRA) ››› page 194 |
| LIM | Speed limiter active ››› page 196 |
| | Lane Assist (lane keeping system) active. ››› page 211 |
| | Press the brake pedal ››› page 181 |
| | Travel Assist active ››› page 213 |
| | Adaptive Cruise Control (ACC) regulating, no vehicle detected ahead ››› page 201 |
| | Adaptive Cruise Control (ACC) regulating, vehicle detected ahead ››› page 201 |
| | Vehicle charging ››› page 83 |
| | Main beam on or flasher on ››› page 128 |
| AUTO HOLD | Auto Hold function on ››› page 225 |

| Symbol | Meaning |
|---|---|
| LIM | The speed limiter is not active ››› page 196 |
| | Start-Stop system activated ››› page 173 |
| | Start-Stop system unavailable ››› page 173 |
| | Travel Assist active, adaptive cruise control (ACC) active and adaptive lane guidance function passive. ››› page 213 |
| | Exterior temperature below +4 °C (+39 °F) ››› page 22 |
| | Main beam assist active ››› page 131 |
| | Take control of the steering ››› page 216 |
| OFF | Speed warning system partially deactivated ››› page 34 |
| | Front Assist connecting ››› page 209 |
| | Distance warning ››› page 208 |
| | Electric mode driving not available ››› page 172 |
| | Reference to information in the on-board documentation ››› page 24 |
| | Service intervals display ››› page 25 |

# Instrument panel

## Introduction

After switching the engine on with a 12-volt battery that is heavily discharged or newly changed some system settings (such as the time, the date, the personalised comfort settings and the programming) might be altered or deleted. Check and correct these settings once the battery is sufficiently charged.

**⚠ WARNING**

**Any distraction may lead to an accident, with the risk of injury.**

- **Do not operate the instrument panel controls when driving.**
- **To reduce the risk of accident and injury, only make adjustments to the instructions on the instrument panel display and to the instructions on the Infotainment system display when the vehicle is stationary.**

## SEAT Digital Cockpit

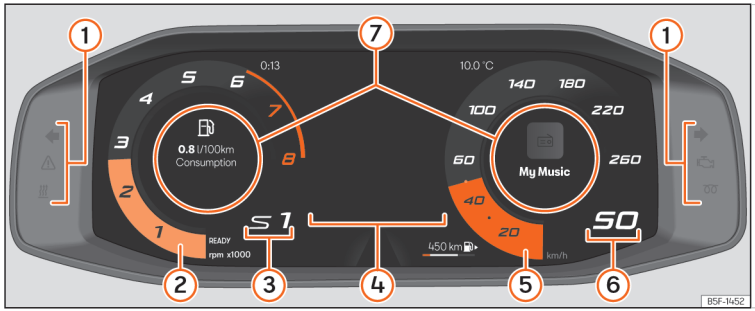



**Fig. 1** SEAT Digital Cockpit on the instrument panel (classic view).

1. **Control and warning lamps** ››› page 13.
2. **Revolution counter**. Revolutions per minute the engine is running ››› page 19.
3. **Gear engaged or selector lever position.**
4. **Screen display** ››› page 22.
5. **Speedometer**.
6. **Digital speed display**.
7. **Information Profile** ››› page 18.

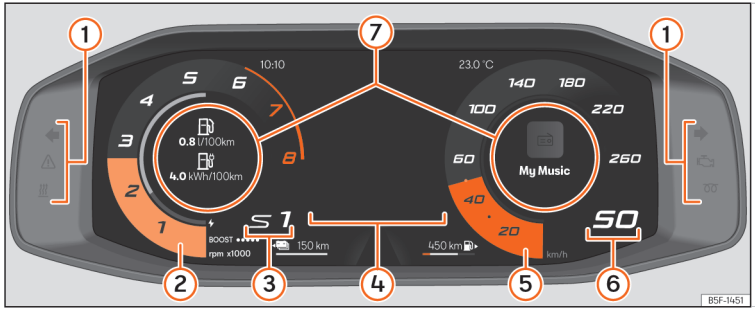



**Fig. 2** Hybrid vehicles: SEAT Digital Cockpit on the instrument panel (classic view).

① **Control and warning lamps** ››› page 13.

② **Rev counter and Powermeter**. Revolutions per minute the engine is running ››› page 21.

③ **Gear engaged or selector lever position.**

④ Screen displays ››› page 22.

⑤ **Speedometer**.

⑥ **Digital speed display**.

⑦ **Information Profile** ››› page 18.

The SEAT Digital Cockpit is a digital instrument cluster with a high resolution colour TFT display. It has a 3 views accessible using the button **VIEW** of the multifunction steering wheel.

By selecting different information profiles, indications other than the classic circular instruments can be displayed, such as navigation data, multimedia information or travel data.

The 3 views are:

- Classic
- Dynamic
- Navigation

All views will display information on the screen about audio, phone, travel data, vehicle status, navigation [1] and driving aids[1].

### Information profiles

The ◁ / ▷ buttons on the multifunction steering wheel can be used to browse through the different SEAT Digital Cockpit information.

Information on the vehicle status, travel data and odometer will be displayed on the left side.

On the right side information will be displayed on: audio, telephone, compass and navigation manoeuvres.

Depending on the view, the **central area** of the SEAT Digital Cockpit displays information about the following:

- *Classic View and Dynamic View:* Initial data, date, distance travelled and range. Turning the right thumbwheel on the multifunction steering wheel: navigation map, driving data (pressing **OK** switches between the different memories).
- *Navigation View:* By pressing the button **OK** on the multifunction steering wheel and then turning the thumbwheel you can view the map in a larger or smaller view. If you press the button **OK** again, the map returns to automatic scale.

[1] Depending on the version.

### Classic View

The revolutions per minute and speedometer needles appear in full length by a long press on the button VIEW on the multifunction steering wheel, regardless of the menu displayed in the central area ››› Fig. 1 , ››› Fig. 2.

With another long press on the button VIEW, the display returns to the previous view.

**Or** looking in the instrument panel menu for the ✕ **Close** option using the right hand thumbwheel on the multifunction steering wheel, and then press OK.

### Information that may be displayed in the central area of the SEAT Digital Cockpit speedometer

- Audio
- Telephone
- Compass
- Navigation indications (the most recent destinations are displayed by pressing the arrow on the right of the multifunction steering wheel)
- ✕ > OK (close classic view).

### Information that may be displayed in the central area of the SEAT Digital Cockpit rev counter

- Consumption and average consumption. By pressing the arrow on the left of the multifunction steering wheel, you can switch between the different memories of the travel data.
- Autonomy (fuel tank level).
- Lubricating oil and coolant temperature
- Average speed. By pressing the arrow on the left of the multifunction steering wheel, you can switch between the different memories of the travel data.
- Other travel data: km travelled and driving time. By pressing the arrow on the left of the multifunction steering wheel, you can switch between the different memories of the travel data.
- Assist systems.
- ✕ > OK (close classic view).

## Revolution counter

The rev counter indicates the number of engine revolutions per minute.

Together with the gear-change indicator, the rev counter offers you the possibility of using the engine of your vehicle at a suitable speed.

The beginning of the red zone of the rev counter indicates the maximum speed in any gear after running-in and with the engine hot. However, it is advisable to move the selector lever to **D** or lift your foot off the accelerator before the needle reaches the red zone ››› ⓘ.

We recommend that you avoid high revs and that you follow the recommendations on the gear-change indicator. See the additional information in ››› **page 159, *Selecting the optimal gear*.**

**NOTICE**

- **To prevent damage to the engine, the rev counter needle should only remain in the red zone for a short period of time.**
- **When the engine is cold, avoid high revs and heavy acceleration and do not make the engine work hard.**

**For the sake of the environment**

**Changing up a gear early will help you to save fuel and minimise emissions and engine noise.**

## Fuel gauge

**Fig. 3** Fuel gauge located in different positions depending on the view.

### Indicator lamps

Its lights up yellow. Fuel tank almost empty. The fuel reserve level has been reached ››› ⚠. Refuel as soon as you have the opportunity.

Its lights up yellow. Presence of water in diesel. Turn off the engine and seek professional assistance.

The display only works when the ignition is switched on.

The fuel range is displayed on the instrument panel.

You can consult the tank capacity of your vehicle in ››› page 393.

**⚠ WARNING**

**When driving with low fuel, the vehicle may stall in traffic and cause accidents and severe injuries.**

- **If the fuel tank level is too low, fuel could reach the engine irregularly, particularly when driving up or down slopes.**
- **The steering system and the assistant systems and brakes do not work when the engine is running irregularly or switches off due to lack of fuel or an irregular supply thereof.**
- **SEAT recommends always refuelling when the tank is approximately one quarter full, to prevent the vehicle from stopping due to a lack of fuel.**

**ⓘ NOTICE**

**Never run the fuel tank completely dry. An irregular fuel supply can cause misfiring and unburnt fuel could enter the exhaust system. The catalytic converter or the particulate filter may get damaged!**

**ⓘ Note**

**The small arrow on the fuel gauge next to the fuel pump symbol points out towards the side of the vehicle with the fuel tank flap.**

## Battery level indicator

✓ Valid for: hybrid vehicles

**Fig. 4** Digital instrument cluster: battery level indicator.

The small arrow next to the battery symbol on the fuel gauge indicates which side of the vehicle the charging cover is on.

**ⓘ NOTICE**

- **Never drive with the tank completely empty. Under certain circumstances, the energy stored in the high-voltage battery may not be sufficient to reach the nearest service station.**
- **When the outside temperature is very low, and therefore the high-voltage battery is very cold, difficulties may arise in starting the internal combustion engine and the range in the electric driving mode may be reduced.**

## Coolant temperature indicator.

The coolant temperature view can be selected in the corresponding menu ››› page 17.

### Control and warning lamps

**Fault in the engine coolant system**

The LED flashes red.

**Engine coolant**

The lamp lights up red.

The motor coolant temperature is too high or the motor coolant level is too low.

- **Stop driving!** Stop the vehicle at the next opportunity and in a safe place.
- Switch off the engine and let it cool down.
- Check the coolant level in the coolant expansion tank ››› page 341.

If the warning lamp does not go out even though the motor coolant level is correct, do not continue to drive or leave the motor running. Seek specialist assistance.

### Control and warning lamps (valid for hybrid vehicles)

| | |
|---|---|
| together with | **Fault in the high-voltage cooling circuit**<br>The warning lamps flash red. |
| | **Engine coolant**<br>The lamp lights up red.<br>Engine or high-voltage system coolant level too low, engine or high-voltage system coolant temperature too high. |

- **Stop driving!** Stop the vehicle at the next opportunity and in a safe place.
- Switch off the engine and let it cool down.
- Check the coolant level in the coolant expansion tank ››› page 341.
- Check the coolant level in the high-voltage cooling circuit ››› page 341. If the level is too low **DO NOT add coolant**. Seek specialist assistance immediately.

If the warning lamp does not go out even though the motor coolant level is correct, do not continue to drive or leave the motor running. Seek specialist assistance.

**NOTICE**

- **To ensure a long useful life for the engine, avoid high revs, driving at high speed and making the engine work hard for approximately the first 15 minutes when the engine is cold. The phase until the engine is warm also depends on the outside temperature. If necessary, use the engine oil temperature as a guide** **››› page 23**.
- **Additional lights and other accessories in front of the air inlet reduce the cooling effect of the coolant. At high outside temperatures and high engine loads, there is a risk of the engine overheating.**
- **The front spoiler also ensures proper distribution of the cooling air when the vehicle is moving. If the spoiler is damaged this can reduce the cooling effect, which could cause the engine to overheat. Seek specialist assistance.**

## Power meter

✓ Valid for: hybrid vehicles

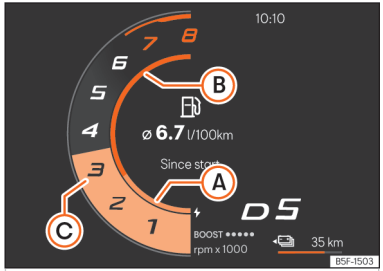



**Fig. 5** Digital instrument cluster: Power meter

The following displays can be seen on the Power meter: ››› Fig. 5.

Ⓐ **Green zone** (*Charge*). The vehicle recovers electrical energy.

Ⓑ **Blue zone** (*Power %*). Driving in **Electric Mode**. Indicates the percentage of power used and the maximum amount of power currently available.

Ⓒ The combustion engine must be running. With the Boost function, the vehicle drives for a short period of time with maximum power from both the electric motor and the combustion engine.

The power meter shows the usage level of the electric drive. The power meter bar shows the current usage level.

A finer coloured border indicates how much the propulsion can currently be used. Depending on the selected driving program and the current availability of electrical power, the boundaries of the different colours can vary.

## Status display

### Possible indications on the instrument panel display

The instrument cluster can display a variety of information, superimposed according to the vehicle's equipment:

- Doors, bonnet and rear lid open
- Warning and information messages
- Odometer
- Time ››› page 25
- Indications of the radio and navigation system
- Indications of the phone
- Outside temperature
- Compass indication
- Selector lever positions
- Gear-change recommendation
- Combined range (hybrid vehicles)
- Display of travel data (multifunction display) and menus for different settings ››› page 23
- Service interval display ››› page 25
- Speed warning
- Speed warning for winter tyres
- Start-Stop system status display ››› page 173
- Signs detected by the road signs detection system and warning that the maximum permitted speed has been exceeded
- Indication of active cylinder management status (ACT®) ››› page 159
- Low consumption driving
- Assistant systems display

### Doors, bonnet and rear lid open

When the vehicle is unlocked and while driving, the instrument panel display shows if any of the doors, the bonnet or rear lid are opened and, in some cases, it is also indicated by an audible warning.

### Selector lever positions

The current position of the selector control is shown on the side of the control and on the instrument cluster display. When the control is in the **D/S** position or in the Tiptronic position, in some cases, the gear engaged in each case is shown on the instrument cluster display .

### Outside temperature indicator

If the outside temperature is lower than approximately +4 °C (+39 °F), the "ice crystal symbol" ❄ also lights up on the outside temperature indicator. This symbol remains lit until the outside temperature exceeds +6 °C (+43 °F) ››› ⚠.

In the following situations, the displayed exterior temperature may be higher than the actual temperature due to the heat emitted by the motor:

- When the vehicle is stationary
- When driving very slowly

### Gear-change recommendation

While driving, the instrument panel of certain vehicles may indicate a gear recommendation for saving fuel ››› page 159.

### Odometer

The *odometer* registers the total distance travelled by the car.

### Combined operating range display (hybrid vehicles)

The value shown is calculated and updated according to the driving style. Therefore, the range can vary even when the fuel tank is full and the high-voltage battery is fully charged.

Range can be increased by reducing or switching off comfort consumers, e.g. air conditioning or seat heating.

### Speed warning for winter tyres

If the maximum set speed is exceeded, this is displayed on the instrument cluster display.

The speed warning can be set in the infotainment system ››› page 40.

### Compass indication

Depending on the equipment, when the ignition is on, the instrument panel display indicates the direction in which you are driving with a symbol, e.g. NW for Northwest.

When the Infotainment system is on and there is no route guidance active, the graphic representation of a compass is also shown.

### Low consumption driving eco

Depending on the equipment, when driving, the eco display appears on the instrument panel when the vehicle is in low consumption status due to active cylinder management (ACT®) ››› page 159.

**⚠ WARNING**

**Even when the outside temperature is higher than freezing temperature, some roads and bridges could be frozen.**

- **The "ice crystal symbol" indicates that there may be a risk of freezing.**
- **At outside temperatures above +4 °C (+39 °F), there may be ice even when the "ice crystal symbol" is not on.**
- **The outside temperature sensor takes a guideline measurement.**

**Note**

- **There are different instrument panels and therefore the versions and instructions on the display may vary. In the case of displays without warning or information texts, faults are indicated exclusively by the control warning lamps.**
- **Some indications on the instrument panel screen may be concealed by a sudden event, e.g. an incoming call.**
- **Depending on the equipment, some settings and instructions can be carried out or displayed on the infotainment system as well.**
- **If there are several warnings at the same time, the symbols will be displayed one after the other for a few seconds. The symbols will stay on until you remove the cause.**
- **If when switching on the ignition warnings are shown about existing faults, it might not be possible to change the settings or show the information as described. In this case, go to a specialised workshop and request a repair.**

## Driving data indicator

The driving data display shows a range of driving data and consumption values.

### Change from one display to another

- Turn the right thumbwheel of the multifunction steering wheel ››› page 35.

### Changing memory

- Depending on the view, select **Driving data** and press the left arrow or the OK button on the multifunction steering wheel.

– **Since start:** The memory is deleted if the journey is interrupted for more than 2 hours.

– **Since refuel:** Display and storage of the journey data and the consumption values collected. When refuelling, the memory is deleted.

– **Long-term:** This memory contains travel data up to a maximum of 19 hours and 59 minutes or 99 hours and 59 minutes, or up to a maximum of 1999.9 km or 9999.9 km. When one of these values is exceeded (varies depending on the version of the instrument panel), the memory is deleted.

### Delete journey data presets

- Select the memory that you wish to erase.
- Keep the OK button on the multi-function steering wheel pressed for approximately 2 seconds.

### Select the instructions

On the instrument cluster, it is selected manually using the ◁ button on the multifunction steering wheel. To access the contents of the tube, rotate the right hand thumbwheel up/down.

- **Current consumption:** The current fuel consumption display operates throughout the journey, in litres/100 km; and with the engine running and the vehicle stopped, in litres/hour.
- **Average consumption:** The average fuel consumption is displayed after driving for approximately 300 metres.
- **Travelling time:** This indicates the hours (h) and minutes (min) since the ignition was switched on.
- **Range:** Approximate distance in km that can still be travelled if the same driving style is maintained.
- **AdBlue range or :** Approximate distance in km that can still be travelled with the current level of the AdBlue® tank with the same driving style. The indication appears from a range of less than 2,400 km and cannot be deactivated.[1)]
- **Distance travelled:** Distance covered in km (m) after switching on the ignition.
- **Average speed:** The average speed will be shown after driving for approximately 100 metres.
- **Boost/Torque:** Indicates the power and torque of the combustion engine (does not indicate electric mode).
- **FAS:** Reduced assistant indication.

### Oil temperature display

The engine reaches its operating temperature when, under normal driving conditions, the oil temperature is between **80°C** (176°F) and **120°C** (248°F). If a great effort is required from the engine and the outside temperature is high, the engine oil temperature may increase. This does not present any problem as long as the warning lamps or ››› **page 348** do not appear on the display.

## Warning and information messages

The system runs a check on certain components and functions when the ignition is switched on and while the vehicle is moving. Faults are displayed on the instrument cluster display as red and yellow warning symbols ››› **page 13** accompanied by messages and, depending on the case, even an audible warning. The representation of the messages and symbols may vary depending on the version of the instrument panel.

Existing faults can also be checked manually. To do this, open the **Vehicle status** ››› **page 34** menu.

### Priority 1 warning (in red)

The symbol lights up or flashes (in part accompanied by audible warnings). **Stop driving!** Danger! Check the fault and eliminate the cause. If necessary, seek professional assistance.

### Priority 2 warning (in yellow)

The symbol lights up or flashes (in part accompanied by audible warnings). Operating faults or the lack of operating fluids can cause damage to the vehicle or a fault. Check the faulty function as soon as possible. If necessary, seek professional assistance.

### Reference to information in the owner's manual

Further information on any warnings can be found in the owner's manual.

### Information message

It provides information about processes in the vehicle.

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1) Not available in all countries.

### Accessing warnings and information

Existing faults can also be checked in the infotainment system:

- Press ⊞ > **Vehicle data > Vehicle status** ››› page 39.

## Time and date

### Setting the time on the infotainment system

- Press ⊞ > **Settings** ››› page 35.
- Select the menu option **Date and time**.

## Service Menu

In the Service menu various settings can be adjusted depending on the features.

### Open the Service menu

- While in **Classic View**, go to the circle on the left and select the odometer, then press the button OK on the multifunction steering wheel for around 5 seconds and then release it.
- Next, the **Configuration list** menu is displayed, where you can choose between the **Service menu** or the **View selection** from where the instrument cluster views can be switched on and off.

### Restart the service interval display

Select the **Service** menu and follow the instructions on the screen of the instrument panel.

### Restart the oil service

Select the **Reset Oil service** menu and follow the instructions on the instrument panel display.

### Identifying letters on engine (LDM)

Select the menu **Engine code**. The identifying letters of the engine will be shown on the instrument cluster display at the bottom left.

### Next Service

This specifies when the next workshop inspection is scheduled.

## Service intervals

The service interval display appears on the instrument cluster screen and in the infotainment system.

There are different versions of instrument panels and infotainment systems, so the versions and instructions on the screens may vary.

SEAT distinguishes between services with engine oil change (e.g. Oil change service) and services without engine oil change (e.g. Inspection).

In vehicles with **Services established by time or mileage**, the service intervals are already pre-defined.

In vehicles with **LongLife Service**, the intervals are determined individually. Thanks to technological progress, maintenance work has been greatly reduced. The oil only needs to be changed when the vehicle requires it. To calculate this variation (max. 2 years), the vehicle's conditions of use and individual driving styles are considered. The advance warning first appears 20 days before the date established for the corresponding service. The kilometres (miles) remaining until the next service are always rounded up to the nearest 100 km (miles) and the time is given in complete days. The current service message cannot be viewed until 500 km after the last service. Prior to this, only lines are visible on the display.

### Inspection reminder

If a service or an inspection has to be carried out soon, a **service reminder** will be displayed when the ignition is switched on.

The figure displayed are the kilometres that can still be travelled or the time until the next service.

### Service due

When **the time for a service** or an **inspection** comes, an audible warning will be emitted when the ignition is switched on and the fixed

key symbol may appear on the instrument panel for a few seconds, along with one of the following messages:

- **Service now!**
- **Please have your vehicle inspected**
- **Oil change service due!**
- **Oil change service and inspection due!**

### Consult a service notification

With the ignition switched on, the engine off and the vehicle at a standstill, the current service notification can be read:

*Check the date of the current service on the infotainment system:*

- Press **Settings**.
- Select the **Data connection** menu option to display information about services.

*Checking the date on the digital instrument panel:*

- The date of the service can only be read through the **Service** ››› page 25 menu.

### Resetting service interval display

If the service was **not** carried out by a SEAT dealership, the display can be reset as follows:

- The service interval display can only be reset through the **Service** ››› page 25 menu.

**Do not** restart the indicator between the service intervals, otherwise the information displayed will be incorrect.

If the oil change service is reset manually, the service interval display changes to a fixed service interval, also in vehicles with **Flexible oil change service**.

**Note**

- **The service message disappears after a few seconds, when the engine is started or when the OK button is pressed on the multifunction steering wheel.**
- **In vehicles with the LongLife system in which the battery has been disconnected for a long period of time, it is not possible to calculate the date of the next service. Therefore the service interval display may not be correct. In this case, bear in mind the maximum service intervals permitted** **››› page 375****.**
- **If you reset the display manually, the next service interval will be indicated as in vehicles with fixed service intervals. For this reason we recommend that the service interval display be reset by an authorised dealer.**

# Drowsiness monitor

## Introduction

**Fig. 6** On the instrument panel display: Drowsiness monitor symbol.

**The drowsiness monitor informs the driver whether his or her driving behaviour is indicative of fatigue.**

The drowsiness monitor determines the driver's driving behaviour and uses this information to assess driver fatigue. If the system detects that the driver is tired, it indicates this visually on the instrument cluster display by means of a control or warning lamp in combination with a supplementary text message. It also issues an audible warning ››› page 28. The text message on the instrument cluster screen is displayed for 4 to 6 seconds.

### Conditions of operation

Driving behaviour is assessed only at speeds above 65 km/h and thereafter only at speeds above 60 km/h.

**⚠ WARNING**

**The drowsiness monitor is no substitute for the driver's attention and only works within the limits of the system. Therefore, the drowsiness monitor may not detect that the driver is tired in all situations and may not give a warning or may give a delayed or unintended warning. There is a risk of accidents and serious or even fatal injuries.**

- **Always pay proper attention and do not rely solely on the system. The driver is responsible for his or her fitness to drive at all times.**
- **Note the limits of the system** **›››** page 27.
- **Never drive a vehicle when you are tired.**
- **During long journeys, take regular and sufficient breaks.**
- **Follow the information on the instrument cluster screen and respond as prompted.** **›››** page 28.

## System limits affecting the drowsiness monitor

The drowsiness monitor has system-related limitations. The following conditions may limit the drowsiness monitor's operation, or prevent it from operating at all:

- Speeds below 60 km/h.
- Speeds over 130 km/h.
- Roads with many curves.
- Roads in poor condition.
- Adverse weather conditions.
- Roadworks.
- Sporty driving style.
- Towing a heavy or very long trailer **›››** page 304.
- The driver is distracted.

**ⓘ Note**

**The drowsiness monitor has been developed for use only when driving on motorways and main roads in good condition.**

### Microsleep

No urgent warning is issued in case of microsleep.

### Restarting the drowsiness monitor

The drowsiness monitor restarts in the following situations:

- If the ignition is switched off.
- The driver's seat belt is unbuckled and the driver's door is open.
- The vehicle has been stopped for more than 30 minutes.

## Driving with the drowsiness monitor

### Switching on and off

Depending on the country, the drowsiness monitor is activated whenever the vehicle's drive system is activated. In this case, the infotainment system displays an overview of the individual systems and automatically activated functions in the input menu.

If desired, you can switch off the drowsiness monitor manually in the infotainment system:

1. Open the **Assistance systems** menu.
2. Switch the drowsiness monitor on or off in the corresponding submenu **›››** page 40..

### Sensitivity adjustment

You can manually adjust the sensitivity of the drowsiness monitor and therefore influence how quickly the system reacts to your driving behaviour.

In the infotainment system:

1. Open the **Assistance systems** menu.
2. Open the **Drowsiness monitor**.
3. Select the sensitivity in the **Sensitivity**sub-menu››› page 40.

### Concealing messages via the multi-function steering wheel

1. Press the **OK** button on the multifunction steering wheel.

## Drowsiness monitor warning levels

If the system detects that the driver is tired, it indicates this visually on the instrument cluster display by means of a control or warning lamp in combination with a supplementary text message and an audible warning. The warning is issued at three levels.

### Drowsiness monitor warning - Level 1

The system has detected that the driver is becoming tired. An audio signal sounds. A white control lamp and a text message are shown on the instrument cluster screen. Consider taking a break.

### Drowsiness monitor warning - Level 2

The system has detected that the driver is becoming increasingly tired. An audio signal sounds. A red warning lamp appears is shown on the instrument cluster screen together with a text message. Consider taking a break soon.

### Drowsiness monitor warning - Level 3

Serious risk identified. An audio signal sounds. A red warning lamp appears is shown on the instrument cluster screen together with a text message. Serious traffic risk. Stop driving as soon as possible and proceed urgently to the nearest place where you can take a break.

### Time-related information

The drowsiness monitor detects that the driver has been driving for 4.5 hours without a break and without any recognised fatigue. A white control lamp and a text message are shown on the instrument cluster screen. Consider taking a break.

## Troubleshooting

### Availability of the drowsiness monitor is restricted.

An audio signal sounds. A yellow control light appears along with a text message on the instrument cluster screen. The availability of the drowsiness monitor is restricted.

- Fault or malfunction. Deactivate and reactivate the vehicle drive system.
- If the problem persists, visit a duly qualified workshop. SEAT recommends that you visit an official dealer.

### The drowsiness monitor is not available

An audio signal sounds. A yellow control lamp appears in combination with the yellow centre lamp. A text message is also shown on the instrument cluster screen and in the **vehicle status** menu.

- Fault or malfunction. Deactivate and reactivate the vehicle drive system. Check the drowsiness monitor settings in the infotainment system ››› page 40.
- The system limits have been exceeded.
- If the problem persists, visit a duly qualified workshop. SEAT recommends that you visit an official dealer.

# Driver attention monitor.

## Introduction

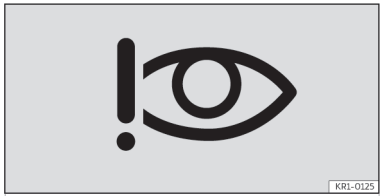


**Fig. 7** On the instrument cluster screen: Driver attention monitor symbol.

**The driver attention monitor informs the driver whether his or her driving behaviour is indicative of a lack of attention based on the vehicle's operating inputs.**

The driver attention monitor assesses the vehicle's operating inputs to determine whether the driver is distracted. If the system detects that the driver is distracted, it indicates this on the screen of the instrument cluster by a control or warning lamp in combination with a supplementary text message. Depending on the configuration, it also emits an audible warning ››› page 30. The text message on the instrument cluster screen is displayed for 4 to 6 seconds.

### Operating conditions

Driving behaviour is only assessed when the speed is higher than 10 km/h.

**⚠ WARNING**

**The driver attention monitor cannot be a substitute for the driver's attention and only works within the limits of the system. Therefore, the driver attention monitor may not be able to detect whether the driver is paying attention in all situations and may not react or may react with a delay or in an unwanted manner. There is a risk of accidents and serious or even fatal injuries.**

- **Always pay proper attention and do not rely solely on the system. The driver is responsible for his or her fitness to drive at all times.**
- **Note the limits of the system** **››› page 29**.
- **Avoid being distracted while driving.**
- **Adjust the vehicle's personal settings before starting the journey.**
- **Follow the information on the instrument cluster screen and respond as prompted.** **››› page 30**.

**Note**

**In the event of a fault, have the system checked by a qualified workshop. SEAT recommends that you visit an official dealer.**

## System limits affecting the driver attention monitor

The driver attention monitor has system related limitations. The following conditions may limit the operation of the driver attention monitor or prevent it from operating at all:

- Speeds below 10 km/h.
- Severe driver distraction due to external influences such as traffic.
- Severe driver distraction due to actions not related to the vehicle (for example, using a mobile device).

## Driving with the driver attention monitor

### Switching on and off

You can switch the driver attention monitor on and off manually.

In the infotainment system:

1. Open the **Assistance systems** menu.
2. Switch the driver attention monitor on or off in the corresponding submenu **››› page 40**.

**Note**

**If the function was manually switched off during the last journey, this setting will stay the same when the vehicle is started again.**

### Activating and deactivating the audible warning

1. Open the **Assistance systems** menu.
2. Open the **Attention Monitor**.
3. Activate or deactivate the audible warning under the corresponding option ››› page 40.

### Sensitivity adjustment

You can manually adjust the sensitivity of the driver attention monitor and thereby influence how quickly the system reacts to your driving behaviour.

In the infotainment system:

1. Open the **Assistance systems** menu.
2. Open the **Attention Monitor**.
3. Select the sensitivity in the **Sensitivity**submenu››› page 40.

### Concealing messages via the multi-function steering wheel

1. Press the **OK** button on the multifunction steering wheel.

## Driver attention monitor warning levels

If the system detects that the driver is distracted, it indicates this on the screen of the instrument cluster by a control or warning lamp in combination with a supplementary text message. Depending on the configuration, it also emits an audible warning. The warning is issued at three levels.

### Driver attention monitor warning - Stage 1.

Distraction detected.
Depending on the configuration, an audible warning may be issued. A white control lamp and a text message are shown on the instrument cluster screen. Stop making operating inputs and pay attention to the traffic.

### Driver attention monitor warning - Stage 2.

Risk detected.
Depending on the configuration, an audible warning may be issued. A red warning lamp appears is shown on the instrument cluster screen together with a text message. Stop making operating inputs and pay attention to the traffic.

### Driver attention monitor warning - Stage 3.

Serious risk identified.
An audio signal sounds. A red warning lamp appears is shown on the instrument cluster screen together with a text message. Serious traffic risk. Stop making operating inputs immediately and pay attention to the traffic.

## Troubleshooting

### The availability of the driver attention monitor is restricted.

An audible warning is issued. A yellow control light appears along with a text message on the instrument cluster screen. The availability of the driver attention monitor is restricted.

- Fault or malfunction. Deactivate and reactivate the vehicle drive system.
- If the problem persists, visit a duly qualified workshop. SEAT recommends that you visit an official dealer.

### The driver attention monitor is not available

An audible warning is issued. The yellow warning lamp lights up in the instrument cluster in combination with the central yellow lamp. A text message is also shown on the instrument cluster screen and in the **vehicle status** menu.

- Check the causes and corrective measures described in the information in the driver attentiveness monitor ››› page 40.
- Fault or malfunction. Deactivate and reactivate the vehicle drive system. Check the settings of the driver attention monitor in the infotainment system ››› page 40.
- The system limits have been exceeded.

- If the problem persists, visit a duly qualified workshop. SEAT recommends that you visit an official dealer.

# Road signs detection system

## Introduction[1)]

Within its limitations, the system also displays a additional sign to indicate aspects such as temporary prohibitions. Even on routes without signs, the system can, if necessary, display the applicable speed limits.

The dynamic road sign display system is activated whenever the ignition is switched on.

Traffic sign recognition does not work in all countries. Keep this in mind when travelling abroad.

### Shown on the display

In Germany, on motorways and normal roads for vehicles, besides speed limits and overtaking provisions the system also displays end of restriction signs. In all other countries the currently valid speed limit is displayed instead.

The road signs detected by the system are displayed on the instrument cluster display and, depending on the navigation system fitted in the vehicle, in the infotainment system as well .

1) Not available on all markets.

**Road sign detection system messages:**

**There are no road signs available**

- The system is in its start-up phase.
- **OR:** the camera has not recognized any mandatory or prohibitive signs.

**Error: Dynamic road sign display**

- There is a fault in the system. Have the system checked by a specialised workshop.

**Speed warning is currently unavailable**

- The speed warning function of the road sign detection system is faulty. Have the system checked by a specialised workshop.

**Dynamic road sign display: Clean the windscreen!**

- The windscreen is dirty in the camera area or the camera's visibility is impaired by weather conditions. Clean the windscreen.

**Dynamic road sign display: Currently restricted**

- The navigation system is not transmitting data. Check if the navigation system has updated maps.
- **OR**: the vehicle is in a region not included on the navigation system's map.

**No data available**

- The traffic sign recognition system does not work in the country you are currently driving in.

### Display of traffic signs

After checking and evaluating the information from the camera, the infotainment system and actual vehicle data, the system displays up to two current road signs, and a generic additional sign:

- **First**: The sign that is currently valid for the driver is displayed on the left hand side of the screen, e.g. a prohibition of driving at over 130 km/h (80 mph).
- **Second**: Another traffic sign, such as a warning sign, can be displayed in second place.
- **Additional sign:** If the windscreen wiper is operating while driving, the signal with the rain sub-plate shall be displayed first on the left-hand side as it is the main signal at that time. A sign valid only with restrictions, e.g. no overtaking at certain times, may be displayed.

The warning sign display is not available in all countries and the system may not be able to detect all existing warning signs.

### No entry sign

The traffic sign recognition system gives a warning on the instrument cluster when a no entry sign is passed on a one-way road or an entrance to a motorway or highway.

**⚠ WARNING**

**The technology in the traffic sign detection system cannot change the limits imposed by the laws of physics and only works within the system's limits. The increased convenience provided by the dynamic road sign display system should not lead you to take any risks. The system is not a replacement for driver awareness.**

- **Adapt your speed and driving style to suit visibility, weather, road and traffic conditions.**
- **Poor visibility, darkness, snow, rain and fog may result in the system not displaying road signs, or not displaying them correctly.**
- **If the camera's field of view is dirty, covered or damaged, the operation of the system may be affected.**

**⚠ WARNING**

**The driving recommendations and traffic indications shown on the traffic sign detection system may differ from the actual current traffic situation.**

- **The system cannot recognise or display all road signs correctly.**
- **Traffic signs and traffic regulations have priority over the recommendations and displays provided by the system.**

## Limited operation

The traffic sign detection system has certain limitations. The following cases may lead the system to operate with limitations or not at all:

- In the case of poor visibility, e.g. in snow, rain, fog or intense mist.
- In cases of dazzling, e.g. caused by head-on traffic or by the sun.
- When driving at high speeds.
- If the camera is covered or dirty.
- If the traffic signs are partially or totally obstructed, e.g. by trees, snow, dirt or other vehicles.
- In the case of traffic signs that do not fulfil the regulations.
- In the case of damaged or bent traffic signs.
- In the case of variable messages on overhead or gantry signs (LED-based variable traffic signs or other lighting units).
- If the maps on the navigation system are not up-to-date.
- In the case of adhesives affixed to vehicles that depict traffic signs, e.g. speed limits on lorries.

## Driving with the speed warning function

### Operating conditions

The speed warning function gives warnings at speeds above 20 km/h.

### Connection and disconnection

Depending on the country, the speed warning function is always activated when the ignition is switched on. In this case, the infotainment system displays an overview of the individual systems and automatically activated functions in the input menu.

If desired, you can deactivate the speed warning manually in the infotainment system:

1. Open the **Assistance systems** menu.
2. Switch the speed warning on or off in the corresponding submenu.

**OR:** from the multifunction steering wheel:

1. Open the assistants menu by pressing button ( ).
2. Select and switch off the **Speed warning**.

### Activating and deactivating the audible warning

In the infotainment system:

1. Open the **Assistance systems** menu.
2. Open the **Speed Warning**.
3. Activate or deactivate the audible warning under the corresponding option ››› page 40.

> **Note**
>
> **The audible warning is activated whenever the ignition is switched on.**

### Adjusting the warning thresholds

You can manually adjust the warning thresholds of the speed warning function.

In the infotainment system:

1. Open the **Assistance systems** menu.
2. Open the **Speed Warning**.
3. To select the level of the warning thresholds, tap ∨ in the **Overtaking warning** ››› page 40 menu option.

> **Note**
>
> **When the vehicle's ignition is switched on, the warning thresholds for the speed warning are always reset to the default value.**

### Activation and deactivation of the speed change warning tone

The speed change warning tone provides the driver with audible information about a change in the speed limits. If desired, you can manually switch off the change tone.

In the infotainment system:

1. Open the **Assistance systems** menu.
2. Open the **Speed Warning**.
3. Activate or deactivate the change tone under the corresponding option ››› page 40.

### Concealing fault messages via the multifunction steering wheel

1. Press the **OK** button on the multifunction steering wheel.

### Trailer mode

For vehicles with a factory-installed towbar and a trailer with electrical connection to the vehicle, the recognition of traffic signs that may apply to the vehicle when towing a trailer, for example applicable speed limits and no overtaking signs, can be activated or deactivated in the vehicle settings menu in the infotainment system.

In trailer mode, the recognition of valid speed limits can be adjusted to suit the type of trailer and country-specific legal requirements.

In the infotainment system:

1. Open the **Assistance systems** menu.
2. Open **Trailer detection**.
3. To adapt the warning threshold to the trailer mode, tap on ∨ in the **Overtaking warning** menu option.

## Speed warning function warning levels

If the system detects that the maximum permitted speed has been exceeded, it will indicate this visually on the instrument cluster screen by flashing the speed limit detected by the system and, depending on the configuration, will also issue an audible warning. A warning is issued at two levels.

**Fig. 8** On the instrument cluster screen: violation of the detected speed limit (illustration).

### Speed warning - Level 1

Speed limit violation detected. The speed limit detected by the system flashes continuously on the instrument cluster and, depending on the equipment, on the front display ››› Fig. 8.

### Speed warning - Level 2

Progressive violation of the speed limit has been detected.

An audio signal sounds. The speed limit detected by the system flashes continuously on the instrument cluster and, depending on the equipment, on the front display ››› Fig. 8.

**Note**

- **The second warning level is activated if the speed remains above the limit.**
- **The second warning level is cancelled again when the driver actively reduces the speed.**

## Troubleshooting

### Advanced road sign recognition is not available

An audio signal sounds. A yellow control lamp appears on the instrument cluster screen in combination with the central yellow lamp. A text message is also shown on the instrument cluster screen and in the **vehicle status** menu.

- The windscreen is dirty in the area of the camera or the camera view is impaired by weather conditions. Clean the windscreen ››› page 378.
- The camera's view is impaired by added parts or stickers. Keep the area around the camera clear ››› page 190.
- The camera has been moved or damaged, for example due to damage to the windscreen. Check whether the damage can be seen.
- If the problem persists, visit a duly qualified workshop. SEAT recommends that you visit an official dealer.

### OFF The speed warning system is partially deactivated

A white control lamp is shown on the instrument cluster screen. The default configuration of the speed warning has been changed:

- Check whether the speed warning is switched off ››› page 32.
- Check if the audible warning is activated ››› page 32.
- Check if the default warning threshold has been changed ››› page 32.

# Instrument cluster operation

## Introduction

With the ignition switched on, it is possible to read the different functions of the display by scrolling through the menus.

In vehicles with multifunction steering wheel, the multifunction display can only be operated with the steering wheel buttons.

Some menu options can only be read when the vehicle is at a standstill.

### Instrument panel menus

The number of menus and information items available will depend on the vehicle's electronics and features.

- Vehicle status ››› page 24.
- Driving data ››› page 23.
- Assist systems.
  - Front Assist On/Off ››› page 207
  - ACC (only display) ››› page 200
  - Lane Assist On/Off ››› page 210
  - Travel Assist ››› page 213
  - Side Assist On/Off ››› page 218
  - Speed warning On/Off ››› page 32
- Navigation.

- Audio.
- Telephone.

**⚠ WARNING**

**Distracting the driver in any way can lead to an accident and cause injuries.**

- **Never use the menus on the instrument panel display while the vehicle is in motion.**

**ⓘ NOTICE**

**After charging or changing the 12-volt battery, check the system settings. If the power supply is interrupted, the system settings might be incorrect or deleted.**

## Operation using the multifunction steering wheel

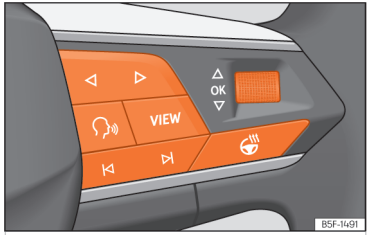


**Fig. 9** Right side of multifunction steering wheel: buttons to the menus and informative indications on the instrument panel (depending on the version).

As long as a priority 1 ››› page 24 warning is active, it will not be possible to access any menu. Some warnings can be confirmed and hidden with the OK button of the multifunction steering wheel ››› Fig. 9.

### Select a menu or an informative display

- Switch the ignition on.
- If a message or vehicle symbol is displayed, press the OK button ››› Fig. 9; several times if necessary.
- To change menus, use ◁ or ▷ buttons.
- To open the menu or the information displayed, press the OK button or wait a few seconds until the menu or the informative display opens automatically.

### Changing menu settings

- In the menu displayed, turn the right thumbwheel of the multifunction steering wheel until the desired option of the menu is highlighted. The option appears framed.
- Press the OK button to make the required modifications. A mark indicates that the system or function is activated.

### Back to menu selection

- Press the ◁ or ▷ button.

# Infotainment system operation and displays

## Introduction

The infotainment system brings together important vehicle functions and systems into a single central control unit, e.g. air conditioning, menu settings, radio equipment and the navigation system.

The actual number of menus available and the name of the various options will depend on the vehicle's electronics and equipment.

### General operating information

General information on the operation of the infotainment system, as well as on the warning and safety instructions that must be taken into account, is found in ››› page 261.

### How to move through the different menus and select them

- Switch the ignition on.
- If the infotainment system is off, switch it on.
- The different menus are selected directly on the touch screen using texts, icons or buttons.

If the box is checked ✓, the function is activated.

Pressing the menu button ❮ will always take you to the last menu used.

Any changes made using the settings menus are automatically saved on closing those menus

**Scroll bar**: Some menus and functions show more content above or below those displayed on the screen at that time, for example, long lists of settings. Press on the scroll bar and pull up or down.

### Tutorial

The first time you connect the Infotainment system, a system tutorial will open with a brief description of the main functions and how to use it.

### Help

In the **Help** menu can be found more information and tips for using the infotainment system.

**⚠ WARNING**

**Any distraction may lead to an accident, with the risk of injury. Operating the Infotainment system while driving could distract you from traffic.**

**Note**

**After starting the engine with a 12-volt battery that is heavily discharged or recently replaced, some system settings such as time, date, personalised comfort settings, programming and user accounts might be altered or deleted. Check and correct these settings when the battery is sufficiently charged.**

## Explanation of the function buttons

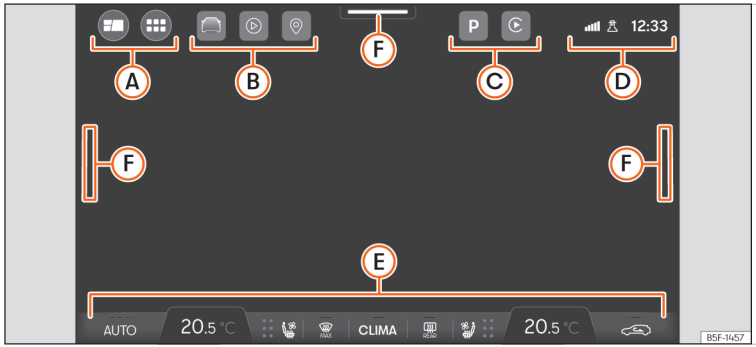


**Fig. 10** Schematic representation: Overview of the possible function buttons on the screen.

### Top part of the screen

Ⓐ Main menu display mode:
: main menu with widget views.
: main menu in tile mode (all functions of the Infotainment system).

Ⓑ Shortcuts to infotainment system functions with the option of adding or removing functions, with the exception of the **Vehicle** menu.

Ⓒ Active functions.

Ⓓ **Status bar**. Information bar showing the system status, such as: time, phone coverage, phone charge level, Qi charger status, user privacy mode, incoming calls and access to the call control unit.

### Bottom part of the screen

Ⓔ **Climabar** ››› page 145.

### Segments

Ⓕ *Horizontal* at the top of the screen: scroll down to view system updates or change the brightness of the display.
*Vertical* to the left or right of the screen: change the display of the active function. For example, under **Navigation** switch from Map to Information on route guidance; or under **Assisted parking** switch from Rear camera display to Manoeuvring status.

## Initial configuration wizard

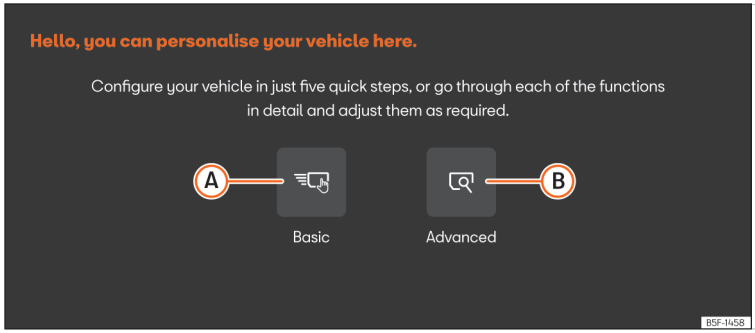


**Fig. 11** Schematic representation: Initial configuration wizard.

The initial configuration wizard will help you to set up your Infotainment system the first time you switch it on.

Whenever you switch on the infotainment system, the initial setup screen will be displayed ››› Fig. 11 if any parameters have not been set (marked with "✓") or if the **Don't show again** function button has not been pressed.

Configuration options:

(A) Tap it to access the basic configuration menu of the infotainment system such as navigation to home, mobile connection, radio stations, etc.

(B) Tap to access the infotainment system's advanced configuration menu.

**Don't show again** Disables the possibility of changing the settings of the Infotainment system. If you wish to perform the initial settings, you will need to access via **Settings**.

**End** Once one or more settings have been applied, press to finalise the setup in the main menu of the wizard.

## Vehicle information

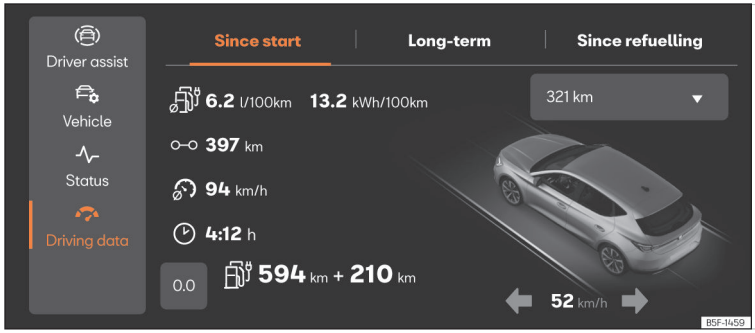


**Fig. 12** Schematic representation: Vehicle information and status.

Pressing **Vehicle info** in the main menu opens the **Vehicle info** menu with the following submenus:

- **Driving data:** The average consumption, average speed, distance travelled, trip duration and autonomy are shown. It has 3 memories: "Since start", "Long-term" and "Since refuelling".
- **Vehicle status:** The warnings regarding faults, incidents, memorisation of the tyre pressure or information of the next inspection service are displayed.

## Assistance systems and vehicle settings

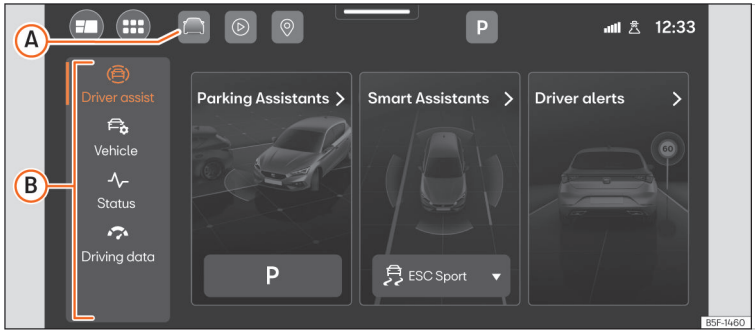


**Fig. 13** Schematic representation: Assistants and vehicle settings

Press ››› **Fig. 13** (A), or **Vehicle settings** in the main menu to open the assistants and vehicle settings menu. Next, clicking on any of the menus located in the left area (B), displays the settings menu or the selected assist systems on the display.

The number of assistance systems and settings depend on the version and the country in question.

### Assistants

- **Parking**
  - Automatic parking brake activation ››› page 223.
  - Park assist ››› page 228.
  - Rear Cross Traffic Alert ››› page 240.
- **Smart Assistants**
  - Activate/deactivate ESC, stabilisation systems and brake assist ››› page 186.
  - Switch the Start-Stop system on/off ››› page 173
  - Speed limiter ››› page 196
  - Adaptive cruise control (ACC) ››› page 200.
  - Lane Assist ››› page 210.
  - Emergency braking assistance system Front Assist ››› page 207.
  - Driving assistant (Travel Assist) ››› page 213
  - Hill descent control (HDC).
  - Predictive speed adjustment ››› page 205.
  - Auto Hold ››› page 225.
- **Driver alerts**
  - Fatigue detection ››› page 26.
  - Dynamic road sign display ››› page 31.
  - Side Assist ››› page 218.
  - Eco Assist ››› page 199.

## Vehicle

- Instrument cluster ››› page 22.
- Lighting ››› page 134.
- Mirrors ››› page 138.
- Closing ››› page 95.
- Lights ››› page 128.
- Windows ››› page 138.
- Tyres ››› page 370.
- Windscreen wipers ››› page 136
- Electric drive (PHEV hybrid vehicles) .
››› page 168
- Seats ››› page 121

## Departure menu

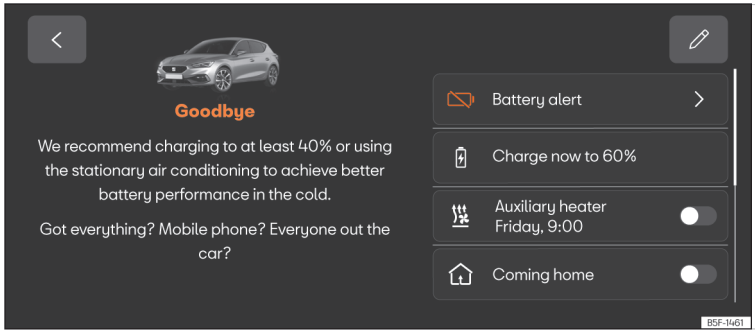


**Fig. 14** Schematic representation: departure menu.

In the departure menu you can set some functions before leaving the vehicle. When you switch off the ignition, the departure menu is displayed on the infotainment system.

The inputs that are displayed depend on the equipment and, if applicable, are only available under certain conditions. Examples of adjustable functions are:

- Charging the high-voltage battery
- Stationary air conditioning or heating
- Interior monitoring
- Save parking process

### Hide

When you leave the vehicle, the departure menu is hidden automatically. Depending on the equipment, it is also hidden after a certain amount of time.

- Press < to manually hide the departure menu.

### Adjust

You can adjust the order of the displayed inputs.

- Press ✎.
- Sort the inputs according to your preferences.
- Press ✎ again.

# Safety

## Safe driving

### Safety first!

**⚠ WARNING**

- **This manual contains important information about the operation of the vehicle, both for the driver and the passengers. The other sections of the on-board documentation also contain further information that you should be aware of for your own safety and for the safety of your passengers.**
- **Ensure that the on-board documentation is kept in the vehicle at all times. This is especially important when lending or selling the vehicle to another person.**

### Before driving

For your own safety and the safety of your passengers, always note the following points before every trip:

- Make sure that the vehicle's lights and turn signals are working properly.
- Check tyre pressure.
- Ensure that all windows provide a clear and good view of the surroundings.
- Make sure all luggage is secured ››› page 292.
- Make sure that no objects can interfere with the pedals.
- Adjust front seat, head restraint and mirrors properly according to your size.
- Ensure that the passengers in the rear seats always have the head restraints in the in-use position ››› page 123.
- Instruct passengers to adjust the head restraints according to their height.
- Protect children with appropriate child seats and properly applied seat belts ››› page 61.
- Assume the correct sitting position. Instruct your passengers also to assume a proper sitting position ››› page 44.
- Fasten your seat belt securely. Instruct your passengers also to fasten their seat belts properly ››› page 46.

### Factors influencing safety

As a driver, you are responsible for yourself and your passengers.

- Always pay attention to traffic and do not get distracted by passengers or telephone calls.
- Never drive when your driving ability is impaired (e.g. by medication, alcohol, drugs).
- Observe traffic laws and speed limits.
- Always reduce your speed as appropriate for road, traffic and weather conditions.
- When travelling long distances, take breaks regularly - at least every two hours.
- If possible, avoid driving when you are tired or stressed.

**⚠ WARNING**

**Driving under the influence of alcohol, drugs, medication or narcotics may result in severe accidents and even loss of life.**

- **Alcohol, drugs, medication and narcotics may significantly alter perception, affect reaction times and safety while driving, which could result in the loss of control of the vehicle.**

### Safety equipment

Never put your safety or the safety of your passengers in danger. In the event of an accident, the safety equipment may reduce the risk of injury. The following points cover part of the safety equipment in your SEAT[1]:

- Optimised seat belts for all seats.
- Seat belt tensioners on the driver, front passenger and rear side seats.
- Seat belt force limiters on the driver, front passenger and rear side seats.

[1] Depending on the version/market.

- Red warning lamp and, if applicable, seat belt status indication.
- Front airbags for driver and passenger.
- Side airbags for driver and passenger.
- Side airbags for the rear seats.
- Head airbags on both sides of the vehicle.
- Central airbag between the driver and front passenger.
- Knee airbag.
- Yellow airbag control lamp .
- Yellow warning lamp PASSENGER AIR BAG OFF on the roof console.
- Yellow warning lamp PASSENGER AIR BAG ON on the roof console.
- Control units and sensors.
- Optimised and height-adjustable headrests.
- Adjustable steering column.
- ISOFIX/i-Size anchor points for child seats.
- Child seat top tether attachment points.

The safety equipment mentioned above works together to provide you and your passengers with the best possible protection in the event of an accident. However, these safety systems can only be effective if you and your passengers are sitting in a correct position and use this equipment properly.

**Safety is everybody's business.**

# Correct sitting position of vehicle occupants

## Correct position on the seat

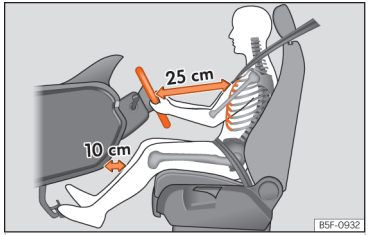


**Fig. 15** The correct distance between the driver and the steering wheel must be at least 25 cm (10 inches).

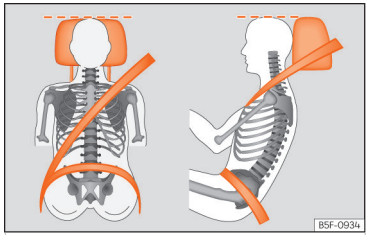


**Fig. 16** Correct belt web and headrest positions

The correct sitting positions for the driver and passengers are shown below.

If your physical constitution prevents you from maintaining the correct sitting position, contact a specialised workshop for help with any special devices. The seat belt and airbag can only provide optimum protection if a correct sitting position is adopted. SEAT recommends taking your car in for technical service.

For your own safety and to reduce the risk of injury in the event of an accident or sudden braking or manoeuvre, SEAT recommend the following positions:

**Valid for all vehicle occupants:**

- Adjust the headrest so that its upper edge is at the same level as the top of your head, or as close as possible to the same level as the top of

your head and under no circumstances below eye level. Keep the back of your neck as close as possible to the headrest ››› Fig. 16.

- Short people must fully lower the headrest completely, even if your head is below its upper edge.
- Tall people must fully raise the headrest.
- Always keep your feet in the footwell while the vehicle is in motion.
- Adjust and fasten your seat belt correctly ››› page 46.

**The following also applies to the driver:**

- Move the seat backrest to an almost upright position so that your back rests completely against it.
- Adjust the steering wheel so that it is at a distance of at least 25 cm (10 inches) from the sternum ››› Fig. 15 and can hold it with both hands on the sides, on the outside, with the arms slightly flexed.
- The steering wheel must always point towards the chest and never towards the face.
- Adjust the seat lengthwise so that you can fully step on the pedals with your knees slightly bent and there is a distance between the knee area and the instrument panel of at least 10 cm (4 inches) ››› Fig. 16.
- Adjust the height of the seat so that you can reach the top of the steering wheel.
- Always keep both feet in the footwell so that you have the vehicle under control at all times.

**For the passenger, the following applies:**

- Move the seat backrest to an almost upright position so that your back rests completely against it.
- Move the seat as far back as possible (minimum 25 cm between the chest and the instrument panel check translation). If you are sitting closer than 25 cm, the airbag system cannot protect you properly.

## Number of seats

The vehicle has **5** seats, 2 in the front and 3 in the rear. All seats are equipped with a safety belt.

Check the official documentation for the number of occupants approved for your vehicle.

**⚠ WARNING**

**Sitting in an incorrect position may increase the risk of severe or lethal injuries in the event of sudden braking or manoeuvring, in case of collision or accident and if the airbags deploy.**

- **Before starting the car, all passengers must be sitting in a correct position and stay like that for the entire journey. This also applies to a correct use of the seat belt.**
- **The maximum amount of people in the vehicle is the same as the amount of seats with seat belts.**
- **For children, always use a protection system that is approved and suited for their weight and height ››› page 61.**
- **While driving, always keep your feet in the footwell. Never place them over the seat or the dash panel, for example, or outside the window. Otherwise the airbag and seat belt may offer insufficient protection and also increase the risk of injury in the event of an accident.**

## Risks of sitting in an incorrect position

If seat belts are worn incorrectly or not at all, the risk of severe or lethal injuries increases. Seat belts can provide optimal protection only if the belt web is properly worn. Incorrect sitting positions substantially reduce the protective function of seat belts and, therefore, increase

the risk of severe or even lethal injuries. The risk of severe or fatal injuries is especially heightened when a deploying airbag strikes a vehicle occupant who has assumed an incorrect sitting position. The driver is responsible for all people, particularly children, inside the vehicle.

The following list contains examples of incorrect sitting positions that could be dangerous for all vehicle occupants.

**When the vehicle is in motion:**

- Never stand in the vehicle.
- Never stand on the seats.
- Never kneel on the seats.
- Never tilt your seat backrest too far to the rear.
- Never lean against the instrument panel.
- Never lie on the rear seats.
- Never sit on the front edge of a seat.
- Never sit sideways.
- Never lean out of a window.
- Never put your feet out of a window.
- Never put your feet on the instrument panel.
- Never place your feet on the bench or on the backrest of the seat.
- Never travel in a footwell.
- Never sit on the armrests.
- Never travel without wearing the seat belt.
- Never travel in the luggage compartment.

**⚠ WARNING**

**Sitting in an incorrect position increases the risk of severe or fatal injuries in the event of accidents and sudden braking or manoeuvres.**

- **All occupants must sit correctly during the journey and wear the seat belt correctly.**
- **Occupants of the vehicle that are not sitting correctly, not wearing the seat belt or are not at a proper distance of the airbag risk suffering very serious or lethal injuries, especially if the airbags deploy and strike them.**

# Seat belts

## Introduction

**Fig. 17** Drivers with properly worn seat belts will not be thrown forward in the event of sudden braking.

Properly worn seat belts hold the occupants in the proper position. They also help prevent uncontrolled movements that may result in serious injury and reduce the risk of being thrown out of the vehicle in case of an accident.

Vehicle occupants wearing their seat belts correctly benefit greatly from the ability of the belts to absorb kinetic energy. In addition, the front part of your vehicle and other passive safety features (such as the airbag system) are designed to absorb the kinetic energy released in a collision. Taken together, all these features reduce the releasing kinetic energy and consequently, the risk of injury. This is why it is so important to fasten seat belts before every trip, even when "just driving around the corner".

Ensure that your passengers wear their seat belts as well. Accident statistics have shown that wearing seat belts is an effective means of substantially reducing the risk of injury and improving the chances of survival when involved in a serious accident. Furthermore, properly worn seat belts improve the protection provided by airbags in the event of an accident. For this reason, wearing a seat belt is required by law in most countries.

Although your vehicle is equipped with airbags, the seat belts must be fastened and worn. The front airbags, for example, are only triggered in some cases of head-on collision. The front airbags will not be triggered during minor frontal or side collisions, rear-end collisions, overturns or accidents in which the airbag trigger threshold value in the control unit is not exceeded.

**Important safety instructions for the use of seat belts**

- Always wear the seat belt as described in this section.
- Ensure that the seat belts can be fastened at all times and are not damaged.

**⚠ WARNING**

- **If seat belts are worn incorrectly or not at all, the risk of severe injuries increases. The optimal protection from seat belts can be achieved only if you use them properly.**
- **Never allow two passengers (even children) to share the same seat belt.**
- **Never unbuckle a seat belt while the vehicle is in motion. Risk of fatal injury.**
- **The seat belt should never lie on hard or fragile objects (such as glasses or pens, etc.) because this can cause injuries.**
- **Do not allow the seat belt to be damaged or jammed, or to rub on any sharp edges.**
- **Never wear the seat belt under the arm or in any other incorrect position.**
- **Bulky and unfastened clothing (such as an overcoat over a sweater) impairs the proper fit and function of the seat belts, reducing their capacity to protect.**
- **The slot in the seat belt buckle must not be blocked with paper or other objects, as this can prevent the latch plate from engaging securely.**
- **Never use seat belt clips, fastening rings or similar items to alter the position of the belt webbing.**
- **Frayed or torn seat belts or damage to the connections, belt retractors or parts of the buckle could cause severe injuries in the event of an accident. Therefore, you must check the condition of all seat belts at regular intervals.**
- **Seat belts which have been worn in an accident and have been stretched must be replaced by a specialised workshop. Renewal may be necessary even if there is no apparent damage. The belt anchorage should also be checked.**
- **Do not attempt to repair a damaged seat belt yourself. The seat belts must not be removed or modified in any way.**
- **The belts must be kept clean, otherwise the retractors may not work properly.**

## Seat belt buckled indication

**Lights up red**
The driver or one of the passengers have not fastened their seat belts.

The control lamp lights up to remind the driver to fasten their seat belt.

Before starting the vehicle:

- Fasten your seat belt securely.
- Instruct your passengers to fasten their seat belts properly before driving off.
- Protect children by using a child seat according to the child's height and weight ››› page 61.

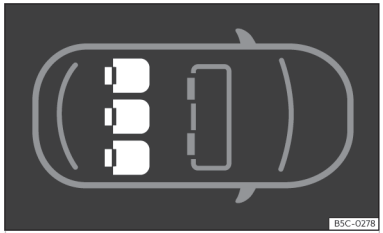


**Fig. 18** Instrument cluster: indication of the status of the rear seat seat belts.

When the ignition is switched on, the status display of the belts ››› Fig. 18 informs the driver on the instrument panel display whether the occupants of the rear seats have their seat belts fastened.

Depending on seat occupancy and the status of the seat belts, the vehicle's seats will light up in different colours:

- A white light indicates that the corresponding seat is not occupied.

- A green light indicates that the seat's occupant is wearing the seat belt.
- A red light indicates that the seat is occupied and the occupant is not wearing the seat belt.

If a speed of 25 km/h (15 mph) is exceeded after moving off without the driver or a front passenger seatbelt being fastened, or if the seatbelt is unfastened while driving, an audible signal will sound for 126 seconds. In addition, the warning lamp on the instrument cluster display flashes.

The lamp goes out when the ignition is on and all occupants have fastened their seat belts.

## Head-on collisions and the laws of physics

**Fig. 19** A driver not wearing a seat belt may be thrown forward violently.

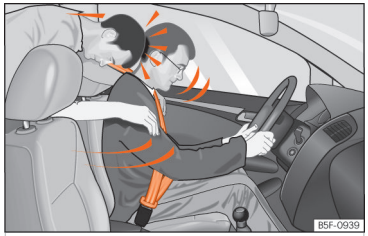


**Fig. 20** Any rear seat occupants not wearing a seat belt may be thrown forward violently, hitting the driver who is wearing the seat belt.

The effects of the laws of physics in the case of a head-on collision are easy to explain: the moment a vehicle starts moving, a type of energy called "kinetic energy" starts acting on both the vehicle and its passengers.

The amount of "kinetic energy" depends on the speed of the vehicle and on the weight of the vehicle and of its passengers. The higher they are, the more energy there is to be "absorbed" in the event of an accident.

The most significant factor, however, is the speed of the vehicle. If the speed doubles from 25 km/h (15 mph) to 50 km/h (30 mph), for example, the corresponding kinetic energy is multiplied by four.

Given that the passengers of the vehicle in our example do not have their seat belts fastened, in the event of a collision the entire amount of the passengers' kinetic energy will be only absorbed by the mentioned impact.

Even at speeds of 30 km/h (19 mph) to 50 km/h (30 mph), the forces acting on bodies in a collision can easily exceed one tonne (1000 kg). At greater speed these forces are even higher.

Vehicle occupants not wearing seat belts are not "attached" to the vehicle. In a head-on collision, they will move forward at the same speed their vehicle was travelling just before the impact. This example applies not only to head-on collisions, but to all accidents and collisions.

Even at low speeds the forces acting on the body in a collision are so great that it is not possible to brace oneself with one's hands. In the event of a head-on collision, vehicle occupants not wearing a seat belt will be thrown uncontrollably forward and will collide, for example, against the steering wheel, instrument panel or windscreen ››› Fig. 19.

It is also important for rear passengers to wear seat belts properly, as they could otherwise be thrown forward violently through the vehicle interior in an accident. If a rear seat occupant is not wearing a seat belt, they are not only endangering themselves but also the occupants of the front seats ››› Fig. 20.

## Fastening and unfastening the seat belt

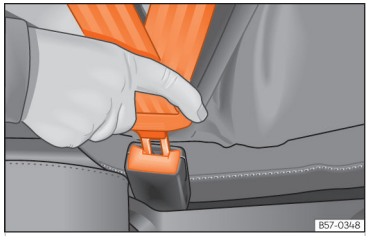


**Fig. 21** Insert the latch plate of the seat belt into the buckle.

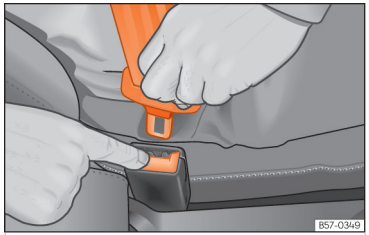


**Fig. 22** Release the seat belt's latch plate.

Properly worn seat belts hold the vehicle occupants in the position that most protects them in the event of an accident or sudden braking ››› ⚠.

### Fastening the seat belt

Fasten your seat belt before each trip.

- Adjust the front seat and head restraint correctly ››› page 44.
- Engage the seat backrest of the rear seat in an upright position ››› ⚠.
- Pull the latch plate and place the belt webbing evenly across your chest and lap. Do **not** twist the seat belt when doing so ››› ⚠.
- Insert the buckle plate in the buckle of the correct seat ››› Fig. 21.
- Pull the belt to ensure that the latch plate is securely engaged in the buckle.

### Releasing the seat belt

Only unfasten the seat belt when the vehicle has come to a standstill ››› ⚠.

- Press the red button on the buckle ››› Fig. 22. The latch plate is released from the buckle.
- Guide the belt back by hand so that it rolls up easily and the trim will not be damaged.

**⚠ WARNING**

- **The seat belt cannot offer its full protection unless the seat backrest is in an upright position and the seat belt is worn correctly, according to your size.**
- **Unbuckling your seat belt while the vehicle is in motion can cause severe or fatal injuries in the event of an accident or sudden braking.**
- **The seat belt itself, or a loose seat belt, can cause severe injuries if the belt moves from hard areas of the body to soft areas (e.g. the stomach).**

## Correct position of the seat belt

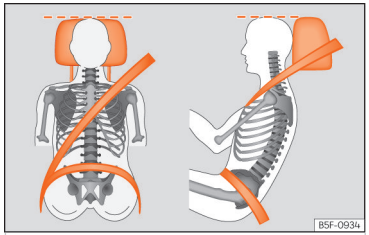


**Fig. 23** Correct seat belt and headrest positions, viewed from front and the side.

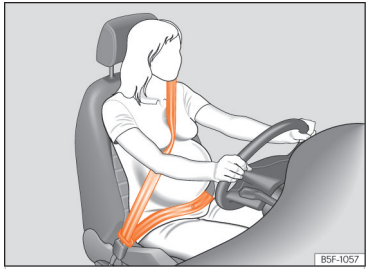


**Fig. 24** Position of seat belt during pregnancy.

Seat belts offer their maximum protection in the event of an accident and reduce the risk of sustaining severe or fatal injuries only when they are properly positioned. Furthermore, if the webbing is correctly positioned, the seat belt will hold the vehicle occupants in the optimum position to ensure the airbag provides the maximum protection. The seat belt must therefore always be worn and the webbing correctly positioned.

Incorrectly worn seat belts can cause severe or even fatal injuries ››› page 44, *Correct sitting position of vehicle occupants*.

- The shoulder part of the seat belt must lie on the centre of the shoulder, never across the neck or the arm, under the arm or behind the shoulder.
- The lap part of the seat belt must lie across the pelvis, never across the stomach.
- The seat belt must lie flat and fit comfortably. Pull the belt tight if necessary to take up any slack.

In the case of **pregnant women**, the seat belt should pass uniformly over the chest and as low as possible through the pelvic area with the strap flat so it does not press down on the abdomen; in addition, it must be used throughout the entire pregnancy ››› Fig. 24.

### Adapting the position of the belt webbing to your size

The position of the seat belt can be adapted by adjusting the height of the front seats.

**⚠ WARNING**

**An incorrectly worn seat belt web can cause severe or fatal injuries in the event of an accident.**

- **The shoulder part of the seat belt must lie on the centre of the shoulder, never across the neck or the arm.**
- **The seat belt must lie flat and fit comfortably on the torso**
- **The lap part of the seat belt must lie across the pelvis, never across the stomach. The seat belt must lie flat and fit comfortably on the pelvis Pull the belt tight if necessary to take up any slack.**
- **In the case of pregnant women, the abdominal strap of the seat belt should pass as low as possible across the pelvic area, resting flat and "surrounding" the abdomen ››› Fig. 24.**
- **Do not twist the seat belt while it is fastened.**
- **Once the seat belt is positioned correctly, don't pull it away from your body with your hand.**
- **Do not lie the seat belt across rigid or fragile objects, e.g. glasses, pens or keys.**
- **Never use seat belt clips, retaining rings or similar instruments to alter the position of the belt webbing.**

**Note**

**If your physical constitution prevents you from maintaining the correct position of the belt webbing, contact a specialised workshop for help with any special devices to ensure the optimum protection of the seat belt and airbag. SEAT recommends taking your car in for technical service.**

## Automatic retractor, tensioner and belt force limiter

Vehicle seat belts are part of the vehicle's safety system ››› page 44. This system has the following important functions:

### Automatic belt retractor

The seat belt shoulder straps on the driver's and front passenger seats, as well as those on the rear side seats (and, depending on equipment, also the seat belt of the central rear seat) are fitted with automatic retractors. This device ensures complete freedom of movement when the shoulder strap is pulled gently or during normal driving. However, during sudden braking, when driving in the mountains, around bends and when accelerating, the retractor locks the seat belt if it extends rapidly.

In critical driving situations, e.g. in the event of emergency braking or in the case of oversteer and understeer, the proactive occupant protection can tension the front seat belts automatically if they are worn[1]. The two belts are loosened again if an accident does not happen or when the critical situation passes. Proactive occupant protection is ready to operate again ››› page 52.

### Seat belt tensioner

The seat belts on the front seats and, depending on the equipment, side rear seats are fitted with tensioners.

The tensioners are activated by sensors in the event of severe head-on, side and rear collisions (in hybrid vehicles they are also activated in the event of a roll-over), and they tension the seat belts in a direction opposite their extension.

If the seat belt is slack, the tensioner tightens it. This cushions the movement of occupants forwards towards the impact.

The belt pre-tensioners work in combination with the airbag system. The belt pre-tensioners activate in combination with some of the airbags, depending on the collision type.

When activated, a fine powder may be released. This is completely normal and it is not an indication of fire in the vehicle.

### Reversible belt tensioning (proactive occupant protection)

A reversible tensioning of the seat belts may occur in certain driving situations ››› page 52. For example:

- in the event of sudden brakes
- in the event of oversteering or understeering
- in the event of minor collisions

### Belt force limiter

Depending on the equipment and the country in question, in the event of an accident, the seat belt force limiter reduces the force the seat belt exerts on the body.

**Note**

- **After certain driving situations, the reversible belt tensioners may be left permanently tensioned[1]. In this case, to loosen the belt, it must be removed manually while the vehicle is stationary and then replaced correctly.**
- **The relevant safety requirements must be observed if the vehicle or any components of the system are to be scrapped. Specialised workshops are aware of these requirements.**

## Maintenance and disposal of seat belt tensioners

The belt tensioners are components of the seat belts that are installed in the seats of your vehicle. If you work on the belt tensioners or remove and install parts of the system when performing other repair work, the seat belt may be damaged. The consequence may be that, in the event of an accident, the belt tensioners function incorrectly or may not function at all.

So that the effectiveness of the seat belt tensioner is not reduced and that removed parts do not cause any injuries or environmental pollution, regulations, which are known to the specialised workshops, must be observed.

[1] Only if fitted with the PreCrash System.

**⚠ WARNING**

**Improper handling and home repairs to seat belts, automatic retractors and belt tensioners may increase the risk of serious or fatal injuries. The tensioners may not activate, even though they should, or they may activate unexpectedly.**

- **Never repair, adjust, or disassemble and reassemble seat belt components or tensioners. Always have this work carried out by a specialist workshop.**
- **Seat belts, tensioners and their automatic retractors cannot be repaired and have to be replaced.**

**For the sake of the environment**

**Airbag modules and belt tensioners may contain perchlorate.**

**Observe the legal requirements for their disposal.**

# PreCrash system

## How it works

The PreCrash system is an assistance system that actives a series of measures to protect the occupants of the vehicles in potentially risky situations, but which cannot prevent a collision. It only works completely if no special driving profile is selected and if there are no operating anomalies.

### Basic features

Depending on the legal provisions of the country and the features of the vehicle, in critical situations (e.g. in certain cases of emergency braking or loss of control of the vehicle by the driver) the following functions can be activated separately or at the same time when the vehicle is travelling faster than approximately 30 km/h (20 mph).

- Reversible tensioning of front seat belts that are fastened.
- Operation of the hazard warning lights.
- Automatic closing of the windows until they are just cracked open and, depending on the equipment, of the sunroof.
- In the event of overturning, depending on the equipment, activation of the belt tensioners.

Depending on how critical the driving situation is, the belts are either tightened individually, or both belts at the same time.

### In addition to Front Assist

In vehicles with Front Assist ››› page 207, within the limits of the system, information is assessed on the risk of collision with the vehicle in front. The functions of the PreCrash system may also be activated if there is a high likelihood of a rear-end collision, or during the activation of Front Assist.

### In addition to Side Assist

In vehicles with Side Assist,››› page 218, within the limitations of this system, information is assessed on the risk of collision with traffic to the rear of the vehicle. If a rear-end collision is highly likely, the functions of the PreCrash system may also be activated. In this situation, the hazard warning lights are turned on with a higher frequency of flashes.

### In addition to the Emergency Assist system

In vehicles with emergency assist, driver status information is assessed within the limitations of this system. The following PreCrash systems may be activated if a lack of activity is detected:

- Reversible seat belt tensioning of the driver's seat belt.
- Automatic closing of the windows until they are just cracked open and, depending on the equipment, of the sunroof.

### Activating the PreCrash system

The PreCrash system can be partially deactivated by deactivating the traction and/or stability control, depending on the equip-

ment. When these vehicle safety controls are switched on (by default, every time the ignition is turned on), the system is fully activated.

### Driving profile selection settings

In vehicles with driving profile selection, Pre-Crash adapts to suit the special vehicle configuration of the corresponding profile ››› page 183.

### Limited operation

The PreCrash system is not available or only has limited availability in the following situations:

- When the TCS and/or ESC is off.
- When driving in reverse.
- When the airbag control unit is not operating properly.
- When there is a fault in the system itself, in the ESC or in the Front Assist.

### Troubleshooting

If the PreCrash is not working correctly, the message **System unavailable** or **System with limited functions** is shown permanently on the instrument cluster screen. Get the system checked by a SEAT Official Service.

**⚠ WARNING**

**The PreCrash system cannot overcome the limits imposed by the laws of physics; it only works within the limits of the system. Risks that compromise safety are never justified by the use of this system. The system is not a replacement for driver awareness and cannot prevent a collision.**

- **Adapt your speed and safe distance to the vehicle in front of you at all times to suit the visibility, weather, road and traffic conditions.**
- **The system is not always able to recognise objects.**
- **The system may not react to people or animals or objects that cross length-wise or that are hard to detect.**
- **Metallic objects (e.g. fences) or other elements of the public road or adverse weather conditions can hinder its operation and thus its ability to detect collision risk.**
- **Never ignore the warning lamps that light up or the messages shown on the dashboard.**

**⚠ WARNING**

**Distracting the driver in any way can lead to an accident and cause injuries.**

- **Never change settings on the Infotainment System while driving.**

# Airbag system

## Why is it so important to wear a seat belt and to sit correctly?

For the inflating airbags to achieve the best protection, the seat belt must always be worn properly and the correct sitting position must be assumed.

The airbag system is not a substitute for seat belts, but it is an integral part of the vehicle's overall passive safety system. Please bear in mind that the airbag system can only work effectively when the vehicle occupants are wearing their seat belts correctly and have adjusted the head restraints properly. Therefore, it is most important to properly wear the seat belts at all times, not only because this is required by law in most countries, but also for your safety ››› page 46, *Seat belts*.

The airbag inflates in a matter of seconds, so if you are not properly seated when the airbag is triggered, you may sustain fatal injuries. Therefore, it is essential that all vehicle occupants assume a correct sitting position while travelling.

Sharp braking before an accident may cause a passenger not wearing a seat belt to be thrown forward into the area of the deploying airbag. In this case, the inflating airbag may inflict critical or fatal injuries on the occupant. This also applies to children.

Always maintain the greatest possible distance between yourself and the front airbag. This way, the front airbags can completely deploy when triggered, providing their maximum protection.

The most important factors for triggering the airbag are the type of accident, the angle of impact and the vehicle speed.

Whether or not the airbags are activated depends primarily on the vehicle deceleration rate resulting from the collision and detected by the control unit. If the vehicle deceleration occurring during the collision and measured by the control unit remains below the specified reference values, the front, side and/or curtain airbags will not be triggered. Take into account that the visible damage in a vehicle involved in an accident, no matter how serious, is not a determining factor for the airbags to have been activated.

**⚠ WARNING**

**Wearing the seat belt incorrectly or assuming an incorrect sitting position can lead to critical or fatal injuries**

- **All vehicle occupants, including children, who are not properly belted can sustain critical or fatal injuries if the airbag is triggered. Children up to 12 years old should always travel on the rear seat. Never transport children in the vehicle if they are not restrained or the restraint system is not appropriate for their age, size or weight.**
- **To reduce the risk of injury from an inflating airbag, always wear the seat belt properly** **››› page 46.**

## Description of the airbag system

The airbag system offers additional protection for the occupants in combination with the seat belts.

**The airbag system comprises the following modules (as per vehicle equipment):**

- Electronic control unit
- Front airbags for driver and passenger
- Knee airbag for the driver
- Side airbags
- Central airbag for the driver
- Head airbag
- Airbag control lamp on the instrument panel **››› page 55**
- Key-operated switch for front passenger airbag
- Control lamp for disabled/enabled status of the front passenger airbag.

The airbag system operation is monitored electronically. The airbag control lamp will illuminate for a few seconds every time the ignition is switched on (self-diagnosis).

**There is a fault in the system if the control lamp :**

- does not light up when the ignition is switched on **››› page 55**,
- turns off after 4 seconds after the ignition is switched on,
- turns off and then lights up again after the ignition is switched on,
- illuminates or flashes while the vehicle is moving.

**The airbag system is not triggered if:**

- the ignition is switched off
- there is a minor frontal collision
- there is a minor side collision
- there is a rear-end collision
- in the event of the vehicle overturning if the dynamic characteristics measured by the control unit are too low,
- the impact speed is lower than the reference value programmed in the control unit.

**⚠ WARNING**

- **The seat belts and airbags can only provide maximum protection if the occupants are seated correctly** **››› page 44**.
- **If a fault has occurred in the airbag system, have the system checked immediately by a specialised workshop. Otherwise there is a danger that during a collision, the system may fail to trigger, or not trigger correctly.**

## Airbag activation

The airbags deploy extremely rapidly, within thousands of a second, to provide additional protection in the event of an accident. A fine dust may develop when the airbag deploys. This is normal and it is not an indication of fire in the vehicle.

The airbag system is only ready to function when the ignition is on.

In special accidents instances, several airbags may activate at the same time.

In the event of minor head-on and side collisions, rear-end collisions, overturning or rollover of the vehicle, airbags **do not activate**.

Airbags only activate if the vehicle overturns in the hybrid plug-in version of the vehicle.

**Activation factors**

The conditions that lead to the airbag system activating in each situation cannot be generalised. Some factors play an important role, such as the properties of the object the vehicle hits (hard/soft), angle of impact, vehicle speed, etc.

Deceleration trajectory is key for airbag activation.

The control unit analyses the collision trajectory and activates the respective restraint system.

If the deceleration rate is below the predefined reference value in the control unit the airbags will not be triggered, even though the accident may cause extensive damage to the car.

**The following airbags are triggered in serious head-on collisions:**

- Driver airbag.
- Front passenger front airbag
- Knee airbag for the driver.
- Head airbags.

**In the event of serious side collisions, some (or all) of the following airbags can be activated (depending on the severity of the collision):**

- Curtain (head) airbag on the side of the accident.
- Front side airbag on the side of the accident.
- Rear side airbag on the side of the accident.
- Central airbag.

**In an accident with airbag activation:**

- the interior lights switch on (if the interior light switch is in the courtesy light position);
- the hazard warning lights switch on;
- all doors are unlocked;
- the fuel supply to the engine is cut;
- in hybrid vehicles, the high voltage system is switched off;
- an emergency call is started.

## Airbag system control lamps

**Lights up on the instrument cluster**
Fault in the airbag system and seat belt tensioners. Have the system checked immediately by a specialised workshop.

**OFF Lights up on the roof console**
Front passenger front airbag deactivated. Check if the airbag should be kept deactivated.

**ON Lights up on the roof console**
Front passenger front airbag activated. The control lamp turns off automatically 60 seconds after the ignition is switched on.

Several warning and control lamps light up for a few seconds when the ignition is switched on, signalling that the function is being verified. They will switch off after a few seconds.

If the airbag and seat belt tensioner system control lamp remains on or flashes, it indicates a malfunction in the airbag and seat belt tensioner system ››› ⚠ . Have the system checked immediately by a specialised workshop.

If the front passenger airbag has been deactivated, the warning lamp OFF remains lit on the roof console to remind you that the airbag is deactivated. If, with the front passenger airbag deactivated, this lamp **does not remain lit** or if it is lit along with the control lamp on the instrument panel, there is a fault in the airbag system ››› ⚠. If the control lamp is flashing, there is a fault in the disabling of the airbag system ››› ⚠. Have the system checked immediately by a specialised workshop.

**⚠ WARNING**

**In the event of a fault in the airbag and seat belt tensioner system, the airbags and seat belts may not trigger correctly, may fail to trigger or may even trigger unexpectedly.**

- **The vehicle occupants run the risk of sustaining severe or fatal injuries. Have the system checked immediately by a specialised workshop.**

- **Do not mount a child seat in the front passenger seat or remove the mounted child seat! The front passenger front airbag may deploy during an accident in spite of the fault.**

**ⓘ NOTICE**

**Always pay attention to any lit control lamps and to the corresponding descriptions and instructions to avoid damage to the vehicle or harm to the occupants.**

## Front airbags

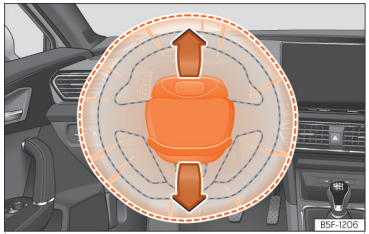


**Fig. 25** Driver's airbag in the steering wheel.

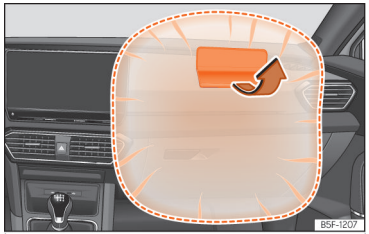


**Fig. 26** Front passenger airbag located in dash panel.

The driver's front airbag is housed in the steering wheel and that of the front passenger, on the dash panel. Airbags are identified by the word "AIRBAG".

The airbag covers open and remain attached to the steering wheel and instrument panel when the driver and front passenger airbags are triggered, respectively ››› Fig. 25 , ››› Fig. 26.

In conjunction with the seat belts, the front airbag system gives the front occupants additional protection for the head and chest in the event of a severe frontal collision ››› ⚠.

In addition, in certain head-on collisions, the head airbag is triggered on both sides of the vehicle.

Their special design allows the controlled escape of the propellant gas when an occupant puts pressure on the bag. Thus, the head and

chest are protected by the airbag. After the collision, the airbag deflates sufficiently to allow visibility.

**⚠ WARNING**

- **The deployment space between the front passengers and the airbags must not in any case be occupied by other passenger, pets and objects.**
- **The airbags provide protection for just one accident; replace them once they have deployed.**
- **It is also important not to attach any objects such as cup holders or telephone mountings to the surfaces covering the airbag units.**

## Activate and deactivate front passenger front airbag

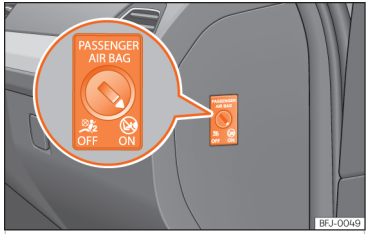


**Fig. 27** Switch for activating and deactivating the front passenger airbag.

**Fig. 28** On the roof console: passenger airbag deactivation control lamp.

Deactivate the front passenger front airbag only if you have to use a rear-facing child seat in the front passenger seat.

SEAT recommends fitting the child seat in the rear seat to avoid having to deactivate the front passenger airbag.

When the front passenger airbag is **deactivated**, this means that only the front passenger front airbag is deactivated. All the other airbags in the vehicle remain activated.

### Deactivate and activate the front passenger front airbag

- Switch the ignition off.
- Open the passenger side door.
- Remove the key shaft from the vehicle key.
- Insert the key blade into the slot provided in the front passenger airbag disconnection switch ››› Fig. 27. About 3/4 of the key should enter; this is as far as it will go.
- Turn the key gently to change its position to OFF (deactivate) or to ON (activate). If you have difficulty, ensure that you have inserted the key as far as it will go.
- Close the front passenger door.
- When deactivating the airbag, switch the ignition on and check that the control lamp OFF remains lit ››› Fig. 28.
- When reactivating the airbag, check that when the ignition is switched on, the OFF control lamp does not light up and the ON lamp lights up for 60 seconds and then turns off.

**⚠ WARNING**

- **The driver of the vehicle is responsible for disabling or switching on the airbag.**
- **Always switch off the ignition before disabling the front passenger airbag! Failure to do so could result in a fault in the airbag deactivation system.**
- **Never leave the key in the airbag disabling switch as it could get damaged or enable or disable the airbag during driving.**
- **If for any reason an airbag is deactivated, reactivate it as soon as possible so that it can fulfil its protective function.**

## Central airbag

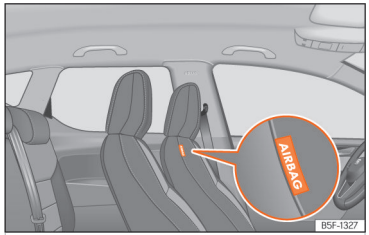


**Fig. 29** In the inner padding of the driver's seat backrest: central airbag.

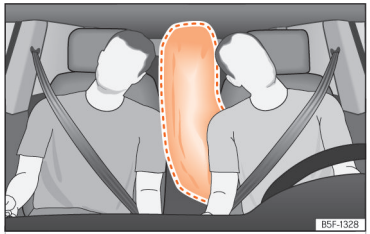


**Fig. 30** Fully inflated central airbag (deployment zone).

The central airbag is installed for the front seats and is located in the inner padding of the driver's seat backrest.

The location of the central airbag is indicated by the inscription "AIRBAG" ››› Fig. 29.

When triggered, the central airbag fills the marked zone (deployment zone) ››› Fig. 30. For this reason, never place or fix objects in this zone ››› ⚠.

The central airbag triggers in the case of a side collision or if the vehicle overturns, reducing the risk of vehicle occupants suffering injuries.

**⚠ WARNING**

**When triggered, the airbag inflates at high speed in milliseconds.**

- **Always keep the central airbag deployment zone clear.**
- **Never attach objects to the central airbag cover or the deployment zone.**
- **Do not allow other people, animals or objects to get between the occupants of the front seats and the airbag deployment zone. Make sure that all vehicle occupants, including children, follow this rule.**
- **Never use upholstery or seat covers that have not been explicitly authorised for the seats of the vehicle. Otherwise, the side airbag will not be able to deploy if triggered.**

**⚠ WARNING**

**Improper manipulation of the driver and front passenger seats can prevent the central airbag from operating correctly and cause serious injuries.**

- **Never remove the front seats from the vehicle or modify their components.**
- **If the backrest side bolsters are subjected to a lot of force, the central airbag may not trigger correctly,it may not trigger at all or if may trigger unexpectedly.**
- **Have a specialised repair shop immediately repair any damage to the original seat upholstery or seams in the area of the central airbag module.**

## Side airbags

**Fig. 31** Side airbag in driver's seat.

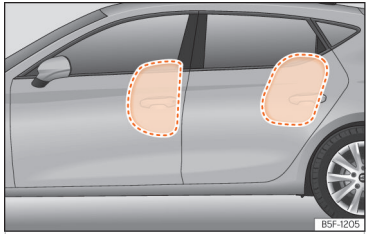


**Fig. 32** Illustration of completely inflated side airbag on left side of vehicle.

The side airbags are located in the backrests of the front seats and in the sides of the rear seat, depending on the vehicle's configuration ››› Fig. 31, ››› Fig. 32.

Its location is marked with the word "AIRBAG" on the upper part of the back of the seats or on the lower coverings with the word AIRBAG in relief.

In conjunction with the seat belts, the side airbag system provides additional protection for the upper body in the event of a severe side collision ››› ⚠.

In a side collision, the side airbags reduce the risk of injury to passengers to the areas of the body facing the impact. In addition to their normal protection, the seat belts also hold the passengers in the event of a side collision; this is how these airbags provide maximum protection.

**⚠ WARNING**

- **If you do not wear a seat belt, if you lean forward, or are not seated correctly while the vehicle is in motion, you are at a greater risk of injury if the side airbag system is triggered in an accident.**
- **In order for the side airbags to provide their maximum protection, the prescribed sitting position must always be maintained with seat belts fastened while travelling.**
- **In a side-on collision the side airbags will not work if the sensors do not correctly measure the pressure increase on the interior of the doors, due to air escaping through the areas with holes or openings in the door panel.**
- **Never drive if the interior door panels have been removed or if the panels have not been correctly fitted.**
- **Occupants of the outer seats must never carry any objects or pets in the deployment space between them and the airbags, or allow children or other passengers to travel in this position. It is also important not to attach any accessories (such as cup holders) to the doors. This would impair the protection offered by the side airbags.**
- **Ensure that children are correctly seated in their seats and that their heads are not in the deployment zone of the side airbags ››› Fig. 32, as deploying airbags could hit them and cause serious injury.**
- **The built-in coat hooks should be used only for lightweight clothing. Do not leave any heavy or sharp-edged objects in the pockets.**
- **Great forces, such as hard blows or kicks, must not be exerted upon the backrest bolster because the system may be damaged. In this case, the side airbags would not be triggered.**
- **Under no circumstances should protective covers be fitted over seats with side airbags unless the covers have been approved for use in your vehicle. Because the airbag deploys from the side of the backrest, the use of conventional seat covers would obstruct the side airbag, seriously reducing the airbag's effectiveness.**
- **Any damage to the original seat upholstery or around the seams of the side airbag units must be repaired immediately by a specialised workshop.**
- **The airbags provide protection for just one accident; replace them once they have deployed.**
- **Any work on the side airbag system or removal and installation of the airbag components for other repairs (such as removal of the front seat) should only be performed by a specialised workshop. Otherwise, faults may occur during the airbag system operation.**

## Head-protection airbags

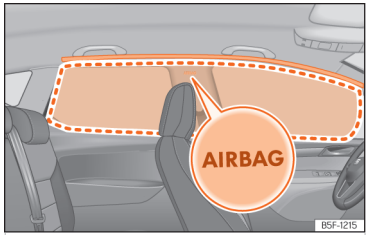


**Fig. 33** Location and deployment area of the head-protection airbag.

Head-protection airbags are on both sides of the passenger compartment, above the doors ››› Fig. 33 and their location is indicated with the word "AIRBAG".

In combination with the seat belts, the Side Curtain Protection® airbags provide additional protection for the upper part of the body of vehicle occupants in the event of serious side collisions or the vehicle overturning ››› ⚠.

The framed area is covered by the head-protection airbag when it is deployed (deployment area) ››› Fig. 33. Therefore, objects should never be placed or mounted in this area ››› ⚠.

In the event of a side collision the curtain airbag is triggered on the impact side of the vehicle.

The head-protection airbags reduce the risk of injury to passengers in the front and rear side seats facing the impact.

**⚠ WARNING**

- **In order for the head-protection airbags to provide their maximum protection, the prescribed sitting position must always be maintained with seat belts fastened while travelling.**
- **For safety reasons, the curtain airbag must be disabled in those vehicles fitted with a screen dividing the interior of the vehicle. See your technical service to make this adjustment.**
- **There must be no other persons, animals or objects between the occupants of the outer seats and the deployment space of the head-protection airbags so that the head-protection airbag can deploy completely without restriction and provide the greatest possible protection. Therefore, sun blinds which have not been expressly approved for use in your vehicle may not be attached to the side windows.**
- **Ensure that children are correctly seated in their seats and that their heads are not in the deployment zone of the head airbags ››› Fig. 33, as deploying airbags could hit them and cause serious injury.**
- **The built-in coat hooks should be used only for lightweight clothing. Do not leave any heavy or sharp-edged objects in the pockets. Please, do not hang the clothes on coat hangers.**
- **The airbags provide protection for just one accident; replace them once they have deployed.**
- **Any work on the head-protection airbag system or removal and installation of the airbag components for other repairs (such as removal of the roof lining) should only be performed by a specialised workshop. Otherwise, faults may occur during the airbag system operation.**
- **The side and head airbags are managed through sensors located in the interior of the front doors. To ensure the correct operation of the side and curtain airbags neither the doors nor the door panels should be modified in any way (e.g. fitting loudspeakers). If the front door is damaged, the airbag system may not work correctly. All work carried out on the front door must be done in a specialised workshop.**

## Knee airbag

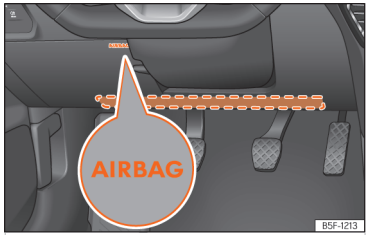


**Fig. 34** On the driver side: location of airbag for knees.

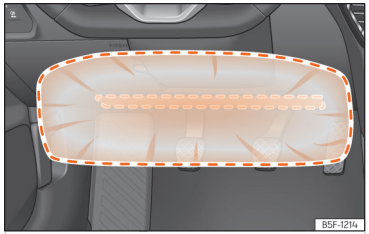


**Fig. 35** On the driver side: action radius of airbag for knees.

The knee airbag is located on the driver side below the dash panel ››› Fig. 34. Airbags are identified by the word "AIRBAG".

The framed area (deployment area) ››› Fig. 35 is covered by the knee airbag when it is deployed. Objects should never be placed or mounted in this area.

**⚠ WARNING**

- **The knee airbag is deployed in front of the driver's knees. Always keep the deployment areas of the knee airbags free.**
- **Never not fix objects to the cover or in the deployment area of the knee airbag.**
- **Adjust the driver's seat so that there is a distance of at least 10 cm (4 inches) between your knees and the location of the this airbag. If your physical constitution prevents you from meeting these requirements, make sure you contact a specialised workshop.**

# Transporting children safely

## Introduction

For safety reasons, as we have learned from accident statistics, we recommend that children under 12 years of age travel in the rear seats. Depending on their age, height and weight, children travelling in rear seats must use a child seat or a seat belt. For safety reasons, the child seat should be installed in the rear seat, behind the front passenger seat or in the centre back seat.

The laws of physics involved and the forces acting in a collision apply also to children ››› page 48. But unlike adults, children do not have fully developed muscle and bone structures. This means that children are subject to a greater risk of injury.

To reduce the risk of injuries, children must always use special child restraint systems when travelling in the vehicle.

We recommend the use of child safety products from the Original Accessories Programme, which includes systems for all ages made by "Peke" (not for all countries) (see www.seat.com).

These systems have been especially designed and approved, complying with the ECE-R44. regulation.

SEAT recommends securing the child seats shown on the website as described below:

- Child seats in the opposite direction of travel (group 0+): ISOFIX and support leg (ROMER BABY SAFE 3 i-SIZE + ISOFIX BASE / PEKE G0 i-SIZE + i-SIZE BASE).
- Child seats in the direction of travel (group 1): ISOFIX (PEKE G1 TRIFIX i-SIZE).
- Forward-facing child seats (group 2): seatbelt and ISOFIX (ROMER BRITAX KIDFIX i-SIZE. In addition, the child seat's attachment point for the "SecureGuard" lap belt must be used, and the "SICT" side impact protection system located at the rear of the child seat must be adjus-

ted. Adjust only the "SICT" closest to the door. Please follow the child seat manufacturer's usage instructions).

- Child seats directed towards the front of the vehicle (group 3): safety belt (TAKATA MAXI).

Follow the manufacturer's instructions and observe any statutory requirements when installing and using child seats. Always read and note ››› page 63.

We recommend you always carry the manufacturer's Child Seat Instruction Manual together with the on-board documentation.

## Child seats group classification

**Fig. 36** Examples of child seats.

Use only child seats that are officially approved and suitable for the child.

These seats are subject to the ECE-R44 or ECE-R129 standards. ECE-R stands for: Economic Commission for Europe Regulation.

### Child seats by weight group

The child seats are grouped into 5 categories:

| Age group | Weight of the child |
|---|---|
| Group 0 | Up to 10 kg |
| Group 0+ | Up to 13 kg |
| Group 1 | From 9 to 18 kg |
| Group 2 | From 15 to 25 kg |
| Group 3 | From 22 to 36 kg |

Child seats that have been tested and approved under the ECE R44 or ECE-R129 standards bear the ECE-R44 or ECE-R129 test marks on the seat (the letter E in a circle with the test number below it).

Follow the manufacturer's instructions and observe any statutory requirements when installing and using child seats.

We recommend you to always include the manufacturer's Child Seat Instruction Manual together with the on-board documentation.

SEAT recommends you use child seats from the **Original Accessories Catalogue**. These child seats have been designed and tested for use in our vehicles. You can find the right child seat for your model and age group at our dealers.

### Child seats by approval category

Child seats may have the approval category of universal, semi-universal, vehicle specific (all according to the ECE-R44 standard) or i-Size (according to the ECE-R129 standard).

- **Universal**: child seats with universal approval can be installed in all vehicles. There is no need to consult any list of models. In the case of universal approval for ISOFIX, the child seat is additionally provided with a Top Tether belt.
- **Semi-universal**: semi-universal approval, in addition to the standard requirements of universal approval, requires safety devices to lock the child seat, which require additional testing. Child seats with semi-universal approval include a list of vehicle models for which they can be installed.
- **Vehicle-specific**: vehicle-specific approval requires a dynamic test of the child seat for each vehicle model separately. Child seats with vehicle-specific approval also include a list of vehicle models for which they can be installed.
- **i-Size**: child seats with i-Size approval must meet the requirements prescribed in the ECE-R 129 standard in relation to installation and safety. Child seat manufacturers can tell you which seats have i-Size approval for this vehicle.

## Fitting and using child seats

**Fig. 37** Airbag sticker: on the passenger side sunshade blind.

**Fig. 38** Airbag sticker: on the rear frame of the passenger side door.

### Warnings about fitting a child seat

Take the following general warnings into account if you are going to fit a child seat. They are valid for all child seats regardless of their attachment system.

- Please read and follow the child seat manufacturer's operating instructions.
- The child seat should preferably be fitted to the rear seat behind the front passenger seat so that the child can exit the vehicle on the pavement side.
- Set the height of the seat belt such that it adapts to the child seat naturally, without twisting. The lowest position of the seat belt height regulator must be used with rear-facing child seats.
- To correctly use a child seat in the back, the front backrest must be adjusted so that there is no contact with the child seat in the back in the case that it goes opposite to the direction of the car. In the case of front facing restraint systems, the front backrest must be adjusted so that there is no contact with the child's feet.
- For a correct assembly of the child's seat on the rear seats, adjust or dismount the headrest, in order to prevent contact with the seat.
- If a semi-universal type chair is to be installed, in which the method of attachment to the car is through the seat belt and support bracket, it should never be installed in the central rear seat as the ground clearance is lower than in other places and the support bracket will not allow the seat to remain sufficiently stable.
- When fitting a child seat on the front passenger seat, the seat must be moved backwards as far as possible and placed in the highest position. The backrest must also be put in a vertical position[1].

### Important information about the front passenger front airbag

A sticker with important information about the passenger airbag is located on the passenger's sunshade blind and/or on the passenger side door frame ››› Fig. 37.

Read and always observe the safety information included in the following chapters:

- Safety distance with respect to the passenger airbag ››› page 53.
- Objects between the passenger and the passenger side airbag ››› ⚠ in *Front airbags* on page 57.

The passenger side front airbag, when enabled, is a serious risk for a child that is facing backward since the airbag can strike the seat with such force that it can cause serious or fatal injuries. Children up to 12 years old should always travel on the rear seat.

[1] Compliance with current national legislation and the manufacturer's instructions is required when using or installing child seats.

Therefore we strongly recommend you to transport children on the rear seats. This is the safest location in the vehicle. Alternatively, the front passenger airbag can be disabled with a key-operated switch ››› page 57. When transporting children, use a child seat suitable for the age and size of each child ››› page 62.

**⚠ WARNING**

- **If a child seat is secured to the front passenger seat, the risk to the child of sustaining critical or fatal injuries in the event of an accident increases.**
- **An inflating front passenger airbag can strike the rear-facing child seat and project it with great force against the door, the roof or the backrest.**
- **Never install a child seat facing backwards on the front passenger seat unless the front passenger front airbag has been disabled. Risk of potentially fatal injuries to the child! However, if necessary, the front passenger front airbag must be deactivated** **››› page 57** **. If the passenger seat has a height adjustment option, move it to the highest, most upright position. If you have a fixed seat, do not install any child restraint system in this location.**
- **For those vehicles that do not include a key lock switch to deactivate the airbag, the vehicle must be taken to a technical service. Do not forget to reconnect the airbag when an adult wants to sit in the front passenger seat.**
- **Never allow a child to be transported in a vehicle without being properly secured, or to stand up or kneel on a seat while travelling. In an accident, the child could be flung through the vehicle, causing possibly fatal injuries to themselves and to the other vehicle occupants.**
- **Never leave a child alone in the child seat or in the vehicle.**
- **Children who are less than 1.50 m tall must not wear a normal seat belt without a child seat, as this could cause injuries to the abdominal and neck areas during a sudden braking manoeuvre or in an accident.**
- **When a child seat is mounted in the rear seats, the door child-proof lock should be activated** **››› page 108****.**

## Attachment systems

Depending on the country, different attachment systems are used for safely installing child seats.

### Attachment systems overview

- **ISOFIX**: ISOFIX is a standardised attachment system allowing quick and safe attachment of child seats in the vehicle. ISOFIX attachment establishes a rigid connection between the child seat and the car body.

  The child seat has two rigid attachment clips, called connectors. These connectors are fitted into the ISOFIX attachment rings found between the seat cushion and the backrest of the vehicle's back seat (on the sides). ISOFIX attachment systems are used mainly in Europe ››› page 65. If necessary, ISOFIX attachment may have to be supplemented with a Top Tether belt or a support bracket.
- **Automatic three-point seat belt**. Whenever possible, it is preferable to attach the child seats with the ISOFIX system rather than attaching them with an automatic three-point seat belt ››› page 69.

Additional attachment:

- **Top Tether**: the Top Tether belt is guided over the back of the rear seat and attached to an anchor point with a hook. Anchor points are located at the back of the rear seat backrest on the luggage compartment side ››› page 68. The rings for retaining the Top Tether belt are marked with an anchor symbol.
- **Support bracket**: some child seats rest on the floor of the vehicle with a support bracket. The support bracket prevents the child seat from tipping forward in the event of impact. Child seats fitted with a support bracket should only be used in the passenger seat and side rear seats ››› ⚠. For the assembly of this type of seat you should also consult the list of approved vehicles for this assembly, available in the instructions for child restraint systems.

**Recommended systems for attaching child seats**

SEAT recommends attaching child seats as follows:

- **Baby carriers or child seats in the opposite direction of travel**: ISOFIX and support bracket or i-Size.
- **Child seats in the direction of travel**: ISOFIX and Top Tether.

**⚠ WARNING**

**Incorrect use of the support bracket can cause serious or fatal injury.**

- **Make sure the support bracket is correctly and safely installed.**
- **When the base of the child seat is supporting the child's weight, the support foot should not hang in the air or be supplemented with objects. In addition, make sure that the base of the child seat is always supported by the surface of the vehicle's seat. The support leg of the child seat should not raise the base of the child seat off the surface of the vehicle's seat.**

## Securing the child seat with the ISOFIX or i-Size system

The marking of ISOFIX or i-Size anchor points depends on the equipment and the country in question.

See the following tables to understand the compatibility of the ISOFIX/i-Size systems in the vehicle:

## Vehicle ISOFIX/i-Size positions

| Weight group | Child seat orientation | Size class / ISOFIX class | Front passenger seat | | Rear side seat | Rear central seat |
|---|---|---|---|---|---|---|
| | | | airbag enabled | airbag disabled | | |
| Baby carrier | -- | F / L1 | X | X | X | X |
| | -- | G / L1 | X | X | X | X |
| Group 0: up to 10 kg | Rear facing | E / R1 | X | IL | IL | X |
| Group 0+: up to 13 kg | Rear facing | E / R1 | X | IL | IL | X |
| | | D / R2 | X | IL | IL | X |
| | | C / R3 | X | IL | IL | X |
| Group I: 9 to 18 kg | Rear facing | D / R2 | X | IL | IL | X |
| | | C / R3 | X | IL | IL | X |
| | Forward-facing | B / F2 | IL, IUF | X | IL, IUF | X |
| | | B1 / F2X | IL, IUF | X | IL, IUF | X |
| | | A / F3 | IL, IUF | X | IL, IUF | X |
| Group II: 15 to 25 kg[a)] | Forward-facing | -- / -- | IL | X | IL | X |
| Group III: 22 to 36 kg[a)] | Forward-facing | -- / -- | IL | X | IL | X |
| i-Size child seat | Rear facing | -- / R2 | X | IUF | IUF | X |
| | Forward-facing | -- / B2, F2X | IUF | X | IUF | X |
| Booster | Forward-facing | -- / B2, B3 | IB | X | IB | X |

[a)] Installation in front seats requires reclining the backrest.

- **Size class:** The indication of class according to size corresponds to the authorised bodyweight for the child seat. In child seats with universal or semi-universal approval, the class according to size is indicated on the ECE approval label. The indication of class according to size is stated on the corresponding child seat.
- **IUF:** Suitable for forward-facing ISOFIX / i-Size "universal" child restraint systems approved for use in this weight group.

- **IL:** It is suitable for certain ISOFIX child restraint systems that can be for the specific vehicle, restricted or semi-universal categories. Take the child seat manufacturer's vehicle list into account.
- **IB:** Seat suitable for installing an ISOFIX forward-facing group 2/3 booster seat as well as an i-size forward-facing child seat for children with a height of 100 to 150 cm.
- **X:** Position not suitable for ISOFIX or i-Size child restraint systems in this weight group or size class.

### Securing the child seat with the ISOFIX or i-Size system

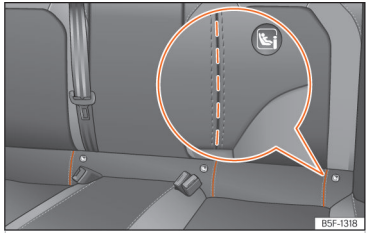


**Fig. 39** Rear seat: die cut slots to access the ISOFIX / iSize securing rings.

**Fig. 40** Front passenger seat: location of the i-Size fastening rings.

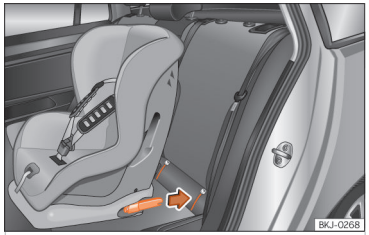


**Fig. 41** Rear seats: fitting a child seat with the ISOFIX system.

You must follow the child seat manufacturer's instructions.

The location of the ISOFIX or i-Size anchor points is indicated by a symbol ››› Fig. 39 , ››› Fig. 40. In some vehicles, the rings are secured to the seat frame and, in others, they are secured to the rear floor.

- First open the cut-out section behind the marked grooves to access the retaining rings ››› Fig. 39.
- Press the child seat onto the ISOFIX or iSize retaining rings until it is heard to engage securely ››› Fig. 41. If the child seat is equipped with Top Tether anchor points, secure it to the correspondent ring ››› page 68. Follow the child seat manufacturer's instructions.
- Pull on both sides of the child seat to ensure that it is properly anchored.

Child seats with the ISOFIX or i-Size and Top Tether attachment system can be purchased from technical services.

**⚠ WARNING**

**The securing rings are designed only for use with ISOFIX or i-Size and Top Tether system child seats.**

- **Never secure other child seats that do not have ISOFIX, i-Size or Top Tether systems, or safety belts or any other objects to the securing rings – as this can result in potentially fatal injuries to the child.**
- **Ensure that the child seat is correctly secured to the ISOFIX or i-Size rings and the Top Tether.**

## Top Tether securing belts

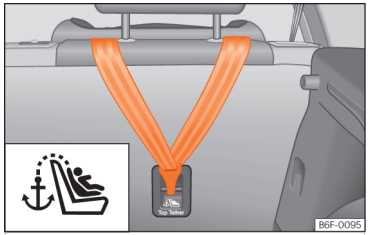


**Fig. 42** Rear part of the rear seats: securing rings for the Top Tether belt.

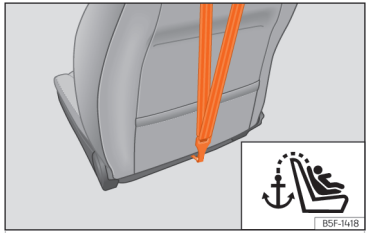


**Fig. 43** Rear of front passenger seat backrest: Top Tether belt anchor.

Child seats with a Top Tether system are fitted with an additional belt for fastening to an anchor point in the vehicle. This anchor point is located on the rear of the rear seat backrest and of the front passenger seat backrest (identified with the symbol ⚓) and provides better retention ››› Fig. 42, ››› Fig. 43.

The objective of this system is to reduce forward movements of the child seat in a head-on collision, to reduce the risk of injuries that may be caused to the child's head by impacting against any element of the inside of the vehicle.

### Use of Top Tether on rearward-facing child restraints

Currently, there are very few rearward-facing child restraints with Top Tether. The car seat manufacturer's instructions for proper installation of the Top Tether should be read carefully and followed.

### Locking the tether belt

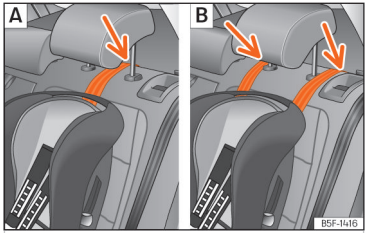


**Fig. 44** Rear seats: adjustment and assembly according to the Top Tether belt.

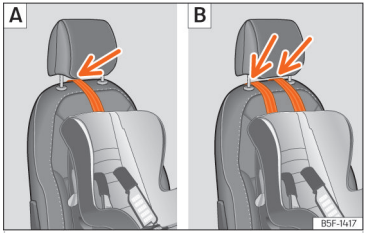


**Fig. 45** Front passenger seat: adjustment and assembly according to the Top Tether belt.

- Deploy the Top Tether belt according to the child seat manufacturer's instructions.
- Position the belt under the headrest (according to the instructions of the seat itself, lift or remove the headrest if necessary) ››› Fig. 44, ››› Fig. 45.
- Slide the belt and secure it properly with the anchor on the rear seat backrest ››› Fig. 42 , ››› Fig. 43.
- Tighten the belt securely according to the manufacturer's instructions.

### Release the tether belt

- Slacken the belt according to the manufacturer's instructions.
- Press the lock and release it from the anchor bracket.

**⚠ WARNING**

**Installing safety seats incorrectly will increase the risk of injury in the event of a collision.**

- **Never attach the tether belt to a fastening hook in the luggage compartment.**
- **Never attach or secure luggage or other items to the lower anchor points (ISOFIX) or Top Tether anchor points.**

**⚠ WARNING**

**Child restraint anchors are designed to support the loads of properly adjusted child restraint systems. Under no circumstances should they be used to attach adult seat belts, harnesses or other items or equipment to the vehicle.**

## Fitting a child seat using the seat belt

If you want to fit a universal approval category (U) child seat in your vehicle, you must check that the seat is approved for your vehicle.

You will find any necessary information on the child seat's orange ECE approval label.

The following table shows the different fitting options.

| Weight group | | Front passenger seat[a] | | Rear side seat | Rear central seat[b] |
|---|---|---|---|---|---|
| | | Airbag enabled[c] | Airbag deactivated[c] | | |
| Group 0 up to 10 kg | | X | U | U | U |
| Group 0+ up to 13 kg | | X | U | U | U |
| Group I 9 to 18 kg | Rear-facing | X | U | U | U |
| | Forward-facing | U | X | U | U |
| Group II 15 to 25 kg | | U | X | U | U |
| Group III 22 to 36 kg | | U | X | U | U |
| X: Not compatible for the installation of seats install chairs in this configuration. | | | | | |
| U: Suitable for universal restraint systems for use in this weight group. | | | | | |

[a] Compliance with current national legislation and the manufacturer's instructions is required when using or installing child seats.
[b] For semi-universal chairs where the securing system is the car safety belt and the support bracket, do not use them in the centre rear seat.
[c] Seats **without** height adjustment should be placed in their rearmost position. Seats **with** height adjustment should be placed in their rearmost and highest position.

### Fitting a child seat using the seat belt

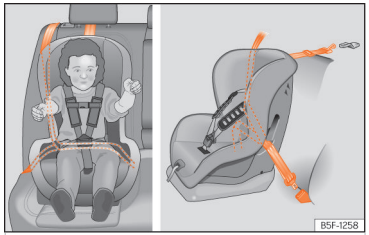


**Fig. 46** On rear seats: installing a child seat.

- Put the seat belt in place and pass it through the child seat according to the instructions of the child seat manufacturer.
- Make sure that the seat belt is not twisted.
- Insert the latch plate into the seat's buckle until you hear the engagement click.

**⚠ WARNING**

**When travelling, children must be secured in the vehicle with a restraint system suitable for age, weight and size.**

- **Always read and observe information and warnings concerning the use of child seats** **››› page 63.**

# In case of emergency

## Hazard warning lights

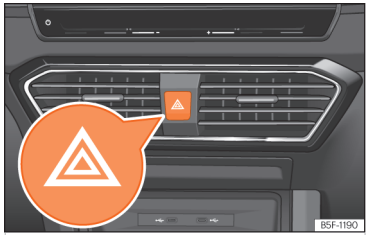


**Fig. 47** Dashboard: switch for hazard warning lights.

The hazard warning lights are used to draw the attention of other road users to your vehicle in emergencies.

If your vehicle is stationary:

1. Park the vehicle at a safe distance from road traffic.
2. Press the button to switch on the hazard warning lights ››› ⚠.
3. Apply the electronic parking brake.
4. Stop the engine.
5. Engage 1st gear in vehicles with a manual gearbox, or press the parking lock button **P** in vehicles with automatic transmission.
6. Follow the legal provisions of each country (reflective vest, warning triangles, light beacon, etc.).
7. Always carry the key with you when leaving the vehicle.

All turn signals flash simultaneously when the hazard warning lights are switched on. The two turn signal turn signal lamps ⬅ ➡ and the turn signal lamp in the switch ⚠ will flash at the same time. The simultaneous hazard warning lights also work when the ignition is switched off.

While the hazard warning lights are on, you can signal a direction or lane change, e.g. during towing, by operating the turn signal lever. The hazard warning lights remain switched off during this time.

### Emergency braking warning

If the vehicle brakes suddenly and continuously at a speed of more than 80 km/h (50 mph), the brake light flashes several times per second to warn the vehicles driving behind. If you continue braking, the hazard warning lights will come on automatically when the vehicle comes to a standstill. They switch off automatically when the vehicle starts to move again.

**⚠ WARNING**

- **The risk of an accident increases if your vehicle breaks down. Always use the hazard warning lights and a warning triangle (or light beacon, depending on the country) to draw the attention of other road users to your stationary vehicle.**
- **Never leave anybody inside the vehicle, particularly children or anybody who may need help. This is especially important when the doors are locked. Individuals locked in the vehicle can be exposed to very high or very low temperatures.**
- **Due to the high temperatures that the catalytic converter can reach, never park in an area where the catalytic converter could come into contact with highly inflammable materials, for example dry grass or spilt petrol. This could start a fire.**

**Note**

- **The 12-volt vehicle battery will run down if the hazard warning lights are left on for a long time (even if the ignition is switched off).**
- **The use of the hazard warning lights described here is subject to the relevant statutory requirements.**

## Behaviour in the event of an accident or fire

### Actions to take in the event of a fire or accident

For your own safety and that of other passengers, the following points should be observed in the order given ››› ⚠:

- Switch off the engine.
- If possible, switch on the hazard warning lights ››› page 71.
- Follow the legal provisions of each country (reflective vest, warning triangles, light beacon, etc.).
- If necessary, get any people out of the hazard area and apply first aid.
- Notify the emergency services.
- Wait at a safe distance from the scene of the accident for the emergency services to arrive.
- In case of fire, do not attempt to extinguish the fire yourself or remain near the vehicle.

**⚠ WARNING**

**For your own safety, do not ignore this important check list, otherwise accidents and serious injuries could occur.**

- **Always complete the operations on the check list and always bear in mind the general safety measures.**

**⚠ WARNING**

**In the event of fire, an explosion may occur and substances harmful to health may be released, which can cause serious injury.**

- **Never stay near the burning vehicle.**

## Emergency call service

**Fig. 49** On the roof console: controls for voice services.

**Fig. 49** Emergency call button.

Depending on the equipment, an emergency call system may be located on the roof console.

The following voice services can be run by pressing the buttons ℹ, ✂ and SOS ››› Fig. 48:

- information call
- assistance call
- emergency call service.

A built-in control unit establishes the connection.

When a voice service is activated, a connection is established with a phone line.

### Control lamp

There is a control lamp on the control ››› Fig. 48 (arrow). It shows the following statuses:

- **Off:** the eCall service is not available.
- **Flashes in red, approx. 20 seconds after swing on the ignition:** the eCall service is deactivated.
- **Lights up red:** system failure. The eCall service is available with certain restrictions. SEAT suggests going to a specialised workshop.
- **Lights up green:** the eCall service is available. The system works correctly.
- **Flashes green:** There is an ongoing voice connection.

### SOS Emergency call service[1)]

The automatic emergency call is only activated if the ignition is switched on.

If the airbags or, if applicable, the seatbelt tensioners are triggered, a connection is automatically established with the emergency coordination centre. The automatic emergency call **cannot** be interrupted by pressing the button SOS ››› Fig. 49 ①.

If the emergency coordination centre's questions are not answered, the corresponding assistance measures are implemented.

The person on the other end of the line uses the language of the country in which you are driving.

### Starting an emergency call manually

- Briefly press the button cover SOS and open the cover ››› Fig. 49.
- Press and hold the emergency call button for a few seconds ››› Fig. 49 ①. The emergency call is activated and a voice connection is established with the emergency coordination centre.

If you press the emergency call button inadvertently, hang up the call immediately:

- Press the emergency call button again until the control light stays green.

### Integrated battery

The integrated battery ensures that the emergency call system (eCall) remains available for some time even if the 12-volt battery has been disconnected or has failed.

If the integrated battery discharges or is defective, a message stating this is displayed on the instrument cluster display. Go to a specialised workshop and ask for the battery to be replaced.

### EDR data transmission ››› page 385

When an emergency call is made, the legally required data is transmitted to the emergency coordination centre so that the necessary assistance measures can be determined.

Vehicle location data is continuously overwritten. This means that the vehicle is not subject to permanent monitoring.

The data related to the emergency call is only processed to ensure the correct operation of the emergency call system (eCall). The system will automatically delete the data related to the call a few hours after the call is activated.

The sent data includes:

- The vehicle's current position at the time the emergency call is activated.
- Vehicle identification number (VIN)
- Type of vehicle and type of drive.
- Type of activation (automatic or manual).
- Type of call.
- Direction in which the vehicle was travelling at the time the emergency call was activated.
- Moment of the collision.
- Estimated number of vehicle occupants.

### Situations in which the emergency call service may be restricted

- The emergency call is made from an area with weak or no mobile and GPS signal, as well as e.g. tunnels, between very tall buildings, garages, underground walkways, mountains and valleys.

---

1) Only available in certain countries.

- The components of the vehicle required for the emergency phone call are damaged or do not get enough power.
- In some countries, the emergency call service may not be available and depending on the location of the vehicle, the control lamp LEDs, and even the operation of the different types of calls, could have a specific behaviour.

### Assistance call[1)]

With the breakdown call you can directly request specialised help in the event of a breakdown.

Parallel to the voice call, some vehicle data is transmitted, e.g. your current location.

### Information call[1)]

With a information call, a call is placed to the customer care service of SEAT. S.A.

**Note**

- **Breakdown service and information calls can incur an additional cost on your telephone bill.**
- **The operation of the eCall system, which is required by law, may be limited if an infotainment system is retrofitted.**

[1)] Only available in certain countries.

# High-voltage battery

## Safety instructions

### Introduction

*Valid for: hybrid vehicles*

**⚠ WARNING**

The vehicle's high-voltage network and the high-voltage battery are hazardous and can cause burns and other injuries, including fatal electric shocks.

- It should always be assumed that the high-voltage battery is fully charged and that all of its components are live. This may also be the case when the ignition is switched off.
- Never touch the high-voltage cables, the high-voltage battery or its poles, or allow them to come into contact with jewellery or other metal objects, especially if the high-voltage cables, the high-voltage battery or its poles are damaged.
- Never take it upon yourself to perform any type of work on the high-voltage network, on the high-voltage cables or the high-voltage battery.
- Never open or perform maintenance or repairs on components or parts of the high voltage network, or disconnect them from this network.
- Never damage, modify or remove the orange high voltage cables or disconnect them from the high voltage network.
- Never open, modify or remove the cover from the high-voltage battery.
- Work on the high-voltage system, as well as on any systems that may be indirectly influenced by it, should only be carried out by specialized personnel with the corresponding qualifications and training.
- Work in the immediate vicinity of high-voltage cables and high-voltage components with tools that are sharp, give off shavings or that have heat sources, such as hot air, thermal bonding or welding work, may only be performed after disconnecting the voltage. The high voltage should only be disconnected by specialized personnel with the corresponding qualifications and training.
- All SEAT guidelines and standards must be followed when performing any work on the high-voltage system and the high-voltage battery.
- The gases that are emitted or leaked from the high-voltage battery may be toxic or flammable.
- Damage to the vehicle or high voltage battery could cause an immediate or delayed leak of toxic gases. The emitted gases could also cause a fire. Do not inhale the gases.
- Never touch the liquids that spill from the high voltage battery and do not touch the emitted gases, particularly if the battery is damaged.
- In the event of a fire, leave the danger area and call the fire department.
- Always inform the fire fighters and the emergency service that the vehicle is fitted with a high-voltage battery.

**⚠ WARNING**

If works are performed on the high-voltage system and on the high-voltage components in an inappropriate manner, this may lead to faults in the operation, accidents and injuries.

- Work on the high-voltage system must only be performed by authorized specialized services with the corresponding permit.

**ⓘ NOTICE**

If the vehicle suffers an accident or collision with an obstacle, the high-voltage battery must be checked by specialized personnel with the corresponding qualifications and training.

**NOTICE**

**If the 12-volt vehicle battery has been disconnected, discharged or replaced, there is a chance that the combustion engine may not initially turn off automatically after moving off. If this situation lasts for several days, contact a qualified specialized workshop. SEAT recommends visiting a SEAT partner for this.**

## High voltage warning lettering

*Valid for: hybrid vehicles*

### Warning lettering on the vehicle

The following parts of the vehicle can be identified with the depicted warning lettering ››› Fig. 50, ››› Fig. 51, ››› Fig. 52 , ››› Fig. 53:

- Covers and lids behind which live high-voltage components are located.
- All the high-voltage components, including the high-voltage battery.
- Under the front bonnet.

**Fig. 50** Warning lettering.

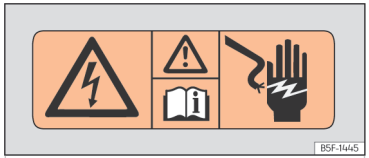


**Fig. 51** Warning lettering.

The warning lettering ››› Fig. 50 and ››› Fig. 51 indicate high electrical voltage.

**Fig. 52** Warning lettering.

The components of the high voltage system can become very hot and should not be touched ››› Fig. 52.

**Fig. 53** High-voltage battery warning lettering.

››› Fig. 53

1. High voltage can cause serious injury or even death. Never touch the battery poles with bare fingers, tools, jewellery or other metal objects.
2. The high-voltage battery contains hazardous liquid and solid substances. Emitted gases can cause severe burns and blindness. Suitable eye protection and protective clothing must always be worn when working on the high voltage battery to prevent battery fluid coming into contact with the skin and eyes. If the battery fluid comes into contact with the skin or eyes, the affected areas should be rinsed with clean running water for at least 15 minutes, and then a doctor should be consulted immediately.

③ The high-voltage battery may burn. The high-voltage battery should never be exposed to fire, sparks or naked flame. The high voltage battery must always be handled with care to avoid damage and fluid leakages.

④ The high-voltage battery should always be kept out of the reach of children.

⑤ You will find further information and warnings in the usage instructions and workshop documentation.

⑥ Incorrect handling of the high-voltage battery can cause serious injuries or death. Never disassemble the high voltage battery or remove its cover.

⑦ Maintenance work on the high-voltage battery must only be performed by specialized personnel with the corresponding qualifications and training. Never modify the high-voltage battery. When the high-voltage battery is open, ensure it does not come into contact with water or other liquids. Liquids may cause short circuits, electrical shocks and burns.

# Conservation of the high-voltage battery

## Conservation instructions

*Valid for: hybrid vehicles*

### Reliability and capacity of the high-voltage battery

In principle, lithium ion batteries are subject to ageing and wear and tear throughout their useful life due to their physical and chemical characteristics. Correct handling of the high-voltage battery makes an essential contribution to keeping it in a reliable state in the long term and to achieving high battery capacity and range. Therefore, it is extremely important to respect the following conservation instructions for the high voltage battery. These maintenance instructions are essential for maintaining the vehicle's value over time.

Please also observe the applicable SEAT warranty conditions for the high-voltage battery.

### Conservation instructions

SEAT recommends the following conservation instructions:

- If possible, charge the high-voltage battery when a low charge level is displayed on the instrument cluster, or when the electric range is low ››› page 20.
- It is advisable to not charging the high-voltage battery when only a short trip has been made in full electric mode.
- As much as possible avoid fully discharging the high-voltage battery, such as by leaving the vehicle parked for a prolonged time with a low load level. The charge level must not drop below 20% for long periods of time ››› ⓘ.
- When the high-voltage battery has been charged to 100%, start driving immediately if possible.
- As far as possible, keep the "Battery Care Mode" function active in the **General Charging Settings** ››› page 89 menu.

### Vehicle parking times

- If there is a frost, do not park the vehicle for several hours with a charge level of lower than 40% ››› ⓘ.
- If you plan to leave your vehicle stationary for prolonged periods of time, park with a charge level of at least 30%. This situation occurs, for example, when you leave your vehicle at the airport before a trip.
- Do not expose the vehicle to outside temperatures below -30 °C or above 60 °C for more than 24 hours.
- To improve comfort and performance, make sparse use of the stationary air conditioning (depending on the equipment), particularly in temperatures lower than -15 °C ››› page 156.

**ⓘ NOTICE**

**The high-voltage battery must not be used as a stationary power supply. This can cause irreversible damage to the high-voltage battery.**

**NOTICE**

**If the vehicle is parked for a long time with the high-voltage battery discharged, it may no longer be possible to charge the battery or start the vehicle. Irreversible damage could be caused to the high voltage battery in the long term.**

- **Charge the high-voltage battery at regular intervals.**

# Charging the high-voltage battery

## Introduction

*Valid for: hybrid vehicles*

Check that the drive system is deactivated and that the charging cable and infrastructure are in a perfect state of repair.

### Types of charging

The following charging types are possible for the vehicle:

- *Charging with alternating current (AC) at a public or home charging station* ››› **page 80**:

Charges at high power. The maximum achievable charging power depends on the charging station and charging cable that is used and the performance of the vehicle's charger.

- *Charging with alternating current (AC) at a household socket* ››› **page 80**:

The electrical installation of the house must have been checked and be in perfect working order ››› ⚠. Due to the large capacity of the battery and the low power of this method, a full charge will take more than 20 hours.

- *Charging with direct current (DC) at a fast charging station* ››› **page 81**:

It is the most powerful type of charge. The charging time diminishes significantly. Please note the information on charging frequently with direct current (DC) ››› ⓘ.

### Protection against current leakage

The vehicle is fitted with a direct current (DC) leakage protection device. This prevents any current leakage that may occur during charging from reaching the house's electrically installation through the charging cable.

**⚠ WARNING**

**If the battery is charged in an inappropriate manner, if no consideration is given to the appropriate safety measures or the high-voltage battery is used in an inadequate manner, this could lead to short circuits, electrical shocks, explosions, fires, burns and serious injuries, even death.**

- **Always respect the stipulated order of the operations to avoid the risk of suffering an electric shock or serious injuries due to the residual energy in the charging accumulator.**
- **Please observe the safety and handling instructions of the charging cable supplied with the vehicle** ››› **page 91**.
- **When charging, only use power sockets that are appropriately fitted, have been checked and are not damaged, as well as electrical installations that are in perfect working order. Duly qualified technicians should check the power sockets and the electrical installation on a regular basis.**
- **Never charge the vehicle in places where there is a danger of explosion. The components of the charging cable can cause sparks and, therefore, may ignite flammable fumes or explosives.**
- **Always protect the connectors from moisture and from water and other fluids getting inside directly.**
- **For safety reasons, never perform other works on the vehicle while charging.**
- **Always complete the charging process before unplugging the connector from the electrical network. Otherwise the charging cable and the electrical installation may also be damaged.**

**⚠ WARNING**

If the vehicle is driven with a very low a charge level of the high-voltage battery, the vehicle may stall in traffic, causing serious damage or accidents and injuries.

**NOTICE**

Fast charging with direct current (DC) uses very high power. Frequent use of fast charging can permanently reduce the charging capacity of the high-voltage battery.

- The battery should preferably be charged with alternating current (AC) from a public or home charging station.

**Note**

- To charge the high-voltage battery using alternating current (AC), SEAT recommends using a home charging station or another type of charging station and charging with maximum charging power. These charging options are more efficient than using a domestic power socket.
- Please note the technical data on your vehicle's charging power. For more information, please contact a SEAT dealer.

- The high-voltage battery can only be charged at charging stations that meet the requirements of the country in questions and at least one of the following standards:
  - IEC 61851 and IEC 62196 (Europe)
  - ISO 15118 (-1, -2, -3)
- In the event of very low or very high temperatures, it may only be possible to charge the high-voltage battery in a limited manner.

## Identification of compatible charging infrastructure

*Valid for: hybrid vehicles*

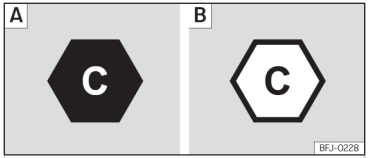


**Fig. 54** Identification of alternating current (AC) and type 2 connector.

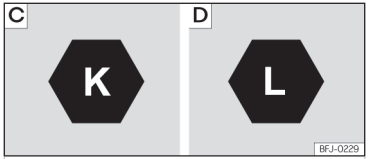


**Fig. 55** Identification of direct current (DC) and the vehicle's CCS connector

### Compatibility between vehicles and charging infrastructure

The following indicators according to the EN 17186 standard provide information about whether the infrastructure's charging connectors are suitable for the vehicle ››› ⚠.

**Indicators ››› Fig. 54**

A In the vehicle

B At the charging station

**Indicators ››› Fig. 55**

C Voltage up to 500 volts

D Voltage of up to 1000 volts.

The indicators are located on the vehicle's charging socket, on components of the local charging infrastructure (charging station, socket) and on the charging cable. The indicators refer to charging connection standards according to IEC 62196.

**⚠ WARNING**

**Charging the vehicle at unverified electrical installations can cause serious injury and damage.**

- **If there is no indicator or if the charging infrastructure is unknown, an electrical installation expert should be consulted first.**

## Charging with alternating current (AC)

*Valid for: hybrid vehicles*

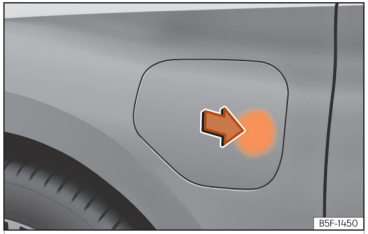


**Fig. 56** Opening the charging socket cover.

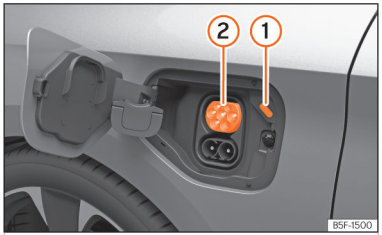


**Fig. 57** Behind the battery charging cover on the front left-hand side: Charging socket

**››› Fig. 57**

1 Charging process display

2 Charging socket

The battery charger installed in the vehicle converts alternating current from the public supply into direct current.

*AC charging station or socket cable*: The vehicle's high-voltage battery can be charged using alternating current (AC) through the corresponding charging socket 2.

### Connecting the charging cable

- Firstly, connect the charging cable to the socket, or public or home charging station. Next, fully unwind it.
- *Charging cable for domestic power sockets*: The protection device performs a self-test **››› page 93**.
- With the vehicle unlocked, the battery charging cover opens when the indicated zone is pressed **››› Fig. 56**.
- Plug the charging connector into the charging socket. Check that the charging connector is fully plugged in.

The connector locks automatically.

The LED (charging process indicator) of the charging socket 1 flashes or flashes white **››› Fig. 57** , **››› page 83**.

You can set the charging as required in the infotainment system **››› page 88**.

### Automatic start of the charging process

If programmed charging is not activated, the charging process starts immediately ››› page 86. The external charging infrastructure must be active.

Most public charging stations require authentication to start the process. It is important to verify that the authentication has been performed correctly, otherwise it could cause a system malfunction.

### During the charging

The charging process indicator on the charging socket (1) flashes green. The charging connector is locked.

If the charging process indicator lights up red, there is a fault ››› page 83.

### Interrupt the charging process

The charging process can be interrupted:

- Unlock the vehicle.
- Press the **Stop charging** function button of the infotainment system. The charging process indicator located next to the charging socket (1) lights up white. If you want the charging connector to unlock automatically, the **Release connector automatically** setting must be selected in the charging settings ››› page 86.
- Press the **Continue** button to restart the process. The charging connector locks. In some cases you may need to authenticate yourself again in the charging station.

To restart the charging process just press the function button to start the charging process.

### After charging

When the high-voltage battery is fully charged, the charging process display on the charging socket lights up green.

- Unlock the vehicle.
- Unplug the charging connector from the charging socket within 30 seconds.
- **OR:** if **Release connector automatically** is activated in the charging settings ››› page 86, the charging connector automatically unlocks once the charging process is complete.
- Disconnect the charging cable from the power supply and replace the protective cap.
- Close the charging cover and make sure you hear it click into place.

## Charging with direct current (DC)

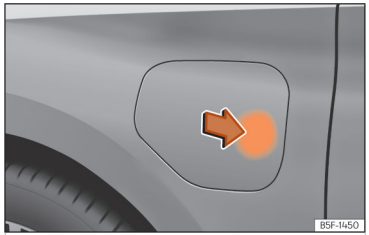


**Fig. 58** Opening the charging socket cover.

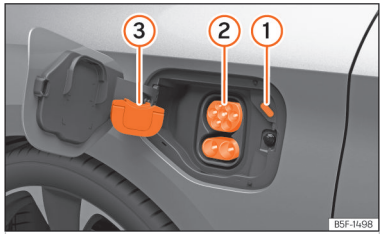


**Fig. 59** Behind the battery charging cover on the rear right-hand side.

(1) Charging process display
(2) Charging socket
(3) Protective cap

The alternating current is converted into direct current outside the vehicle. A considerably higher charging power is achieved than when charging with alternating current (AC).

*Public fast-charging station*: The high-voltage battery can be charged with direct current (DC) at an appropriate charging station. The charging time diminishes significantly.

Use a charging cable less than 30 metres long.

### Connecting the charging cable

- Unlock the vehicle.
- Press the battery's charging socket cover in the area of the arrow to open it ››› Fig. 58.
- Remove the protective cap and hang it on the hook ››› Fig. 59 ③
- Plug the charging station's charging connector into the charging socket ››› Fig. 59 ②

The connector locks automatically.

The LED (charging process indicator) of the charging socket flashes or flashes white ››› Fig. 59 ① ››› page 83

### Automatic start of charging

Switch on the charging station ››› ⓘ.

The charging process will start immediately.

Most public charging stations require authentication to start the process. It is important to verify that the authentication has been performed correctly, otherwise it could cause a system malfunction.

### During the charging

The charging process indicator on the charging socket ① flashes green ››› Fig. 59.

If the charging process indicator lights up red, there is a fault ››› page 83.

### Interrupt the charging process

The charging process can be stopped before the desired state of charge is reached:

- Tap the **Stop charging** function button on the infotainment system screen. The charging process indicator located next to the charging socket ① lights up white ››› Fig. 59. The charging connector is unlocked.

### After charging

When the desired state of charge has been reached, the charging process indicator on the charging socket will light up green.

After charging, the charging connector is automatically unlocked from the charging station if the **Release automatic connector** option is activated in the charging settings.

- Unplug the charging connector from the charging socket.
- Place the protective cap on the charging socket's lower connection ③ ››› Fig. 59
- Close the cover of the battery charging socket until you hear it has engaged.

**ⓘ NOTICE**

**To use the charging station, bear in mind the manufacturer's indications and usage instructions.**

## Charging process display

*Valid for: hybrid vehicles*

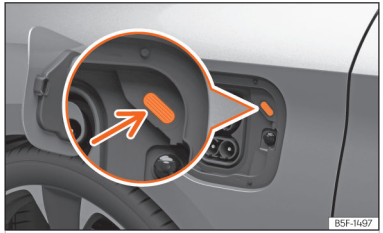


**Fig. 60** Behind the battery charging socket cover: charging process indicator.

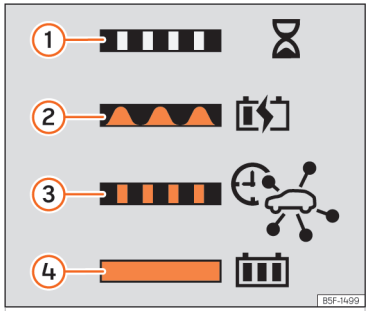


**Fig. 61** On the inside face of the cover of the battery charging socket: sticker with information on the charging process display.

An LED light on the charging socket ››› Fig. 60 (arrow) shows the status of the charging process.

A sticker on the battery charging cover provides information on the meaning of the LEDs ››› Fig. 61.

### Charging process displays:

#### The LED flashes

- The vehicle has detected the charging connector.

#### White LED

- (1) Flashing: establishment of communication between the vehicle and the charging infrastructure. The charging process is being prepared.
- Permanently on: no active charging function

#### Green LED

- (2) Flashing: the high-voltage battery is charging.
- (3) Flashing: delayed charging is activated. The charging process has not yet started.
- (4) Permanently on: the charging process has completed without any problems.
- Flashes red: emergency charging at reduced power due to a failure to recognize the charging connector.

#### Red LED

- Permanently on: there is a fault in the system. The charging process cannot start or has been interrupted.

Get specialist assistance if the charging process indicator permanently indicates a defect.

### Charging socket lighting

In the dark, the charging socket's side lighting (white LED) can facilitate orientation in the vehicle:

*On*

- The vehicle has been unlocked.
- **OR**: The charging connector has been unplugged from the charging socket.

*Off*

- After unlocking or locking the vehicle, the lighting switches off automatically after a while.

### Charging process indicator lamp

During the charging process, the lamp is displayed on the instrument cluster screen.

White indicator: connector plugged in, no charging process active.

Green indicator: connector plugged in, charging process active.

## Troubleshooting

*Valid for: hybrid vehicles*

**The electrical system is not working properly. Stop safely!**

The warning lamp lights up red. A message is displayed in this regard.

There is a fault in the high voltage system. The high voltage components may be damaged ››› ⚠.

It is not possible to charge the high-voltage battery.

- **The vehicle must be parked in a safe place**. Park the vehicle outdoors as soon as it is possible and safe to do so.
- Switch off the drive system.
- Seek professional assistance.

**and HV battery: Risk of fire! Stop safely and exit the vehicle as soon as possible. Emergency services!**

The warning lamp ⚠ lights up red and is displayed along with with a text message on the instrument cluster accompanied by a continuous audible warning.

The high voltage battery temperature is too high ⚠.

If this message is displayed on the instrument cluster, please note ››› ⚠ and follow the steps below:

- **Stop driving!** Stop the vehicle immediately, taking into account the traffic situation.
- Choose a safe place outdoors, away from buildings or vehicles, canopies, covered car parks or similar places.
- If possible, switch on the hazard warning lights.
- Before leaving the vehicle, make sure it is immobilised (parking brake, parking lock **P**).
- Switch off the ignition and leave the ignition key on the dash panel or in a visible place so that the emergency services can use it (for example to recover the vehicle from a hazardous area).
- Exit the vehicle and make sure that there are no other people or animals left inside.
- Make sure that you leave the danger zone together with all other occupants of the vehicle and that everyone remains in an area that is protected from traffic (e.g. behind the guard rail).
- Notify the emergency services. Do not try to put out the fire yourself.

If the message is hidden, the warning lamp remains visible.

The audible warning can only be turned off by a qualified workshop. SEAT recommends that you visit an official dealer.

**⚠ WARNING**

**If there is a risk of fire in the high-voltage battery, toxic gases may escape or components may be released from the high voltage battery. There is a risk of serious injury, burns or lethal electric shocks.**

- **Park the vehicle safely as soon as possible** ››› **page 72, *Behaviour in the event of an accident or fire*.**
- **Get out of the vehicle and keep a safe distance away from it.**
- **Call the fire department immediately.**

**Deep discharge of the high-voltage battery due to prolonged parking time**

The control lamp lights up red. A message is displayed.

The high-voltage battery can be damaged if, for example, the vehicle is not used for a long time.

- Charge the high-voltage battery immediately.

**High voltage battery discharged**

The control lamp switches on yellow. A message is displayed.

- Charge the high-voltage battery immediately.

### Low state of charge in the high-voltage battery

The control lamp switches on yellow. A message is displayed showing the remaining range.

The high-voltage battery charge has reached the reserve level.

- Charge the high-voltage battery.

### Range calculation fault

The control lamp switches on yellow. A message is displayed.

There is a fault in the range calculation. Contact a specialised workshop.

### The charging process is not possible or has been paused

The charging process indicator located next to the charging socket lights up red.

Before visiting a specialist workshop, you can try the following solutions:

- Plug the charging cable back in.
- Check that the charging connector is plugged in correctly.
- Check if a fault is displayed on the charging station or, depending on the equipment, on the charging cable protection device.

If the fault cannot be rectified, contact a specialist workshop immediately.

### The charging cable protection device disconnects

If electrical devices with a separate electrical connection, e.g. a cool box, are used in the vehicle at the same time, the self-test of the protective device may detect a fault.

- Please note the order! First connect the charging cable to the external power supply and then to the charging socket.

### The charging time varies

During the direct current (DC) charging process, the charging current is reduced automatically to preventing the high-voltage battery from overheating.

After several fast charging processes in a row, the charging time is temporarily extended.

**⚠ WARNING**

**High-voltage components, including the battery and high-voltage cables, may be live and damaged. The high voltage system voltage is dangerous and can cause burns, other injuries and fatal electric shocks.**

- **Do not touch the high voltage components!**

## Emergency release of the charging connector

*Valid for: hybrid vehicles*

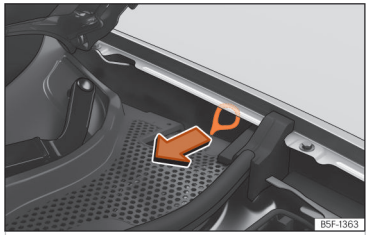


**Fig. 62** Between the left wing panel and the engine bonnet hinge: Charging connector manual release mechanism puller.

### Unlocking the charging connector

Prerequisites:

- The charging connector is plugged in correctly.
- The vehicle is unlocked.
- The charging process has ended or has paused ››› page 78.
- When charging with alternating current (AC), the setting **Release connector automatically** is activated in the infotainment system. ››› page 86.

The manual release mechanism must be used if these prerequisites are met and it is still impossible to unplug the charging connector ››› ⚠

### Emergency electrical release of the charging connector

To avoid having to perform a manual emergency release, try releasing the charging connector electronically using the vehicle's central locking.

- Unlock the vehicle three times in a row.
- Unplug the charging connector.

### Manual release of the charging connector

The puller for the manual release mechanism is on the left hand side of the engine compartment, above the charging socket ››› Fig. 62.

- Disconnect the power supply at the charging station or electrical socket.
- Open the bonnet and make sure it is held in place with the prop.
- Pull the puller ››› Fig. 62.
- Immediately unplug the charging connector.

**⚠ WARNING**

**If the charging connector unexpectedly remains locked, the fault may be caused by the vehicle or charging station.**

**The manual emergency release can make live contacts accessible. In this case, touching the contacts of the charging socket may result in burns, other injuries or a fatal electric shock.**

- **Never touch the contacts of the charging socket or the charging connector.**

**Note**

**The manual release mechanism of the charging connector should only be used in the event of a failure.**

# Charging settings

## Introduction

### Immediate charging

The high-voltage battery can be charged without further configuration and according to the available charging option ››› page 80 , ››› page 81.

1. Plug in the charging cable A charging information screen opens in the infotainment system. The charging process starts automatically.
2. Set the maximum battery charge level for the desired range in the Infotainment system.

### Advanced charging configuration

Individual AC charging settings for your desired location, e.g. at your home, office or charging station, are available if a charging location (from now on **Schedule**) has been created in the Infotainment system.

1. Select: ⊞ > **Charging**.
2. Store the current charging location in the **Schedule** menu ››› page 90.

   If you want to performed programmed charging, establish and activate a departure time ››› page 90.
3. Make further adjustments if desired.

**Note**

**If no start time has been activated, the high-voltage battery charges to the maximum charge level.**

### Changing the charging mode

The available charging modes can be selected via a drop-down list in the **Charging** menu or in the departure menu ››› page 42.

The available charging modes depend on the **Schedule** configuration and the technical requirements at the location.

## Overview

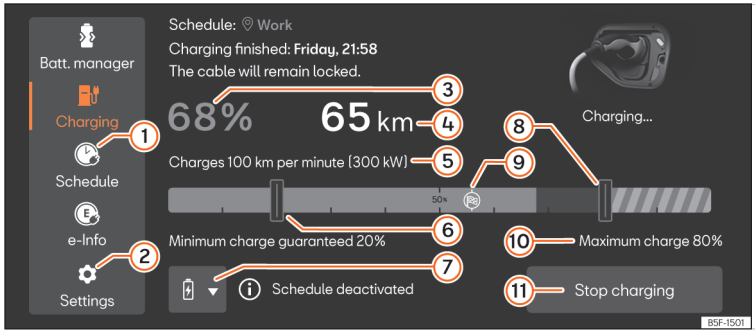


**Fig. 63** In the infotainment system: Charging main menu.

### Indications in the Charging main menu

Some of the following indications are only available when a charging schedule is active ››› page 90.

1. Charge scheduling.
2. General charging settings ››› page 89.
3. Current state of charge of the high-voltage battery.
4. Current electric range.
5. Charging speed and power: the increase in range per hour or per minute when charging at the current charging power is displayed. The charging power depends on the charging infrastructure and the temperature of the high-voltage battery. The charging power can vary during the process.
6. Minimum charging level. Only visible with an active charging mode, based on a schedule (not visible in immediate charging mode). Allows the minimum charging level to be changed. If a destination is set, it suggests the minimum charging level to reach the destination ››› page 89.
7. Charging mode selector based according to the schedule for the vehicle's current position. Displayed only if a schedule has been previously set up. Provides extra information about the schedule ››› page 90.
8. Touch pad for adjusting the maximum charging level of the battery ››› page 89.
9. Navigation symbol with planned charging stops: the maximum charging level is automatically adjusted for the next suggested stop.
10. Maximum set battery charging level ››› page 89.
11. End the charge or restart it. Visible during an active charging process.

### Instructions for plugging in the charging connector

Information on the current charging process is displayed in the infotainment system.

Close the screen:

- Press the ✕ function button.
- **OR:** the display ends automatically after 2 minutes.
- **OR:** lock the vehicle.

## Configuration in the Settings menu

### Open the General charging settings menu

1. Open the main **Charging** menu.
2. Press the ⚙ button (2).

### Settings in unknown locations

- Reduce the AC charging power: the charging current is reduced to 6 or 8 amps depending on the country. With this setting you can reduce mains overload when charging at a socket.
- Release the AC power cable: After the charging process is complete, the connector releases automatically.

### Battery Care Mode function

The function automatically limits the maximum charge level to 80% for subsequent charges. If it is necessary to charge to over 80% and this is configured, the next charge will automatically be limited to 80%.

**Note**

- **The programmed charge configuration prevails over the "Battery Care" configuration (the maximum charge level is not automatically reset).**
- **SEAT recommends using the Battery Care Mode function in daily use to prolong the life of the high-voltage battery.**

## Set the battery charging limits

The infotainment system can be used to adjust the maximum and minimum charge level and thus the vehicle's range to suit daily needs.

### Maximum battery charging level

Normally, if you use the vehicle regularly, it is not necessary to fully charge the high-voltage battery. The maximum charging level limits the battery's maximum state of charge.

- Move the touch slider to the desired value in the infotainment system's charging settings ››› page 88.

The maximum charging level can also be adapted during charging.

### Minimum charging level of the battery

The minimum charging level sets the minimum state of charge for a saved schedule. This function can be used to guarantee a minimum range.

- In the infotainment system select: ⊞ > **Charging**.
- Set the minimum charging level in the schedule.

After connecting the electricity, first of all the vehicle charges up to the battery's minimum charging level. The preferred times or a departure time, for programmed charging, will only be taken into account once this limit is reached.

### Examples for charging with alternating current (AC)

For AC charging, SEAT recommends the following settings:

*Everyday use - Long range is not necessary*

- Maximum battery charging level: 80% maximum.
- Minimum battery charging level: 20% as a minimum if the outside temperature is mild or warm, or 40% if it is cool or cold.

*Long distance travel - Long range required*

- Maximum battery charging level: 100%.
- Minimum battery charging level: 20% as a minimum if the outside temperature is mild or warm, or 40% if it is cool or cold.
- Avoid leaving the vehicle parked and start driving immediately after charging the battery.

## Set charging locations (Schedule)

You can create schedules associated with charging locations in the infotainment system. The vehicle recognises a saved charging location when it is there, and uses the available settings when charging.

### Location data

The infotainment system uses the current location data (geographical coordinates) of the vehicle when you create or use a schedule.

### Create a schedule

- In the infotainment system select: ⊞ > **Charging**.
- Press **Schedule**.
- Add the charging location and give it a name (maximum of 5).

### Delete a schedule

- In the infotainment system select: ⊞ > **Charging**.
- Press **Schedule**.
- Press the ✎ function button.
- Press the function button 🗑 to delete the saved schedule.

### Settings

- For immediate charging in the current schedule, activate the corresponding function in the departure menu ››› page 42 or in the charging modes selector located in the **Charging** menu.
- Departure time ››› page 90
- Reduce the AC charging power: the charging current is reduced to 6 or 8 amps. With this setting you can reduce the mains overload when charging at a socket.
- Release the AC power cable: After the charging process is complete, the connector releases automatically.
- Minimum battery charging level from 0-50% ››› page 89.
- Maximum battery charging level from 50-100% ››› page 89.
- Preferred times. Activating this charging mode can be helpful when there are other electrical consumers in the household or when you prefer to charge during cheaper time periods.
- Display address or geographical coordinates

**Note**

**All charging settings stored in the schedule always apply to the currently recognised charging location.**

## Departure time settings

When a charging location has been created, the high-voltage battery can be charged for a certain time.

### Set the departure time

- In the infotainment system select: ⊞ > **Charging**.
- Press **Schedule**.
- Open the profile of a charging location.
- Set a departure time (maximum of three per location).
  - Days of the week.
  - Time at which the high-voltage battery should be charged.
  - Use once or weekly.

### Air conditioning

The vehicle interior is cooled or heated for the departure time by the stationary air conditioning. The operation depends on the equipment.

- Set the desired temperature in the **Stationary air conditioning** ››› page 156 menu.
- Select the **Charge and air conditioning prior to departure** function from the drop-down list of charging modes.

### Activate a departure time

- Press **Schedule**.
- Open the profile of a charging location.
- Activate the departure time by checking the checkbox ✓.
- Select the desired programmed charging mode on the charging mode selector.

### Displays

The departure time is used weekly.

**Note**

**The departure menu remembers the active charging mode and gives the option to modify it** ››› page 42.

# Charging cable

## Introduction

*Valid for: hybrid vehicles*

The type of charging cable supplied with the vehicle basically depends on the technical specifications of each country, e.g. charging connector connections for sockets.

SEAT recommends **exclusively** using the supplied charging cable.

### Notes on the charging cable

- Handle with care.
- Unroll and roll fully.
- Do not twist or bend it over sharp edges.
- Do not crush it or drive the vehicle over it.
- Always unplug it by pulling on the connector.
- Children should not use the charging cable.
- Keep animals away from the charging cable.
- After use, store it safely and without twisting it.

### Notes on charging connectors and the charging cable protection device

- Do not touch the charging connector's contacts.
- Protect from strong sunlight (outside temperatures no higher than 50°C or 122°F).
- Do not drop them.
- Protect from immersion in fluids such as rain water.
- Fit the protective caps after each use.

### Cleaning the charging cable

Clean the surface of the charging cable with a dry or slightly damp cloth ››› ⚠, ››› ⓘ.

**⚠ WARNING**

**Items that are not secured, or incorrectly secured can cause serious injury during sudden manoeuvres or braking, or in the event of an accident.**

- **Store the charging cable securely in the luggage compartment.**
- **Use the organizer/protective cover provided with the cable for this purpose.**

**⚠ WARNING**

**Using a charging cable that has been damaged or tampered with can cause serious injury and fatal electric shocks.**

- **Before each use check that the connectors and the charging cable are undamaged, e.g. check for cracks.**
- **Never disassemble the charging cable or its components.**
- **Never use a charging cable that is damaged or has been tampered with.**
- **If the charging cable does not work properly, get a SEAT dealer to check it.**

**⚠ WARNING**

The charging cable for electrical sockets must always be connected directly to an electrical socket. Failure to do so could result in fire damage and damage to the charging cable or home electrical installation.

- Never connect the charging cable to an extension lead, cable reel, power strip or adapter or timer.

**⚠ WARNING**

The high voltage system voltage is dangerous and can cause burns, other injuries and fatal electric shocks.

- Only clean the charging cable when it is unplugged.

**NOTICE**

Seek information regarding the appropriate charging cable and the maximum permitted charging current before travelling abroad. If possible, use the charging cable supplied in the country in question.

**NOTICE**

The charging cable, as portable electrical equipment, may have to be checked periodically. This requires a test adapter.

**NOTICE**

The charging cable can be damaged if not cleaned properly.

- Only water should be used for this purpose, and never additional cleaning products.
- Water should be prevented from getting into the contacts.

**For the sake of the environment**

Charging cables must be disposed of in an environmentally friendly way and should not be thrown in the household waste.

**Note**

The maximum charging capacity of the safety circuit that is used must be observed. If the charging cable is planned into an electrical socket on the same circuit as other consumers, the circuit's fuses may trip.

## Charging cable for alternating current (AC) charging stations

*Valid for: hybrid vehicles*

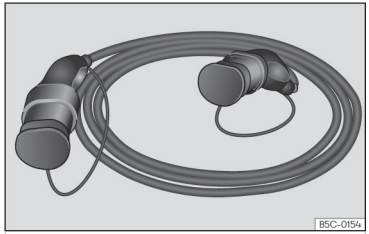


**Fig. 64** Charging cable for alternating current (AC) charging stations.

The maximum charging current is 16 or 32 amps, depending on the vehicle's features and the charging cable that is supplied ››› ⚠.

**⚠ WARNING**

Charging the high-voltage battery with an inappropriate charging cable could cause short circuits, serious injuries and fatal electrical shocks.

**⚠ WARNING**

The charging cable should not be used as an extension lead. The charging process could be affected.

**NOTICE**

Follow the manufacturer's instructions and indications when using the charging station.

**Note**

**Charging with a charging cable for 16 A is not possible at some charging stations that support 32 A. This depends on the charging station's equipment.**

- **Before charging the vehicle, find out about the available charging technology.**

## Charging cable for power sockets

*Valid for: hybrid vehicles*

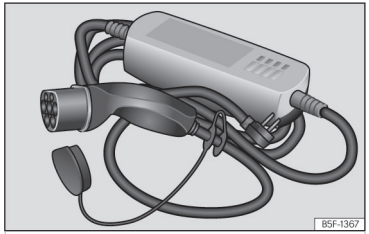


**Fig. 65** Charging cable for electrical sockets

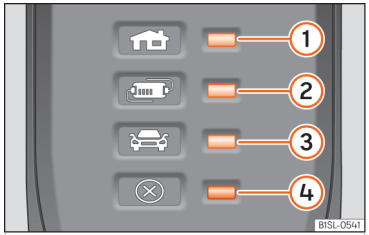


**Fig. 66** On the charging cable for power sockets: Indicator lamps on the protection device.

››› **Fig. 66**:

1. Indicator lamp of the connector and the power supply.
2. Control lamp of the protection device
3. Control lamp of the vehicle
4. Failure warning lamp

### Charging cable information

Before using the charging cable, also follow the instructions displayed on it and on the rear of the protective device.

### Protection device

The electronic protection device ››› **Fig. 66** ensures that the charging connector does not receive current until it is plugged in to the vehicle's charging connector.

### Self-check

When the charging cable is plugged into the electrical socket, the protective device automatically performs a self-test. During this check, all warning and indicator lamps turn on briefly and go out one after the other. Upon completion, the operational status at that time is displayed.

### Operating displays

One or more control lamps ››› **Fig. 66** 1, 2 or 3 light up green.

| Display ››› Fig. 66 | Meaning |
|---|---|
| 1 ignition | The charging cable is plugged into the mains |
| 1, 2 on, 3 flashes slowly ››› page 93 | The high-voltage battery is charging. |
| 1 2 and 3 on | The charging process is complete. The high-voltage battery has charged. |

### Set the charging current

The charging cable limits the charging current according to the available power supply.

If the local mains supply does not allow charging at the maximum charging current, the charging current can be reduced, depending on the charging setting features in the infotainment system ››› page 90.

### Temperature control

The charging cable temperature control switches on when the charging cable overheats, such as when it has been stored in a luggage compartment exposed to high temperatures or strong sunlight.

| Display ››› Fig. 66 | Meaning |
|---|---|
| ①, ④ flashing | The housing connector has overheated. |
| ②, ④ flashing | The protection device has overheated. |

If the charging process continues with a lower current, both the operating indicator and the warning lamp ››› Fig. 66 ④ flash red.

- Unplug the charging cable from the mains and wait for it to cool down.
- If it disconnects again, or the charging current reduces and the cause does not seem to be exposure to an external heat source, make sure that the green control lamp is flashing ››› Fig. 66. To check the charging cable, please visit a SEAT dealer. Get an establishment that specialises in electrical installations to check the infrastructure connection.

### Fault display

If the red warning light ④ flashes or turns on without one of the indicator lamps ››› Fig. 66 ①, ② or ③ also turning on continuously on the status indicator, there is a fault.

| Display ››› Fig. 66 | Meaning |
|---|---|
| ① flashing, ④ on or flashing | Failure in the power supply. |
| ② flashing, ④ on or flashing | Failure in the protection device. |
| ③ flashing, ④ on or flashing | Failure in the vehicle. |

The charging process pauses or is cancelled.

- Check the instructions located on the back of the protective devices.
- Seek professional assistance if the fault persists.

**Note**

**If there is any other mains connection during the charging process, or if the vehicle is right next to the high voltage cables, charging from an electrical socket is not possible in some cases. Additional mains connections:**

- **Connecting a 12 volt battery charger.**
- **Contact with a work tool connect to the mains, such as a vehicle lift.**

# Opening and closing

## Set of vehicle keys

### Vehicle key

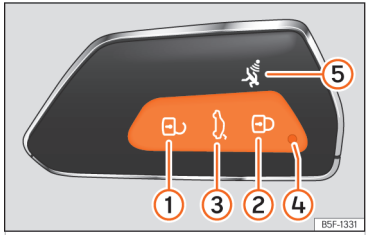


**Fig. 67** Vehicle key

**Fig. 68** Centre console (with automatic transmission): vehicle key housing.

(1) Unlocks the vehicle.

(2) Locks the vehicle.

(3) Unlocks only the rear lid.
Press the button until all the turn signals on the vehicle flash briefly.
You have 2 minutes to open the rear lid. Once this time has passed, it will lock again. In addition, the lamp on the key flashes.

(4) Control lamp.

(5) Alarm button. Only press in the event of an emergency! When the alarm button is pressed, the vehicle's sounds and the turn signals light up for a short time. Press again to disconnect.

The vehicle can be locked and unlocked from a distance using the vehicle key ››› page 102.

The vehicle key includes an emitter and battery. The receiver is in the interior of the vehicle. The range of the vehicle key with remote control and new battery is several metres around the vehicle.

If it is not possible to open or close the vehicle using the remote control key, this should be re-synchronised ››› page 97 or the battery changed ››› page 97.

Different keys belonging to the vehicle may be used.

#### Control lamp on the vehicle key

When a button is pressed briefly on the vehicle key, the control lamp (4) ››› Fig. 67 flashes once briefly, but if pressed for a long period of time, it will flash several times, for example, in the convenience opening.

If the vehicle key control lamp does not light up when the button is pressed, replace the key's battery ››› page 97.

#### Key socket

Depending on the version, there is a housing for the key close to the start button ››› Fig. 68.
**Warning!** Do not confuse with the location for the emergency start ››› page 168.

#### Spare key

To obtain a spare key and other vehicle keys, the vehicle chassis number is required.

Each new key contains a microchip which must be coded with the data from the vehicle electronic immobiliser. A vehicle key will not work if it does not contain a microchip or the microchip has not been encoded. This is also true for keys which are specially cut for the vehicle.

The vehicle keys or new spare keys can be obtained from a SEAT Official Service, a specialised workshop or an approved key service qualified to create this kind of key.

New keys or spare keys must be synchronised before use ››› page 97.

**⚠ WARNING**

- Never leave children or disabled persons in the vehicle. In case of emergency, they may not be able to leave the vehicle or manage on their own.
- An uncontrolled use of the key by third parties could activate a piece of electrical equipment (e.g. electric windows), with the resulting accident hazard. The vehicle's doors can be locked with the remote control key, making it difficult to get help in an emergency.
- Never forget the keys inside the vehicle. An unauthorised use of your vehicle could result in injury, damage or theft. Therefore always take the key with you when you leave the vehicle.

**NOTICE**

All of the vehicle keys contain electronic components. Protect them from damage, impacts and humidity.

**Note**

- Only use the key button when you require the corresponding function. Pushing the button unnecessarily could accidentally unlock the vehicle or trigger the alarm. It is also possible even when you are outside the radius of action.
- Key operation can be greatly influenced by overlapping radio signals close to the vehicle working in the same range of frequencies, for example, radio transmitters or mobile telephones.
- Obstacles between the remote control and the vehicle, bad weather conditions and discharged batteries can considerably reduce the range of the remote control.
- If the buttons of the vehicle key are pressed or one of the central locking buttons ››› page 103 is pressed repeatedly in short succession, the central locking briefly disconnects as protection against overloading. The vehicle is then unlocked. Lock it if necessary.
- Spare remote control keys are available at your Technical Service, where they must be matched to the locking system.

## Pull out the key blade

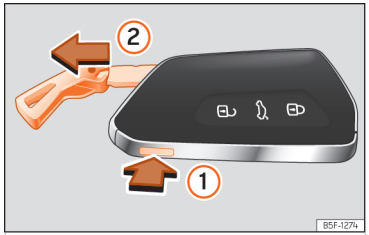


**Fig. 69** Vehicle key: remove the key shaft.

The central locking remote control has the key blade inside it for use in case of emergency locking/unlocking of the driver's door ››› page 107.

- Press the ››› Fig. 69 (1) button to release the ring from the key fob and remove the key blade (2). Pressing lightly on the ring leaves it fixed as a key fob.
- Press the ››› Fig. 69 (1) button to unlock. Press and hold button (1) and at the same time pull on the ring in the direction of arrow ››› Fig. 69 (2) to completely remove the key shaft.

## Changing the battery

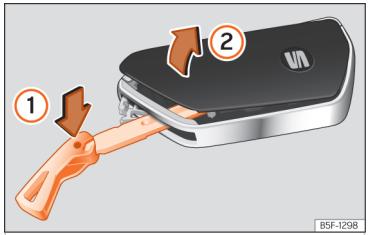


**Fig. 70** Vehicle key: open the battery compartment cover.

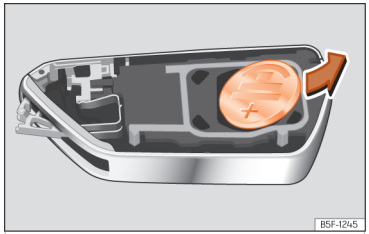


**Fig. 71** Vehicle key: removing the battery.

SEAT recommends you ask a specialised workshop to replace the battery.

The battery is located to the rear of the vehicle key, under a cover.

### Changing the battery

- Remove the key blade from the vehicle key ››› page 97.
- Insert the key blade into the slot ››› Fig. 70, press it in the direction of arrow (1) and detach the cover by levering it (2).
- Remove the battery from the compartment with a suitable fine object ››› Fig. 71.
- Insert the new battery and press it into the battery compartment ››› ⓘ.
- Place the cover and press it into the vehicle key housing until it clicks into place.

**⚠ WARNING**

**Swallowing a battery with a 20 mm diameter or any other button battery can cause serious and even fatal injuries within a very short time.**

- **Keep the vehicle key and key fobs with batteries out of reach of children.**
- **If you suspect that someone may have swallowed a battery, seek immediate medical attention.**

**ⓘ NOTICE**

- **If the battery is not changed correctly, the vehicle key may be damaged.**
- **Use of unsuitable batteries may damage the vehicle key. For this reason, always replace the dead battery with another of the same voltage, size and specifications.**
- **When fitting the battery, check that the polarity is correct.**

**For the sake of the environment**

**Please dispose of your used batteries correctly and with respect for the environment.**

## Synchronize the vehicle key

If the 🔒 button is pressed frequently outside of the vehicle range, it is possible that the vehicle can no longer be locked or unlocked using the key. In this case, the key must be resynchronised as described below:

- Stand next to the vehicle.
- Briefly press the 🔒 button on the vehicle key twice.

**OR**:

- Remove the emergency key ››› page 95.
- Press the 🔒 button on the key.
- Unlock the vehicle with the emergency key.

- Open the driver's door. If the vehicle is fitted with an anti-theft alarm, it will trigger immediately ››› page 105.
- Switch the ignition on. *Please note*: to turn on the ignition, place the vehicle key at the bottom of the central armrest box, as close as possible to the Kessy logo.

This completes the synchronization.

# Keyless Access system

## Locking and unlocking with the Keyless Access system

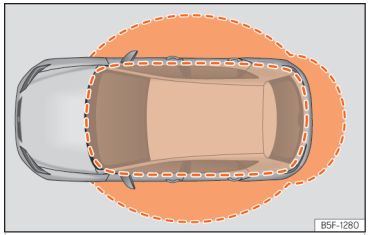


**Fig. 72** Keyless Access: proximity zones.

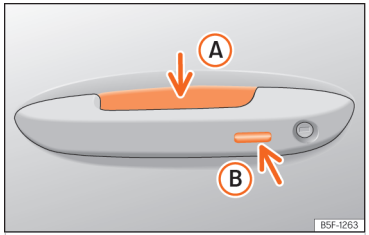


**Fig. 73** Door handle: sensor surfaces.

››› Fig. 73

(A) Unlocking sensor surface on the inside of the door handle.

(B) Locking sensing surface on the outside of the door handle.

Depending on the equipment, the vehicle may have the Keyless Access system. This is a keyless locking and starting system that can unlock and lock the vehicle without actively using its key. For this, it is only necessary that there is a valid vehicle key in the detection area corresponding to the attempted access to the vehicle.

### Configuring the Keyless Access system

The behaviour of the Keyless Access system can be adjusted in the **Vehicle settings** menu of the Infotainment system ››› page 40.

If the Keyless Access function is disabled, its operation is limited.

### Unlock the vehicle

- Touch the sensor surface on the inside of the handle (A). All turn signals flash *twice*.

If selective opening is fitted, touching the sensor's surface twice unlocks the entire vehicle.

If the vehicle is not unlocked for an extended period, the function is deactivated. The function will reactivate the next time that the vehicle is unlocked with the remote control.

### Lock the vehicle

- Park the vehicle.
- Touch the sensor surface (B) ››› Fig. 73 on the outside of the door handle. All turn signals flash once.

To check that the vehicle is properly locked, the unlocking function is deactivated for a few seconds.

### Vehicle locking when walking away

The vehicle may lock automatically when when you walk away from it. The following conditions must be met simultaneously:

- The function is active in the infotainment system.
- All vehicle keys are outside the locking area.

All turn signals flash once when automatic locking has been performed successfully.

Automatic locking will not occur if there is another vehicle key in the vehicle.

*One-time deactivation of automatic locking:*

1. Press and hold the button for more than 2 seconds with the door open.

   Automatic locking will not be available until the next time the vehicle is intentionally locked.

   The vehicle is only locked if all doors and the rear lid are closed. If this option has been activated in the vehicle settings, an audible warning may be heard to indicate that a door is open.

In vehicles fitted with the "Safe" security system, when the vehicle is locked when walking away from the vehicle, it is locked without the "Safe"function. This is indicated to the user by an audible signal. The vehicle's "Safe" system is only activated after intentionally locking using the door handle or contact key.

If the key is in the detection zone around the vehicle for a prolonged period of time, the options for locking when you walk away from the vehicle and unlocking when you approach it may work in a limited manner.

**Note**

**If the vehicle is parked for a prolonged period of time without being used, it can only be unlocked via the sensor surface inside the interior of the driver's door handle or with the contact key.**

### Unlocking the vehicle on approach

The vehicle can be unlocked by approaching it. For this to work, the function must be activated in the infotainment system and the vehicle key must be in the vehicle's approach area.

- The vehicle is unlocked when the vehicle key is detected nearby ››› Fig. 72. All turn signals flash twice.

If the vehicle is not unlocked for an extended period of time, the "Unlock vehicle when approaching it" function is deactivated. This function reactivates when the vehicle is locked again.

When activating the unlocking function for certain doors in the central locking settings in the infotainment system, it is possible that the "Unlock vehicle when approaching" function will only work to a limited extent.

### Unlocking the rear lid

When the vehicle is locked, the rear lid automatically unlocks when it is opened if there is a vehicle key in its proximity zone. The rear lid locks again after closing.

If the central locking of all doors and the unlock when approaching function in Keyless Access are active, the vehicle remains unlocked after the rear lid is closed. The vehicle does not lock automatically

### Temporarily deactivating the Keyless Access system

The "Keyless Access" system's unlocking function can be temporarily deactivated:

- Move the gear lever to position **P** since otherwise the vehicle cannot be locked.
- Lock the vehicle using the button on the vehicle key.
- Within 5 seconds, touch the sensor on the outside of the door handle once ››› Fig. 73 (B). Do not grip the handle while doing so. This temporarily deactivates the Keyless Access system.
- Check that it is deactivated by pulling on the door handle after at least 10 seconds. It should not be possible to open the door.

The next time, the vehicle can only be unlocked electronically with the vehicle key. After being unlocked the next time, the Keyless Access system will be activated again ›››.

### Permanently disabling the Keyless Access system

The Keyless Access system can also be permanently deactivated in the infotainment system ›››.

### Comfort functions

To close all the electric windows and the sunroof using the **comfort function**, keep a finger for a few seconds on the locking sensor surface (B) of the door handle until the windows and roof have closed.

How the **doors open** when touching the sensor surface on the door handle will depend on the settings that have been activated in the infotainment system, using the function button > **Vehicle > Exterior > Central locking.**

**NOTICE**

**Deactivating the Keyless Access system also deactivates the sensor controlled opening and closing of the rear lid, although the function is shown as "active" in the vehicle menu.**

## Troubleshooting

### The Keyless Access system does not work

The operation of the sensor surfaces may be limited if they are soiled.

- Clean the sensor surfaces.

### All turn signals flash four times

The key that was last used is still inside the vehicle.

- Remove the key and lock the vehicle.

### Automatic deactivation of the sensor surfaces

The sensor surfaces are deactivated in the following cases:

- If the vehicle is not unlocked or locked for a long period of time.
- If any of the sensor surfaces are activated unusually often.

To reactivate the sensor surfaces:

- Unlock the vehicle using the button on the vehicle key.

**NOTICE**

**The sensor surfaces on the door handles may activate if hit by a jet of water or high pressure steam if there is a valid vehicle key in the proximity area. If at least one of the windows is open and the sensor surfaces on one of the handles permanently activates, all of the windows will close. If the jet of water or steam is briefly moved away from the sensor surfaces of one of the handles and redirected towards them, all of the windows may open.**

**Note**

**If the message Keyless system faulty is displayed on the instrument cluster display, abnormalities may occur in the operation of the Keyless Access system. Contact a specialised workshop.**

**Note**

**If there is no vehicle key inside the vehicle or the system fails to detect one, a warning will display on the instrument cluster screen. This could happen if another radio frequency signal (e.g. mobile phone or wireless charger)... interferes with the key signal or if the key is covered by another object, e.g. a metal case**

# Central locking

## Introduction

Central locking functions correctly when all the doors and the rear lid are correctly shut. If the driver door is open, the vehicle cannot be locked with the key.

**WARNING**

**The incorrect use of the central locking system may cause serious injuries.**

- **The central locking system will lock all doors. A vehicle locked from the inside can prevent any non-authorised individual from opening the doors and accessing the vehicle. Nevertheless, in case of emergency or accident, locked doors will complicate access to the vehicle interior to help the passengers.**
- **Never leave children or disabled people alone in the vehicle. The central locking button can be used to lock all the doors from within. Therefore, passengers will be locked**

**inside the vehicle. Individuals locked in the vehicle can be exposed to very high or very low temperatures.**

- **Depending on the time of the year, temperatures inside a locked and closed vehicle can be extremely high or extremely low resulting in serious injuries and illness or even death, particularly for young children.**
- **Never leave individuals locked in a closed and locked vehicle. In case of emergency, they may not be able to exit the vehicle by themselves or get help.**

## Description

Central locking allows all doors, the rear lid and the tank flap to be unlocked centrally:

*Hybrid vehicles:* the fuel tank flap does not unlock with the central locking ››› page 316.

- From outside, using the vehicle key ››› page 102.
- From outside with the Keyless Access system ››› page 98.
- From inside, by pushing the central locking button ››› page 103.

### Self-locking system to prevent involuntary unlocking

It is an anti-theft system and prevents the unintentional unlocking of the vehicle. If the vehicle is unlocked and none of the doors (including the boot) are opened within 45 seconds, it relocks automatically.

### Automatic locking (Auto Lock)

The vehicle locks automatically at over a speed of approx. 15 km/h (9 mph). The fuel tank flap is unlocked so that you can refuel without getting out of the vehicle.

*Hybrid vehicles:* the fuel tank flap remains locked ››› page 316.

When the vehicle is locked, the control lamp of the central locking button lights up yellow.

### Automatic unlocking (Auto Unlock)

If one of the following conditions is met, all doors and the rear lid are unlocked automatically:

- The electronic parking brake is engaged and the ignition is switched off.
- **EITHER:** the inside door handle has been pulled. This applies when driving at under 15 km/h (9 mph).
- **OR:** in the event of an accident and an airbag has been triggered ››› page 104.

Automatic unlocking allows third parties to access the interior of the vehicle to provide assistance if necessary.

### Turn signals

The turn signals will flash twice when the vehicle is unlocked and once when the vehicle is locked.

If it does not flash, this indicates that one of the doors, the rear lid or the bonnet is not closed correctly.

### Accidental lock-out

If you have left the key in the vehicle, it cannot be locked in the following cases:

- If the driver door is open, the vehicle cannot be locked with the central locking switch ››› page 103.

Lock the vehicle with the remote control key, when all the doors and the rear lid have been closed. This prevents the accidental locking of the vehicle.

### Central locking settings

Central locking settings can be changed in the Infotainment system.

*Selective unlocking of the doors*

- Press the function button > **Vehicle > Exterior > Opening and closing > Central locking.**

You can decide whether unlocking unlocks **all** doors, **one door** or **one side** of the vehicle. One locking action operates all vehicle doors regardless of the selected unlocking mode.

In all the options, the fuel tank flap is also unlocked.

With the **One door** setting, the driver's door is unlocked when:

- The button on the remote control key is pressed once.
- **OR:** It is unlocked once using the key shaft.
- **OR:** It is unlocked once via Keyless on the driver's door handle.
- **OR:** It is unlocked by approaching the driver's door. Automatic unlocking does not occur when approaching the passenger door.

With the **One-side** setting, only one side of the vehicle is unlocked when:

- The button on the remote control key is pressed once.
- **OR:** It is unlocked once using the key shaft.
- **OR:** It is unlocked once via Keyless Access on the driver's door handle. If unlocked at the passenger door, only the passenger side is unlocked.
- **OR:** It is unlocked on the driver's side by approaching the driver's door. It is unlocked on the passenger side by approaching the passenger door.

*Exception:* When **One door** or **One side** is selected, operating the unlocking point twice in less than 2 seconds unlocks the whole vehicle.

With the **all doors** setting, an unlocking action will unlock all the doors and the rear lid.

**Note**

- **Never leave any valuable items in the vehicle unattended. Not even a locked vehicle is a safe.**
- **If the LED on the driver door sill lights up for about 30 seconds when the vehicle is locked, the central locking system or anti-theft alarm is not working properly. You should have the fault repaired at a SEAT Official Service or specialised workshop.**
- **Vehicle interior monitoring by the anti-theft alarm system will only function as intended if the windows and sunroof are closed.**

## Unlock and lock with the key

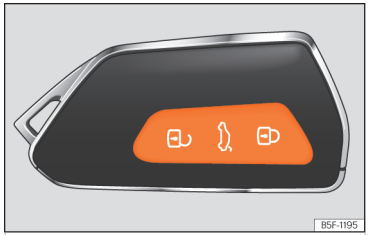


**Fig. 74** Remote control key: keys.

- Lock: press the button ››› **Fig. 74**.
- Locking the vehicle without the "Safe" security system: push the button again and hold for 2 seconds.
- Unlock: press the button.
- Unlocking the rear lid: hold down the button for at least 1 second.

The vehicle will be locked again automatically if you do not open one of the doors or the rear lid within 45 seconds after unlocking the car. This function prevents the vehicle from remaining unlocked if the unlocking button is pressed by mistake. This does not apply if you press the button for at least one second.

### Selective unlocking system

The selective unlocking system allows one door or one side to be unlocked. All other doors and the rear lid remain locked.

*Unlocking the driver's door and tank flap:*

- Press (once) the button on the remote control key or turn the key once in the opening direction.

*Unlocking all the doors, the rear lid and the tank flap simultaneously:*

- Within 5 seconds, press (twice) the button on the remote control key, or turn the key twice within 5 seconds in the opening direction.

The "Safe" security system and the anti-theft alarm deactivate immediately when only the driver door is opened.

In vehicles with Infotainment system, you can programme the security central locking system directly ››› page 101.

**⚠ WARNING**

**Observe the safety warnings** ››› page 104, *Safe security system*.

**Note**

- **For safety reasons it is advisable to only activate the remote control key when you can see the vehicle.**
- **Other functions of the remote control key** ››› page 113, *Opening and closing the windows*.

## Unlocking and locking from the inside

**Fig. 75** On the centre console: central locking button

- Lock: press the button ››› Fig. 75.
- Unlock: Press the button ››› Fig. 75 again.

Please note the following when using the central locking switch to lock your vehicle:

- It is not possible to open the doors or the rear lid from the *outside* (for safety reasons, e.g. when stopped at traffic lights).
- The central locking button lamp lights up when all the doors are closed and locked.
- You can open the doors individually from the inside by pulling the inside door handle.
- The fuel tank flap remains unlocked.

*Hybrid vehicles:* the fuel cap remains locked ››› page 316.

- In the event of an accident in which the airbags inflate, doors locked from the inside will be automatically unlocked to facilitate access and assistance.

**⚠ WARNING**

- **The central locking button also works with the ignition switched off, except when the "Safe" security system is activated.**
- **The central locking button does not operate if the vehicle is locked from the outside and the security system is switched on.**
- **Locked doors could delay assistance in an emergency. Do not leave anyone, especially children, in the vehicle.**

**Note**

**Your vehicle will lock automatically when it reaches a speed of approximately 15 km/h (9 mph) (Auto Lock) ››› page 101. You can unlock the vehicle again using the 🔓 key of the central locking button.**

## "Safe" security system

Depending on its equipment, the vehicle may be fitted with the "Safe" security system.

When the vehicle is locked, the "Safe" security system puts the door handles out of operation and hinders possible attempts by people to access the vehicle. The doors cannot be opened from inside ››› ⚠.

The instrument cluster may display an indication that the "Safe" security system is switched on.

### Disabling the "Safe" security system

The "Safe" security system may be disabled in any of the following ways:

- Press the vehicle key button 🔓 again **within 2 seconds**.
- Touch the sensor surface on the outside of the door handle again **within 2 seconds** ››› page 98.
- Switch the ignition on.
- **OR**: deactivate interior monitoring and the anti-tow system ››› page 106.

Depending on the equipment, before locking the vehicle temporarily deactivate interior monitoring and the anti-tow system in the **Vehicle settings** menu of the infotainment system ››› page 106.

When the "Safe" security system is deactivated, the following needs to be taken into account:

- The vehicle can be unlocked and opened from the inside using an door handle.
- The anti-theft alarm is active ››› page 105.
- The interior monitoring system and the anti-tow system are disabled ››› page 106.

### "Safe" status

The flashing frequency of the diode in the door sill immediately confirms the process. Initially, the diode flashes in a fast sequence for a brief period, then it stops for approximately 30 seconds and, lastly continues flashing slowly.

**⚠ WARNING**

**Using the "Safe" security system negligently or without paying due attention can cause serious injuries in the event of an emergency.**

- **Never leave anyone inside the vehicle when you lock it with the key. When the "Safe" security system is active the doors cannot be opened from the inside!**

## Troubleshooting

### The control lamp remains on

The red LED on the driver's door flashes at short intervals and then stays on. There is a fault in the locking system.

- Contact a specialised workshop. SEAT recommends visiting a SEAT dealership for this.

### The turn signals do not flash

If the turn signals do not flash as a confirmation when the vehicle is locked:

- At least one door or the rear lid are not closed

**or**

- The engine bonnet is not closed.

### The vehicle locks automatically

If one of the following conditions is met, the vehicle re-locks automatically after approx. 45 seconds.

- The vehicle has been unlocked, but none of the doors or the rear lid have been opened.

### What happens when locking the vehicle with a second key

They key inside the vehicle is blocked and cannot be used to start the engine as soon as the vehicle is locked from the outside with a second key. To activate the key inside the vehicle to allow it to switch on the engine, press its 🔓 button.

### Locking the vehicle after an airbag is triggered

When an airbag is triggered as a result of an accident, the vehicle is fully unlocked. Depending on the extent of the damage, the vehicle may be relocked after the accident as described below:

- Switch the ignition off.
- Open the driver's door and close it again.
- Lock the vehicle.

**Note**

**If the 12-volt vehicle battery has little or no charge, or the vehicle key battery is almost or entirely out of charge, you will probably not be able to lock or unlock the vehicle with the Keyless Access system. The vehicle can be unlocked and locked manually** **››› page 107**.

**Note**

**If there is no vehicle key in the vehicle or the system does not detect it, a warning will be displayed on the instrument cluster. This could happen if any other radio frequency signal interferes with the key signal or if the key is covered by another object, e.g. a metal case.**

# Anti-theft alarm

## Description

Depending on the equipment, the vehicle may be fitted with an anti-theft alarm.

The theft alarm monitors the doors, bonnet and rear lid.

The anti-theft alarm system activates automatically when the vehicle is locked.

If the vehicle is not opened electronically with a valid key, the alarm triggers and emits audio and light signals for a maximum of approx. 5 minutes.

### When is the anti-theft alarm triggered?

- If a mechanically unlocked door is opened with the vehicle key, you have 15 seconds to switch on the ignition before the alarm is triggered (depending on markets, the 15 seconds waiting time disappears and the alarm is triggered immediately when the door is opened).
- If the bonnet is opened.
- If the rear lid is opened.
- If an invalid vehicle key is used.
- If there are movements inside the vehicle (in vehicles with interior monitoring **››› page 106**).
- If the vehicle is lifted or towed (for vehicles with an anti-tow system **››› page 106**.
- If the vehicle is transported on a ferry or by rail (in vehicles with an anti-tow system or interior monitoring **››› page 106**).
- If the 12-volt battery is disconnected.
- If the window is broken.
- When a trailer connected to the theft alarm system is unhitched.

### Switching off the alarm

- Unlock the vehicle with the vehicle key unlocking button 🔓.
- Grip the door handle.
- Switch the ignition on. *Please note:* to turn on the ignition, place the vehicle key in the area provided for it to perform an emergency start.

**Note**

- **After 28 days, the indicator light will be switched off to prevent the battery from exhausting if the vehicle has been left parked for a long period of time. The alarm system remains activated.**
- **If, after the audible warning goes off, another monitored area is accessed (e.g. the rear lid is opened after a door has been opened), the alarm is triggered again.**
- **The anti-theft alarm is not activated when the vehicle is locked from within using the central locking button 🔒.**

- **If the driver door is unlocked mechanically with the key, only the driver door is unlocked, the rest of the doors remain locked. Only when the ignition has been turned on will the other doors be available - but not unlocked - and the central locking button will be activated.**
- **Vehicle monitoring remains active even if the battery is disconnected or not working for any reason.**

## Interior monitoring and anti-tow system

If movement is detected in the vehicle interior while the vehicle is locked, the interior monitoring triggers the alarm.

If it detects that the vehicle is being lifted, the anti-tow system triggers the alarm.

### Switching on the interior monitoring and the anti-tow systems

- Lock the vehicle. When the anti-theft alarm is activated, the interior monitoring and the anti-tow system are as well.

Depending on the equipment, the use of a partition net can affect the operation of the interior monitoring system.

### Temporarily switching off the interior monitoring and anti-tow systems

- Press the button on the remote control twice. The interior monitoring and the anti-tow systems will be deactivated. The alarm system remains activated.

### Disconnect through the infotainment system

- Press the function button > **Vehicle > Exterior > Central locking > Interior monitoring**.

The interior monitoring and anti-tow system remain deactivated until the next time the vehicle is locked.

Interior monitoring and the anti-tow system can also be switched off in the departure menu. To do this, the ignition must be switched off ››› page 164.

To avoid false alarms, deactivate interior monitoring and the anti-tow system in the following situations:

- When people or animals remain inside the vehicle.
- When the vehicle is to be loaded onto another means of transport, transported or towed.
- When the vehicle is to be left in a car wash or is to be parked in a double-decker garage.

### Risk of false interior monitoring alarms

The interior monitoring system will only operate correctly if the vehicle is completely locked. Please bear in mind all legal provisions. The following situations may cause a false alarm:

- If one or more windows are partially or completely open.
- If the sliding/tilting roof is partially or fully open.
- If light objects are left inside the vehicle, e.g. loose paper or items hanging from the interior mirror.
- If the vibrate function of a mobile left inside the vehicle is activated.

**Note**

- **It is not possible to permanently deactivate the interior monitoring and anti-tow systems.**
- **If any doors or the rear lid are open when the anti-theft alarm is activated, only the alarm will be activated. The interior monitoring and anti-tow systems will only activate once all of the doors and the rear lid are closed.**
- **When the interior monitoring and anti-tow systems are switched off, the "Safe" security system is also switched off** ››› page 104.

# Doors

## Introduction

The doors and rear lid can be locked manually and partially opened, for example if the key or the central locking is damaged.

**⚠ WARNING**

**Opening and closing doors carelessly can cause serious injury.**

- **If the vehicle is locked from outside, the doors and windows cannot be opened from the inside.**
- **Never leave children or disabled people alone in the car. They could be trapped in the car in an emergency and will not be able to get themselves to safety.**
- **Depending on the time of the year, temperatures inside a locked and closed vehicle can be extremely high or extremely low resulting in serious injuries and illness or even death, particularly for young children.**

**⚠ WARNING**

**Getting in the way of the doors and the rear lid is dangerous and can lead to serious injury.**

- **Open and close the doors and the rear lid only when there is nobody in the way.**

**ⓘ NOTICE**

**In certain weather conditions, ice or snow may accumulate on the lower front part of the doors between the door frame and the door; do not force the doors open until you are sure that there is no ice or snow.**

**ⓘ NOTICE**

**When opening and closing in an emergency, carefully disassemble components and then reassemble them carefully to avoid damage to the vehicle.**

## Emergency unlocking or locking of the driver's door

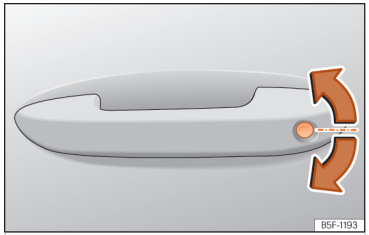


**Fig. 76** Driver door lever: lock cylinder.

If the central locking system should fail to operate, the driver door can still be locked and unlocked by turning the key in the lock.

As a general rule, when the driver door is locked manually all other doors are locked. When it is unlocked manually, only the driver door opens. Please observe the instructions relating to the anti-theft alarm system ››› page 105.

- Remove the key blade from the vehicle key ››› page 96.
- Insert the key blade into the lock cylinder to unlock or lock the vehicle.

### Special characteristics

- The anti-theft alarm will remain active when vehicles are unlocked ››› page 105.
- After the driver door is opened, you have 15 seconds to switch on the ignition (depending on the market). Once this time has elapsed, the alarm is triggered.
- Switch the ignition on. The electronic immobilizer recognises a valid vehicle key and deactivates the anti-theft alarm system.

**ⓘ Note**

**The anti-theft alarm is not activated when the vehicle is locked manually using the key shaft** **››› page 100**.

## Emergency lock of doors without lock cylinders

**Fig. 77** Locking the door manually.

If the central locking system fails or the vehicle's battery goes flat, doors with no lock cylinder will have to be locked separately.

The emergency lock is located on the front of the front passenger's door and the rear doors. It can only be seen if the door is open.

- If necessary, remove the rubber seal from the front of the door ››› Fig. 77.
- Insert the key in the inside slot and turn it to the right as far as it will go (if the door is on the right side) or to the left (if the door is on the left side).
- Replace the cap.

Once the door has been closed it can no longer be opened from the outside. Pull the interior door handle once to unlock and open the door.

## Child lock

**Fig. 78** Left door child lock.

The child lock prevents the rear doors being opened from the inside. Its function is to prevent children from inadvertently opening a single door while the vehicle is in motion.

This function is separate from the vehicle's electronic unlocking/locking systems. It only works on the rear doors. It can only be activated and deactivated manually, as described below.

### Activating the child lock

- Unlock the vehicle and open the door on which the child safety lock is to be activated.
- With the door open, turn the slot with the vehicle key clockwise for the left doors ››› Fig. 78 and anticlockwise for the right doors.

When the child lock is activated, the doors can only be opened from the outside.

### Deactivating the child lock

- Unlock the vehicle and open the door from which you want to remove the child lock.
- With the door open, turn the slot with the vehicle key anticlockwise for the left doors ››› Fig. 78 and clockwise for the right doors.

**⚠ WARNING**

**The doors cannot be opened from the inside when the child lock is activated. This means that people may be locked inside the vehicle. In an emergency, they may not be able to leave the vehicle independently or save themselves.**

- **Never leave children or persons in need of assistance unattended in the vehicle when the doors are locked.**

**⚠ WARNING**

**If children, persons requiring assistance or animals are left unattended inside the vehicle, they could be exposed to very high or very low temperatures. There is a risk of serious or fatal injuries.**

- **Never leave children, persons in need of assistance or animals unattended in the vehicle.**

# Rear lid

## Introduction

The rear lid unlocks and locks together with the doors.

On vehicles with the Keyless Access start/locking system, the rear lid automatically unlocks when it is opened ››› page 98.

**⚠ WARNING**

**Careless and unsuitable locking, opening and closing of the rear lid can cause accidents and serious injury.**

- **Do not close the rear lid by pushing it down with your hand on the rear window. The glass could smash. Risk of injury!**
- **Ensure the rear lid is locked after closing it. If not, it may open unexpectedly while driving.**
- **Never open or close the rear lid carelessly or in an uncontrolled manner, as this could cause serious injuries to you or third parties. Make sure that no person or object is in the way of the rear lid as it closes or opens.**
- **Never drive with the rear lid open or half-closed, exhaust gases may penetrate into the interior of the vehicle. Danger of poisoning!**
- **Never open the rear lid if there is cargo, e.g. bicycles, attached to it. The rear lid may close by itself due to the additional weight. If necessary, remove the cargo first or hold the rear lid.**
- **Never leave the vehicle unattended or allow children to play inside or next to it, especially if the rear lid is open. Children could enter the luggage compartment, close the rear lid and become trapped. A locked vehicle can reach extremely high and low temperatures, depending on the time of year, thus causing serious injuries, illness or even death.**

**NOTICE**

- **Before opening or closing the rear lid, make sure that there is enough space to open or close it, e.g. when pulling a trailer or in a garage.**
- **Never use the rear wiper or rear spoiler to secure cargo or as a handhold. This could cause damage that could lead to the breakage of the rear wiper or spoiler.**

**Note**

**Before closing the rear lid, make sure that the key has not been left inside the luggage compartment.**

## Opening and closing the rear lid

**Fig. 79** Rear lid: opening from the outside.

To lock or unlock the rear lid, press the 🚗 or 🔒 buttons on the vehicle key.

### Manual opening and closing

- *Open*: press the top of the SEAT emblem and lift the rear lid. The rear lid opens automatically ››› Fig. 79.
- *Close*: grip the rear lid by one of the handles on the interior trim and move it downwards to close.

If the doors are locked, the rear lid is also locked.

A warning appears on the instrument panel display if the rear lid is open or not properly closed.

The rear lid locks automatically while driving.

When the outside temperature is around freezing, the opening mechanism cannot always raise the rear lid. Lift the rear lid by hand.

**Note**

**If the rear lid is not opened within a few minutes of being unlocked, it re-locks automatically.**

## Rear lid with electric opening and closing

*Valid for: Leon Sportstourer*

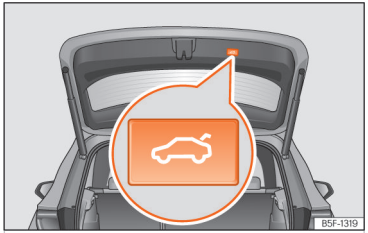


**Fig. 80** Rear lid: button for closing the rear lid.

**Fig. 81** On the driver's door: button for opening and closing the rear lid.

### Opening the rear lid

- Unlock the vehicle and briefly press the handle of the rear lid. On vehicles with Keyless Access you can directly press the handle of the rear lid. The rear lid is unlocked if an authorised key is recognised in the proximity of the vehicle.
- **EITHER:** pull the button on the driver door upwards for approx. 1 second ››› Fig. 81. The button also works when the ignition is switched off.
- **OR:** press and hold the button of the vehicle key for approx. 1 second. If the vehicle is locked, only the rear lid is unlocked (the doors remain locked).
- **OR:** on vehicles with Keyless Access and sensor-controlled opening you can open the rear lid by moving one foot in the area of the sensors located below the rear bumper (Easy Open ››› page 112). The rear lid will open automatically.

### Closing the rear lid

- Briefly press the button on the rear lid ››› Fig. 80, ››› ⚠ in *Introduction* on page 109.
- **OR:** pull up and hold the button on the driver's door until the rear lid is fully closed ››› Fig. 81 (only with the ignition switched on).
- **EITHER:** press and hold the button of the vehicle key until the rear lid closes.
- **OR:** on vehicles with Keyless Access and sensor-controlled opening, move a foot in the area of the sensors located below the rear bumper

(Easy Open ››› page 112). The vehicle key must be in the Keyless Access system detection zone at the rear outside the vehicle.

- **OR:** hold the rear lid by one of the handles fitted to the inner lining and close it by moving it downwards.
- The rear lid lowers automatically to the final position and also locks automatically ››› ⚠ in *Introduction* on page 109.

### Interrupting opening or closing

After beginning to open or close the rear lid, the action can be halted by pressing one of the buttons.

If you press one of the buttons again, the rear lid will move again in the original direction.

If the rear lid meets with resistance or an obstacle during the automatic opening or closing, opening or closing will be interrupted immediately. For the closing process, the rear lid opens again slightly.

- Check why it has not been possible to open or close the rear lid.
- Try to open or close the rear lid again.
- If necessary, the rear lid can be opened or closed by hand using reasonable force.

### Particular features if towing a trailer

If the factory-fitted towing bracket is electrically connected to a trailer ››› page 304, the electric rear lid can only be opened or closed with the buttons on the rear lid itself.

### Audible warnings

Throughout the process of opening or closing the rear lid, acoustic warnings can be heard. *Exception:* when the rear lid is opened manually using the handle or the Easy Open function with the movement of the foot or closed using the button on the rear lid itself ››› Fig. 80.

### Modifying and memorising the opening angle

If the space behind or above the vehicle is less than the travel area of the rear lid, you can change the opening angle of the rear lid.

To memorise a new opening angle, the rear lid must be open at least halfway.

- Interrupt the opening process in the desired position.
- Press the button ››› Fig. 80 on the rear lid for at least 3 seconds.

The opening angle is memorised. Memorisation is indicated by blinking of the hazard warning lights and an audible warning.

### Resetting and memorising the opening angle

For the rear lid to reopen completely, the opening angle must be reset and memorised again.

- Release the rear lid and open it to the memorised height.
- Lift the rear lid by hand as far as it goes. To do this, some force will have to be used.
- Press the button ››› Fig. 80 on the rear lid for at least 3 seconds.
- This resets and memorises the factory-set opening angle. Memorisation is indicated by blinking of the hazard warning lights and an audible warning.

### Automatic protection against overheating

If the system is operated repeatedly in a short space of time, it automatically switches off to prevent overheating.

Once the system is cool again, the function can be reused. Until then, the rear lid can only be opened and closed by hand using reasonable force.

If with the rear lid open the vehicle battery is disconnected ››› page 351 or the corresponding fuse burns out ››› page 333, the system will have to be reset. This requires closing the rear lid completely once.

**⚠ WARNING**

**If a lot of snow builds up on the rear lid or it is heavily loaded, the rear lid may not open or, after opening, it may lower by itself due to the extra weight and cause serious injury.**

- **Do not open the rear lid when there is a lot of snow on it or when carrying a load (e.g. on a rack).**
- **Before opening the rear lid, remove the snow or the load.**

## Rear lid with sensor-controlled opening and closing (Easy Open)

*Valid for: Leon Sportstourer*

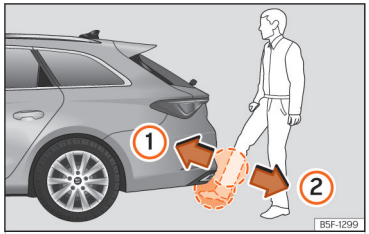


**Fig. 82** Rear lid with sensor-controlled opening (Easy Open).

If there is a valid vehicle key in the proximity of the rear lid, it is possible to unlock and open or close it moving one foot in the area of the sensors located under the rear bumper.

- Switch the ignition off.
- Stand in front of the rear bumper, in the middle.
- With a brisk movement, bring your foot and lower leg as close as you can to the bumper. The lower part of the leg needs to be close to the upper sensor area and your foot to the lower sensor area ››› Fig. 82 ①.
- Quickly remove your foot and lower leg from the sensor areas ››› Fig. 82 ②. The rear lid will open automatically.
- If the rear lid fails to open, repeat the procedure after a few seconds. The detection zone of the lower sensor may not have been reached.

The rear lid can be closed with another foot movement similar to the opening one (provided a valid vehicle key is in the proximity of the rear lid).

When closed, the rear lid automatically locks if the vehicle has been locked beforehand and there is no valid key inside.

While the rear lid is in motion (either opening or closing), it can be stopped with another foot movement similar to the opening one (provided a valid vehicle key is in the proximity of the rear lid).

The Easy Open feature is not available or only has limited availability in the following situations (examples):

- If the rear bumper is very dirty.
- If the rear bumper is wet with salt water, e.g. after having driven on gritted roads.
- If the vehicle has been equipped at a later time with a tow bracket.

In the event of heavy rain, the Easy Open feature may take a little longer to open the boot or may deactivate automatically, to avoid the boot opening by accident, e.g. because of the running water.

The Easy Open function can be connected and disconnected permanently in the infotainment system using the button 🚗 **> Vehicle > Exterior > Central locking.**

**⚠ WARNING**

**If there is a valid key in the proximity of the rear lid, in some cases the Easy Open function may be accidentally activated and the rear lid will open, for example, when sweeping under the rear bumper, when directing a water jet or high pressure steam to the area or when carrying out maintenance work or repairs in that area. If accidentally opened, the rear lid could injure somebody situated in its area of operation or cause material damage.**

- Therefore, always make sure that there is no unsupervised valid key in the area near the rear lid.
- Before carrying out any maintenance or repair work on the vehicle, always disable the Easy Open feature via the infotainment system.
- Before washing the vehicle, always disable the Easy Open function via the infotainment system.
- Before attaching a bike rack or hitching a trailer ››› page 304, always disable the Easy Open function via the infotainment system.

## Emergency unlocking of the rear lid

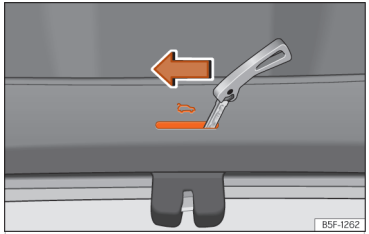


**Fig. 83** Luggage compartment: manual release (Leon).

**Fig. 84** Luggage compartment: manual release (Leon Sportstourer).

The rear lid can be unlocked from inside in the event of an emergency (e.g. if the 12 volt battery is flat).

There is a groove in the luggage compartment allowing access to the emergency opening mechanism.

### Unlocking the rear lid from inside the luggage compartment

- Insert the key blade into the slot and move the key in the direction of the arrow until the lock unlocks ››› Fig. 83, ››› Fig. 84.

# Window controls

## Opening and closing the windows

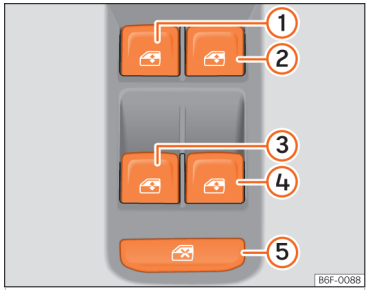


**Fig. 85** Detail of the driver's door: window controls.

- Open the window: press button
- Close the window: pull button

**Buttons on the driver's door**

1. Left-hand front door window
2. Right-hand front door window
3. Left-hand rear door window
4. Right-hand rear door window
5. Safety control for deactivating the window control buttons on the rear doors

Both front and rear windows can be operated from the controls on the driver's door. The other doors have a separate control for each window.

Always close the windows completely when the vehicle is parked or out of sight ››› ⚠.

You can use the electric windows for approx. 10 minutes after switching off the ignition if neither the driver's door nor the front passenger door have been opened and the ignition key has not been removed (depending on the equipment).

### Safety switch

The safety control ››› Fig. 85 ⑤ on the driver's door can be used to disable the electric window buttons on the rear doors.

*Safety control not pressed:* the buttons on the rear doors are activated.

*Safety control pressed:* the buttons on the rear doors are deactivated.

The safety control symbol lights up in yellow if the buttons on the rear doors are switched off.

### Comfort opening and closing

The windows can be opened and closed from the outside using the vehicle key:

*Convenience opening:*

- Press and hold the button on the remote control key until all the windows and the sunroof have reached the desired position.
- **OR:** First unlock the vehicle using the button on the remote control key and then keep the key in the driver's door lock until all the windows and the sunroof have reached the required position.

*Convenience closing:*

- Press and hold button on the remote control key until all the windows and the sunroof are closed ››› ⚠.
- **OR:** Keep the key in the driver's door in the "lock" position until all the windows and the sunroof are closed.
- **OR:** using the Keyless Access system (only locking): Press and hold the locking sensor surface ››› Fig. 87 (arrow) on the door handle for several seconds to close the windows and the sunroof. If you stop touching the sensing surface, the locking function is interrupted.

Comfort locking closes the windows first and then the panoramic sunroof.

In the infotainment system different settings can be adjusted using the function button > **Vehicle > Exterior > Windows > Convenience opening**.

### One-touch opening and closing

Automatic raising and lowering fully opens and closes the windows. It is not necessary to press and hold the appropriate window button for this purpose.

*For the automatic raising function*: pull the button for the corresponding window upwards until it reaches the second position.

*For the automatic lowering function*: push the button for the corresponding window downwards until it reaches the second position.

*Stop automatic movement*: push or pull on the button of the corresponding window.

### Resetting the automatic raising/lowering function

If the 12-volt battery is disconnected or discharged when the windows are not completely closed, the electric window automatic raising and lowering function deactivates and has to be reset:

- Switch the ignition on.
- Close all doors and windows.
- Pull the corresponding window button upwards and hold it in this position for a few seconds.
- Release the button, pull it up again and hold it in this position. This resets the automatic raising and lowering function.

The function can be reset for a single window or for several windows at the same time.

**⚠ WARNING**

**Observe the safety warnings ››› ⚠ in *Introduction* on page 107.**

- **Improper use of the power windows can cause injury.**
- **Never close windows carelessly or in an uncontrolled manner, as this could cause serious injuries to you or third parties. Therefore, make sure that no one is in the way of the moving windows.**
- **If the ignition is switched on, electrical equipment such as the power windows could activate, which can cause injury.**
- **The vehicle doors can be locked with the remote control key, making it difficult to get help in an emergency.**
- **Therefore always take the key with you when you leave the vehicle.**
- **The power windows are only deactivated when the ignition is switched off and one of the front doors is opened.**
- **If necessary, deactivate the rear power windows with the safety control. Make sure that they have actually been deactivated.**
- **For safety reasons, you should only unlock and lock the vehicle with the remote control key when you are approximately 2 metres away from the vehicle. When pressing the lock button, always monitor the movement of the windows to avoid accidents. Releasing the button immediately interrupts the closing process.**

**Note**

**If the window is not able to close because it is stiff or because of an obstruction, the window will automatically open again ››› page 115. In this case, check why the window could not be closed before trying again.**

## Window anti-trap function

The roll-back function reduces the risk of injury when the electric windows close.

If a window encounters resistance or an obstacle when closing, it will reopen immediately ››› ⚠.

- Check why the window does not close.
- Try closing the window again.
- If the closing process is interrupted again, the anti-trap function stops working for a few seconds.
- If the window still cannot be closed, it will stop in the corresponding position. Pulling the button again within a few seconds closes the window **without the anti-trap function** ››› ⚠.

### Closing the windows without the anti-trap function

- Try to close the window again by pulling the button without releasing it, within a few seconds. **The anti-trap function will be deactivated!**
- If the closing process takes longer than a few seconds, the anti-trap function is activated again. The window will stop again if it encounters resistance or an obstacle, and will reopen automatically.
- If the window will still not close, visit a specialised workshop.

**⚠ WARNING**

**Observe the safety warnings ››› ⚠ in *Opening and closing the windows* on page 115.**

- **The roll-back function does not prevent fingers or other parts of the body getting pinched against the window frame. Risk of accident.**

**Note**

**The anti-trap function also works when the windows are closed with the comfort function using the vehicle key.**

# Sunroof

## Introduction

The sunroof only works when the ignition is switched on. Once the ignition has been switched off, you can still open or close the sunroof for a few minutes provided the driver door and the front passenger door are not opened.

**⚠ WARNING**

**If the sunroof is used negligently or without paying due attention, it can cause serious injury.**

- **Open or close the sunroof and the sun blind only when no one is in their path of movement.**
- **Never leave any key inside the vehicle when exiting.**
- **Never leave a child or any other person who may need help in the vehicle, especially if they have access to the vehicle key. If using they key unattended, they could lock the vehicle, start the engine, switch on the ignition and activate the sunroof.**
- **After switching off, it is still possible to open or close the sunroof during a short space of time provided that neither the driver nor passenger door is opened.**

**NOTICE**

- **To prevent damage, during winter temperatures remove any ice or snow that might be on the car roof before opening the sunroof or adjusting the tilt position.**
- **Before leaving the vehicle or in case of rainfall, always close the sunroof. With the sunroof open or in a tilted position, water can enter the interior and can cause considerable damage to the electrical system. As a result, other damage can occur in the vehicle.**

**Note**

- **Leaves and other loose objects that accumulate on the sunroof rails should be regularly cleaned away either by hand or with a vacuum.**
- **If the sunroof does not work correctly, the anti-trap function will not work either. Contact a specialised workshop.**

## Operating the sunroof

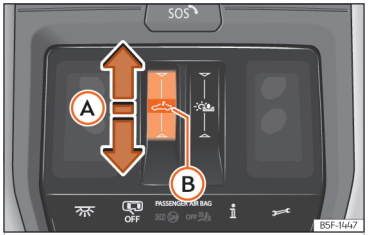


**Fig. 86** On the headliner: glass roof button.

The functional area can be operated in two ways: by sliding and pressing.

- **Sliding:** The roof is opened or closed totally or partially.
- **Pressing:** The roof is raised, opened or closed totally or partially. Press again to stop the automatic movement.

### Raising, opening and closing the sunroof

*Opening the sunroof:*

- Automatic movement: slide your finger back over the functional area ››› **Fig. 86** (A).
- Manual movement: slide back over the functional area and hold it there.

*Closing the sunroof:*

- Automatic movement: slide your finger forward over the functional area (A).
- Manual movement: slide forward over the functional area and hold it there.

*Raise the sunroof (it is only possible to raise the sunroof if it is closed):*

- Automatic movement: press briefly in the centre of the functional area (B)

*Closing the sunroof when raised:*

- Automatic movement: slide your finger forward over the functional area (A).
- **Or** press briefly in the centre of the functional area (B).

*Stop the automatic opening or closing movement:*

- Press the functional area again (A).

## Convenience function to open or close the sunroof

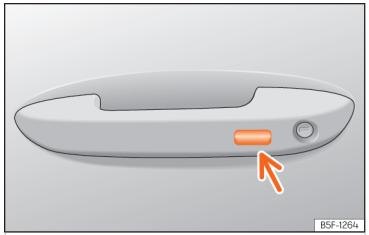


**Fig. 87** Door handle: sensor surface.

The sunroof can be opened and closed with the convenience function, just like the windows.

### Using the door lock

- Hold the key in the door lock of the driver door in either the unlocking or locking position to open or close the roof in the tilted position. Release the key to interrupt this function.

### Using the remote control

- Keep the locking or unlocking button pressed to open or close the roof. If you release the button is the opening or closing will stop.

### Using the Keyless Access system (only locking)

Press and hold the locking sensor surface ››› Fig. 87 (arrow) on the door handle to close the sunroof. If you release the sensor surface, the closing movement stops.

## Anti-trap function of the panoramic sunroof

The anti-trap function can reduce the risk of injury when closing the sunroof ››› ⚠. If the sunroof encounters resistance or an obstacle when closing, it reopens immediately.

- Check why the sunroof did not close.
- Try to close the sunroof again.
- If the sunroof cannot be closed due to an obstacle or some resistance, it stops at the corresponding position and then reopens. For automatic closing, a new closing attempt might take place.
- If the sunroof is still unable to close, close it without the anti-trap function.

### Closing the sunroof without the anti-trap function

- Before approx. 5 seconds after activation of the anti-trap function, slide your finger forward over the functional area ›› ››› Fig. 86 Ⓐ and keep pressed until the sunroof is fully closed.
- **The sunroof closes without the anti-trap function intervening!**
- If the sunroof will still not close, visit a specialised workshop.

**⚠ WARNING**

**Closing the sunroof without the anti-trap function can cause serious injuries.**

- **Always be careful when closing the sunroof.**
- **No person should ever remain in the way of the sunroof, especially when closing without the anti-trap function.**
- **The anti-trap function does not prevent fingers or other parts of the body from becoming trapped against the roof frame and injuries occurring.**

## Glass roof sun blind

**Fig. 88** On the headliner: operate the sun blind.

### Opening or closing the sun blind

*Automatic movement:*

- Swipe backwards or forward over the functional area ☼ ››› Fig. 88.

*Manual movement:*

- Swipe backwards or forward over the functional area ☼ and press and hold.

# Steering wheel

## Multifunction steering wheel

### Functions

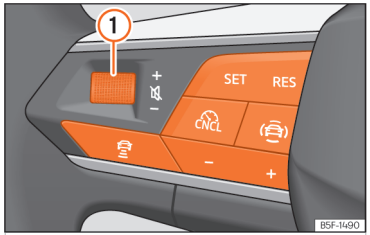


**Fig. 89** Controls on the steering wheel.

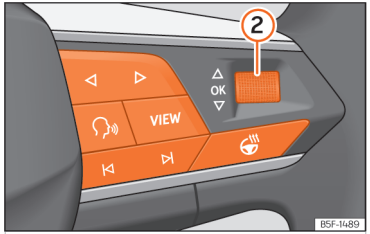


**Fig. 90** Controls on the steering wheel.

The steering wheel includes multifunction modules from where it is possible to control the audio, telephone, navigation, voice control and assist functions without the driver needing to be distracted from the road.

**Buttons available depending on the version**

| | |
|---|---|
| 1 | *Turn:* Turn volume up/down.<br>*Press:* Mute volume. |
| 2 | *Turn:* Search in the instrument panel menu. In Navigation mode, turn to zoom in/out of the map on the digital instrument cluster.<br>*Press:* Select the highlighted option in the instrument cluster. |
| ⏮ ⏭ | *Radio:* Search for the previous/next station.<br>*Media:* Short press: previous/next track; long press: fast forward/rewind. |
| | Activate phone menu (answer call, end call). |
| | Switch between media and radio sources. |
| ◁ ▷ | Change the instrument panel menu (previous/next). |
| | Enable/disable voice control. |
| VIEW | Change the instrument cluster views. ››› page 17 |
| | Activate or deactivate steering wheel heating. ››› page 150 |
| CNCL | Pause the ACC ››› page 200 / Cruise control ››› page 194 / Speed limiter ››› page 196 / Travel Assist ››› page 213. |
| SET | Activate ACC / Travel Assist / Speed limiter. |
| RES | Reset programmed speed. |
| – + | +: Increase programmed speed.<br>–: Decrease programmed speed. |
| | Open the driver assistants menu in the instrument cluster. |
| | Modify the programmed ACC distance. |

## Steering wheel position adjustment

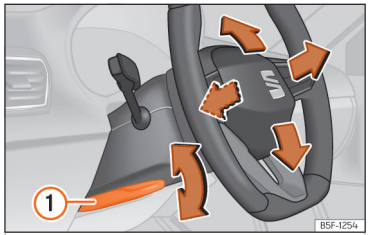


**Fig. 91** Lever in the lower left side of the steering column.

Adjust the steering wheel before your trip and only when the vehicle is stationary.

- Pull lever ››› Fig. 91 (1) down, move the steering wheel to the desired position and lift the lever back up until it locks.

**⚠ WARNING**

**Incorrect use of the steering wheel adjustment function and an incorrect adjustment of the steering wheel can result in severe or fatal injury.**

- **After adjusting the steering column, push lever ››› Fig. 91 (1) firmly upwards so that the steering wheel does not accidentally change position while driving.**

- **Never adjust the steering wheel while the vehicle is in motion. If you need to adjust the steering wheel while the vehicle is in motion, stop safely and make the proper adjustment.**
- **The adjusted steering wheel should be facing your chest and not your face so as not to hinder the driver's front airbag protection in the event of an accident.**
- **When driving, always hold the steering wheel with both hands on the outside of the ring at the 9 o'clock and 3 o'clock positions to reduce injuries when the driver's front airbag deploys.**
- **Never hold the steering wheel at the 12 o'clock position or in any other manner (e.g. in the centre of the steering wheel). In such cases, if the driver's airbag deploys, you may sustain injuries to your arms, hands and head.**

# Seats and head restraints

## Front seats

### Introduction

**⚠ WARNING**

Always read and observe the information and safety advice given in chapter ››› page 44, *Correct sitting position of vehicle occupants*.

**⚠ WARNING**

Incorrect seat adjustment may lead to accidents and severe injuries.

- Only adjust the seats when the vehicle is stationary, as the seats could move unexpectedly while the vehicle is in motion and you could lose control of the vehicle. Furthermore, an incorrect position is adopted when adjusting the seat.
- Adjust the height, position and inclination of the front seats only when their movement area is empty.
- Make sure there are no objects in that area.
- Make sure that the movement and locking areas of the seats are clean.

**⚠ WARNING**

Incorrectly using upholstery and seat covers might cause an accidental activation of the electrical seat adjustment system and make it move unexpectedly while driving. This might cause loss of control of the vehicle and thus accidents or injuries. Moreover, the electrical components of the front seats might be damaged.

- Never attach or place seat upholstery or covers on the electric controls.
- Never use upholstery or seat covers that have not been explicitly authorised for the seats of the vehicle.

**ⓘ NOTICE**

Objects with sharp edges can damage the seats.

- Do not rub the seats with sharp objects. Sharp objects, such as zips and rivets on clothing or belts, can damage surfaces. Open Velcro fasteners can also cause damage.

### Manual adjustment of the front seats

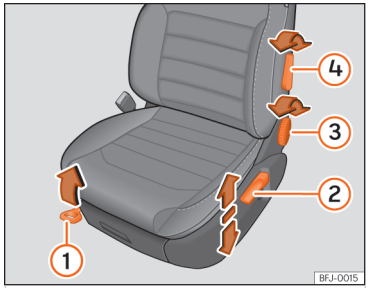


**Fig. 92** Front seats: manual seat adjustment.

1. Pull the lever to move the seat forwards or backwards. The seat must engage when the lever is released!
2. Move the lever up or down to adjust the seat height; several times if necessary.
3. Without placing force on the seat backrest, turn the wheel to adjust the backrest.
4. To adjust the lumbar support, move the lever until the required position is achieved.

## Electric adjustment of the front seats

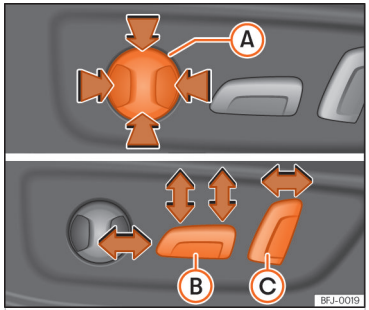


**Fig. 93** Driver's seat: electric seat adjustment.

Ⓐ Adjust the lumbar support: press the button according to the desired position.

Ⓑ Seat forwards/backwards: press the button forwards/backwards.
Seat up/down: Press the rear part of the button up/down. To adjust the angle of the seat cushion, press the front of the button up/down.

Ⓒ Backrest further upright/further reclined: press the button forwards/backwards.

The position will be saved automatically in the SEAT CONNECT Active user when the ignition is switched off[1].

**⚠ WARNING**

If the electric front seats are used carelessly or without paying due attention, it can cause serious injury.

- The front seats can also be electrically adjusted when the ignition is switched off. Never leave a child or any other person who may need help in the vehicle.
- In the event of an emergency, electrical adjustment can be stopped by pressing any control.

**NOTICE**

To avoid damaging the electrical components of the seats, please refrain from kneeling on the seat or applying sharp pressure at a single point to the seat cushion and backrest.

**Note**

- It may not be possible to electrically adjust the seat if the vehicle battery is very low.
- If the engine is started while the seats are being electrically adjusted, the adjustment will stop.

**Note**

When changing user a warning will be shown on the infotainment system's screen during the time that the seat is moving to the saved position. This movement can be stopped by pressing the stop button on the screen.

# Rear seats

## Folding down and raising the rear seat backrest

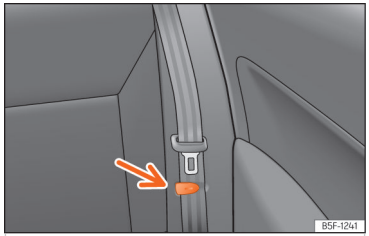


**Fig. 94** Rear seat: clip to hold the seatbelt in place.

[1] Valid for vehicles fitted with the Infotainment Connect System.

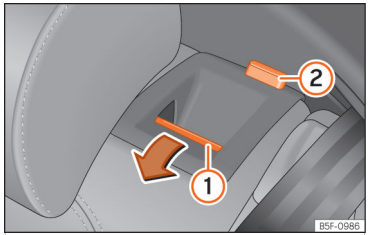


**Fig. 95** Rear seat: folding down the backrest.

The rear seat backrest is split and each part be lowered separately to extend the luggage compartment.

### Folding the backrest forwards

- Place the side seat belts in the trim clip ››› Fig. 94.
- Fully lower the rear headrests ››› page 124.
- Press the unlock button ››› Fig. 95 ① forwards and at the same time fold the backrest down. The rear seat backrest is not engaged when the red marking of the button ② is visible.

### Converting the table to a seat

- Raise and lock in the back rest. The red marking on button ② should no longer be visible when the backrest is properly secured.

**⚠ WARNING**

**Serious injuries can be caused if the rear seat backrest is lowered or lifted without due care and attention.**

- **Never lower or lift the rear seat backrest while driving.**
- **Do no trap or damage the seat belt when raising the rear seat backrest.**
- **When lowering or lifting the rear seat backrest, keep your hands, fingers, feet and other body parts out of its path.**
- **For the rear seat belts to offer the necessary protection all the parts of the rear backrest must be properly engaged. This is particularly important in the case of the centre rear seat. If someone is seated in a seat whose backrest is not properly engaged they will fly forward, along with the backrest, during an accident or a sudden driving or braking manoeuvre.**
- **A red mark on button ② warns that the rear backrest is not engaged. Always check that the red marking is not visible when the backrest is in the upright position.**
- **When the rear seat backrest is lowered or is not properly engaged nobody else can travel in the corresponding seats (not even a child).**

**ⓘ NOTICE**

**Serious damage can be caused to the vehicle and other objects if the rear seat backrest is lowered or lifted without due care and attention.**

- **Before lowering the rear seat backrest, always adjust the front seats so that neither the head restraints nor the cushions of the rear backrest can hit them.**

# Headrest

## Introduction

The possibilities for the adjustment and disassembly of the headrests are described below. Always make sure that the seats are correctly adjusted ››› page 44.

All seats are equipped with a head restraint. The central rear headrest is only intended for the central seat of the rear bench. Therefore, do not install it on any other seat.

### Correct adjustment of head restraint

Adjust the headrest so that its upper edge is at the same level as the top of your head and under no circumstances below eye level. Keep the back of your head always as close to the head restraint as possible.

### Adjusting the head restraint for short people

Lower the head restraint completely, even if your head is below its upper edge. In the lowest position, there may be a small distance between the head restraint and the backrest.

### Adjusting the head restraint for tall people

Push the head restraint up as far as it will go.

**⚠ WARNING**

**If travelling with the head restraints removed or improperly adjusted, the risk of severe or fatal injuries in the event of accidents and sudden braking or manoeuvres increases.**

- **Always travel with the head restraint correctly installed and adjusted.**
- **To decrease the risk of cervical injuries in the event of an accident, adjust the head restraint correctly based on your height, always making sure that its upper edge is at the same height as the top of the head, but never below eye level. Keep the back of your head always as close to the head restraint as possible and centred.**
- **Never adjust the head restraint while the vehicle is in motion.**
- **Under no circumstances should the rear passengers travel while the head restraints are in the non-use position.**

**ⓘ NOTICE**

**When assembling and disassembling the head restraints, do not let them meet the top lining of the vehicle, the back rest of the front seat or other parts of the vehicles. If not, this could damage the vehicle.**

## Adjusting the headrests

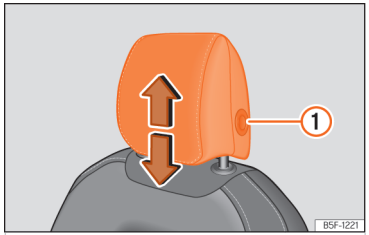


**Fig. 96** Front seat: adjusting the head restraint.

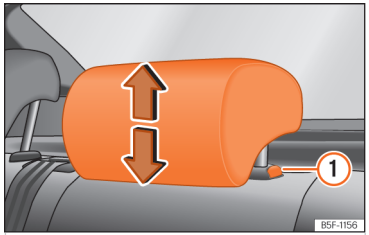


**Fig. 97** Rear headrest: adjusting the headrest.

### Adjusting the height of the head restraints

- Grab the sides of the head restraints with both hands and push upwards to the desired position. To lower it, repeat the same action, pressing the button on the side (1) ››› Fig. 96 , ››› Fig. 97.
- The headrest must lock correctly in one position.

## Removing and fitting the headrests

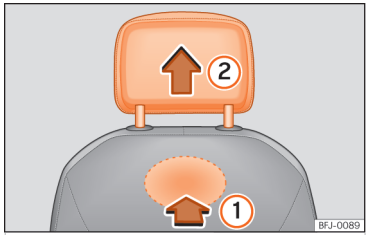


**Fig. 98** Front head restraint: removal.

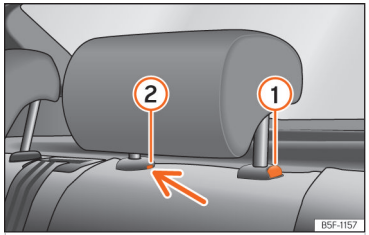


**Fig. 99** Rear head restraint: removal.

### Removing the front head restraints

- Lower the head restraint if necessary.
- To unlock it, look for the rabbet on the bottom of the backrest and press in the direction of the arrow ››› Fig. 98 ①.
- Remove the head restraint in the direction of the arrow ②.

### Fitting the front head restraints

- Place the head restraint in the correct position on the guides of the corresponding backrest and insert it.
- Press the head restraint downwards until the bars lock.
- Adjust the head restraint according to the instructions on the correct position of the seat.

### Removing the rear head restraints

To remove the head restraint, the corresponding backrest must be partially folded forward.

- Unlock the backrest ››› page 122.
- Move the head restraint upwards until it arrives to the top.
- Press button ››› Fig. 99 ①, while simultaneously pressing on the safety hole ② with a flat screwdriver a maximum of 5 mm wide, and remove the headrest.
- Move the backrest until it engages properly ››› ⚠ in *Folding down and raising the rear seat backrest* on page 123.

### Fitting the rear head restraints

To mount the external head restraints, the corresponding backrest must be partially folded forward.

- Unlock the backrest ››› page 122.
- Insert the head restraint bars into the guides until they perceptibly engage. It should not be possible to remove the head restraint from the backrest.
- Move the backrest until it engages properly ››› ⚠ in *Folding down and raising the rear seat backrest* on page 123.

**⚠ WARNING**

**Remove the rear headrests only when it is necessary to fit a child seat. After removing a child seat, refit the headrest immediately.**

# Seat functions

## Memory function

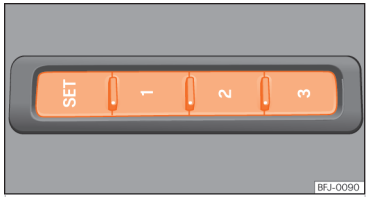


**Fig. 100** On the outer side of the driver's seat: memory buttons.

### Memory buttons

The memory buttons can be used to save and activate settings for the driver seat and exterior mirrors.

The settings will also be saved in the user of the online services.

### Save the settings for the driver seat and exterior mirrors for forward gear

- Apply the electronic parking brake.
- Set the gearbox to the neutral position.
- Switch the ignition on.
- Adjust the driver seat and exterior mirrors.
- Press SET for longer than 1 second ››› Fig. 100.
- Press the memory button in which to store the settings within approx. 10 seconds. An audible signal confirms that they have been saved.

### Save the settings of the front passenger exterior mirrors for reversing.

- Apply the electronic parking brake.
- Set the gearbox to the neutral position.
- Switch the ignition on.
- Press whichever memory button you want.
- Select reverse gear.
- Adjust the front passenger exterior mirror so that you can see, for example, the kerb edge well.
- The set position for the mirrors is automatically saved and assigned to the key with which you unlocked the vehicle.

### Activating the settings

- With the vehicle stopped and the ignition switched on, press and hold the corresponding memory button until the saved position is reached.
- **OR:** With the ignition switched off and the driver's door open, briefly press the corresponding button.

The front passenger side exterior mirror automatically changes from the position stored for reversing as soon as the vehicle moves forward at a speed of at least 15 km/h (10 mph) or when the gear selection lever is changed to a position other than **R** ››› page 140.

### Initialising the seat position memory

If, for example, the driver seat has been replaced, the position memory system must be restarted.

Restarting deletes all memories and assignments of seats with memory functions. The memory keys can then be programmed again.

- Open the driver's door and do not get into the vehicle.
- Change the seat settings from outside.
- Tilt the backrest fully forward.
- Release the control to adjust the inclination and press it again until an audible signal sounds.

**⚠ WARNING**

**Only set the memory function when the vehicle is stationary.**

**Note**

**If the driver door is opened approx. 10 minutes after the vehicle was unlocked or later, the driver seat and the exterior mirrors do not move automatically.**

## Front centre armrest

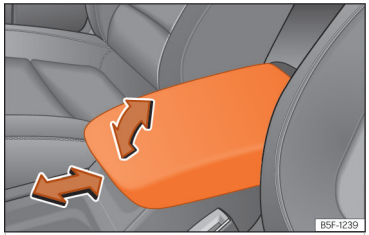


**Fig. 101** Front centre armrest

To *raise* the armrest, pull it fully up in the direction of the arrow ››› **Fig. 101** up or step by step depending on the desired opening.

To *lower* the armrest, first lift it to its highest position. Then lower it down.

To move the armrest horizontally, move it forward ››› **Fig. 101** or backward as much as possible in the direction of the corresponding arrow.

**⚠ WARNING**

**The front centre armrest may obstruct the driver's arm movements, which could cause an accident and severe injuries.**

- **Keep the storage compartments of the centre armrest closed at all times while the vehicle is in motion.**
- **Never let anyone sit on the centre armrest while the vehicle is in motion, not even a child. This position is incorrect and may cause severe injuries.**

## Unlock the seat backrest with the cord.

✓ Valid for: LEON Sportstourer

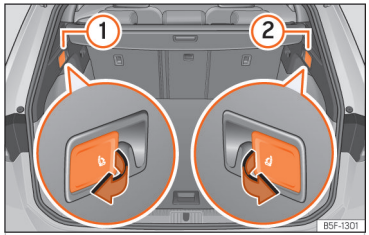


**Fig. 102** In the luggage compartment: levers to unlock the rear backrest.

- Lower the head restraint properly.
- Open the rear lid.
- Pull the remote release lever of the left ››› **Fig. 102** ① or right ② parts of the backrest in the direction of the arrow. The released part of the rear seat backrest is folded automatically down and forwards.
- If this occurs, close the rear lid.

The rear backrest is not engaged when a red mark can be seen on the button ››› **Fig. 95** ②.

# Lights

## Vehicle lighting

### Indicator lamps

**Lights up yellow**
There is a total or partial failure of the exterior lighting.

**Lights up yellow**
Rear fog light on.

**Lights up green**
Left or right turn signal. The control lamp flashes twice as fast when a turn signal is faulty.

Hazard warning lights on ››› page 71.

**Lights up green**
Trailer turn signals.

**Lights up blue** Main beam on or flasher activated ››› page 130.

**Lights up blue**
The Light Assist system is on ››› page 131.

### Lighting and visibility buttons

**Fig. 103** Instrument panel: light panel.

By pressing the MODE button you can select between (the corresponding indicator lights up):

Switching on the dipped beam headlights.

**AUTO** Automatic control of dipped beam and daytime running light.

Switching on the side lights. The automatic headlight control **AUTO** activates at over a speed of approx. 10 km/h (6 mph).

– Lights off. Automatic headlight control **AUTO** activates at a speed of over approx. 10 km/h (6 mph) or after travelling 100 m (approx. 328 ft).

Additionally, the following light functions can be activated by pressing on the corresponding symbol.

When the function is activated, the corresponding symbol lights up. To deactivate it, you will need to press on the symbol again.

FRONT Turning the front fog lights on or off. In addition, a pop-up window with the selected position is displayed in the instrument cluster.

REAR Turning the rear fog lights on or off. In addition, the control lamp on the instrument cluster lights up.

MAX Switching the windscreen demisting function on and off ››› page 147.

REAR Switching the rear window heating on and off ››› page 147.

It is always the driver's responsibility to ensure that the vehicle is driven with the correct headlamp settings and the correct lights.

#### Side lights

When the side light is switched on, the side lights in both headlights, certain areas of the rear light clusters, the number plate light and the button lights on the instrument cluster turn on. The automatic dipped beam activates as of a speed of approx. 10 km/h (6 mph).

### Automatic dipped beam headlight control AUTO

When the automatic dipped beam is switched on, the vehicle's lighting and the lighting of the instruments and controls turn on and off under the following conditions:

- The light sensor has detected darkness.
- The wiper has been on for some time.

When the lights are on, the control lamp lights up in green.

The automatic dipped beam is only an auxiliary function and cannot always identify all situations that may arise during driving with sufficient precision.

If the vehicle has the appropriate equipment, the vehicle settings menu of the infotainment system can be used to set the moment that the dipped beam automatically switches on ››› page 40.

### Cornering light function

The *cornering* light is an additional function to the dipped beam to improve lighting of the side of the road when cornering at low speeds.

When the dipped beam is on, a static cornering light comes on when driving at speeds below about 40 km/h (25 mph) or on very tight bends.

- If the steering wheel is turned or the turn signal is switched on, the front fog light gradually turns on. Once the turn has been made, the *cornering* light progressively turns off.
- When engaging reverse gear, both front fog lights turn on.

### Daytime running lights

Daytime running lights can increase the vehicle's visibility when driving in daylight and they turn on automatically when the ignition is switched on (if brightness is detected).

### Motorway light

The motorway light is available on vehicles fitted with LED High lights.

The function is connected and disconnected via the corresponding Infotainment system menu.

- **Activation:** when going above 110 km/h (68 mph) for more than 10 seconds, the dipped beam raises slightly to increase the driver's visibility distance.
- **Deactivation:** when reducing the speed of the vehicle below 100 km/h (62 mph), the dipped beam immediately returns to its normal position.

### Warning buzzers to warn that the lights have not been switched off

If the ignition is not connected and the driver door is open, an audible warning signal is heard in the following cases: this will remind you to turn the light off.

- When the parking light is on ››› page 130.
- When the lamp ⁘ or ⦶ is on.

If the exit lighting is switched on ("Coming Home" function), when you leave the vehicle there will be no audio warning to warn you that the lights are still on.

**⚠ WARNING**

**Accidents can occur if the road is not well lit and other users of the road cannot see the vehicle or see it with difficulty.**

- **The automatic dipped beam control (AUTO) only switches on the dipped beam when there are no changes in brightness, and not, for example when it is foggy.**

**⚠ WARNING**

**The side light or daytime running light does not provide sufficient illumination to see the road properly or to be seen by drivers of other vehicles.**

- **Always switch on the dipped beam headlight at night, in rainy weather or when visibility is poor.**
- **Daytime headlights must never be used when the road is poorly lit due to weather or lighting conditions.**

**⚠ WARNING**

**Other road users may be distracted and dazzled if the headlights are set too high and used inappropriately. This could cause an accident, with serious consequences.**

- **Always make sure that the headlights are correctly adjusted .**

**Note**

- **The relevant legislation in each country must be observed when using the vehicle's lights.**
- **The dipped beam headlights will only work with the ignition on. When the ignition is switched off, the side light automatically turns on.**
- **The rear fog light can dazzle drivers behind you. You should use the rear fog light only when visibility is very poor.**

- **When the lights are off or in position AUTO or ≋D and the fog lights are switched on, the dipped beam is also switched on regardless of the ambient brightness.**

## Turn signal and main beam lever

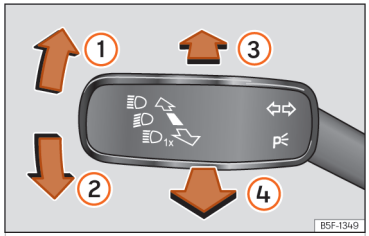


**Fig. 104** Turn signal and main beam lever.

More the lever to the required position:

1. Right turn light or right-hand parking light (ignition switched off).
2. Left turn light or left-hand parking light (ignition switched off).
3. Turning on the main beam. The control lamp ≡D lights up on the instrument cluster.
4. The headlight flasher turns on when the lever is pulled. The control lamp ≡D lights up on the instrument cluster.

Place the lever in rest position to turn off the corresponding function.

### Convenience turn signals

When the ignition is switched on, move the lever as far as possible upwards or downwards and release the lever. The turn signal will flash three times.

To switch off the convenience turn signal early, immediately move the lever in the opposite direction until you feel resistance and release it.

The convenience turn signals can be activated and deactivated in the infotainment system, in the vehicle settings menu ››› page 40.

### Parking light P≤

The parking lights will only work with the ignition off. If said light is on, an audible warning will sound while the driver door is open.

- Switch the ignition off.
- Move the turn signal lever up or down.

When the parking light is switched on, the front side light and the tail light on the corresponding side of the vehicle turn on.

### Parking light on both sides

- Switch the ignition off.
- Press the button MODE to select ≋D≤.
- Lock the vehicle from the outside.

When this is done, only the side lights of both headlights, along with the tail lights, partially light up.

**⚠ WARNING**

**Using turn signals inappropriately, not using them or forgetting to turn them off can confuse other road users. This could cause an accident with serious consequences.**

- **Always give warning of lane changes, overtaking or turning manoeuvres by activating the turn signals well in advance.**
- **As soon as the lane change, overtaking or turning manoeuvre is complete, switch off the turn signal.**

**⚠ WARNING**

**Improper use of the main beam can cause accidents and serious injuries, as it can distract and dazzle other drivers.**

**Note**

- **When you turn the ignition off without having turned the turn signals off, an acoustic signal sounds while the driver door is open. It is intended to remind you to turn off the turn signals, unless you want to leave the parking light on.**
- **If the convenience turn signals are on (three flashes) and the convenience turn signal on the opposite side is activated, the active side stops flashing and only flashes once on the newly selected side.**
- **The turn signal only works when the ignition is switched on. The turn signals only work when the ignition is switched on.**
- **The *main beam* can only be switched on when the dipped beam is switched on.**
- **If a trailer turn signal fails, the indicator light (trailer turn signals) stops flashing, instead of flashing the turn signal at double speed in the vehicle.**
- **In cold or wet weather conditions, the headlights, tail lights and turn signals may be temporarily fogged from the inside. This is normal and has no effect on the service life of the vehicle's lighting system.**
- **The parking light does not activate automatically if the left- or right-hand turn signal is left on and the ignition is disconnected.**

## Main beam assist (Light Assist)

The main beam assist automatically prevents glare from vehicles moving in the opposite direction or ahead in the same direction. In addition, the main beam assist detects illuminated areas and disconnects the main beam headlight when passing, e.g. by populated areas.

Within its limitations, the assist system automatically connects or disconnects the main beam headlight depending on the environmental and traffic conditions, as well as the speed ››› ⚠.

### Switching on the main beam assist

- Switch on the ignition and select mode AUTO on the headlight control ››› Fig. 103.
- From the base position, press the turn signal and main beam headlights lever forwards ››› Fig. 104 ③.

When the main beam assist is switched on, the control lamp on the instrument cluster screen turns on. When the main beam is on, the blue main beam control lamp on the instrument cluster switches on.

### Switching the main beam assist off

- Switching off mode AUTO on the headlight control ››› Fig. 103.
- **EITHER:** if main beam assist is on, pull the turn signal light and main beam headlights lever back ››› Fig. 104 ④.
- **OR:** if the main beam assistant is on, but the main beam **does not** turn on, press the turn signal and main beam lever forwards to turn the main beam on manually. Pull the turn signal and main beam lever back to switch off the main beam manually, if necessary.
- **OR:** switch off the ignition.

### System limitations

In the following cases, the main beam headlight must be switched off manually because the main beam assist will not disconnect it on time or disconnect it at all:

- On insufficiently lit roads with highly reflective signs.
- If road users are insufficiently lit up, e.g. pedestrians or cyclists.
- On closed curves, when the traffic in the opposite direction is partially hidden, on pronounced slopes or inclinations.
- On roads with traffic in the opposite direction and with a central reservation barrier where the driver can see over it e.g. lorry drivers.
- In case of fog, snow or heavy rainfall.
- In case of swirling dust or sand.
- If the windscreen is damaged in the camera's field of vision.
- If the camera's field of vision is misted up, dirty or covered by a sticker, snow or ice.
- If the camera is damaged or if the power supply has been cut off.

**⚠ WARNING**

**The comfort features of the main beam assist must not lead you to take any risks. The system is not a replacement for driver concentration.**

- **You must always control the main beam yourself and adapt it to the light, visibility and traffic conditions.**
- **The main beam regulator may not recognise all driving situations correctly and may operate with limitations in certain circumstances.**
- **When the camera's field of view is dirty, covered or damaged, the operation of the main beam regulator may be affected. This also applies when the vehicle's lighting installation is modified, e.g. when additional headlamps are installed.**

**NOTICE**

**To avoid affecting the operation of the system, take the following points into consideration:**

- **Clean the field of vision of the camera regularly and make sure it is free of snow and ice.**
- **Do not cover the field of vision of the camera.**
- **Check that the windscreen is not damaged in the area of the camera's field of view.**

**Note**

- **The headlight flasher can be turned on and off manually at any time with the turn signal and main beam lever** ›› page 130.
- **If there are objects that radiate light in the camera's area of influence, e.g. a portable navigation system, this may affect the operation of the main beam assist system.**

## "Coming home" and "Leaving home" function (exterior orientation lighting)

The "Coming home" and "Leaving home" function lights up the vehicle's immediate surroundings when getting into and out of it in the dark.

This light is automatically controlled by a light sensor.

### Turning on the "Leaving home" light

- Unlocks the vehicle (if the automatic dipped beam function AUTO is switched on and the light sensor detects darkness).

### Turning off the "Leaving home" light

- It turns off automatically once the lights off delay time has elapsed.
- **OR**: lock the vehicle.
- **OR**: press the light control as many times as necessary until the instrument cluster displays the setting OFF.
- **OR**: switch on the ignition.

### Turning on the "Coming home" light

- Switch the ignition off.

The "Coming home" light comes on if the automatic headlight control AUTO is switched on and the light sensor detects darkness.

The lights-off delay countdown starts when the last door or rear lid of the vehicle is closed.

### Turning off the "Coming home" light

- It switches off automatically after the set lights-off delay time has elapsed.
- **EITHER:** it is automatically deactivated if, 30 seconds after the function has been activated, any vehicle door or the rear lid is still open.
- **OR**: press the light control as many times as necessary until the instrument cluster displays the setting OFF.
- **OR**: switch on the ignition.

### "Coming home" and "Leaving home" settings

The duration of the lights-off delay can be set in the vehicle settings menu of the infotainment system, where the function can also be activated and deactivated ››› page 40.

## Headlight range control

### Dynamic headlight range control (valid for vehicles fitted with High headlights)

The headlight range is automatically adjusted according to the vehicle load status when they are switched on.

### Manual headlight range adjustment (valid for vehicles fitted with ECO Led headlights)

The headlight range control adapts the dipped headlight beam to the vehicle's loading conditions. This means that the driver has optimum visibility conditions without dazzling oncoming vehicles.

*The range of the headlights can be adjusted in the Infotainment System* ››› page 40

- Select 🚗 > **Vehicle** > **Lights** to open the **Headlight range adjustment** menu.
- Select the appropriate level for the vehicle loading conditions.

*Levels:*

**0** Two front occupants and luggage compartment empty.

**1** All seats occupied and luggage compartment empty.

**2** All seats occupied, luggage compartment full.

**3** Driver's seat occupied and luggage compartment full.

**⚠ WARNING**

**If the dynamic headlight range control fails or does not work properly, the headlights could dazzle and distract other road users. This could cause accidents and lead to serious injuries.**

- **Immediately go to a specialist workshop and have the headlight range control system checked.**

## Driving abroad

The light beam of the dipped beam lights is asymmetric: the side of the road on which you are driving is lit more intensely.

When a car that is manufactured in a country that drives on the right travels to a country that drives on the left (or vice versa), it is normally necessary to cover part of the headlight bulbs with stickers or to change the adjustment of the headlights to avoid dazzling other drivers.

In such cases, the regulations specify certain light values that must be complied with for designated points of the light distribution. This is known as "Tourist light".

The light distribution of the headlights allows the specific "tourist light" values to be met without the need for stickers or changes being made to the settings.

**Note**

**"Tourist light" is only allowed temporarily. If you are planning a long stay in a country that drives on the other side, you should take the vehicle to an Authorised Technical Service to change the headlights.**

# Interior lights

## Lighting of the instrument cluster, displays and controls

The instrument and control lighting brightness can be set in the vehicle settings menu of the infotainment system ››› page 40.

The set intensity automatically adapts to changes in ambient brightness in the vehicle.

When the automatic dipped beam light AUTO is turned on, a sensor automatically turns the dipped beam light on or off, as well as the instrument and control lighting, depending on the ambient brightness.

In some cases, e.g. when driving through a tunnel without the automatic dipped beam light AUTO function switched on, the instrument cluster lighting may even switch off. The objective of this function is to provide the driver with a visual indication that he or she should activate the dipped beam. If your vehicle is fitted with a digital instrument cluster, the message **Turn on the lights** will be displayed on the instrument cluster.

## Interior and reading lights

**Fig. 105** Detail of headliner: front interior lighting.

Turning the interior lights on or off.

OFF Door contact connection. The interior lights come on automatically when you unlock the vehicle, open a door or disconnect the ignition. The light goes out a few seconds after closing all the doors, when locking the vehicle or connecting the ignition.

### Reading light

The reading light is tactile, each lens is turned on and off individually by pressing in the respective central area. In addition, the intensity of the light can be adjusted according to the pressure exerted.

If you want to turn on the two lenses together you must press the symbol ››› Fig. 105.

### Glove compartment and luggage compartment lighting

When opening and closing the glove compartment on the front passenger side and the rear lid, the respective light will automatically switch on and off.

### Footwell lighting

The lights in the footwell area below the dash (driver and front passenger sides) will switch on when the doors are opened and will decrease in brightness while driving. This intensity can be adjusted through the infotainment system menu using the function button > **Vehicle > Lighting** ››› page 40.

**Note**

**The reading lights go out when the vehicle is closed and locked or after a few minutes of turning the ignition off. This prevents the battery from discharging.**

## Background lighting

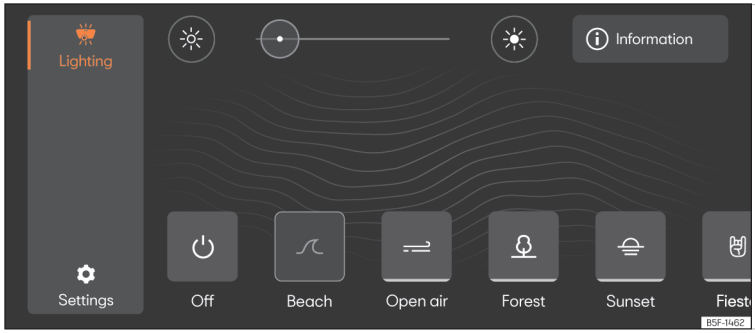


**Fig. 106** Schematic representation: Background lighting.

Background lighting provides lighting in different areas of the interior.

There are predefined versions of **Ambient Light** ››› Fig. 106.

The intensity of the lighting can be adjusted using the function button ☼:

**Drive profile** Lights up the interior of the vehicle depending on the selected drive profile.

**Individual** To adjust the intensity of the background lighting in each of the areas as well as to change the colour in the versions that have lighting on the front door panel and the instrument panel line.

**Off** Turns off the background lighting.

**Additional functions of the background lighting**

- **Door open alert:** Representation on the line of the respective front door if the vehicle reaches 10 km/h while either of the two front doors is not closed properly.
- **Rear windows locked alert:** Representation on the line of the respective front door when the operation buttons of the rear windows are pressed, if they have been locked with the safety button ››› page 113 and the vehicle is locked (Auto Lock).
- **Representation of the hazard warning lights:** Animation on the entire background lighting line while the hazard warning light function is active.

The representation of these functions by the background lighting can be switched on and off both individually and as a whole in the infotainment system: ⊞ > **Vehicle** > **Lighting** > **Settings**.

**Note**

**In some versions, the colour indicated on the Infotainment screen may not match the actual colour of the vehicle's interior lighting.**

# Visibility

## Windscreen wiper and rear window wiper systems

### Window washer lever

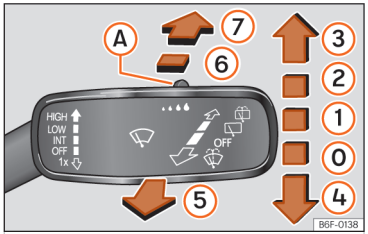


**Fig. 107** Operation of windscreen wipers and rear window wiper system.

More the lever to the required position:

**OFF** (0) Windscreen wipers off.

**INT** (1) Intermittent wiping of the windscreen activates the rain sensor. The windshield is wiped intermittently depending on the speed of the vehicle or the heaviness of the rain.

**LOW** (2) Slow wipe.

**HIGH** (3) Fast wipe.

**1x** (4) Short wipe. Pressing the lever for longer accelerates wiping.

(5) Pull the lever to switch on the automatic windscreen washer/wiper. The Climatronic switches on air recirculation for approx. 30 seconds to prevent the smell of windscreen washer fluid from entering the vehicle interior.

(6) Switches on the intermittent rear window wiper. The wiper operates at intervals of approx. 6 seconds.

(7) Pressing and holding the lever turns on the automatic rear window washer/wiper.

(A) A Control for adjusting the duration of the wiping intervals (vehicles without rain and light sensors) or the sensitivity of the rain sensor.

**⚠ WARNING**

**If insufficient antifreeze is added to the washer fluid, it could freeze on the glass and impair visibility.**

- **Do not use the wiper system in winter temperatures without first heating the windscreen with the heating and ventilation system. Windscreen washer fluid could freeze on the windscreen and impair forward visibility.**

**⚠ WARNING**

**The use of worn or dirty wiper blades reduces visibility and increases the risk of serious accidents and injuries.**

- **Replace the wiper blades whenever they are in poor condition or worn out and no longer clean the windows sufficiently** ››› page 324.

**ⓘ NOTICE**

**Before driving off and before switching on the ignition, check the following aspects of the wiper blades and the wiper motor to prevent damage to the glass:**

- **The wiper lever is in the neutral position.**
- **You have removed or cleared any snow and ice from the wiper blades and windows.**
- **You have carefully removed any wiper blades that may have frozen from the window. SEAT recommends an de-icer spray for this purpose.**

**ⓘ NOTICE**

**Turn of the wiper before the glass is completely dry. Using the wipers while dry can damage the glass.**

**Note**

- When the vehicle stops while the wiper is on, the wiper switches to operating temporarily at the next lower wiping level.
- If the driver or passenger door is opened when the vehicle is stationary, the wipers return to the starting position and are switched off. If the door is closed or the wiper lever is moved within a few seconds, the wiper turns on again.
- In winter, the service position of the wipers can be useful to make it easier to lift the wipers off the windscreen when the vehicle is going to be left stationary ››› page 324.

## Wiper functions

### Automatic rear window wipe

The rear wiper switches on automatically when the wiper is switched on and reverse gear is engaged. The automatic rear window wiper activation when engaging reverse gear can be activated and deactivated in the infotainment system, in the vehicle settings menu ››› page 40.

**Note**

The windscreen will be wiped again approximately 5 seconds after the windscreen washer has been activated, provided the vehicle is moving ("drip" function). If you activate the wipers less than 10 seconds after the "drip" function, a new wash sequence will begin without performing the last wipe. For the "drip" function to work again, you have to turn the ignition off and then on again.

**Note**

The wiper will try to wipe away any obstacles that are on the windscreen. The wiper will stop moving if the obstacle is still blocking its path. Remove the obstacle and switch on the wiper again.

## Rain and light sensor

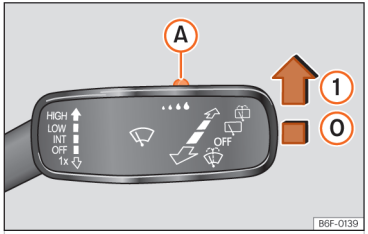


**Fig. 108** Windscreen wipers lever: adjust the rain sensor (A).

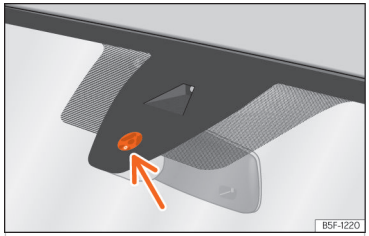


**Fig. 109** Sensitive surface of the rain sensor.

The rain sensor controls the frequency of the windscreen wiper intervals, depending on the amount of rain ››› ⚠.

Push the lever to the desired position ››› Fig. 108.

(0) Rain sensor deactivated.

(1) Rain sensor active; automatic wiping if necessary.

(A) Setting sensitivity level of rain sensor:
– Set control to the right: high sensitivity.
– Set control to the left: low sensitivity.

When the ignition is switched off and then back on, the rain sensor stays on and starts operating again when the windscreen wipers are in position ››› Fig. 108 (1) and the vehicle is travelling at more than 16 km/h (10 mph).

### Abnormal operation of the rain and light sensor

The possible causes of anomalies and erroneous interpretations *in the sensitive surface area* ››› Fig. 109 of the rain sensor are, among others:

- **Damaged wipers**: a film of water on the damaged blades may lengthen the activation time, reduce the washing intervals or result in a fast and continuous wipe.
- **Insects**: the impact of insects may cause the wiper to activate.
- **Salt on the road**: in winter, salt spread on the roads may cause an excessively long wipe when the windscreen is almost dry.
- **Dirt**: dry dust, wax, coating on glass (Lotus effect) or traces of detergent (car wash) may reduce the effectiveness of the rain sensor or make it react more slowly, later or not at all. Regularly clean the sensitive surface of the rain sensor ››› Fig. 109 (arrow) and check for possible damage to the wiper blades.
- **Windscreen crack**: the impact of a stone will trigger a single wipe cycle with the rain sensor on. The rain sensor then detects the reduction of the sensor surface and adjusts itself. The behaviour of the sensor may vary depending on the size of the stone impact.

**⚠ WARNING**

**The rain sensor may not detect rain sufficiently and may not activate the windscreen wipers.**

- **If necessary, switch on the windscreen wipers manually when water hinders the view through the windscreen.**

**Note**

- **The use of an alcohol-based glass cleaner is recommended to remove waxes and coatings.**
- **Do not put stickers on the windscreen in front of the rain sensor. This can cause alterations or failures.**

# Mirrors

## General safety instructions

The exterior and interior mirrors allow the driver to observe vehicles driving behind and adapt his or her driving behaviour accordingly.

For safe driving, it is important for the driver to adjust the exterior mirrors and interior mirror correctly before setting off.

When looking through the exterior mirrors and the interior mirror, it is not possible to see the entire area behind and to the sides of the vehicle. These areas outside the field of view are known as the blind spot. Other road users and objects may be in the blind spot.

**⚠ WARNING**

**Adjusting the exterior mirrors and interior mirror while driving can distract the driver. This could cause accidents and lead to serious injuries**

- **Only adjust the exterior mirrors and interior mirror when the vehicle is stationary.**
- **When parking, changing lanes, overtaking or turning, always keep a close eye on your surroundings, as other road users or objects may also be in the blind spot.**
- **Always make sure that the mirrors are adjusted correctly and that visibility to the rear is not reduced by ice, snow, fogging or other objects.**

**⚠ WARNING**

**A failure to accurately estimate the distance to vehicles driving behind can lead to serious accidents and injuries.**

- **Curved (convex or aspherical) mirrors increase the field of view and objects in them appear smaller and further away.**
- **Curved mirrors do not allow you to precisely calculate the distance to vehicles driving behind, so using them when changing lanes could cause serious accidents and injuries.**

- If possible, use the interior mirror to precisely calculate the distance to vehicles driving behind you, or to other objects.
- Always make sure you have sufficient visibility to the rear.

**⚠ WARNING**

**The automatic anti-dazzle mirrors contain an electrolyte fluid which could leak if the mirror is broken.**

- **If it gets out, the electrolyte fluid can irritate the skin, eyes and respiratory organs, particularly in the case of people with asthma or similar diseases. Immediately inhale enough fresh air and get out of the vehicle, or open all windows and doors if this is not possible.**
- **If the electrolytic fluid comes into contact with your eyes or skin, immediately rinse the affected area with plenty of water for at least 15 minutes and seek medical advice.**
- **If the fluid comes into contact with footwear or clothing, rinse immediately with plenty of water for at least 15 minutes. Clean thoroughly before using the footwear or clothing in question again.**
- **If the electrolytic fluid is swallowed, immediately rinse the mouth with plenty of water for at least 15 minutes. Do not induce vomiting unless advised by a doctor. Immediately seek medical attention.**

**ⓘ NOTICE**

**Electrolyte fluid may leak if the automatic anti-dazzle mirror is broken. This liquid attacks plastic surfaces. Therefore, it should be cleaned as fast as possible with a damp sponge or similar.**

## Interior mirror

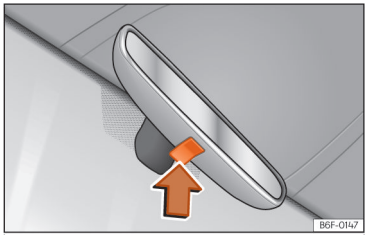


**Fig. 110** Manual anti-dazzle function for rear vision mirror

### Manual anti-dazzle function for interior rear vision mirror

- To darken the rear view mirror, press the mirror button updates ››› Fig. 110 (arrow).
- To return to the basic position, press the back of the button.

### Rear view mirror with automatic anti-dazzle function

When the ignition is switched on, the sensors in the mirror measure the light falling on it from behind and in front.

The interior mirror automatically darkens based on the measured values.

If the light falling onto the sensors is blocked or interrupted, e.g. by a sunshade blind or hanging objects, the automatic anti-dazzle interior mirror does not work or does not work properly. Similarly, the use of portable navigation devices attached to the windscreen or close to the automatic anti-dazzle interior mirror can affect the operation of the sensors ››› ⚠.

The automatic anti-dazzle function is deactivated in certain situations, e.g. when reverse gear is engaged.

**⚠ WARNING**

**Light from screens of portable navigation devices can cause malfunctions of the automatic anti-dazzle interior mirror and may cause serious accidents and injuries.**

- **Abnormal operation of the automatic anti-dazzle function may result in it being impossible to use the interior mirror to precisely calculate the distance to vehicles driving behind, or to other objects.**

## Adjusting the exterior mirrors

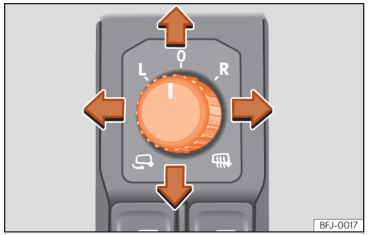


**Fig. 111** Driver's door detail: exterior mirror control.

Turn the control to the corresponding position.

**L / R** By moving the control to the desired position, adjust the rear view mirrors on the left side (**L**) and on the right side (**R**) in the desired direction.

Depending on the equipment fitted on the vehicle, the mirrors may be heated according to the outside temperature.

Fold the mirrors ››› ⚠.

**0** The exterior mirror cannot be adjusted and all functions are deactivated.

### Activating exterior mirror functions

The following exterior mirror functions can be activated and deactivated in the vehicle settings menu of the infotainment system ››› page 40.

**Note**

**The exterior mirror functions are described below. For left-hand drive vehicles, position L corresponds to the exterior mirror on the driver's side and position R corresponds to the exterior mirror on the passenger's side. Do the opposite for right-hand drive vehicles.**

### Synchronized regulation of the exterior mirrors

The synchronised mirror setting simultaneously adjusts the right hand exterior mirror when the left mirror is adjusted

- Turn the control to position **L**[1].
- Adjust the left-hand exterior mirror. The right exterior mirror will be adjusted at the same time (synchronised).
- If necessary, correct the setting of the right hand mirror: turn the control to position **R**[1].

### Folding the exterior mirrors when locking the vehicle

When the vehicle is locked or unlocked from the outside, the exterior mirrors may fold in or out automatically, depending on the equipment. For this purpose, the rotary control has to be in position , **L**, **R**, or **0**.

If the rotary control of the electric exterior mirrors is in the folded position, the exterior mirrors remain folded.

### Memory function

The memory buttons ››› page 126 can be used to save and turn on settings for the exterior mirrors.

The settings will also be saved in the user of the online services.

### Saving the passenger rear view mirror settings for reversing

- Switch the ignition on.
- In the infotainment system, select > **Vehicle > Exterior > Mirrors** ››› page 40.
- Select position **R**[1] on the control.
- Select reverse gear.
- Adjust the front passenger exterior mirror so that you can see, for example, the kerb area well.

[1] Do the opposite in right-hand drive vehicles.

- Release the reverse gear.
- The adjusted position for the rear view mirror is stored.

**Activating the passenger side exterior mirror settings for reversing**

- Turn the exterior mirror control knob to position R[1].
- Engage reverse gear with the ignition switched on. The right-hand exterior rear-view mirror will move to the saved position.

The passenger side exterior mirror leaves the saved reversing position when the vehicle is travelling faster than approx. 15 km/h (9 mph), or if the control is turned from position R to another position.

**⚠ WARNING**

**Folding the exterior mirrors in and out carelessly can cause injury.**

- **Only fold or unfold the exterior mirror if there is no one in the path of the mirror.**
- **When moving the mirror, be careful not to pinch your fingers between the mirror and the mirror holder.**

**NOTICE**

- **Before washing the vehicle in an automatic car wash, please make sure that the exterior mirrors are folded in to prevent them from being damaged.**
- **The electrically folding exterior mirrors must only be operated electrically, not by hand, as this could damage their electric drive.**

**For the sake of the environment**

**Do not leave the exterior mirror heating on for longer than necessary. Otherwise it causes unnecessary energy consumption.**

**Note**

**If the electrical adjustment should fail to operate, both of the mirrors can be adjusted by hand by lightly pressing the edge of the mirror glass.**

# Sun protection

## Sun blind

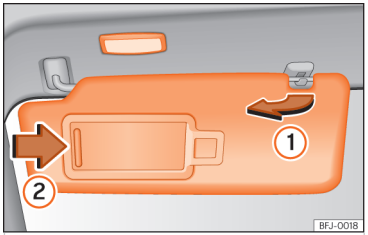


**Fig. 112** Sun visor

**Options for adjusting driver and front passenger sun visors**

- Lower the sun visor towards the windscreen.
- The sun visor can be pulled out of its mounting and turned towards the door ››› Fig. 112 ①.
- Swing the sun visor towards the door, longitudinally backwards.

There is a vanity mirror on the sun visor, with a cover. When the cover is opened ② a light comes on.

The lamp goes out when the vanity mirror cover is closed or the sun visor is pushed back up.

[1] Do the opposite in right-hand drive vehicles.

**⚠ WARNING**

Folded sun blinds can reduce visibility.

- Always store sun blinds and visors in their housing when not in use.

**Note**

The light above the sun visor automatically switches off after a few minutes in certain conditions. This prevents the battery from discharging.

# Air conditioning

## Heating, ventilation and cooling

### Introduction

Depending on the vehicle equipment, the air conditioning systems can be:

- **Climatronic of 1 zone**: heats, ventilates, cools and dehumidifies the passenger compartment considering it as a single air conditioning area.
- **The 3-zone climatronic**: heats, ventilates, cools and dehumidifies the passenger compartment considering it as 3 independent air conditioning areas (driver, front passenger and rear seats).

There are several ways to switch on the air conditioning:

- Press in the air conditioning menu ››› page 147.
- **OR:** by tapping any button in the air conditioning menu directly related to the air conditioning (for example temperatures, etc.).

Some functions and menu tabs depend on the equipment.

### Economic use of the air conditioning

Extra fuel (combustion engines) or electricity (hybrid in electric mode) may be consumed by the compressor while the air conditioning is on.

The air conditioning operates most effectively with the windows and the sunroof closed. However, if the passenger compartment has heated up after standing in the sun for some time, the air inside can be cooled more quickly by briefly opening the windows and the sunroof.

### Operating the air conditioning with voice commands

Depending on the equipment, some of the air conditioning functions can be operated by voice control ››› page 270.

### Passenger recognition function[1)]

The front and rear zone passenger recognition function turns down the air conditioning in these areas if no occupation is detected in them, with the aim of reducing the vehicle's energy consumption.

When the ignition is switched on, the vehicle recognises whether a person is sitting in one of its seats.

The turning down of the air conditioning is indicated as follows:

- *Front passenger area*: on the front passenger temperature setting, which will display **ECO** instead of the selected temperature.
- *Rear area:* On the rear temperature setting, where ECO will be displayed instead of the selected temperature. This turning down of the air conditioning will also be displayed on the control located in the rear area.

### Dust and pollen filter

The dust and pollen filter with its activated charcoal cartridge serves as a barrier against impurities in the air taken into the vehicle interior.

The dust and pollen filter must be changed regularly so that air conditioner performance is not adversely affected.

If the filter loses efficiency prematurely due to use in areas with very high levels of air pollution, the filter must be changed more frequently than stated in the Service Schedule.

### Air vents

To ensure proper heating, cooling and ventilation in the vehicle interior, the air vents must remain open.

There are other additional, non-adjustable air vents in the instrument panel, in the footwells and in the rear area of the passenger compartment.

---

1) Valid for hybrid vehicles.

**⚠ WARNING**

Reduced visibility through the windows increases the risk of serious accidents.

- Always ensure that all windows are free of ice and snow, and that they are not fogged, so as to maintain good visibility of everything outside.
- Only drive when you have good visibility.
- Always ensure that you use the air conditioner and heated rear window to maintain good visibility.
- Never leave the air recirculation on for a long period of time. If the cooling system is switched off and air recirculation mode switched on, the windows can mist over very quickly, considerably limiting visibility.
- Switch air recirculation mode off when it is not required.

**NOTICE**

Food, medicines and other objects sensitive to heat or cold may be damaged or made unsuitable for use by the air coming from the vents.

- Never place food, medicines or other temperature-sensitive objects close to the air vents.

**Note**

- When the cooling system is turned off, air coming from the outside will not be dried. To prevent fogging of the windows, SEAT recommends leaving the cooling system turned on. To do this, press the function button A/C. The icon should light up.
- The maximum heat output required to defrost windows as quickly as possible is only available when the engine has reached its normal running temperature.
- Keep the air intake slots in front of the windscreen free of snow, ice and leaves to ensure heating and cooling are not impaired, and to prevent the windows from misting over.
- The air from the vents flows through the vehicle interior and is extracted by slots in the luggage compartment designed for this purpose. Therefore, you should avoid obstructing these slots with any kind of object.
- It is advisable to turn on the air conditioning at least once a month, to lubricate the system gaskets and prevent leaks. If a decrease in the cooling capacity is detected, a Technical Service should be consulted to check the system.
- When the engine is under extreme strain, switch off the compressor for a moment.

## Climatronic control

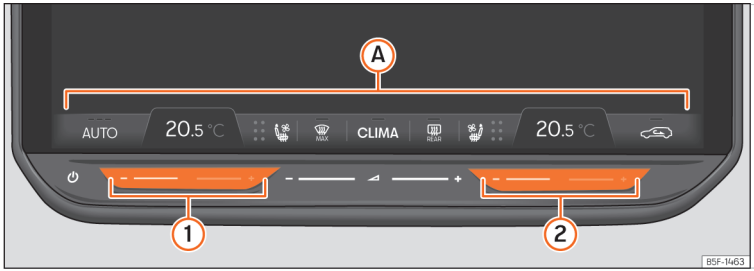


**Fig. 113** Schematic representation: air-conditioning functions.

### Ⓐ Climabar

Fixed bar at the bottom of the Infotainment System screen ››› **Fig. 113** Ⓐ where the following Air Conditioning functions are located:

**Temperature** Tapping on the same numbers opens a pop-up window for temperature settings using the symbols ⊕ or ⊖.
**OR:** use the touch zones ① and ② (blue / red) to adjust the temperature of the Air Conditioning ››› **Fig. 113**.

Tapping on the symbol switches the seat heating on. It can also be controlled via the main **Seats** menu ››› **page 149**.

**OR:** the seat heating can be controlled by tapping with two fingers at once on touch zones ① (for driver) and ② (for passenger)[1].

MAX The defrost/demist function of the Climatronic removes ice and condensation from the windscreen. The air is dehumidified and the fan is set high.
This function is also available on the light control.
When this function is switched on, the rear air conditioning remains switched off.

**CLIMA** By pressing it, you can access the Air conditioning menu ››› **page 147**.

REAR Switches the heated window on or off when the drive system is switched on. It switches off automatically after a maximum of 10 minutes. It should be switched off as soon as the glass is demisted. To avoid possible damage to the battery, an automatic temporary disconnection of this function is possible, coming back on when normal operating conditions are re-established.
This function is also available on the light control.

### Favourites[1]

With the exception of temperatures, seat heating, **CLIMA**, MAX and REAR, all other buttons on the Climabar are customisable:

1. Press and hold the button that you want to configure. A box showing all the possible options drops down.

[1] Available depending on equipment.

2. Select one of these options. The button will be configured with this option.
3. Close the box to return to the infotainment menu.

## Air Conditioning Menu

**Fig. 114** Schematic representation: Air conditioning menu.

The following functions are available in the **Air conditioning** menu, depending on the equipment:

### Front submenu

Submenu for the air conditioning in the front of the passenger compartment where the following functions are found:

Switching the Climatronic off/on ››› Fig. 114 Ⓐ.

**SYNC** Synchronises the temperature settings from the driver's side to the front passenger and/or rear area. Activates the temperature control for the passenger side ››› Fig. 113 ② and/or rear zone to set a different temperature.

**Vents** The colour represented by the arrows in the image of the vehicle interior indicates the temperature requested depending on the ambient conditions, not the air outlet temperature.
The direction of the air outlet is selected with the buttons ››› Fig. 114 Ⓑ.

Switching air recirculation on and off ››› page 148.

Manual steering wheel heating setting with three heating levels. Press the function button repeatedly to achieve the desired level. To disconnect it, press several times until no LED is on ››› page 150.

**A/C** Switching the cooling and demisting system on/off.

**A/C MAX** Switching the maximum cooling output on and off. The air recirculation mode switches on automatically and the Climatronic automatically directs the air to the upper body.

**AIR CARE** The air conditioning system contains a filter that can reduce allergen contaminants. When the Air Care function is activated, the recirculation mode is on and the

air is regulated automatically and continuously, as long as there is no detection of fogging hazard.
Information ℹ about the AirCare system can be found in the Settings submenu ⚙.

Manual adjustment of fan speed by tapping ✻ or ✻.
**OR:** by pressing or sliding your finger on the lines until the desired fan speed is reached.

**AUTO** In this mode, the system automatically regulates the interior temperature, fan speed and air distribution for optimal thermal comfort. The **AUTO** mode will deactivate as soon as manual changes are made to the fan speed, air distribution, windscreen demisting or air recirculation. Fan speed in **AUTO** mode can be set in *low, medium or high* by successively tapping the function **AUTO** button.

### iClimate submenu

Submenu where different smart and/or automatic functionalities are located, depending on the version.

Warm hands: automatically adjusts for a certain time the air conditioning to heat the steering wheel area.

Cool feet: automatically adjusts for a certain time the air conditioning to cool the footwell area.

Defog the windows: automatically adjusts for a certain time the air conditioning to defog the windscreen.

Warm feet: automatically adjusts for a certain time the air conditioning to heat the footwell area.

Fresh Air: automatically adjusts for a certain time the air conditioning to ventilate the passenger compartment.

Fast cooling: automatically adjusts the air conditioning to ventilate the vehicle interior for a certain amount of time.

### Rear Submenu

Submenu for the air conditioning in the rear of the passenger compartment where the following functions are found:

When the rear lock is activated on, it is not possible to adjust the temperature from the rear zone.

⊕/⊖ Press to adjust the rear zone temperature.

### ⚙ Settings submenu

Submenu where the following settings are located:

- Automatic recirculation: to switch automatic air recirculation on and off ››› page 148.
- Heated steering wheel switched on at start of journey depending on temperature: Press ⊂● to switch the function on/off ››› page 150.

## Rear controls

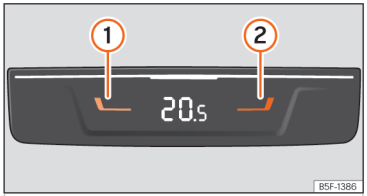


**Fig. 115** In the centre console, rear section: controls for the rear seats.

### Temperature selection

- Press buttons ① and ② ››› Fig. 115 to adjust the temperature of the rear zone.

## Air recirculation

Air recirculation mode prevents the ambient air from entering the interior.

When the outside temperature is very high, you can select air recirculation for a short period of time to refresh the vehicle interior more quickly.

For safety reasons, air recirculation is disconnected when MAX is pressed or when a sensor detects that the vehicle's windows may mist up.

### Switching air recirculation on and off

- Press the button to switch air recirculation on or off.

**⚠ WARNING**

**Stuffy or used air will increase fatigue and reduce driver concentration possibly resulting in a serious accident.**

- **Never leave the fresh air fan turned off or use the air recirculation for long periods of time; the air in the vehicle interior will not be refreshed.**

**NOTICE**

**In vehicles with an air conditioner, do not smoke when air recirculation is switched on. The smoke may be deposited on the cooling evaporator and on the active combination filter and cause permanent unpleasant odours.**

**Note**

**When the outside temperature is very high, briefly switching on the air recirculation mode helps to cool the vehicle interior more quickly.**

## Seat heating

The front seats have three levels of electric heating.

### Controlling seat heating

Press the icon on the Climabar (A) to open the seat heating menu.

- Press the left or right seat icon to connect the seat heating to maximum power.
- Press the left or right seat icon repeatedly until the desired level is adjusted.
- To switch off seat heating, press the corresponding seat icon several times until no LED is on.
- You can also adjust the seat heating level by using **two** fingers to press the sensor field (1) or (2) (left or right seat).

If the ignition is switched on again in approx. the next 10 minutes, the driver seat heating is automatically turned on to the level set the last time.

### Smart heated seat

This is an smart function that automatically activates and regulates the driver and front passenger seat heating for greater comfort.

The seat heating for the driver's seat and front passenger seat can be adjusted separately to achieve fully personalised comfort.

To access the smart heated seats function, the SEAT CONNECT personalisation service must first be activated ››› page 252.

- To switch the function on/off, select > **Seats > Settings > Use of the driver/front passenger smart heated seats.**

The smart heated seats function requires a period for learning usage habits. Information about the start of the learning process is shown in the seat heating submenu on the Infotainment display. During this process, the status **LEARNING** will be displayed, and its evolution will also be shown by a progress bar.

Seat heating level 3 (maximum) needs to be used to ensure that habits are learned correctly.

During the learning period, it is advisable to use the seat heater at different outside temperatures to achieve optimal performance of the smart heated seats.

The system will not learn about the use of the seat heating if it is used straight after using the seat heating with stationary air conditioning.[1]

Once the learning period is over, the heated seats are turned on and their temperature level adjusted automatically. The status **AUTO** is displayed in the seat heating submenu.

To optimise the temperature provided by the system during automatic adjustment (**AUTO**), manually set the three seat heating levels to optimise the function. The optimisation process will be displayed in the seats submenu of the infotainment display (**Optimizing**).

[1] Only valid for hybrid vehicles (extended stationary air conditioning).

To reset the process and start the learning period, go to the submenu **Settings > Reset driver / front passenger profile**.

### Cases in which heat seating should not be switched on

Do not switch seat heating on if any of the following conditions are met:

- The seat is occupied by a person with limited perception of pain or temperature.
- The seat is not occupied.
- The seat has a cover.
- A child seat has been installed on the seat.
- The seat cushion is wet or damp.
- The outdoor or indoor temperature is higher than +25°C (77°F).

**⚠ WARNING**

**People who cannot perceive pain or temperature because of medications, paralysis or chronic diseases (e.g. diabetes) or have a limited perception of these, may suffer burns to the back, buttocks or legs when using seat heating.**

- **People with limited pain and temperature thresholds must never use seat heating.**
- **If an abnormality in the device's temperature control is detected, have it checked by a specialist workshop.**

**⚠ WARNING**

**If the fabric of the cushion is wet, this can adversely affect the operation of the seat heating, increasing the risk of burns.**

- **Make sure the seat cushion is dry prior to using the seat heater.**
- **Do not sit on the seat with clothing that is wet or damp.**
- **Do not leave clothing that is wet or damp on the seat.**
- **Do not spill liquids on the seat.**

**NOTICE**

- **To avoid damaging the heating elements of the seat heaters, please do not kneel on the seat or apply sharp pressure to a single point on the seat cushion or backrest.**
- **Liquids, sharps objects and insulating materials (e.g. covers or child seats) can damage the seat heating.**
- **In the event of odours, switch off seat heating immediately and have it inspected by a specialised workshop.**
- **If the original seat upholstery is replaced by another material, seat heating may overheat or its operation may be limited.**

**For the sake of the environment**

**Seat heating should remain on only when needed. Otherwise, it is unnecessary energy consumption.**

**Note**

**Please note the following for the smart heated seats feature:**

- **The system may reset the learning process if it has not been satisfactory.**
- **Separate driver's seat learning will be required for each registered user.**
- **The passenger seat learns regardless of the active registered user.**
- **In hybrid vehicles the use of the stationary air conditioning function with electricity consumers** ››› **page 156 may affect the learning time of the function.**

## Steering wheel heating

The selected steering wheel heating level will be displayed on the instrument cluster display and in the air conditioning menu.

### Adjusting steering wheel heating by pressing on the multifunction steering wheel

- *Short press (less than 1 second):*

Heating is switched on at its maximum level. Press the steering wheel button repeatedly to set the desired level. To switch off steering wheel heating, press the steering wheel button repeatedly until the heated steering wheel OFF icon is displayed on the instrument cluster.

- *Long press (more than 1 second):*

Heating is switched off directly from the current operating level. Another long press on the button switches on heating directly at the last level saved before switching off.

### Adjusting steering wheel heating via the infotainment system

- In the air conditioning menu, press the steering wheel heating function button . Heating is switched on at its maximum level.
- Press the function button repeatedly to set the desired level.
- To switch off steering wheel heating, press the function button several times until no LED is on.

### Automatic disconnection

Steering wheel heating will be switched off automatically when any of the following conditions are met:

- Electrical energy consumption is too high.
- The steering wheel heating system is faulty.
- If the ignition is switched off.

## Parking ventilation

With the parking ventilation function (depending on equipment), the passenger compartment can be ventilated.

The power required for parking ventilation will be provided by the vehicle's 12V battery.

The ventilation function is controlled using the My SEAT App.

### Connecting parking ventilation

The function will be switched on as follows:

- The parking ventilation function can be switched on immediately using the immediate on/off button.
- By programming a departure time.

In the event of low level charge of the 12V battery, the parking ventilation will not turn on.

### Disconnecting parking ventilation

The parking ventilation will turn off in the following situations:

- When the operating time for the immediate on/off mode has elapsed.
- The parking ventilation function can be switched off immediately using the immediate on/off button in the My SEAT App.
- When the scheduled departure time has been reached.

The maximum operating period of the parking ventilation is 60 min.

### Programming a departure/trip start

The activation of the parking ventilation for a scheduled time is only valid for a single ventilation process. The departure time must be for each newly programmed ventilation process.

Before programming the departure time, you must check that the date and time of the car are correctly set.

When programming a departure time, the car automatically calculates, depending on the environmental conditions, the necessary operating time of the parking ventilation.

**NOTICE**

**Foods sensitive to heat or cold, medications and other objects can be damaged by the airflow.**

- **Do not place any type of food, medicines or other temperature sensitive items in front of the ventilation slots.**

**Note**

**If parking ventilation works repeatedly for long periods of time, the 12V battery charge level will drop. It is advisable to take the vehicle for a long drive to recharge the battery.**

## Troubleshooting

### The cooling system cannot be switched on or its operation is limited

If the air conditioning system cannot be switched on, this may be caused by the following:

- The engine is not running.
- The fan is switched off.
- The air conditioner fuse has blown.
- The outside temperature is lower than approximately 0°C (+32°F).
- The air conditioner compressor has been temporarily switched off because the engine coolant temperature is too high.
- Another fault in the vehicle. Have the air conditioner checked by a specialised workshop.

### Change the temperature unit (Climatronic)

The temperature display can be changed from Celsius to Fahrenheit on the Infotainment system screen using the function button ⊞ > **Settings > Units**.

### Water or water vapour under the vehicle

If the humidity and temperature outside the vehicle are high, **condensation** can drip off the evaporator in the cooling system and form a pool underneath the vehicle. This is normal and does not indicate a leak!

When the outside humidity is high and the ambient temperature is low, condensation water may evaporate when the stationary air conditioning is operating. In this case, steam may come out from under the vehicle. This does not mean that the vehicle has any damage.

**Note**

**After starting the engine, any residual humidity in the air conditioner could mist over the windscreen. Switch on the defrost function as soon as possible to clear the windscreen of condensation.**

# Auxiliary heating (additional heating)

## Introduction

The auxiliary heater runs on fuel from the vehicle's tank and can be used while you are driving and when the vehicle is stationary.

The auxiliary heater can be controlled through the auxiliary heating menu in the Infotainment system, through the My SEAT App or with the remote control.

In winter, with the auxiliary heater switched on, you can defog the windscreen and leave it free of ice and snow (if it is a thin layer) before you start driving.

If the outside temperature is very high, the vehicle interior can be ventilated with the engine off using the auxiliary heater.

The maximum operating period of the parking ventilation is 60 min.

**⚠ WARNING**

**The exhaust gases from auxiliary heating contain carbon monoxide, a toxic, colourless and odourless gas. Carbon monoxide can cause loss of consciousness and death.**

- **Never switch on the auxiliary heater or leave it running in enclosed spaces or areas with no ventilation.**
- **Never program the auxiliary heating to switch on and operate in an enclosed or unventilated space.**

**⚠ WARNING**

**The components of the auxiliary heater are extremely hot and could cause a fire.**

- **Always park your vehicle so that no part of the exhaust system can come in contact with easily flammable materials that might be below the vehicle, such as dried grass.**

**NOTICE**

**Never place food, medicines or other temperature-sensitive objects close to the air vents. Food, medicines and other objects sensitive to heat or cold may be damaged or made unsuitable for use by the air coming from the vents.**

## Switching the auxiliary heater on and off

### Connection

The independent heating can be connected in the following ways:

- Press the immediate on/off button in the My SEAT App.
- Press the immediate on/off button in the infotainment system's departure menu (with the vehicle switched off) or the on/off button in the infotainment system's auxiliary heating menu (with the vehicle switched on).
- Press button on the remote control ››› page 153.
- Automatically scheduling a departure time in the auxiliary heater menu in the infotainment system or in My SEAT App ››› page 155.

### Disconnection

The independent heating can be switched off in the following ways:

- The auxiliary heating function can be turned off immediately using the immediate on/off button in My SEAT App.
- Press the immediate on/off button in the infotainment system's departure menu (with the vehicle switched off) or the on/off button in the infotainment system's auxiliary heating menu (with the vehicle switched on).
- Press button **OFF** on the remote control ››› page 153.
- Automatically at the scheduled departure time or after the programmed operating time has elapsed .
- Automatically when the control lamp (fuel level indicator) lights up.
- Automatically when the 12-volt battery charge drops too low ››› page 349.

### Setting the desired temperature

- Open the infotainment system's **Auxiliary heating** menu.
- Set the desired temperature using ⊕ and ⊖.

### Things to note

Once switched off, the auxiliary heater will continue to operate for a short period of time in order to burn the fuel remaining in the system and also to expel the exhaust fumes.

## Radio-operated remote control

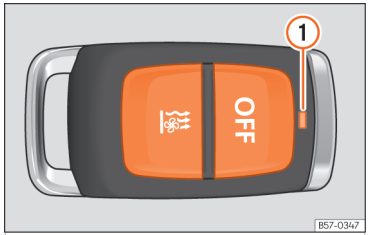


**Fig. 116** Independent heating: radiofrequency remote control key

››› Fig. 116

- Switch the auxiliary heater on
- **OFF** Switch the auxiliary heater off
- (1) Control lamp

If the buttons of the remote control are pressed unnecessarily, it could switch on the auxiliary heater involuntarily, even when it is out of range or when the control lamp is flashing.

To switch on and off the independent heating, the button must be pressed and held for approximately 1 second.

### Control lamp on the remote control

When the buttons are pressed, the control lamp on the remote control (1) provides the user with different information:

**It lights up for approx. 2 seconds**

- *In green:* The auxiliary heater has been switched on using the button.
- *In red:* The auxiliary heater has been switched off using the OFF button.

**Flashes slowly for approx. 2 seconds**

- *In green:* No on signal has been received. The remote control is out of range. Move closer to the vehicle.
- *In red:* No off signal has been received. The remote control is out of range. Move closer to the vehicle.

**Flashes quickly approx. 2 seconds**

- *In green:* The independent heating is blocked. Possible causes: the fuel tank is almost empty, the 12-volt battery charge is very low or there is a fault.

**It lights up for approx. 2 seconds**

- *In orange (then in green or in red):* The remote control battery is almost flat. However, the on or off signal has been received.
- *In orange (then flashes green or red):* The remote control battery is almost flat. No on or off signal has been received.

**Flashes for around 5 seconds**

- *In orange:* The remote control battery is flat. No on or off signal has been received.

**Changing the battery of the radio-operated remote control**

When pressing the buttons, if the control lamp of the remote (1) flashes for approx. 5 orange or does not light up, the batteries must be replaced.

The battery is located beneath a cover on the back of the remote control.

- To open the cover, lift it slightly at the bottom and slide it down.
- Remove the old battery.
- Insert the new battery. When doing so, take into account the polarity and use batteries of the same type ››› ⓘ.
- Replace the battery cover by inserting the tabs at the top and pressing the bottom.

**Range**

The receiver is inside the vehicle. The remote control, when fitted with new batteries, has a range of several hundred metres. Obstacles between the remote control and the vehicle, bad weather conditions and discharged batteries can considerably reduce the range of the remote control.

**⚠ WARNING**

**Swallowing a battery with a 20 mm diameter or any other button battery can cause serious and even fatal injuries within a very short time.**

- **Always keep the remote control, keyrings with batteries, the spare batteries, button batteries and all other batteries over 20 mm out of reach of children.**
- **If you suspect that someone may have swallowed a battery, seek immediate medical attention.**

**ⓘ NOTICE**

- **The radio frequency remote control contains electronic components. Therefore, avoid getting it wet and exposing it to knocks or direct sunlight.**
- **The use of inappropriate batteries may damage the radio frequency remote control. For this reason, always replace the used battery with another of the same voltage, size and specifications.**

**For the sake of the environment**

- **Please dispose of your used batteries correctly and with respect for the environment.**
- **The remote control battery may contain perchlorate. Observe the legal provisions regarding disposal.**
- **Care should be taken so as not to operate the remote control unintentionally so as to prevent the auxiliary heater being switched on accidentally.**

## Programming the auxiliary heater

The activation of the parking ventilation for a scheduled time is only valid for a single ventilation process. The departure time must be for each newly programmed ventilation process.

Before programming the departure time, you must check that the date and time of the vehicle are correctly set.

When programming a departure time, the vehicle automatically calculates, depending on the environmental conditions, the necessary operating time of the parking ventilation.

**WARNING**

**Never programme the auxiliary heater so that it switches itself on and is running in an enclosed space or an area with no ventilation. The auxiliary heater exhaust fumes contain carbon monoxide, an odourless and colourless toxic gas. Carbon monoxide can cause people to lose consciousness. It can also cause death.**

## Usage instructions

The auxiliary heater exhaust system located below the vehicle must be kept clear of snow, mud and other objects. The exhaust fumes must be able to exit freely. The emissions generated by the auxiliary heater are removed via an exhaust pipe fitted underneath the vehicle.

On heating the vehicle interior, depending on the outside temperature, the warm air is first directed at the windscreen and then to the rest of the vehicle interior through the air vents. Directing the vents – towards the windows for example – can affect air distribution.

### When the auxiliary heater is not switched on

- The auxiliary heater requires about as much power as the dipped beam headlights. If the 12-volt battery charge is too low, the auxiliary heater switches off automatically and cannot be switched on. This avoids problems when starting the engine.
- The heating must be activated every time you want to set off. Similarly, the departure time must reactivate each time.
- The control lamp ⛽ (fuel level indicator) lights up.

**Note**

- **Noises will be heard while the auxiliary heater is running.**
- **When the air humidity is high and the inside temperature low, condensation from the heating and ventilating system may evaporate when the auxiliary heater is switched on. In this case, steam may be released from underneath the vehicle. This does not mean that there is a vehicle malfunction.**
- **If the vehicle is tilted, e.g. if parked on a slope, the operation of the auxiliary heater may be restricted if the fuel tank level is low (just above the reserve level).**
- **If the auxiliary heater is used a number of times for a long period of time, the 12-volt battery will lose its charge. To recharge the battery, the vehicle must be driven for a number of kilometres from time to time. As a guideline: the journey should last approximately as long as the heater was connected.**
- **At temperatures below +5 °C (+41 °F), the auxiliary heater may switch itself on automatically when the engine is switched on. The auxiliary heater is switched off again after a certain time.**

# Stationary air conditioning

## Introduction

✓ Valid for: hybrid vehicles.

With the stationary air conditioning you can cool, ventilate and heat the passenger compartment while the vehicle is parked. In winter, you can also demist the windscreen and leave it free of ice and snow (if the layer is thin).

The stationary air conditioning is powered through a socket or the vehicle's high voltage battery. The stationary air conditioning can be programmed and controlled in the infotainment system or via the My SEAT App.

You can find information about the app, its availability and the necessary requirements for its use, as well as compatible terminals, on the Internet ››› page 250.

**NOTICE**

**Never place food, medicines or other temperature-sensitive objects close to the air vents. Food, medicines and other objects sensitive to heat or cold may be damaged or made unsuitable for use by the air coming from the vents.**

**Note**

**Using the stationary air conditioning without connecting the charging cable reduces the vehicle's range. At extreme exterior temperatures, the heating or cooling power of the stationary air conditioning may be insufficient to reach the desired temperature.**

## Managing the stationary air conditioning

✓ Valid for: hybrid vehicles.

The stationary air conditioning only works if the high voltage battery is sufficiently charged.

The stationary air conditioning can be used without the charging connector being plugged in. When the charging connector is not plugged in, the stationary air conditioning receives the necessary electrical power from the high-voltage battery.

### Setting the desired temperature

- Open the infotainment system's **Stationary air conditioning** menu.
- Tap **Air conditioning**.
- Set the desired temperature using ⊕ and ⊖

### Switching on the stationary air conditioning

It can be switched on in the following ways:

- Press the immediate on icon in the Infotainment system (while the vehicle is switched off). During immediate air conditioning, the vehicle reaches the set temperature in a maximum of 30 minutes.
- Press the immediate on/off button in the My SEAT App.
- Automatically by scheduling a departure time in the My SEAT App or in the infotainment system in the **Stationary air conditioning** ››› page 157menu.

### Switching off the stationary air conditioning

In can be switched off in the following ways:

- Press the immediate on/off button in the My SEAT App.
- Press the immediate on/off icon in the infotainment system (while the vehicle is switched off).
- Press the air conditioning off button in the **Air conditioning** menu of the infotainment system (while the vehicle is off).
- Automatically, a few minutes after the scheduled departure time.
- Automatically if the charge level of the vehicle's high-voltage battery drops excessively.

**Note**

- **Noises will be heard while the stationary air conditioning is running.**
- **When the outside humidity is high and the ambient temperature is low, condensation from the air conditioning system may evaporate when the stationary air conditioning is running. In this case, steam may come out from under the vehicle. This does not mean that there is an fault in the vehicle.**

## Programming the stationary air conditioning

✓ Valid for: hybrid vehicles.

The stationary air conditioning can be programmed in the Infotainment system for a scheduled departure time. You can set the desired temperature of the vehicle interior for the vehicle's planned departure time.

Based on the desired temperature, the vehicle calculates the time that the stationary air conditioning needs to be switched on to reach this temperature by the departure time. The maximum pre-operation time of the stationary air conditioning is approx. 30 minutes before the departure time.

### Air conditioning the vehicle for departure

- Open the **Stationary air conditioning** menu.
- Press **Exit** to open the timer menu.
- Set the scheduled departure time.
- Activate the timer using the checkbox.

The earliest scheduled departure time is displayed in the infotainment system's departure menu, and can be switched on and off there ››› page 42.

### The stationary air conditioning switches off automatically

- After approx. 30 minutes if the vehicle is air-conditioned by immediate air-conditioning while the ignition is switched off.
- After approx. 15 minutes if the drive system has not been switched on by one hour after the scheduled departure time.
- When the state of charge of the high voltage battery drops excessively.

### Extended stationary air conditioning

If air conditioning for departure is to be used, the electrical convenience consumers, such as seat heating, steering wheel heating or the heated rear window, can also be switched on automatically before the departure time. The electrical convenience consumers depend on the equipment. They are only activated in low temperature conditions.

To enable the use of these consumers:

- Open the **Stationary air conditioning** menu.
- Tap **Air conditioning**.
- Select the seats whose convenience consumers should be connected along with the stationary air conditioning. Only these seats will be heated before the departure time.
- To turn on the window heating before the departure time, activate the **Automatic window heating** function

The maximum pre-operation time of the electrical convenience consumers is approx. 10 minutes before the departure time.

If the air conditioning is switched on immediately, the electrical convenience consumers are also activated.

### Immediate activation of the rear window heating

The heated windscreen can be switched on/off using the My SEAT App , whether or not the stationary air conditioning is switched on.

### Air-conditioning the vehicle after unlocking it

- Open the infotainment system's **Stationary air conditioning** menu.
- Press **Settings**.
- Check the **Air condition the vehicle after unlocking** check box by pressing it.

The vehicle will be air-conditioned for 5 minutes as soon as you unlock the vehicle door.

Air conditioning of the vehicle after unlocking is not possible if the vehicle is being charged with alternating current (AC).

### Check the schedule

When the ignition is switched off, the infotainment system displays the next time that is active and the set functions.

# Driving

## Driving indications

### Pedals

- Ensure that you can always press the accelerator, brake and clutch pedals unimpaired to the floor.
- Ensure that the pedals can return unimpaired to their initial positions.
- Ensure that the floor mats are securely fastened during the trip and do not obstruct the pedals ››› ⚠.

Only use floor mats which leave the pedals clear and which are secured to prevent them from slipping. You can obtain suitable floor mats from a specialised dealership. Fasteners for floor mats are fitted in the footwells.

#### Wear suitable footwear

Always wear shoes which support your feet properly and give you a good feeling for the pedals.

**⚠ WARNING**

- **Restricting pedal operation can lead to critical situations while driving.**
- **Never lay or fit floor mats or other floor coverings over the original floor mats. This would reduce the pedal area and could obstruct the pedals. Risk of accident.**
- **Never place objects in the driver footwell. An object could move into the pedal area and impair pedal operation.**

### Selecting the optimal gear

Depending on the equipment on the instrument panel screen, a recommendation is shown with the gear that should be engaged to optimise consumption.

On vehicles with *automatic transmission*, it is only displayed when driving in Tiptronic mode ››› page 178.

No recommendation will appear if the optimal gear is engaged. The current gear will be displayed.

| Display | Meaning |
|---|---|
| 3 | Optimum gear. |
| 4 ▶ 5 | Changing to a higher gear is recommended. |
| 2 ▶ 1 | Changing to a lower gear is recommended. |

#### Information regarding the "cleanliness" of the particulate filter

When the exhaust system detects that the particulate filter is close to saturation, this system's self-cleaning function recommends the optimal gear for that function ››› page 321.

**⚠ WARNING**

**The gear change recommendation is an auxiliary function and in no case should be a substitute for careful driving.**

- **Responsibility for selecting the correct gear, depending on the circumstances, rests solely with the driver.**

**For the sake of the environment**

**Selecting the correct gear can help to save fuel.**

**Note**

**The recommended gear display turns off when you are no longer in tiptronic mode.**

### Economical and environmentally friendly driving

Fuel consumption, environmental pollution and wear to the engine, brakes and tyres all depend largely on driving style. Consumption can be reduced between 10-15% with an efficient driv-

ing type. The following section gives you some tips on lessening the impact on the environment and reducing your operating costs at the same time.

### Active cylinder management (ACT®)

Depending on vehicle equipment, the active cylinder management (ACT®) may deactivate some of the engine cylinders if the driving situation does not require too much power. The number of active cylinders can be seen on the instrument panel display ››› page 17.

### Foresight when driving

If you think ahead when driving, you will need to brake less and thus accelerate less. Take advantage of the inertia of the vehicle whenever possible, with a **gear engaged**. This takes advantage of the engine braking effect, reducing wear on the brakes and tyres. Emissions and fuel consumption will drop to zero.

### Changing gear to save energy

An effective way of saving is to change *in advance* to a higher gear.

*Manual gearbox:* change from first to second gear as soon as possible. Choosing the correct gear saves fuel. Select the highest possible gear suitable for the driving situation (the engine should continue to run with cyclical regularity).

*Automatic transmission:* accelerate gradually and without reaching the "kick-down" position.

### Avoid driving at high speed

Avoid travelling at your vehicle's top speed, whenever possible. Fuel consumption, emission of harmful gases and noise pollution multiply as speed is increased. Driving at moderate speeds will help to save fuel.

### Reduce idling time

In vehicles with the Start-Stop system idling is automatically reduced. In vehicles without the Start-Stop system it is worth switching off the engine, for example, at level crossings and at traffic lights that remain red for long periods of time. When an engine has reached operating temperature, and depending on the cylinder capacity, keeping it switched off for a minimum of about 5 seconds already saves more than the amount of fuel necessary for restarting.

The engine takes a long time to warm up when it is idling. Mechanical wear and pollutant emissions are also especially high during this initial warm-up phase. It is therefore best to drive off immediately after starting the engine. Avoid running the engine at high speed.

### Regular maintenance

Regular servicing helps in saving fuel even before the engine is started. A well-serviced engine gives you the benefit of **improved fuel efficiency** as well as maximum reliability and an enhanced resale value. A badly serviced engine can consume up to 10% more fuel than necessary.

### Avoid short journeys

The engine and catalytic converter need to reach their optimal **operating temperature** in order to minimise fuel consumption and emissions.

A cold engine consumes a disproportionate amount of fuel. The engine reaches its working temperature after about four kilometres (2.5 miles), when fuel consumption will return to a normal level.

### Check tyre pressure

Always make sure the tyres are inflated to the correct pressures ››› page 360 to save fuel. If the pressure is below half bar, fuel consumption may increase by 5%. Due to the greater rolling resistance, under-inflation also increases tyre wear and impairs handling.

Do not use winter tyres all year round as they increase fuel consumption by up to 10%.

### Avoid carrying unnecessary loads

Given that every kilo of extra **weight** will increase the fuel consumption, it is advisable make sure that no unnecessary loads are being transported.

Since the luggage rack increases the **aerodynamic drag** of the vehicle, you should remove it when not needed. At speeds of 100-120 km/h (62-75 mph), this will save 12% of fuel.

### Save electrical energy

The engine drives the alternator, thereby generating electricity. This implies that any increase in power consumption also increases fuel consumption! For this reason, switch off any unneeded electrical devices. Devices that use a lot of electricity include the blower at a high setting, the rear window heating or the seat heating.

*Plug-in hybrid drive:* brake early and evenly to take advantage of energy recovery.

**Note**

- **If you have the Start-Stop system, it is recommended that it should not be disconnected.**
- **It is recommended that you close the windows when driving at more than 60 km/h (37 mph).**
- **Do not drive with your foot resting on the clutch pedal, as the pressure can make the plate slip. This causes wear and can damage the clutch plate.**
- **Do not ride the clutch on a hill, use the brake. The fuel consumption will be lower and you will prevent the clutch plate from being damaged.**
- **Use the engine brake on downhills by changing to the gear that is best suited for the gradient. Fuel consumption will be "zero" and the brakes will not suffer.**

## Driving with a loaded vehicle

In order to achieve appropriate driving characteristics when the vehicle is loaded, please note the following:

- Place all luggage securely ››› page 292.
- Accelerate with particular care and precaution.
- Avoid sudden braking and manoeuvres.
- Brake earlier than usual.
- If applicable, please note the information about the roof rack ››› page 302.

**⚠ WARNING**

**Loads that move around could seriously threaten the vehicle's stability and safety, extend the braking distance during hard or emergency braking and lead to serious accidents and injuries.**

- **Secure the load correctly to prevent it from moving around.**
- **Secure heavy objects with suitable lashing straps or tie-down belts.**
- **Ensure that the rear seat backrests are securely engaged.**

## Driving with the rear lid open

Driving with the rear lid open is particularly dangerous. Secure all objects and the open rear lid correctly and take any necessary measures.

Driving with the rear lid open increases the aerodynamic drag of the vehicle, along with fuel consumption. It is therefore recommended that you do not drive with the rear lid open.

**⚠ WARNING**

**Driving with the rear lid unlocked or open can cause serious injury.**

- **Always drive with the rear lid closed.**
- **Place all objects securely inside the luggage compartment. Otherwise, loose objects could fall out of the luggage compartment and injure road users driving behind.**
- **Always drive carefully and with special care and anticipation.**
- **Avoid braking and sudden manoeuvres, as the open rear lid could move uncontrollably.**
- **When transporting objects that protrude from the luggage compartment, mark them accordingly to warn other road users. Please bear in mind all legal provisions.**
- **Never use the rear lid to support or secure objects protruding from the luggage compartment.**

- **If a luggage rack is fitted on the rear lid, remove it and the load when you have to drive with the rear lid open.**

**NOTICE**

**An open rear lid changes the height and, in some cases, the length of the vehicle.**

**Note**

**Depending on the country, it may be forbidden to drive with the rear lid open. Please observe the legal regulations of the country in question.**

## Driving on flooded roads

To prevent damage to the vehicle driving on flooded roads, take the following into account:

- Water should **never** come above the lower edge of the bodywork.
- Drive at pedestrian speed.
- Never stop the vehicle in the water, drive in reverse or stop the engine.
- Vehicles driving in the opposite direction form waves that can raise the water level so high that your vehicle will not be able to cross the water safely.

**WARNING**

**After driving through flooded zones, braking effectiveness can decrease if the brake discs or pads are damp** ››› page 185.

**Note**

- **Driving through flooded areas may severely damage vehicle components such as the engine, drive train or electrical system.**
- **Avoid driving through salt water (corrosion)** ››› page 378.
- **Whenever driving through water, the Start-Stop system must be switched off** ››› page 173.

## Running in

Please observe the instructions for running-in new components.

### Running-in the engine

A new engine must be driven through a run-in period during its first 1500 kilometres (1000 miles). During its first few hours of running, the internal friction in the engine is greater than later on when all the moving parts have bedded down.

How the vehicle is driven for the first 1500 km (1000 miles) influences the future engine performance. Throughout the life of the vehicle, it should be driven at a moderate speed (especially when the engine is cold) this will reduce engine wear and increase its useful life. Never drive at extremely low engine speeds. Always engage a lower gear when the engine works "irregularly". **For the first 1000 km or 600 miles, please note:**

- Do not use full throttle.
- Do not force the engine above two thirds of its maximum speed.
- Do not tow a trailer.

**Between 1000 and 1500 kilometres (600 to 1000 miles)**, *gradually* increase power until reaching the maximum speed and high engine speeds.

### Running in new tyres and brake pads

- Replacement of wheel rims and new tyres ››› page 359.
- Information about brakes ››› page 185.

**For the sake of the environment**

**If the engine is run in gently, the life of the engine will be increased and the engine oil consumption reduced.**

## Four-wheel drive (4Drive)

On four-wheel drive models, the engine power is distributed to all four wheels

### General notes

On four-wheel drive vehicles, the engine power is distributed to all four wheels. The distribution of power is controlled automatically according to your driving style and the road conditions. See also ››› page 186.

The four-wheel drive is specially designed to complement the superior engine power. This combination gives the vehicle exceptional handling and performance capabilities, both on normal roads and in more difficult conditions, such as snow and ice. Even so (or perhaps especially for this reason), it is important to observe certain safety points ››› ⚠.

### Winter tyres

Thanks to four-wheel drive, your vehicle will have plenty of traction in winter conditions, even with the standard tyres. Nevertheless, we still recommend that winter tyres or all-season tyres be fitted on all four wheels to give even better braking response.

### Snow chains

On roads where snow chains are mandatory, this also applies to cars with four-wheel drive ››› page 363.

### Changing tyres

On vehicles with four-wheel drive, all four tyres must have the same rolling circumference. Also avoid using tyres with varying tread depths ››› page 359.

### Off-roader?

Your SEAT vehicle is not an off-roader: in fact, the ground clearance is not enough to be used as such. Avoid consequently rough tracks and uneven terrain.

**⚠ WARNING**

- **Even with four-wheel drive, you should always adjust your speed to suit the conditions. Do not let the extra safety features tempt you into taking any risks when driving. Accident hazard!**
- **The braking capability of your vehicle is limited by the tyres' grip. It is therefore no different from a car without four-wheel drive. So do not be tempted to drive too fast on firm or slippery roads just because the vehicle still has good acceleration in these conditions. Accident hazard!**
- **On wet roads bear in mind that the front wheels may start to "aquaplane" and lose contact with the road if the car is driven too fast. If this should happen, there will be no sudden increase in engine speed to warn the driver, as occurs with a front-wheel drive car. For this reason you should always choose a driving speed suitable for the road conditions. Accident hazard!**

## Trips abroad

The vehicle has been manufactured for a specific country and meets the approval regulations in force in that country at the time it was manufactured.

If you are going to use the vehicle abroad temporarily or for a short period of time, please observe the relevant instructions.

Some countries have special safety regulations and provisions that the vehicle may not comply with. Before travelling abroad, SEAT recommends that you seek information from one of your dealers about the legal provisions in force in your destination country.

If you are going to sell the vehicle in another country or use it there for a longer period of time, please observe the legal regulations in force in the country in question.

In some cases it may be necessary to install or remove certain equipment at a later date, and to deactivate certain functions. Sets and types of services may also be affected. In particular, this can occur if the vehicle is to be used in another climatic region for a long period of time.

Due to the different frequency bands around the world, the factory-fitted infotainment system may not work in another country.

With petrol vehicles, it should be ensured that lead-free petrol is available throughout the journey. Seek information about service station networks selling unleaded fuel.

SEAT importers and distributors will provide information about the technical preparation that your vehicle requires and also about necessary maintenance and repair possibilities.

**⚠ WARNING**

**As altitude increases, air density decreases. Due to the reduced air density, engine performance may be reduced and vehicle components may be damaged during prolonged operation at very high altitudes. Reduced engine power can lead to accidents and serious or fatal injuries, e.g. when overtaking.**

- **Before travelling abroad, especially at altitudes above 3,000 m (approx. 9,843 ft) above sea level, please contact a SEAT dealer for more information.**

**ⓘ NOTICE**

**SEAT does not accept liability for any damage to the vehicle due to the use of a lower quality fuel, an inadequate service or the non-availability of genuine spare parts.**

# Starting and stopping the engine

## Switching the ignition on/off

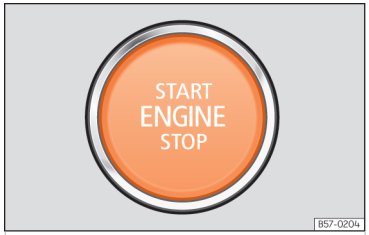


**Fig. 117** In the lower part of the centre console: start button.

The engine can be started with a start button (Press & Drive). For this there must be a valid key inside the passenger compartment.

Opening the driver's door when exiting the vehicle activates the electronic lock on the steering column if the ignition is switched off. For vehicles with automatic transmission, the column will only be locked if the parking lock **P** is activated.

### Switching the ignition on/off

If you only want to switch on the ignition (without starting the engine), briefly press the start button once **without pressing** the brake pedal or the clutch pedal ››› page 165.

The starter button text START ENGINE STOP flashes like a heartbeat when the system is preset for switching the ignition on and off.

### Automatic ignition disconnection

When the vehicle detects that there is no driver once the engine has stopped, after a certain time the ignition is switched off automatically. If at that time the dipped beam headlights are on, the side lights will stay on for approx. 30 minutes. The side lights can be turned off by blocking the vehicle ››› page 103, or manually ››› page 128.

### Automatic deactivation of the ignition on vehicles with the Start-Stop system

The ignition is switched off automatically when the vehicle is stopped and the automatic engine shutdown is active, if:

- the driver's seat belt is not fastened,
- the driver does not step on any pedal,
- the driver door is opened.

After automatically turning off the ignition, if the dipped beam ≡D is on, the side light remains on for approx. 30 minutes (if the battery has

enough charge). If the driver locks the vehicle or manually turns off the light, the side light goes out.

### Switching off the ignition when leaving the vehicle, with hybrid drive

When the ignition is not switched off in E-MODE operating mode, a certain amount of time after the journey is complete it switches off automatically to prevent draining the 12-volt vehicle battery.

### Function "My Beat"

For vehicles with a convenience key there is the "My Beat" function. This feature provides an additional indication of the vehicle ignition system.

When entering the vehicle, the start button ››› Fig. 117 flashes to draw attention to it.

When the ignition is on/off, the engine start button flashes.

With the ignition is switched off, the start button goes off after a few seconds.

With the engine running, the start button light stays on, indicating that the engine is running. The time elapsed between the moment the user starts the engine with the start button and the lighting changes from flashing to fixed will depend on specific engine size characteristics. When the start button is used to stop the engine, the button starts flashing again.

In vehicles **with the Start-Stop system**, the "My Beat" function also offers additional information:

- When the engine stops during the Stop phase, the light of the start button stays on, as the Start-Stop system remains active even though the engine is off.
- When the engine cannot be started again with the Start-Stop system ››› page 173 and needs to be started manually, the start button flashes to indicate this situation.

**⚠ WARNING**

**When switching on the ignition, do not press the brake or clutch pedal, otherwise the engine could start immediately.**

**⚠ WARNING**

**If vehicle keys are used negligently or without due care, this may cause accidents and serious injury.**

- **Never leave any key inside the vehicle when you leave it. Otherwise, a child or unauthorised person could lock the vehicle, start the engine or connect the ignition and operate any of the electrical equipment.**

**Note**

- **Before leaving the vehicle, always disconnect the ignition and, if appropriate, take into account the instructions on the screen of the dash panel.**
- **If the vehicle is stationary for a long time with the engine off and the ignition on, the vehicle battery might be discharged and it might not be possible to start the engine.**
- **In vehicles with diesel engines, wait until the warning light ➿ goes off before starting the engine.**
- **If during the STOP phase you press the START ENGINE STOP button, the ignition is switched off and the push-button flashes.**
- **If the following indication appears on the instrument cluster display: "Start-Stop system deactivated: Start the engine manually"; the button START ENGINE STOP will flash.**

## Starting the engine

- *Vehicles with manual transmission*: put the gear lever in neutral, press the clutch pedal and keep it pressed in this position until the engine starts.
- *Vehicles with automatic transmission:* press the brake pedal and keep it pressed in this position until the engine starts.

- Press the start button without pressing the accelerator. There must be a valid key in the vehicle for the engine to start. After starting the engine, the lighting of the START ENGINE STOP button remains fixed indicating that the engine is running.
- Once the engine starts, release the start button.
- If the engine does not start, stop and wait for around 1 minute to try again. If necessary, perform an emergency start ››› page 168.

Diesel engines can take a few seconds longer than usual to start on cold days. During preheating, the warning lamp ϖ remains lit. To avoid unnecessary discharging of the battery, do not use any other major electrical equipment while the glow plugs are pre-heating.

The preheating time depends on the coolant and exterior temperatures. With the engine at operating temperature, or at outside temperatures above +8°C, the warning lamp ϖ will light up for about one second. This means that you can start the engine almost immediately.

### Starting a diesel engine after having run out of fuel

If the fuel tank of a diesel vehicle was run until completely empty, after refuelling it can last longer than normal to start the engine, even up to a minute. This is because the fuel system must eliminate air first.

**⚠ WARNING**

**Do not keep the engine running in confined spaces, as there is a risk of poisoning.**

- **The exhaust gases contain carbon monoxide, an odourless and colourless poisonous gas that can cause loss of consciousness and death.**

**⚠ WARNING**

**Do not get out of the vehicle with the engine running, especially if a gear is engaged. The vehicle could then suddenly move or something strange could happen that would cause damage, fire or serious injury.**

**⚠ WARNING**

**Never use cold start sprays, they could explode or cause the engine to run at high revs. Doing this risks injury.**

**ⓘ NOTICE**

- **The starter motor or the engine may be damaged if you try to restart the engine immediately after switching it off.**
- **When the engine is cold, you should avoid high engine speeds, driving at full throttle and over-loading the engine, as this could cause engine damage.**

**For the sake of the environment**

**Do not warm-up the engine by running the engine with the vehicle stationary. Start off immediately, driving gently. This helps the engine reach operating temperature faster and reduces emissions.**

**Note**

**Electrical components with a high power consumption are switched off temporarily when the engine starts.**

- **When starting with a cold engine, noise levels may briefly increase. This is quite normal, and no cause for concern.**
- **When the outside temperature is below +5 °C (+41 °F), if the engine is diesel, some smoke may appear under the vehicle when the fuel-operated auxiliary heater is on.**

## Turning off the engine

- Bring the vehicle to a full stop ››› ⚠.
- *Vehicles with manual transmission:* fully depress the clutch.
- *Vehicles with automatic transmission:* Switch on the parking lock by pressing button **P**.
- Apply the electronic parking brake.
- Briefly press the start button.

### Car wash function (hybrid vehicles)

When the ignition is turned off with gear **N** activated, the vehicle can roll for the next 30 minutes. After that time, if the vehicle is stopped the parking lock **P** activates automatically. The corresponding warning message is displayed on the instrument cluster display one minute before this happens.

**⚠ WARNING**

**Never switch off the engine while the vehicle is moving. This could cause loss of control of the vehicle, accidents and serious injury.**

- **The airbags and belt tensioners do not work when the ignition is switched off.**
- **The brake servo does not work with the engine off. Therefore, you need to press the break pedal harder to brake the vehicle.**
- **Power steering does not work when the engine is not running. You need more strength to steer when the engine is switched off.**
- **If the ignition is switched off, the steering column could be locked, making it impossible to control the vehicle.**

**⚠ WARNING**

**Always take the key with you when you leave the vehicle. This is particularly important if there are children in the vehicle, as they might otherwise be able to start the engine or use power-operated equipment (e.g. the electric windows), which could cause injuries.**

**NOTICE**

- **If the vehicle is stopped and the Start-Stop system switches off the engine, the ignition remains switched on. Make sure that the ignition is switched off before leaving the vehicle, otherwise the battery could discharge.**
- **If the engine has been driven at high speed for a prolonged period of time, it may overheat when switched off. To avoid damage, allow the engine to run for approximately two minutes in neutral before switching it off.**

**Note**

**After the engine is switched off the radiator fan may run on for up to 10 minutes, even if the ignition is switched off. It is also possible that the fan turns itself on once more if the coolant temperature increases due to the heat accumulated in the engine compartment or due to its prolonged exposure to solar radiation.**

## Electronic immobilizer

The electronic immobiliser helps to prevent the engine from being started with an unauthorised key and, consequently, the vehicle being put in motion.

The vehicle key has an integrated chip which automatically deactivates the electronic immobiliser if there is a valid key inside the passenger compartment.

The electronic immobiliser is automatically activated when there is no longer a valid key inside the vehicle.

For this reason, the engine can only be started with a properly coded Original SEAT key. This type of keys can be purchased from a SEAT dealer.

**NOTICE**

**A perfect operation of the vehicle is ensured if genuine SEAT keys are used.**

## Emergency starting function

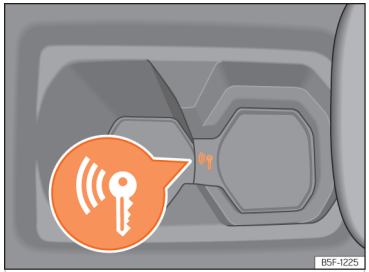


**Fig. 118** On the centre console: emergency start.

If no valid key is detected inside the vehicle, an emergency start-up will be required. The relevant message will appear in the dash panel display. This may happen when, for example, the vehicle key battery is very low.

- Immediately after pushing the start button, place the key in the drink holder of the centre console ››› Fig. 118, as close as possible to the *Kessy* logo.
- The ignition connects and the engine starts automatically.

## Indications for the driver on the instrument cluster screen

### Depress the clutch

- This indication is displayed on vehicles with a manual gearbox when the driver does not depress the clutch pedal when starting the engine. The engine can only be started if the clutch pedal is depressed.

### Press the brake

- This message appears on vehicles with an automatic gearbox if the driver tries to start the engine without having the brake pedal pressed.

### Press the brake to engage a gear

- This indication is displayed when starting or stopping the engine if the automatic transmission selector lever is in position **D** or **R** and the brake pedal is not depressed. The engine can only be started and stopped in these positions.

### Engage position P; the vehicle can move; doors can only be locked in position P.

- For safety reasons, this driver message appears and an audible warning sounds if the parking lock button **P** is not pressed after switching off the engine. Press button **P** otherwise the vehicle could move.

### Ignition is switched on

- This driver message is displayed and a buzzer is sounded when the driver door is opened with the ignition switched on.

# Driving with electric drive

## Switching on the hybrid drive system

✓ Valid for: hybrid vehicles

Switching on the hybrid drive activates the vehicle's propulsion system. When the vehicle's drive system is switched on, the electric drive is activated. The combustion engine starts automatically when the charge level of the high-voltage battery is not sufficient to run with the electric drive, or if high drive power is required.

To access driving with the electric drive in the infotainment system:

- Select: ⊞ > **Charging > Battery Manager.**

### Requirements for switching on the drive system

The drive system can be switched on when the following conditions are met:

- The high voltage battery has a sufficient charge level.
- There is no charging cable plugged in.
- The temperature of the high-voltage battery is within the operating range.
- There is a valid remote control key in the vehicle.

### Switching on the drive system

- Press the ignition and start button once. The ignition must be switched on.
- Press the brake pedal and keep it pressed.
- Set the gear selector switch to position **N** or activate the parking lock **P**.
- Press the ignition and start button until indicator lamp **READY** lights up on the instrument cluster. Do not press the accelerator. Release the ignition and start button when the indicator lamp **READY** lights up on the instrument cluster. The mark on the power display changes from **OFF** to **0**.
- If the indicator lamp **READY** does not light up, cancel and repeat the operation.
- If the vehicle has been locked with the remote control key, the ignition and start button is deactivated. If you are inside the vehicle and have to start the engine, first unlock the vehicle or perform an emergency start ››› page 168.

**Note**

**A click is heard when the drive system is turned on. This is completely normal and does not mean there is a problem.**

### Detecting the drive system

With the electric drive, the motor makes no noticeable noise when the drive system is switched on or while driving. Therefore, you cannot defect that the vehicle's drive system is on by engine noise. Instead, the following characteristics show that the vehicle is ready to drive:

- The indication **0** ››› page 21 is displayed on the power gauge of the instrument cluster.
- The display light on the instrument cluster is on, regardless of whether the vehicle's exterior lighting is on.
- The indicator lamp **READY** is on in the instrument cluster display.
- An audio signal is heard.

### Switching on the drive system in very low outside temperatures

If the outside temperature is very low (approximately -27°C (-16°F) or lower), the high-voltage battery may freeze and stop working. In this case it's not possible to switch on the drive system.

As soon as the temperature of the high-voltage has increase enough, the drive system can be switched on again.

To ensure that the drive system can be switched on, even in very low outside temperatures, SEAT recommends parking the vehicle in a place protected from the cold.

### Behaviour when moving off or stopping

The combustion engine only runs if necessary. When the vehicle is stationary, the combustion engine is normally switched off and the vehicle's electrical systems are powered by the high-voltage battery. The rev counter on the instrument cluster remains at **0** ››› page 21.

The combustion engine switches off in certain driving conditions. This is normal and aims to save fuel. In general, the power steering and brake assist systems remain on. In isolated cases the system may require the combustion engine to carry on running even when the vehicle is stationary.

In traffic jams the combustion engine may start up while the vehicle is stationary to recharge the high voltage battery for subsequent *driving off* and *stopping* phases.

## Vehicle sound

✓ Valid for: hybrid vehicles

The electric drive makes much less noise than a combustion engine. In the versions for some countries, artificial vehicle sound is generated to allow the vehicle to be heard better from the outside. At higher speeds, when the noise produced by the tyres and the wind increases, the vehicle's sound automatically fades out.

**WARNING**

**During electric driving, the auditory perception of the vehicle by other road users may be much lower. This is especially true in traffic-restricted areas and when manoeuvring or reversing. Accident hazard!**

## Troubleshooting

✓ Valid for: hybrid vehicles

**Drive: Fault! Stop the vehicle safely**

The warning lamp lights up red.

There is a fault in the vehicle's drive system. The vehicle's drive system is no longer available. Park the vehicle in a safe place as soon as possible. Seek professional assistance.

**Drive: Fault! The electric drive is not working properly. Visit a workshop**

The warning lamp lights up yellow.

There is a fault in the vehicle's drive system. Drive slowly to a specialised workshop to have the fault repaired.

**Drive: Warning! Power is limited. Check the manual**

The warning lamp lights up yellow.

Performance limited. The high-voltage battery may not be sufficiently charged or may have reached its operating temperature limit, for example in very cold outside temperatures.

**Vehicle sound: Fault! Pedestrians cannot hear the vehicle. Visit a workshop**

The warning lamp lights up yellow.

There is a vehicle sound fault. Drive with utmost care, as other road users may not be able to hear the electric vehicle. Go immediately to a specialised workshop to have the fault repaired.

# Operating mode selection

## Operating mode selection

✓ Valid for: hybrid vehicles

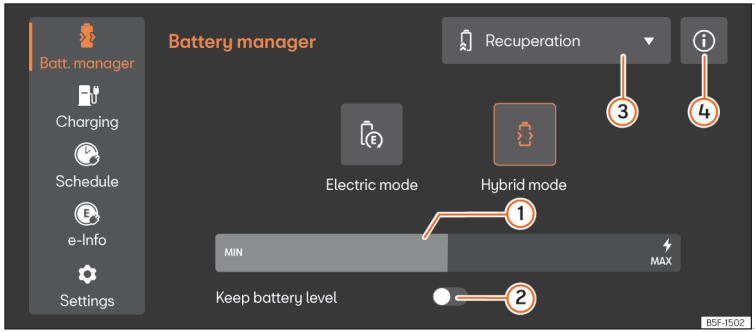


**Fig. 119** In the infotainment system: Battery manager menu

The vehicle has different operating modes so that it can always be optimally adjusted to every situation while driving. Once the drive system has been turned on, and provided that all of the operating conditions required for this purpose have been met, the **Electric mode** operating mode is always activated in the first instance for electric driving.

### Operating mode selection

- Switch on the drive system.
- Access the **Battery manager** menu of the infotainment system (⋯ > **Charging** > **Battery manager** ››› page 88).
- Select **Electric Mode** or **Hybrid Mode** in the infotainment system. Further information about the operating mode can be found in ⓘ ››› Fig. 119 ④.

### Electric mode (driving in electric mode)[1]

In electric mode, the vehicle basically drives in electric only mode. To the extent possible, the vehicle's combustion engine is not used.

All of the following conditions must be met for the Electric mode to be activated:

[1] The displayed symbol varies depending on the active operating mode and the charge level of the high-voltage battery.

- The high voltage battery has a sufficient charge level.
- The vehicle speed is lower than 130 km/h (80 mph).
- The high voltage battery temperature is above -10°C.

If, while driving in Electric mode, the necessary conditions are no longer met, the combustion engine starts and electric driving is suspended. In this case, the indicator lights up on the instrument cluster display.

The combustion engine starts when a kick-down occurs in Electric mode. However, Electric mode remains on.

### Hybrid mode (use the battery's charge)[1]

This is the operating mode that allows you to save most fuel.

The operating mode control unit tries to make the most of the battery charge. For this purpose, with active directions the navigation data are also accessed.

In this operating mode, the electric motor and the combustion engine share the work of driving the vehicle.

In hybrid operating mode, the power from the battery charge is used optimally. If route guidance is activated, the vehicle may autonomously recharge the high-voltage battery using the combustion engine.

### Manual control of the battery charge

Manual control of the battery charge is only possible in **Hybrid mode**. The option selected by the user is only valid until the ignition is switched off or the vehicle is switched to Hybrid mode or Electric mode.

Key to ››› Fig. 119:

1. The horizontal bar can be used to select a lower theoretical charge level of the high voltage battery. The system **does not allow the selection** of a **higher** charge level than the one that is displayed. The vehicle only uses the battery's charge when it is above the selected theoretical charge level. The rest is kept until the end of the journey.
2. **Maintain the battery level**. The high-voltage battery charge level is kept at around the current level while driving. If you accelerate harder or increase the vehicle speed, the combustion engine starts up. When permitted by the driver's demand for acceleration and the vehicle speed, the vehicle switches back to electric mode. SEAT recommends using the charging socket to charge the high-voltage battery, whenever possible ››› page 78.
3. **Adjust the recovery level.** Allows you to select between different levels of recovery: Smooth, Auto or Strong. If there is no active route, the system will offer the activation of a predictive route to run in a more efficient hybrid mode.

### Show the active operating mode

The operating mode active at any given time is displayed on the instrument cluster display, e.g. .

**WARNING**

**Switching to a different operating mode while driving can distract you from traffic conditions and cause accidents.**

**Note**

**Information about the operating mode that is currently active is displayed on the instrument cluster display, along with the charge level of the high-voltage battery.**

## Troubleshooting

✓ Valid for: hybrid vehicles

### Electric Mode is not available

The indicator lamp lights up in white.

The electric mode (driving in electric mode) cannot be used temporarily because one or more conditions are not met.

[1] The displayed symbol varies depending on the active operating mode and the charge level of the high-voltage battery.

- Meet the conditions for using the Electric mode.

# Start-Stop system

## Description and operation

*Not valid for PHEV hybrid vehicles*

The Start-Stop system helps you to save fuel and reduce $CO_2$ emissions.

In Start-Stop mode, the engine will automatically switch off when the vehicle stops or is stopping. The ignition remains switched on. The engine automatically switches back on when required.

In this scenario, the light of the START ENGINE STOP button remains lit.[1]

When the ignition is switched on, the Start-Stop function is automatically activated.

### Indicator lamps

Ⓐ The Start-Stop system is available, the automatic engine shutdown is active.

Ⓐ The Start-Stop system is not available or has been disconnected.

### Stopping and starting the engine

*Vehicles with a manual gearbox:*

- When the vehicle is stopped, put it into neutral and release the clutch pedal. The engine will stop. The warning lamp Ⓐ will light up on the display. The engine may be stopped before the vehicle comes to a standstill (approximately 7 km/h).
- When you depress the clutch pedal, the engine will start again. The indicator lamp goes out.

*Vehicles with an automatic gearbox:*

- Brake until the vehicle has come to a standstill, and keep your foot on the brake pedal or activate the Auto Hold system so that the vehicle remains braked. The engine will stop. The warning lamp Ⓐ will appear on the display. The engine may stop before the car stops completely (approximately 7 or 2 km/h depending on the vehicle's gearbox[2]).
- When you take your foot off the brake pedal the engine will start up again. The indicator lamp goes out. With the Auto Hold system, the engine will not start if you remove your foot from the brake pedal. The car starts when you press the accelerator pedal.

### Basic requirements for the start/stop mode

- The driver door must be closed.
- The driver's seat belt must be fastened.
- The bonnet must be closed.
- The engine has reached operating temperature.
- The reverse gear must not be engaged.
- The vehicle must not be on a very steep slope.

### The engine does not turn off for various reasons

Before stopping the vehicle, the system verifies whether certain conditions are met. The engine **does not** switch off, in the following situations for example:

- The engine has not yet reached the required temperature for the Start-Stop mode.
- The temperature selected on the climate control has not been reached.
- The interior temperature is very high/low.
- De-icing function button MAX activated.
- Park assist is switched on.
- The battery is very low.
- The steering wheel is overly turned or is being turned.
- If there is a danger of misting.

---

[1] Only in vehicles with Keyless Access.

[2] In the mHEV version (semi-hybrid), above 20 km/h.

- After engaging reverse gear.
- In case of a very steep gradient.
- In a traffic jam after stopping for the fifth time, the engine will not stop any more.
- With ESC disabled.
- After emergency braking or loss of adhesion.
- With a trailer attached.
- While the particle filter is regenerating.

is displayed on the instrument cluster screen; it is also displayed in the driver information system, START STOP.

### The engine starts by itself

When stopped, the normal system mode may be interrupted in the following situations. The engine restarts without the driver's intervention.

- The interior temperature differs from the temperature selected on the climate control.
- Defrost function button activated MAX.
- The brake is pressed several times in a row.
- The battery is not charged enough.
- High electricity consumption.
- The vehicle rolls forward or backward with the engine off.
- ESC deactivated.
- The accelerator pedal (automatic transmission), or the clutch (manual transmission) is pressed.
- The steering wheel is turned slightly.[1]
- When the air conditioning is activated.

### Additional information related to the automatic gearbox

The engine stops when the selector lever is in **D**, **N** and **S**, as well as in Tiptronic mode. When the parking lock button **P** is activated, the engine will also remain off when you remove your foot from the brake.

In order to start the engine up again the accelerator must be pressed, or another gear engaged or the brake released.

If the selector lever is placed in **R** while stopped, the engine will start up again.

### Additional information about vehicles with Adaptive Cruise Control (ACC)

In vehicles with ACC function, the engine will start up again in certain operating conditions if the radar sensor detects that the vehicle ahead drives off again.

**⚠ WARNING**

- **Never switch the engine off until the vehicle is stationary. The operation of the brake and steering will not be fully guaranteed. More force will be needed to turn the steering wheel or to brake. You could suffer an accident and even serious injuries.**
- **To avoid injury, make sure that the Start-Stop system is switched off when working in the engine compartment** **››› page 175.**

**NOTICE**

**The Start-Stop system must always be switched off when driving through flooded areas** **››› page 162.**

**Note**

- **In vehicles with an automatic gearbox, you can control whether the engine should switch off or not by reducing or increasing the brake force applied. While the vehicle remains stopped, the engine will not stop if the brake pedal is slightly pressed, in traffic jams with frequent stopping and starting for example. As soon as strong pressure is applied to the brake pedal, the engine will stop.**
- **When stopped, the brake pedal must be kept pressed to ensure that the vehicle does not move.**

[1] Except for the MHEV version.

- **If the engine "stalls" with a manual gearbox, it can be directly started up again by immediately pressing the clutch pedal.**
- **If the lever is placed in position D, N or S after engaging reverse gear, 10 km/h (6 mph) in a forwards direction must be reached for the system to be in a condition to stop the engine.**

## Manually connecting and disconnecting the Start-Stop system

*Not valid for PHEV hybrid vehicles*

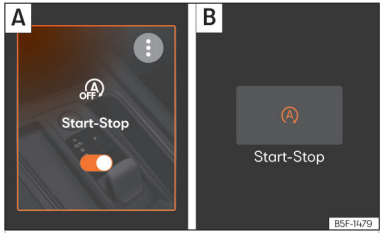


**Fig. 120** On the infotainment system display: Start-Stop system on. A View in the main menu. B View with the Infotainment system off.

If you do not wish to use the system, you can switch it off manually:

- In the infotainment system select > **Assistants > Smart Assistants**.

When the symbol Ⓐ appears in orange ››› Fig. 120 the system is on and will stop and start. When the symbol Ⓐ appears in white the system is off.

**Note**

**The system switches on every time the engine is turned off voluntarily.**

## Troubleshooting

*Not valid for PHEV hybrid vehicles*

### Indications for the driver on the instrument cluster screen

**Start-Stop system deactivated. Start the engine manually**

- This indication shows that the Start-Stop system **cannot** restart the engine.

This happens for 2 reasons: if the driver's door has been opened or if the driver has unbuckled the seat belt.

**Start-Stop system: Fault! Function not available**

- There is a fault in the Start-Stop system. Take the vehicle to a workshop to have the fault repaired.

# Manual gearbox

## Changing gears

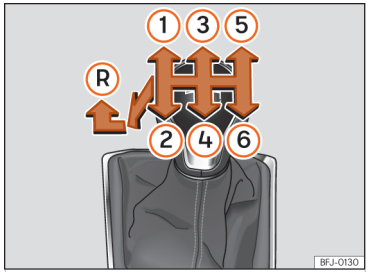


**Fig. 121** Diagram of a 6-speed manual gearbox.

Gear positions are indicated on the gear lever ››› Fig. 121.

- Depress the clutch and keep your foot as far as it will go.
- Move the gear lever to the desired position.
- Release the clutch.

### Engaging reverse gear

Only engage reverse gear when the vehicle is stopped.

- Depress the clutch and keep your foot as far as it will go.
- With the gear lever in neutral, push it down, move it all the way to the left and then forwards to select reverse gear ››› Fig. 121 Ⓡ.
- Release the clutch.

### Changing to lower gears

When driving, you should always change down through the gears progressively, i.e. to the gear immediately below when engine RPM is not tool high ››› ⚠. Skipping one or several gears when changing down through the gears at high speed or high RPM can cause damage to the clutch and gearbox, even if the clutch is depressed ››› ⓘ.

**⚠ WARNING**

**If the engine is running, the vehicle starts moving as soon as a gear is engaged and the clutch pedal is released. This also happens if the electronic parking brake is switched on.**

- **Never engage reverse gear while the vehicle is in motion.**

**⚠ WARNING**

**Changing down through the gears incorrectly by selecting a gear that is too low can lead to loss of control of the vehicle and cause accidents and serious injuries.**

**ⓘ NOTICE**

**Engaging a gear that is too low when driving at high speed or at high engine RPM can cause considerable damage to the clutch and gearbox. This can happen even if the clutch pedal is kept depressed and the gear is not engaged.**

**ⓘ NOTICE**

**Consider the following to avoid damage and premature wear:**

- **Do not rest your hand on the gear lever while driving. The pressure exerted by the hand is transmitted to the gearbox forks.**
- **Do not rest your foot on the clutch pedal; even if the pressure seems insignificant, it can cause premature wear of the clutch disc. Use the footrest when not changing gears.**
- **Make sure the vehicle is completely stopped before engaging reverse gear.**
- **When changing gears, always fully depress the clutch.**
- **Do not "ride" the clutch with the engine running when the vehicle is stopped on an uphill slope.**

# DSG automatic transmission

## Introduction

Your vehicle is equipped with an electronically controlled manual gearbox. Torque between the engine and the gearbox is transmitted via two independent clutches. They replace the torque converter found on conventional automatic gearboxes and allow for smooth, uninterrupted acceleration of the vehicle.

The **Tiptronic** system allows the driver to change gears *manually* ››› **page 178**, ***Changing gear in Tiptronic mode***.

## Gear selector positions

**Fig. 122** On the centre console: selector lever.

The gear selector position is shown by the corresponding sign lighting up. The engaged gear is also displayed on the screen in manual shift positions **M**, **D**, **S** and **E** (when the **Eco** ››› page 183 engine setting is selected in the **Individual** profile).

## P - Parking lock

When the **P** button is pressed, the drive wheels are locked. Only press **P** when the vehicle is stationary ››› ⚠.

To press the **P** button you must press the brake pedal simultaneously.

## R – Reverse gear

Reverse gear must be engaged only when the vehicle is stationary and the engine is idling ››› ⚠.

To engage reverse gear **R**, you must press the brake pedal simultaneously. The reverse lights switch on when the reverse gear **R** is selected and the ignition is on.

## N – Neutral

In this position, the gear is in neutral.

Press the brake pedal to move the lever from **N** to **D/S** when the vehicle is stationary or at speeds below 3 km/h (2 mph) ››› ⚠.

## D/S – Permanent forward drive position

The **D/S** position enables the gears to be operated in normal mode (**D**) or sport mode (**S**). To select Sport mode **S**, move the lever backwards. Pushing the lever again will select normal mode **D**. The selected driving mode is displayed on the instrument panel screen.

In **normal mode** (**D**), the gearbox selects the best gear ratio. This depends on the engine load, speed and the dynamic regulation program (DRP).

**Sport mode** (**S**) should be selected for a sporty driving style. This setting makes use of the engine's maximum power output. When accelerating, gear shifting operations are perceptible.

Under certain circumstances (e.g. on mountain roads) it can be advantageous to switch tiptronic mode ››› page 178, to adapt the gears to suit the road conditions.

**⚠ WARNING**

- **Take care not to press the accelerator pedal when the vehicle is stopped. The vehicle could start moving immediately (in some cases even if the parking brake is engaged) resulting in the risk of an accident.**
- **Never move the lever to position R when driving. Failure to follow this instruction could result in an accident or failure.**
- **With lever in any position, the foot brake must be depressed whenever the engine is running. This is because an automatic gearbox still transmits power even at idling speed.**
- **Do not accelerate while selecting a gear, with the car stationary and the engine running. Failure to follow this instruction could result in an accident.**
- **The driver must never leave the vehicle while the engine is running and with a gear engaged. Switch on the electronic parking brake and select the parking lock (P).**

**Note**

- **If the lever is moved accidentally to N when driving, release the accelerator and let the engine speed drop to idling before selecting gear range D or S again.**
- **If the power supply is interrupted while the P parking lock is active, it will not be possible to move the lever. If this should happen the manual release can be used. In this case, you should seek professional assistance.**

**Note**

- **If a gear has been selected, the vehicle does not move forwards or back. Proceed to the next mode:**
  - **If the vehicle does not move in the desired direction, the gear ratio may not be correctly engaged by the system. Depress the brake pedal and reselect the gear range.**
  - **If the vehicle still does not move in the desired direction, there is a system failure. Seek specialist help and have the system checked.**

## Changing gear in Tiptronic mode

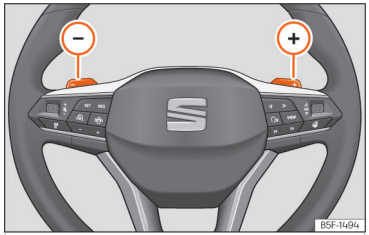


**Fig. 123** Steering wheel: automatic gearbox levers

Tiptronic gives the driver the option to change gears manually.

When you change to the Tiptronic programme, the vehicle remains in the currently selected gear. This is possible as long as the system is not changing gear automatically due to a traffic situation.

### Using Tiptronic with the steering wheel paddles

The gear shift paddles can be used when the selector lever is in the **D/S** position.

- Press the (+) gear shift paddle to change up a gear ››› Fig. 123.
- Press the (−) gear shift paddle to change down a gear.
- To exit the Tiptronic mode, pull the right-hand gear shirt paddle towards the steering wheel for approximately 1 second.

To keep Tiptronic mode permanently switched on, move the selector lever to the **S** position. If the selector lever is in position **D** and the gear shift paddles are not operated for some time, the Tiptronic mode will automatically be switched off.

**NOTICE**

- **When accelerating, if a higher gear is not selected, it will automatically change shortly before reaching the maximum permitted RPM.**
- **Also, if a lower gear is selected, the system will not change until it detects that the engine will not reach its maximum RPM.**

## Driving with an automatic gearbox

Shifting to a higher or lower gear is automatic.

The engine can only be started with the lever in the **N** position and the **P** button must be lit up (the parking lock remains active).

### Driving downhill

Under certain circumstances it may be advantageous to use the Tiptronic mode to select the gear manually according to driving conditions ››› ⚠.

### Stop/Park

To park on flat ground, just press the **P** ››› Fig. 122 button. On slopes the parking brake should first be applied and then press the **P** button.

If the driver door is opened and the **P** button has not been activated, the vehicle could move. The following warning is displayed on the instrument panel: ⚙ **Gear change: Selector lever in the drive position!**. A buzzing sound is also heard.

### Stopping on a downhill

*Always* apply the brake pedal firmly to prevent the vehicle from moving; if necessary, apply the electronic parking brake ››› ⚠.

**Do not** accelerate while a range of gears is engaged to prevent the car from rolling downhill ››› ⓘ.

### Starting off uphill with the Auto Hold function

- Once you have engaged a gear, take your foot off the brake pedal and gently press the accelerator.

### Starting off uphill without the Auto Hold function

- Pull on the electronic parking brake button.
- Once you have engaged a gear, gently press the accelerator and pull on the electronic parking brake button.

**⚠ WARNING**

**Observe the safety warnings ››› ⚠ in *Gear selector positions* on page 177.**

- **Never allow the brake to rub and do not use the brake pedal too often or for long periods, as the brakes can overheat. This reduces the braking power, increases the braking distance or even causes a brake system fault.**
- **If you have to stop on a hill, keep the vehicle's brakes applied with the brake pedal or parking brake.**

**ⓘ NOTICE**

- **When stopping the vehicle on an uphill slope, do not try to avoid shifting into gear and depressing the accelerator. This could overheat and damage the automatic gearbox.**
- **If you allow the vehicle to roll with the lever in position N and the engine off, the automatic gearbox will be damaged due to a lack of lubrication.**
- **In certain driving situations or traffic conditions, the gears could overheat and be damaged! If the warning lamp ⚙ lights up, stop the vehicle as soon as you can and wait for the gearbox to cool ››› page 181.**
- **If the gearbox operates in emergency mode, have the fault repaired by a specialist workshop without delay.**

### Kick-down

The kick-down device provides maximum acceleration when the gear selector lever is in the positions **D**, **S** or in Tiptronic mode.

When the accelerator pedal is fully depressed, the automatic transmission shifts to a lower gear, depending on speed and engine speed. This uses the vehicle's maximum acceleration ››› ⚠.

The shift to the next higher gear will not take place until the preset maximum engine RPM is reached.

**⚠ WARNING**

**Please note that if the road surface is slippery or wet, the kickdown feature could cause the driving wheels to spin, which could result in skidding.**

## Launch-control program

The Launch-control programme enables maximum acceleration from a standstill.

*Condition:* the engine must have reached operating temperature and the steering wheel must not be turned.

The engine speed for Launch-control is different for petrol and diesel engines.

To use the Launch-control you must disconnect the traction control (TCS) or activate the ESC Sport mode, using the Infotainment system menu: press the function button **> Driver assist > Smart Assistants**. The lamp will remain on.

- Press the brake pedal with your left foot and hold it down for at least one second.
- Set the selector lever to position **S** or Tiptronic, or select the **Sport** driving profile from the Drive Profile.

- With your right foot, press the accelerator down to the full throttle or kick-down position. The engine speed will stabilise at about **3,200** rpm (petrol engine) or about **2,000** rpm (diesel engine).
- Take your left foot off the brake pedal. The vehicle starts with maximum acceleration.

**⚠ WARNING**

- **Always adapt your driving style to the traffic conditions.**
- **Only use the Launch control programme when road and traffic conditions permit, and make sure your manner of driving and accelerating the vehicle does not inconvenience or endanger other road users.**
- **Make sure that the ESC remains switched on. Please note that when the TCS and ESC are deactivated, the wheels may start to spin, causing the vehicle to lose grip. Accident hazard!**
- **After moving off, you should activate the TCS or deactivate the ESC "sport" mode again using the Infotainment system: function button > Driver assist > Smart Assistants.**

**Note**

- **Dynamic driving or using a launch-control program may considerably raise the temperature of the catalytic converter or gearbox. In this case, the program may be out of service for a few minutes. The program may be used again once the cooling phase is complete.**
- **Accelerating with the Launch control programme places a heavy load on all parts of the vehicle. This can result in increased wear and tear.**

## Inertia mode

The inertia mode allows you to travel certain distances without using the accelerator, which saves fuel. Plan ahead and use the inertia mode to "let" the vehicle "roll".

### Activation of the inertia mode

*Combustion engine vehicles (not PHEVs, not mHEVs):*

- The function is only available when the "**Eco**" driving profile is selected, when the accelerator is not depressed and at speeds between 7 and 130 km/h (between 4 and 80 mph).
- If when driving below about 22 km/h (about 14 mph) and you press the brake with the intention of stopping, the engine may switch off and remain off until the vehicle comes to a stop. The system can automatically start the engine to ensure that power is supplied to the electrical system or to ensure its own start-up.

*Mild hybrid electric vehicles (mHEV):*

- The function is only available when the "**Eco**" or "**Comfort**" driving profile is selected, when the accelerator is not depressed and at speeds between 7 and 160 km/h (between 4 and 99 mph).
- If you apply the brakes and the vehicle slows to a stop below about 40 km/h (about 25 mph), the engine switches off until the vehicle comes to a stop. The system can automatically start the engine to ensure that power is supplied to the electrical system or to ensure its own start-up.
- If you press the brake when in inertia mode to stop above about 40 km/h (about 25 mph), the inertia mode will be interrupted and the engine will start.
- When stopping without braking, the engine automatically restarts at minimum speed to allow manoeuvring.

### Start and cancel inertia mode

*Start:*

1. Select the "**Eco**" drive profile.

**Or,** in mHEVs, select the "**Comfort**" driving profile.

2. Take your foot off the accelerator. The engine will disengage and run at idle. The vehicle runs without the engine braking effect. The engine can be switched off in vehicles with a mHEV system.

*Cancelling inertia mode:*

1. Press the accelerator.

   **Alternatively,** pull the automatic gear shift *paddle*towards the steering wheel.

**⚠ WARNING**

- **If the inertia mode has been switched on, take into account, when approaching an obstacle, that the vehicle will not decelerate in the usual manner: Accident risk!**
- **When using inertia mode while travelling down hills, the vehicle can increase speed: Accident risk!**
- **If other users drive your vehicle, warn them about inertia mode.**

**ⓘ NOTICE**

**The operation of the inertia mode in combination with hybrid engines (mHEV and PHEV) can cause the combustion engine to switch off.**

**ⓘ NOTICE**

**The inertia mode will be automatically disconnected on gradients steeper than 15%.**

## Troubleshooting

### The engine will not start.

The indicator lamp lights up green.

The brake is not depressed, e.g. when trying to change the gear selector lever.

- To select a gear range, press the brake pedal.

Indications on the instrument cluster display:

#### Clutch

**Clutch overheating! Please stop!**

- The clutch has overheated and could be damaged. Stop and wait for the gearbox to cool with the engine idling and press the **P** parking lock button. When the warning lamp and the driver message turn off, go to a specialised workshop to get the fault repaired. If they do not turn off, do not continue driving. Seek specialist assistance.

#### Faults in the gearbox

**Gearbox: Fault! Stop the vehicle and place the lever in P**

- There is an anomaly in the gearbox. Stop the vehicle in a safe place and do not continue driving. Seek specialist assistance.

**Gearbox: System fault! You may continue driving**

- Have the fault corrected by a specialised workshop without delay.

**Gearbox: System fault! You can continue driving with restrictions. Reverse gear disabled**

- Take the vehicle to a specialised workshop and have the fault repaired.

**Gearbox: System fault! You can continue driving in D until switching off the engine**

- Stop the vehicle in a safe place. Seek specialist assistance.

**Gearbox: too hot. Adapt your driving accordingly**

- Continue driving slowly. When the warning lamp goes out, you can continue driving normally.

**Gearbox: press the brake and engage a gear again**

- If the warning was caused by the temperature of the gearbox, this driver message will be displayed when the gearbox has cooled again.

### Emergency mode

If all the gear positions are shown over a light background on the instrument cluster, there is a system fault and the automatic gearbox will operate with the backup programme. It is still possible to drive the vehicle, however, at low speeds and within a selected range of gears. **Driving in reverse gear may not be possible**.

### Parking lock manual release mechanism

If, in the event of a power failure (e.g. the 12-volt vehicle battery is drained), the vehicle must be towed and the parking lock can be released manually. In this case, you should seek professional assistance.

# Driving on slopes

## downhill assistant

Downhill speed control is activated when the gear lever is in the **D/S** position and the brake is applied. An appropriate lower gear is engaged.

The assistant attempts to maintain the speed at which the vehicle was travelling when the brake was applied, within logical limits. It may be necessary to correct the speed by pressing the brake.

The assistant can only change down as far as 3rd gear. It is possible that on very steep slopes you may have to switch to tiptronic mode and thus manually change down to 2nd or 1st gear to take advantage of engine braking and take the load off the brake system.

Downhill speed control is deactivated as soon as the road levels out again or you press the accelerator pedal.

On vehicles with a cruise control system ››› page 194, downhill speed control is activated when you set a cruising speed.

**⚠ WARNING**

**The downhill speed control cannot defy the laws of physics. Therefore, speed cannot be maintained constant in all situations. Always be prepared to use the brakes!**

# Steering

## Information relating to different vehicle processes.

To make the vehicle more difficult to steal, always lock the steering before leaving the it.

### Steering

On vehicles with electromechanical steering, the power steering automatically adjusts according to the driving speed, the steering wheel torque and the orientation of the wheels. The power steering only works when the engine is running.

If the power steering does not work properly or does not work at all, you will have to use much more strength than usual to turn the steering wheel.

### Progressive steering

Depending on the vehicle's features, it may or may not incorporate a progressive steering system.

In *city traffic* you do not need to turn so much on parking, manoeuvring or in very tight turns.

On *roads or motorway*, progressive steering transmits, for example, in bends, a sportier, more direct and noticeably more dynamic driving sensation.

### Steering assist

This help assists the driver in critical situations. It recommends turning the steering wheel to perform a corrective manoeuvre (counter-steering), turning slightly to avoid skidding ››› ⚠.

**⚠ WARNING**

**Steering assist helps the driver in critical situations. The driver is the person who has to control the vehicle's steering at all times.**

## Troubleshooting

### Steering fault

The warning lamp lights up red.

There is a fault in the power steering.

- **Stop driving!** Seek specialist assistance.
- Do not allow the vehicle to be towed on its own wheels.

### Steering fault

The control lamp lights up or flashes yellow.

The steering is stiffer or reacts more sensitively than usual.

The control lamp **lights up and remains lit**:

- Restart the engine and drive slowly for a short distance. Contact a specialist workshop if the control lamp remains on.
- **OR:** the 12-volt battery was disconnected and reconnected. Drive slowly for a short distance.

The control lamp **flashes**:

- Turn the steering wheel slightly from one side to the other.
- Turn off the ignition and turn it on again.
- Consider the warnings shown on the instrument cluster display.
- If the control lamp continues flashing after the ignition has been switched on, do not continue driving. Seek specialist assistance.

# SEAT Drive Profiles

## Introduction

The driver can use the drive profiles to adapt various features of the vehicle's systems to the current driving situation, the desired driving comfort and an economical driving style. Some of the systems that can be adapted are the suspension, steering, engine and air conditioning.

Depending on the vehicle's equipment, various drive profiles can be selected. The degree of influence of the vehicle's systems on the different drive profiles depends on the vehicle's equipment.

### Engine

Depending on the profile selected, the engine responds more quickly or smoothly to the accelerator being pressed. When the **Eco** profile is selected, the Start-stop function is activated.

In vehicles with automatic transmission, the gear change timing is changed to put the changes at higher or lower revolutions. The **Eco** profile activates the Inertia function, thereby reducing consumption. The rest of the driving profiles will activate the inertia use function when the gear selector lever is not in the **S** position, depending on how the accelerator pedal is released ››› page 180. When the vehicle is turned on again, the function is activated by default to reduce consumption.

With manual transmission, the **ECO** profile changes the gear change recommendations to facilitate more efficient driving.

### Adaptive chassis control (DCC)

The DCC continuously adapts the damping of the suspension system to the characteristics of the road surface and the driving situation (speed, acceleration and steering wheel angle) according to the selected driving profile. The vehicle's dynamic behaviour is also adapted to improve grip on curves and turning capacity. Within the **Individual** profile you can also adjust the DCC level in a customised manner. In the event of a fault in the DCC, the following message is displayed on the instrument cluster display> **Fault: damping adjustment**.

### Steering

The operation of the power steering is modified and adapted to the selected profile to offer the best behaviour for each situation.

### Air conditioning

Climatronic can operate in **Eco** mode, especially restricting fuel consumption.

### Adaptive Cruise Control (ACC)

Depending on the driving profile, the performance of the ACC to allow adaptation to a speed that is more sporty or fuel consumption-friendly.

### PreCrash system

The PreCrash system adapts according to the selected configuration ››› page 52.

The **Performance** driving profile has specific settings to adapt to driving characteristics.

## Selecting a driving profile

The drive profile can be selected when the ignition is switched on and the vehicle is stationary or moving ››› ⚠.

### Selecting a driving profile

- Press the function button ⊞ > **SEAT Drive Profile**, available profiles will be displayed.
- **OR:** With the Infotainment System turned off, by pressing on the **SEAT Drive Profile** icon, the available driving profiles will be displayed.

### Displaying the drive profile information

- To display more information on the selected drive profile, press **Information** in the infotainment system.

### Kick-down

The kick-down feature allows maximum acceleration ››› page 178.

If the **Eco** profile has been selected in the SEAT Drive Profile, and the accelerator is pressed beyond a hard point, the engine power is automatically controlled to give your vehicle maximum acceleration.

**⚠ WARNING**

**Adjusting the driving profile while driving can distract attention from traffic and cause accidents.**

- **Always drive with attention to traffic and in a responsible manner.**

## Characteristics of driving profiles

The icon of the selected profile is displayed at all times in the upper central part of the instrument panel and on the Infotainment System screen when it is turned off.

| Driving profile | Characteristics |
|---|---|
| ECO | Places the vehicle in a low state of consumption, facilitating a fuel-saving driving style that is respectful of the environment. |
| Comfort | Balanced and comfortable driving profile. The vehicle's component settings offer optimum comfort, making it ideal for daily use and long journeys. |
| Performance | Driving profile for a sporty, dynamic and precise style. The vehicle's component settings offer stiffer steering and direct running gear and engine response. |
| Individual | Personalised driving profile. Allows the vehicle configuration to be adapted to suit the user's desired driving style. |

**⚠ WARNING**

**Speed and driving style should always be adapted to suit visibility, weather and traffic conditions.**

**Note**

- **Regardless of the driving profile selected when the ignition is switched off, all systems will start up in Comfort mode. To select a different driving profile, use the infotainment system display.**

- **Speed and driving style should always be adapted to suit visibility, weather and traffic conditions.**
- **The ECO profile is not recommended when driving with a trailer.**

# Braking system

## Information about the brakes

During the first 200 to 300 km, **new brake pads** do not provide maximum braking power and still have to "settle" ››› ⚠. **When running in the brake pads, the emergency braking distance is longer** than after they have been run in. During the run-in, avoid sharp braking and situations that place a lot of demand on the brakes, e.g. driving too close to another vehicle.

**Brake pad wear** depends to a large extent on the conditions in which the vehicle is used, and driving style. If the vehicle is frequently used in city traffic and for short distances, or for sporty driving, brake pad thickness should be checked regularly at a specialist workshop.

When driving with **wet brakes**, e.g. after driving through water, in heavy rain or after washing the vehicle, braking performance may be affected by wet brake discs, or even frozen discs in winter. The driver should be ready to brake harder.

If **the brake discs and pads have a layer of salt on them**, the braking performance is reduced and the braking distance increases. When driving on salted roads without braking for some time, the layer of salt should be removed by carefully applying the brakes a few times ››› ⚠.

**Corrosion** on the brake discs and **dirt** on the brake pads increase if the vehicle is left unused for a long time, if it is not driven for many kilometres. If corrosion is present, it is recommended to clean the discs and pads by braking hard several times while driving at high speed. Make sure that you do not endanger any other vehicles or road users ››› ⚠.

**⚠ WARNING**

**Driving with worn brake pads or a defective brake system can lead to accidents and serious injuries.**

- **If you suspect that the brake pads are worn or that the brake system is faulty, have the brake pads checked immediately by a specialist workshop and replaced if they are worn.**

**⚠ WARNING**

**The braking performance of new brake pads is not optimal.**

- **During the first 300 km, new brake pads do not provide maximum braking power and still have to "settle". This can be counteracted by applying more pressure to the brake pedal.**
- **When brake pads are new, drive with extra care to reduce the risk of accidents, serious injury or loss of control of the vehicle.**
- **Only perform hard braking to clean the brake system when permitted by the traffic situation. Do not endanger the occupants of other vehicles. Accident hazard!**
- **When running in new brake pads, do not drive too close to other vehicles or cause situations that would require the brakes to be applied heavily.**

**⚠ WARNING**

**When the brakes overheat, their braking performance drops and the braking distance increases.**

- **When driving downhill, particular demand is placed on the brakes and they heat up very quickly.**
- **Before a long steep slope, reduce speed and change down into a lower gear or range. Therefore, using the engine brake relieves the brakes.**

- If you wish to retrofit a front spoiler, integral trim or other accessories, ensure that the air inlet around the brakes is not reduced, as otherwise the brake system could overheat. Please also note the information on brake fluid ››› page 343.

**⚠ WARNING**

Wet, frozen or salt-covered brakes take longer to brake and increases the braking distance.

- Test the brakes carefully.
- Always dry the brakes and free them from ice and salt by braking repeatedly, if permitted by visibility, weather, road surface and traffic conditions.

**⚠ WARNING**

When braking manoeuvres are started automatically, the brake pedal may move automatically in the application direction. Do not put your foot under the brake pedal. Risk of injury!

**Note**

Never let the brakes "drag" by leaving your foot on the pedal when it is not necessary to brake. This can cause the brakes to overheat, resulting in increased brake travel and wear. Please consider the important notes on brake fluid ››› page 343.

**Note**

Regularly check the thickness of the brake pads visually through the holes in the rims or from the underside of the vehicle. If necessary, the wheels should be removed for a more thorough inspection. SEAT recommends visiting a SEAT dealership for this.

## Troubleshooting

### Defect in the brake system

The warning lamp lights up red. A message may also be displayed.

**Stop driving!**

- Inform a specialist workshop and request a brake system inspection.

### Brake pad wear indicator

The control lamp switches on yellow.

The front brake pads are worn.

- Contact a specialised workshop immediately.
- Get **all** the brake pads inspected and replace if necessary.

# Brake assist systems

## Information relating to brake assist systems

Brake assist systems can help the driver in critical driving or braking situations. The driver is responsible for driving safely ››› ⚠.

When the brake assist systems are regulating the brakes, the brake pedal may move or make noises. Even so, continue to brake with the necessary force and control the trajectory of the vehicle if necessary.

Depending on the equipment, the ESC and TCS settings may be changed in the vehicle.

- The ESC, ABS and TCS can only operate correctly if the four wheels are fitted with the stipulated tyres ››› ⚠.
- If a fault occurs in the ABS, the ESC, TCS and EDS also cease to function.

### Electronic Stability Control (ESC)

The ESC helps to reduce the risk of skidding and to improve stability in certain driving situations ››› ⚠.

### Traction control (TCS)

The TCS reduces the driving force on skidding wheels and adapts this force to suit the road surface conditions. The TCS facilitates starting, acceleration and hill climbing ››› ⚠.

### Electronic brake pressure distribution (EBV)

Electronic brake force distribution (EBV) regulates the braking force between the front and rear axles. Excessive braking of the rear axle is avoided and the vehicle remains stable during the braking operation.

### Anti-lock braking system (ABS),

The ABS can prevent the wheels from locking up under braking until shortly before the vehicle comes to a stop, and helps the driver maintain control of the steering and the vehicle ››› ⚠.

### Brake assist (BAS)

Brake assist (BAS) can help to reduce the braking distance. Brake Assist increases the pressure exerted by the driver when the brake pedal is depressed quickly in an emergency.

### Electronic differential lock (EDS and XDS)

The EDS automatically brakes skidding wheels and transmits the driving force to the other driving wheels.

XDS improves traction by applying the brakes to improve cornering acceleration.

### Multi-collision brake

The multi-collision brake automatically triggers braking if the airbag control unit detects a collision in the event of an accident.

Automatic braking requirements:

- The driver is not pressing the accelerator pedal.

### Trailer stabilisation[1)]

Note that the vehicle-trailer assembly generally tends to snake. When the snaking of the trailer is felt by the vehicle and detected by the ESC, it will automatically brake the towing vehicle within the limits of the system and stabiliser the vehicle-trailer set ››› page 310.

### Electromechanical brake servo (eBKV)

With the ignition switched on, the electromechanical brake servo (eBKV) supplements the force exerted by the foot by increasing the pressure that the driver exerts on the brake pedal ››› ⚠. When a driver assistance system applies the brakes, e.g. ACC when regulating the speed, or during emergency braking, the brake pedal may move automatically.

After disconnecting the ignition, the assistance of the brake servo is progressively reduced. If you continue to hold the vehicle in place with the brake pedal, messages are displayed on the instrument cluster screen. In this case, the brake servo function is restricted.

Once stopped, immobilise the vehicle to prevent it from moving ››› page 222.

### Brake blending[2)]

The regulated application of the brakes blends the braking effect of the electric motor in energy recuperation and the mechanical braking by the driver.

**⚠ WARNING**

**Smart brake assist technology cannot overcome the limits imposed by the laws of physics and only works within the limits of the systems. Driving at high speed on icy, slippery or wed road surfaces can cause a loss of control of the vehicle and serious injury to the driver and passengers.**

- **Adapt your speed and driving style at all times to suit visibility, weather, road and traffic conditions. Never take any risk that compromises safety.**
- **Brake assist systems cannot prevent an accident if you are driving too close to other vehicles.**
- **Always use suitable tyres. Driving stability depends on tyre grip.**

---

1) Depending on the version.

2) Valid for hybrid vehicles

**⚠ WARNING**

**The efficiency of the ESC can be significantly reduced if components or systems that affect the driving dynamics are not properly maintained or are not working properly. This can particularly occur if changes are made to the suspension or unauthorised rim/tyre combinations are used.**

- **Ensure that vehicle conversions and modifications are only made by specialised workshops.**
- **Always use suitable tyres. Driving stability depends on tyre grip.**

**⚠ WARNING**

**When driving without a brake servo or with restricted brake servo functions, the braking distance can increase considerably and can cause accidents and serious injuries.**

- **If the brake servo is not working, the brake pedal has to be pressed harder, as the braking distance increases due to the lack of assistance from the servo brake.**

## Connecting and disconnecting the ESC and TCS

The ESC is switched on automatically when the engine is started, and only works when the engine is running and includes the ABS, EDS and TCS systems.

The TCS function should only be switched off in situations in which traction is insufficient.

Depending on the finishes and versions, there is the possibility of disconnecting only the TCS or activating the ESC in "Sport" mode.

### Disconnecting and connecting the TCS

- The TCS can be turned on or off in the infotainment system: press the function button > **Driver assist > Smart Assistants** ››› page 40.

When the TCS is off, the control lamp lights up on the instrument cluster.

### Disconnecting and connecting the ESC in "Sport" mode

- The ECS in "Sport" mode can be turned on or off in the infotainment system: press the function button > **Driver assist > Smart Assistants** ››› page 40.

When "Sport" mode is connected, the interventions of the ESC to stabilise the vehicle, and the traction control (TCS) interventions are limited.

In vehicles with 4-wheel drive, the TCS is disconnected completely . In addition, the control lamp lights up on the instrument cluster.

**⚠ WARNING**

**The ESC Sport mode should only be switched on if the traffic situation and the driver's ability allow it. Danger of skidding!**

- **With ESC in Sport mode, the stabilising function will be limited for sportier driving. The vehicle may skid.**

**Note**

**If the TCS is disconnected or "Sport" mode is selected, the cruise control system will be switched off.**

## Troubleshooting

### The electromechanical brake servo is not working

**Stop driving**

The warning lamp lights up red.

A message is displayed as appropriate. Depress the brake pedal hard because the braking distance will increase due to the lack of brake assist from the brake servo.

- You should obtain professional assistance immediately.

### There is a fault in the electromechanical brake servo

The control lamp switches on yellow.

A message is displayed for a few seconds.

Depressing the brake pedal may cause vibrations. The brake pedal has to be pressed harder because the braking distance increases due to the reduced brake servo assistance.

- Contact a specialised workshop.

### The ABS does not work properly or does not work at all

The control lamp switches on yellow.

- Contact a specialised workshop. The vehicle's brakes still work without the ABS.

### The ESC or TCS is regulating

The control lamp flashes yellow.

### ESC fault

The control lamp switches on yellow. The ESC has been switched off.

There is a fault or defect.

- Turn off the ignition and turn it on again.
- If possible, drive for a short distance at 15-20 km/h (9-12 mph).
- If the control lamp is still on, go to a specialised workshop.

### The brake assist systems make noises

When the described brake assist systems intervene, you may hear noises.

**⚠ WARNING**

- **When the ignition is switched on, the status of the brake system and the brake assist functions are automatically checked. The control lamps on the instrument cluster light up briefly and then go out. Any indicator lamp that remains on indicates a fault. Seek qualified technical assistance immediately.**
- **If the brake system warning light comes on together with the control lamp, the ABS regulation function may not work and the rear wheels may lock relatively quickly when braking. This can lead to loss of control of the vehicle! If possible, slow down and drive slowly and carefully to the nearest specialist workshop to have the brake system inspected. During this journey, avoid heavy braking and any sudden manoeuvres.**
- **If the control lamp does not go out, or comes on while driving, it means that the ABS is not working properly. The vehicle can only be stopped using normal braking (without ABS). In this case the protective ABS function will not be available. Go to a specialised workshop as soon as possible.**

# Assistant systems

## General notes

### Safety advice

**⚠ WARNING**

- Responsibility for driving rests with the driver at all times. The drive assist systems are not a replacement for driver attention. Focus all your attention on driving and be prepared to intervene at all times.
- Use the drive assist systems only when conditions allow. The driving style must always be suitable for the weather, visibility, road and traffic conditions.
- In order for drive assist systems to react correctly, sensors and cameras must operate without limitations. Please read the notes on sensors and cameras in this chapter.

**Note**

- Keep in mind the specific rules of each country, especially when it comes to driving, formation of an emergency corridor, braking distance, speed, parking position, wheel position, etc. The driver is solely responsible for always complying with the specific regulations of each country.

- The area in front of and around the radar sensor should not be covered with adhesives, additional headlights or similar items, as this could have a negative impact on the operation of the assistants. If the vehicle is not properly repaired or structural modifications are made to it, the operation of the assistants may be affected.
- The repair and adjustment of sensors and cameras requires special knowledge and tools. It is recommended to visit a SEAT dealership for this purpose.

### System limits

**⚠ WARNING**

- Drive assist systems can not overcome the laws of physics. Depending on the circumstances, a collision may not be avoidable.
- Warnings, notices and indicator lamps may not be displayed on time, or may be displayed incorrectly, e.g. if a vehicle approaches too quickly.
- Corrective interventions by drive assist systems (e.g. interventions in the steering or brakes) may be insufficient or may never occur, depending on the circumstances. As a driver, you must be prepared to act at all times.

**Note**

- Due to the system's detection limits in the surroundings, the systems may not give warnings or intervene on time, or they might do so even if it is not desired. In addition, the auxiliary systems may incorrectly interpret a manoeuvre and, as a result, warn the driver in an unexpected manner.
- When the towing mode is selected, some assist systems may react with limitations, in an unusual way or may not be available. Keep in mind the instructions relating to the towing mode.

### Button for the assistant systems

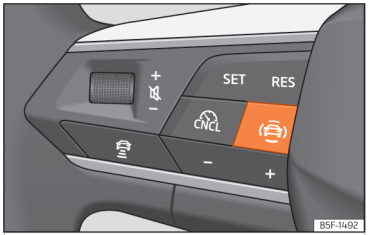


**Fig. 124** Left side of the multifunction steering wheel: button for driver assistance systems (depending on the version).

The button for the driver assistance systems is located on the multifunction steering wheel. This button can be used to switch the driver assistance systems in the **Assistants** menu on and off.

- Press the button to open the **Assistants** menu.
- Select the assistance system in question and turn it off or on. A mark indicates that assistant system is switched on.
- Next, confirm the selection by pressing the OK button on the multifunction steering wheel.

The assistant systems can also be switched on and off in the infotainment system, in the vehicle settings menu ››› page 40.

# Drive assist sensors and cameras

## Front radar

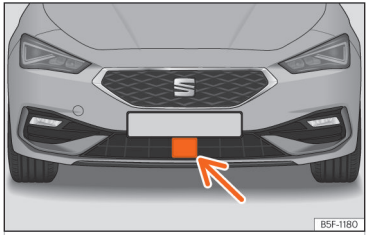


**Fig. 125** On the front bumper: radar sensor.

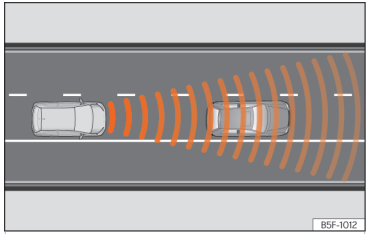


**Fig. 126** Detection area.

A radar sensor may be fitted to the front bumper of the vehicle ››› Fig. 125. The front radar detects any objects in its detection zone ››› Fig. 126 and provides support for the following functions:

- Front Assist ››› page 207.
- Adaptive Cruise Control (ACC) ››› page 200.

The radar can have a range of up to 120 m (400 ft) depending on road and weather conditions.

**⚠ WARNING**

- **The visibility of the radar sensor can be impaired by dirt or environmental influences such as rain, fog, snow, mud, dust, insects etc. In this case the Front Assist and ACC functions may stop working. The instrument panel displays the following message: No sensor vision! And the Front Assist unavailable or ACC unavailable warning lights come on.**
- **Clean the sensor area on the bumper as indicated in ››› page 379, *Cleaning the exterior*. When the radar sensor starts correctly detecting again, the message disappears from the screen and the functions become available again.**

**NOTICE**

- If the radar sensor is dirty or poorly adjusted, the Front Assist system may give unnecessary warnings and apply the brakes inappropriately.
- The operation of the radar can be affected by strong reflections of the emitted signal. This may occur, for example, in an enclosed car park or due to the presence of metallic objects (e.g. guard rails or sheets used in road works).
- The sensor may not be adjusted correctly if it receives an impact. This may compromise the system's efficacy or disconnect it. If you have the feeling that the radar sensor is damaged or adjusted incorrectly, switch off the Front Assist and ACC functions to avoid any damage. If this occurs have it adjusted.

## Front camera

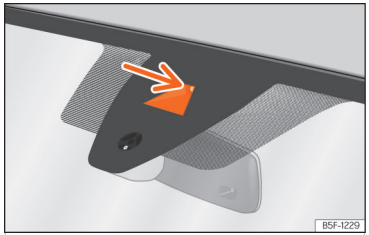


**Fig. 127** On the windscreen: field of vision of the Lane Assist system camera.

Depending on the equipment, the vehicle may be fitted with a front camera on the front windscreen. This camera detects lane boundaries (lines) to provide support for the following functions:

- Lane Assist ››› page 210.
- Travel Assist ››› page 213.
- Emergency assist ››› page 217.

**NOTICE**

To avoid affecting the operation of the systems, take the following points into consideration:

- Clean the field of vision of the camera regularly and make sure it is free of snow and ice.
- Do not cover the field of vision of the camera.
- Check that the windscreen is not damaged in the area of the camera's field of vision.

## Rear radar

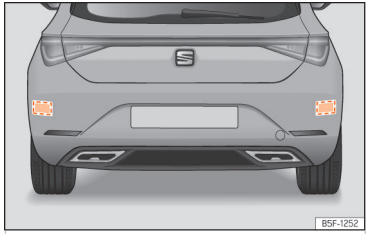


**Fig. 128** Rear view of the vehicle: radar sensor areas.

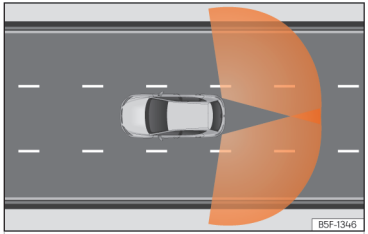


**Fig. 129** Sensor detection zones.

The radar sensors are located on the left and right of the bumper and are not visible from the outside ››› Fig. 128. The sensors monitor both the blind spot and traffic behind the vehicle ››› Fig. 129.

They support the following functions:

- Side Assist ››› page 218.
- Rear Cross Traffic Alert ››› page 240.
- Exit Warning ››› page 241.

### Automatic deactivation of supported functions

The rear radar sensors deactivate automatically when, among other reasons, one of the sensors is detected to be permanently covered. This may be the case if, for example, there is a layer of snow or ice in front of one of the sensors.

The relevant text message will appear in the instrument panel display.

### Indicator lamps

Side Assist function not available

Rear Cross Traffic Alert function not available.

Exit Warning not available.

**NOTICE**

- **The radar sensors on the rear bumper may be damaged or shifted in the event of a collision, for example, when entering or exiting a parking space. This may result in the system disconnecting itself, or at least possibly having its functionality diminished.**
- **In order to ensure that the radar sensors work properly, keep the rear bumper free of snow and ice and do not cover it.**
- **The rear bumper should only be painted with paint authorised by SEAT. The lane departure warning's functions may be limited or work incorrectly if other paints are used.**
- **The visibility of radar sensors may be affected due to leaves, snow, strong haze or dirt, among others. Clean the area in front of the sensors.**
- **Never use auto lane changing or the rear cross traffic alert if the radar sensors are dirty.**
- **Radar operation may also be affected if objects such as bicycle racks or luggage racks interfere with the visibility of the radars.**

## Ultrasound sensors

The bumpers are fitted with ultrasound sensors to perform the following functions:

- Park Assist ››› page 232.
- Park assist plus ››› page 228.
- Rear park assist ››› page 231.

**NOTICE**

- **Damage to the radiator grille, bumper, wheel arch and vehicle underbody can modify the orientation of the sensors. This can affect the parking aid function. Have the function checked by a specialised workshop.**
- **A number plate or number plate holder with dimensions that exceed the space for the number plate, or a cured or deformed number plate can cause false detections or a loss of visibility for the sensors.**

**Note**

- In order to guarantee good operation, keep the sensors clean, free of snow and ice, and do not cover them with stickers or other objects.
- If you use high-pressure or vapour equipment for cleaning, do not apply it directly, unless you do so very briefly, and always keep a distance of more than 10 cm away.
- Fitting certain accessories to the front of the vehicle, such as a plate holder with advertising, may interfere with the operation of the Park Assist.

## Rear camera

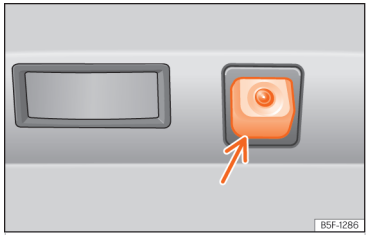


**Fig. 130** On the rear bumper: location of the rear assist camera.

A camera on the rear bumper aids the driver when reverse parking or manoeuvring This provides support to the following function:

- Rear View Camera ››› page 237.

**WARNING**

Fitting a number plate frame may interfere with the view shown on the screen, as it may reduce the camera's field of vision.

**NOTICE**

- In order to guarantee good system operation, keep the cameras clean, free of snow or ice, and do not cover them with stickers or other objects.
- Never use abrasive cleaning products to clean the camera lens.
- Do not use hot or warm water to remove ice or snow from the camera lens. Doing so could damage the camera.

# Cruise control system

## Introduction

The cruise control system (GRA) helps maintain a constant speed set by you.

### Speed range

The cruise control system is available when driving in forward gear at a speed of over approx. 20 km/h (15 mph).

### Temporarily switching off the cruise control

The saved speed can be exceeded at any time, e.g. for overtaking. The cruise control is suspended during acceleration and is then resumed with the saved speed.

### Status display

When the cruise control system is switched on, the instrument cluster display shows the saved speed and the system status:

It lights up grey.
The cruise control system is switched on, but regulation is not active.

It lights up green.
The cruise control system is switched on and regulation is active.

If there is no speed saved, the instrument cluster display shows --- instead of speed.

### Changing gears

As soon as the clutch pedal is depressed, regulation is suspended and resumes once the gear change has been made.

### Driving down slopes

Shift into a low gear before descending a long hill. This makes use of engine braking and relieves the brakes.

The vehicle cannot maintain the saved speed in all driving situations. Always be ready to apply the vehicle's brakes.

**⚠ WARNING**

**If it is impossible to drive with sufficient braking distance and at a constant speed, using the cruise control system may cause accidents and serious injuries may occur.**

- **Do not use Travel Assist when visibility is bad, on steep roads, on windy roads or in slippery circumstances (such as snow, ice, rain or loose gravel), or on flooded roads.**
- **Only use the cruise control system on paved roads with a firm surface.**
- **Adapt your speed and safety distance to the vehicle in front of you at all times to suit the visibility, weather, road and traffic conditions.**
- **After use, always switch off the speed limiter to prevent the speed being regulated against your wishes.**
- **It is dangerous to use a set speed which is too high for the prevailing road, traffic or weather conditions.**

## Operating the cruise control

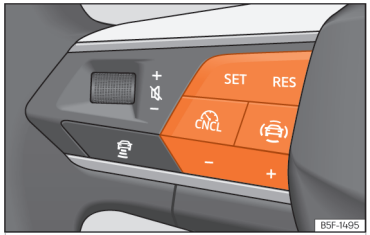


**Fig. 131** On the multifunction steering wheel: cruise control operation buttons.

### Connecting

- Press the button.

Then select "**Cruise control**" from the driving assistants menu.

Regulation has not yet taken place.

### Start regulation

- While driving, press the button SET.

The cruise control system saves and regulates the current speed.

### Adjusting the speed

While the GRA is set, the stored speed can be adjusted:

RES + 1 km/h (1 mph)

SET - 1 km/h (1 mph)

\+ + 10 km/h (5 mph)

– - 10 km/h (5 mph)

### Interrupting the adjustment

- Briefly press the button or press the brake pedal.

The speed is stored.

### Reinstating the cruise control

- Press the RES button.

The cruise control system resumes the saved speed and regulates it.

## Troubleshooting

### Cruise control fault

The control lamp switches on yellow.

Abnormal operation. Switch off the cruise control system and take the vehicle to a specialist workshop.

### The adjustment is interrupted unexpectedly

- If the clutch pedal is pressed for a long time.
- The vehicle has exceeded the saved speed for a long time.
- No forward gear has been selected.
- A brake assistance system has intervened, e.g. TCS or ESC.

- Front Assist has braked the vehicle.
- If the fault continues, disconnect the Emergency Assist and consult a specialised workshop.

# Speed limiter

## Introduction

The speed limited helps the driver not to exceed a set speed.

### Speed range

The speed limiter helps avoid exceeding a programmed speed, from 30 km/h (20 mph) approx. and faster.

### By selecting the speed limiter

The speed limitation can be interrupted at any time by depressing the accelerator pedal fully, beyond the point of resistance. As soon as the saved speed is exceeded, the green indicator light flashes and an audible warning signal may sound. The speed is stored.

The limiter is reactivated automatically after returning to less than the set speed.

### Status display

When the speed limiter is switched on, the instrument cluster display shows the saved speed and the system status:

**It lights up grey**
The speed limiter is switched on but regulation is not active.

**Lights up green**
The speed limiter is switched on and active.

### Driving down slopes

Shift into a low gear before descending a long hill. This makes use of engine braking and relieves the brakes.

The vehicle cannot maintain the saved speed in all driving situations. Always be ready to apply the vehicle's brakes.

**⚠ WARNING**

**After use, always switch off the speed limiter to prevent the speed being regulated against your wishes.**

- **The speed limiter does not relieve the driver of their responsibility to drive at the appropriate speed. Do not drive at high speed if not necessary.**
- **Using the speed limiter under adverse weather conditions is dangerous and can cause serious accidents, e.g. aquaplaning, snow, ice, leaves, etc. Only use the speed limiter when the status of the road and the weather conditions allow it.**

## Operating the speed limiter

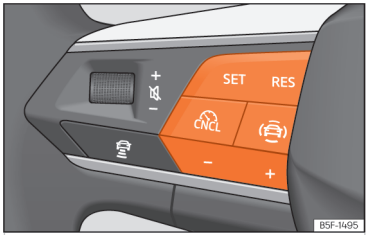


**Fig. 132** On the multifunction steering wheel: buttons to control the speed limiter.

### Connecting

- Press the button.

Then select "**Speed limiter**" from the driving assistants menu.

Regulation has not yet taken place.

### Start regulation

- While driving, press the button **SET**.

The current speed is saved as a limit speed.

### Adjusting the speed

The programmed speed can be set:

**RES** + 1 km/h (1 mph)
**SET** - 1 km/h (1 mph)

+ + 10 km/h (5 mph)
– - 10 km/h (5 mph)

### Interrupting the adjustment

- Press the button.

The speed is stored.

### Reinstating the cruise control

- Press the RES button.

The limiter will re-activate as soon as the vehicle is moving at a speed lower than the saved one.

## Troubleshooting

**LIM The speed limiter is not available**

The control lamp switches on yellow.

- Malfunctions Switch off the speed limiter and go to a specialist workshop.

### The adjustment is interrupted unexpectedly

- You have switched off the Electronic Stabilization Control (ESC).
- The brakes have overheated. Wait for the brakes to cool down and check the operation again.
- If the fault continues, consult a specialised workshop.

For safety reasons, the speed limiter only switches off fully whenever the driver stops pressing the accelerator pedal or switches the system off manually.

# Speed limiter with proactive speed adjustment

## Introduction

The speed limiter with proactive speed adjustment automatically adapts a maximum speed that you have saved to the detected speed limits.

The speed limiter with proactive speed adjustment is an additional function of the speed limiter and uses the infotainment system's dynamic road sign display and navigation data.

The speed limiter with proactive speed adjustment is available depending on the equipment, but not in all countries.

**⚠ WARNING**

**The smart technology of the speed limiter with proactive speed adjustment cannot overcome the limits imposed by the laws of physics and only works within the limits of the system. Never allow the greater convenience offered by this function to induce you to take any risk that compromises safety. Serious accidents and injuries can occur if the speed limiter with proactive speed adjustment is used carelessly or unintentionally. The system is not a replacement for driver awareness.**

- **Always adapt your speed to suit visibility, weather, road and traffic conditions.**
- **Always pay attention to traffic and always keep the vehicle environment in mind.**
- **Always be prepared to adjust the speed yourself. If the traffic sign recognition system is not working properly or the navigation data is not updated, the speed may change unexpectedly and suddenly or may not be suitable for the current traffic situation. In addition, the speed adjusted by the system may not suit your driving style.**
- **Always be prepared to adjust the speed yourself. If you drive without any active guided route, if you leave the route calculated by the navigation system or if the position of the vehicle cannot be determined correctly because the GPS does not provide accurate data, the speed may change unexpectedly and suddenly or may not adapt to the current traffic situation.**
- **Always use up to date navigation data.**
- **Always take into account the maximum permitted speed. In the case of speed limitations that are not included in the navigation data, the maximum permitted speed may be exceeded.**

**Note**

**Please also note the information of relevance to safety on the speed limiter** **››› page 196.**

## Limitations of proactive speed adjustment

In addition to the limitations of the dynamic road sign display system, the speed limiter with proactive speed adjustment has the following limitations inherent to the system:

- The speed limiter with proactive speed adjustment only recognises traffic signs showing a speed limit.
- Traffic signs that indirectly show a speed restriction, e.g. signs at the entrance to towns, are only recognised on the basis of navigation data.
- If a warning is given of a speed restriction based on navigation data, without it being detected by the dynamic road sign display, the indicated speed will be adjusted to the most recently saved speed.
- The speed limiter with proactive speed adjustment is not available for speed restrictions lower than approx. 30 km/h (approx. 20 mph) that are detected. In this case, a relevant message is displayed on the instrument panel screen.

## Activate proactive speed adjustment

The speed limiter with proactive speed adjustment can be activated in the infotainment system's assistants menu.

## Driving with proactive speed adjustment

- Activate the proactive speed adjustment.
- Switch on the speed limiter and start the control **››› page 196**.
- When the system recognises a new speed limit, a warning is displayed on the instrument cluster. This speed will be stored in the speed limiter.

km/h The system has recognised a new speed limit and uses it for regulation.

### Interrupting speed adjustment

- Press the button **RES** on the multifunction steering wheel or release and press the accelerator pedal twice. The last saved speed is resumed.
- Press the **SET** button on the multifunction steering wheel. The current speed is taken.
- Press the button on the multifunction steering wheel. The system switches to a passive state.

### Adjust the displayed speed using the buttons on the multifunction steering wheel

**RES** + 1 km/h (1 mph)

**SET** - 1 km/h (1 mph)

**+** + 10 km/h (5 mph)

**–** - 10 km/h (5 mph)

If you adjust the indicated speed excessively, the proactive speed adjustment is interrupted.

**Note**

- **When a speed restriction is recognised, the proactive speed adjustment also adapts the saved speed, even if the speed limiter is not active.**
- **If the speed of travel considerably exceeds the speed limit detected by the traffic signal detection system, a relevant warning is displayed in the instrument panel display.**
- **When merging onto a motorway or dual carriageway, the recommended speed is automatically saved as the desired speed.**

## Troubleshooting

**A message is displayed indicating that proactive speed adjustment is not currently available or not offered in your country.**

- If this message is displayed for a longer period of time and proactive speed adjustment is available in your country, please contact a specialist workshop.

**Note**

**Depending on the anomaly in question, additional information may be displayed in Vehicle status** ››› page 39.

# Eco Assistance

**Fig. 133** Eco Assist indication (schematic representation).

Eco-efficient driving assistance helps you drive with care and with low energy consumption by following instructions superimposed in the digital cockpit, depending on the situation.

When you approach places such as a junction, a roundabout or a section of road with a speed limit, the symbol is displayed along with an event on the digital instrument cluster ››› Fig. 133.

As soon as you follow the indication and take your foot off the accelerator, the vehicle adapts, based on the selected driving profile and distance to the event, brake energy recuperation and speed.

Eco Assist uses the trip data from the infotainment system and the sensors of certain driver assistance systems. If no destination guidance is active, the most likely route is used.

Pressing the accelerator can cancel the intervention of the assistance at any time.

Eco Assist can be activated and deactivated in the infotainment system, in the assistance system settings ››› page 40.

Eco Assist is temporarily deactivated if:

- The gear selector is in the **S** position.
- The **Sport** driving program is used.
- Driving with adaptive cruise control (ACC) or cruise control (GRA).

When these conditions no longer exist, the assistance is reactivated if it is switched on in the assistance system settings.

Eco Assist is available depending on equipment and not in all countries.

**⚠ WARNING**

**The system is not a replacement for driver awareness.**

- **Adapt your speed and driving style at all times to suit visibility, weather, road and traffic conditions.**
- **Traffic signs on the road and traffic regulations have priority over eco-driving notes.**

**Note**

- **The appearance of the symbols may vary slightly depending on the equipment and model. System updates may modify or expand the symbols.**
- **When the system is active, Eco Assist may also increase recuperation without displaying any indication. This can occur in situations such as when the accelerator pedal is released when a vehicle is driving in front. In this case, energy recuperation is adapted match the speed of the vehicle in front without any indication being displayed.**

# ACC - Adaptive Cruise Control

## Introduction

Adaptive Cruise Control (ACC) maintains a constant speed set by the driver. When approaching another vehicle in front, the ACC detects it and adapts the speed automatically, maintaining a distance set by the driver.

### Does my vehicle have ACC?

Your vehicle has ACC if it has the ACC function buttons on the multifunction steering wheel ››› page 120, or if it has the configuration menu in the infotainment system.

### Speed range

ACC regulates at speeds between 20 and 210 km/h (15 and 130 mph).

When **Electric mode** is activated in hybrid vehicles, the ACC speed range may vary.

If the vehicle is fitted with an automatic gearbox, the ACC can bring the vehicle to a standstill if a vehicle in front of it stops.

If your vehicle is fitted with a manual gearbox, you should pay attention to gear changes. The ACC could switch off if the RPM gets too high or low.

### Driving with ACC

You can override the ACC at any time. Braking interrupts the ACC. If you accelerate, regulation is interrupted during acceleration and then resumed.

### Driver intervention prompt

ACC is subject to certain limitations inherent to the system. This means that the driver will have to control the speed and distance from other vehicles in certain situations. In this case, the instrument cluster display **will tell you to intervene** by applying the brake, and an audio warning will be played.

### Radar sensors

The ACC uses the front radar technology. Read its maintenance instructions and information about its limitations ››› page 190.

**⚠ WARNING**

**The ACC's technology cannot overcome the system's inherent limitations or change the laws of physics. If used negligently or involuntarily, it may cause serious accidents and injuries. The system is not a replacement for driver awareness.**

- **Always be prepared to brake or accelerate.**
- **If you press the accelerator pedal the ACC will stop working. Therefore, it will not brake or request any braking intervention.**
- **Adapt your speed and safe distance to the vehicle in front of you at all times to suit visibility, weather, road and traffic conditions.**
- **Do not use the ACC in poor visibility, or on roads that are steep, with lots of curves or slippery.**
- **Never use ACC when driving off-road or on unpaved roads.**
- **The system may not react in time to stationary obstacles (such as a traffic jam queue), particularly at high speeds. React soon enough to avoid a hazardous situation.**
- **The system may not react to stopped vehicles in the same lane. You must react early enough yourself in this case.**
- **The system does not react to people, animals or vehicles that are crossing or approaching in the opposite direction.**
- **If you are driving with a spare wheel fitted, the ACC system could automatically switch off. Switch off the system when starting off.**
- **Brake immediately if the ACC does not slow down enough.**
- **Brake immediately when a driver intervention instruction is displayed on the instrument cluster screen.**
- **If the vehicle continues to move involuntarily after a driver intervention prompt, brake the vehicle.**
- **The brake pedal may move downwards during braking. Be careful not to position your foot under the pedal.**

**Note**

**If the ACC does not work as described in this chapter, do not use it until it has been checked by a specialised workshop. Visiting a SEAT dealership is recommended.**

## ACC operation

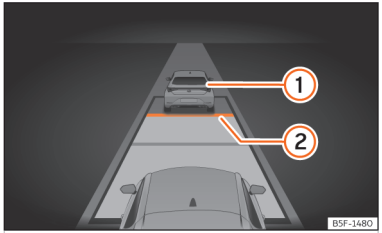


**Fig. 135** On the multifunction steering wheel: buttons for operating the ACC.

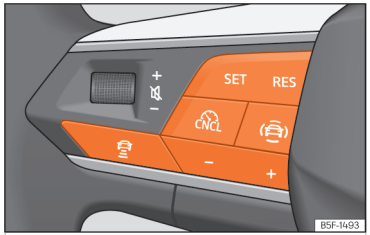


**Fig. 134** On the instrument cluster screen: ACC active.

››› Fig. 134

① Vehicle detected in front. It will light up if the distance to the vehicle is adjusted.

② Distance selected.

### Connecting

- Press the button on the multifunction steering wheel ››› Fig. 135.
- Then select the "**ACC (Adaptive Cruise Control)**" checkbox in the driving assistants menu.

The ACC does not regulate anything yet (standby).

### Start regulation

Activating the ACC system also automatically activates the ESC and traction control (TCS).

- To start regulation, press the **SET** button ››› Fig. 135.

The ACC saves the current speed and maintains the set distance. If the current speed is outside the predefined speed range, ACC adjusts the speed to the nearest limit of the range.

Depending on the driving situation, the following indicator lamps come on:

**Lights up green**
ACC connected, no vehicle detected in front.

**Lights up green**
ACC connected, vehicle detected in front.

When the ACC is in standby, the indicator lamps light up grey.

### Program the speed

**RES** + 1 km/h (1 mph)

**SET** - 1 km/h (1 mph)

**+** + 10 km/h (5 mph)

**–** - 10 km/h (5 mph)

### Program the distance setting

The distance can be set to one of five levels, from very short to very long:

- Press the button and then + or – button ››› Fig. 135.
- Alternatively, press button as many times as necessary to set the desired distance.

Keep in mind each country's regulations on minimum braking distances.

### Suspend regulation (standby)

- Briefly press button ››› Fig. 135 or press the brake pedal.

The ACC indicator lamp is grey; the speed and distance are saved.

If the ESC or TCS is switched off, the ACC is automatically interrupted.

### Reinstating the cruise control

- Press the **RES** button. The ACC regulates to the last speed and distance setting.
- **OR**: Press **SET** button to regulate to the current speed.

### Exceeding the speed regulated by the ACC

While driving with the ACC switched on, the driver can increase speed by pressing the accelerator pedal. ACC regulation is suspended until you release the accelerator pedal ››› .

### Set the default distance setting

In the Infotainment system, you can pre-select the distance level when connecting the ACC from:

- Very short, Short, Medium, Long and Very long using the Infotainment system: > **Assistants** > **Smart Assistants** > **ACC** ››› page 40.

### Changing the driving profile

*In vehicles with the SEAT Drive Profile*, the selected driving profile can have an influence on the ACC's acceleration and braking behaviour ››› page 183.

*In vehicles without SEAT Drive Profile*, the behaviour of the ACC can also be affected if any of the following drive profiles are selected in the infotainment system in **Drive assist**. ACC settings will be the same as those in the SEAT Drive Profile.

**⚠ WARNING**

**Before driving off, check that the road is clear. The radar sensor may not detect obstacles that could be on the road. This can lead to an accident and serious injury. Press the brake if necessary.**

**ⓘ NOTICE**

**If you increase speed using the accelerator pedal, the ACC may not be able to safely adjust the speed of the distance due to the limitations of the system.**

- **Be prepared to react if required by the situation.**

## Special driving situations

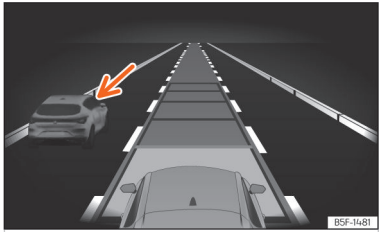


**Fig. 136** On the instrument cluster screen: ACC active, vehicle detected on the left.

Be aware of the limitations and warnings described at the beginning of this chapter ››› page 200, *Introduction*.

### Avoid undertaking on the right[1)]

If a vehicle is detected in the left lane that is travelling at a speed slower than that set by the driver, it will brake the vehicle within the comfort limits of the system to avoid passing it on the right ››› Fig. 136.

You can cancel this regulation by changing the set speed or by pressing the accelerator pedal.

The function works at speeds over 80 km/h (50 mph). It may not be available in certain countries.

### Overtaking

When the turn signal is switched on for overtaking, the ACC reduces the distance from the vehicle in front to help with the overtaking manoeuvre. The set cruising speed will not be exceeded.

The function works at speeds over 80 km/h (50 mph). It may not be available in certain countries.

### Stop&Go function

The ACC can bring the vehicle to a standstill if the vehicle in front stops. *Vehicles with manual gearboxes:* you will need to keep the clutch pedal depressed to allow the car to come to a complete stop.

The ACC remains active and the message **ACC ready to start** is displayed on the instrument cluster for a few seconds. You can extend or reactivate this warning by pressing the button **RES** or by grabbing the wheel if your vehicle is fitted with Travel Assist. During this time, the vehicle will move off again if the vehicle in front moves forwards.

To move off when the message **ACC ready to start** is not longer displayed, once the vehicle in front has moved off:

- Briefly depress the accelerator pedal (and gently lift the clutch pedal on vehicles with manual gearboxes).
- **OR**: press the **RES** button on the multifunction steering wheel.
- **OR**: take the wheel again if your vehicle has Travel Assist.

The ACC does not remain active in the following cases:

- The stopping phase lasts for several minutes.
- When a vehicle door is opened.
- If the ignition is switched off.

**⚠ WARNING**

**If the message ACC ready to start is displayed on the instrument cluster display and the vehicle in front moves off, your vehicle will move off automatically. In this case, any obstacles in the road may not be detected. This may cause serious accidents and injuries.**

- **Always check the road before moving off, and apply the vehicle brakes yourself if necessary.**

## ACC system limitations

The limits of the ACC system mean that it is not appropriate in all situations ››› ⚠ in *Introduction* on page 200.

SEAT does not recommend using the function in the following cases ››› ⚠:

- Heavy rain, snow or fog.
- When going through tunnels.
- On stretches of road with roadworks.
- On routes with curves, e.g. on mountain roads.
- On off-road routes.
- In covered car parks.
- On roads with embedded metal objects such as train or tram tracks.
- On roads with loose gravel.

[1)] Or on the left, in countries that drive on the left hand side of the road.

Pay special attention when using ACC in the following situations:

### On curves

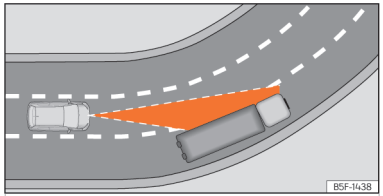


**Fig. 137** Vehicle on a bend.

The ACC may not detect the vehicle in front on a curve, or may regulate the distance from vehicles in other lanes ››› Fig. 137.

### Vehicles outside the sensor zone

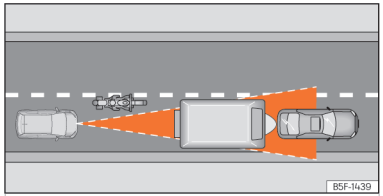


**Fig. 138** Motorcyclist ahead out of range of the radar sensor.

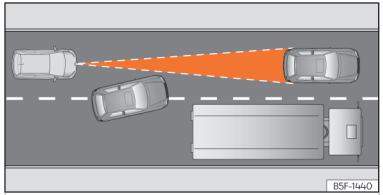


**Fig. 139** Vehicle changing lanes.

In the following situations the ACC may not react, or may react slowly or inappropriately:

- Vehicles that are not aligned while driving or that are outside the sensor's detection area, such as motorcycles ››› Fig. 138.
- Vehicles that move into your lane, a short distance from your vehicle ››› Fig. 139.
- Vehicles with loads or accessories that protrude from the sides, rear or roof.

### Objects that are not detected

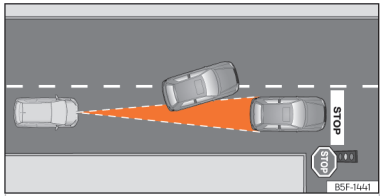


**Fig. 140** A vehicle turning and another stationary.

The ACC function only detects and reacts to vehicles moving in the same direction. Therefore it does not detect:

- People
- Animals
- Vehicles travelling in the opposite direction or crossing the road.
- Other stationary obstacles

The ACC may not react to stationary vehicles. If, for example, a vehicle detected by the ACC turns or moves over and there is a stationary vehicle in front of it, the ACC will not react to the second vehicle ››› Fig. 140.

**⚠ WARNING**

**Using the ACC in the above situations can cause serious accidents and injuries, and you could break the law.**

## Troubleshooting

**ACC not available**

The indicator lamp lights up yellow:

- The radar sensor is dirty or adjusted incorrectly. Take into account the warnings described at the beginning of this chapter ››› page 191
- There is a fault or a defect. Turn off the vehicle's ignition and turn it on again after a few minutes.
- If the problem persists, consult a specialised workshop.

**The ACC does not work as expected**

- Make sure that the conditions are met for the radar sensor to operate properly ››› page 191.
- If the brakes overheat, regulation stops automatically. Wait for them to cool down and check the operation again.
- Unusual noises during automatic ACC braking are normal and do not indicate any anomalies.

**The following conditions may lead the ACC not to react:**

- The accelerator or brake is depressed.
- No gear is engaged or the vehicle is in gear **R**.
- The vehicle is reversing.
- ESC is operating.
- The driver is not wearing his/her seat belt.
- The RPM is too high or too low.
- A vehicle brake light is faulty.
- A trailer brake light is faulty.
- The parking brake is applied.
- Driving on an excessive slope.

# Predictive speed adjustment

## Introduction

The predictive speed adjustment adapts the speed to the speed limitations detected and to the road layout (curves, crossings, roundabouts, etc.).

Predictive speed adjustment is an additional function of the ACC ››› page 200 and uses the traffic signal detection system and the navigation data of the infotainment system.

Predictive speed adjustment is available depending on the equipment, although not in all countries.

**⚠ WARNING**

**The predictive speed adjustment smart technology cannot overcome the limits imposed by the laws of physics and it only works within the limits of the system. Never allow the enhanced convenience of this function induce you to take any risk that compromises safety. If used negligently or involuntarily, it may cause serious accidents and injuries. The system is not a replacement for driver awareness.**

- **Always adapt your speed to suit visibility, weather, road and traffic conditions.**
- **Always pay attention to traffic and always keep the vehicle environment in mind.**
- **Always be prepared to adjust the speed yourself. If the traffic sign recognition system is not working properly or the navigation data is not updated, the speed may change unexpectedly and suddenly or may not be suitable for the current traffic situation. In addition, the speed adjusted by the system may not suit your driving style.**
- **Always be prepared to adjust the speed yourself. If you drive without any active guided route, if you leave the route calculated by the navigation system or if the position of the vehicle cannot be determined correctly because the GPS does not provide accurate data, the speed may change unexpectedly and suddenly or may not adapt to the current traffic situation.**
- **Always use up to date navigation data.**

- **Always take into account the maximum permitted speed. In the case of speed limitations that are not included in the navigation data, the maximum permitted speed may be exceeded.**

**Note**

**Also note the information related to the ACC relevant to safety** ››› page 200.

## Limitations of the predictive speed adjustment

In addition to the limitations of the road sign detection system and the limitations of the ACC, predictive speed adjustment has the following limitations inherent to the system:

- Predictive speed adjustment only recognises traffic signals that show a speed limitation. The predictive speed adjustment does not take into account, above all, the rules on priority of passage or traffic lights.
- Traffic signs that indirectly show a speed restriction, e.g. signs at the entrance to towns, are only recognised on the basis of navigation data.
- On roads that are not included in the navigation data, or that are included with little accuracy, predictive speed adjustment is not available.
- If a speed limitation is notified based on the navigation data without it being detected by the traffic signal detection system, the indicated speed will be adjusted to the speed that was saved the last time.
- Predictive speed adjustment is not available for speed limitations below approx. 20 km/h (approx. 15 mph). In this case, a relevant message is displayed on the instrument panel screen.

## Activating the predictive speed adjustment

In the infotainment system, in the assist services menu, you can individually adjust the type of incident the vehicle should react to ››› page 40:

- Response to road layout.
- Response at permitted speeds.

## Driving with the predictive speed adjustment

- Connect the ACC ››› page 201.
- Set the distance and speed.
- Activate the predictive speed adjustment.

As soon as the system recognises a speed limitation or a relevant road layout during the route, a warning will appear on the instrument panel display. This warning will indicate the reason and the speed to which the vehicle will adjust due to said limitation.

Adjustment due to a speed limitation.

Adjustment due to a road layout.

In the event of adjustment due to a speed limitation, the detected speed will be saved as the new desired speed. In the event of adjustment due to the road layout, the vehicle will accelerate again after leaving the reason for the adjustment behind and the speed will be adjustment to that which has been saved.

The speeds indicated for curves depend on the driving profile››› page 183.

### Interrupting speed adjustment

- During the warning, press the button **RES**.
- During the regulation, press the button **SET**.

### Adjust the announced speed

The announced speed can only be adjusted in the event of adjustment due to a speed limitation.

### Multifunction steering wheel:

**RES** + 1 km/h (1 mph)

**SET** - 1 km/h (1 mph)

**+** + 10 km/h (5 mph)

– - 10 km/h (5 mph)

If you adjust the indicated speed excessively, the predictive speed adjustment is interrupted.

**Note**

- **When a speed limitation is recognised, the predictive speed adjustment also adapts the saved speed even if the ACC is switched off. However, it will not adjust.**
- **If the speed of travel considerably exceeds the speed limit detected by the traffic signal detection system, a relevant warning is displayed in the instrument panel display.**
- **In the event of joining a highway without speed limitation, the recommended speed is automatically saved as the desired speed. If a higher speed has previously been saved for a motorway without a speed limit, this is used instead of the recommended speed.**

## Troubleshooting

**A message is displayed indicating that predictive speed adjustment is not currently available or not in your country.**

- If this message is displayed for a long time and predictive speed adjustment is available in your country, contact a specialised workshop.

**Note**

**Depending on the anomaly in question, additional information may be displayed in Vehicle status** **››› page 39**.

# Emergency brake assistance system (Front Assist)

## Introduction

The objective of the system is to prevent head-on collisions against objects that may be in the vehicle's path or minimise the consequences of such impacts.

The function is designed to avoid collisions against:

- Parked vehicles.
- Vehicles, pedestrians and cyclists that are travelling in the same lane and direction.
- Pedestrians and cyclists who transversely cross the vehicle path.

The Front Assist records the mentioned objects by means of a camera on the top of the windscreen and a radar sensor on the front of the vehicle **››› page 191**.

Depending on several factors and how critical the situation is, the system operates in a staggered manner.

First informing the driver, and if there is no or insufficient reaction, then activating an autonomous emergency braking or an evasive manoeuvre as indicated by the conditions that will be discussed in the following points.

The system can be cancelled if the accelerator pedal is pressed or the steering wheel is turned firmly.

Depending on the equipment and the country, the Front Assist also includes the following functions:

- Pedestrian protection **››› page 208**
- Cyclist protection **››› page 208**
- Dodge assist **››› page 208**
- Turn assist **››› page 209**

**⚠ WARNING**

- **Front Assist is a driving assistance function that can never replace the driver's attention.**
- **Front Assist cannot change the laws of physics or replace the driver in terms of keeping control of the vehicle and reacting to a possible emergency situation.**
- **Following a Front Assist emergency warning, pay immediate attention to the situation and try to avoid the collision where appropriate.**

## Warning levels and brake assist

Front Assist is active from 5 km/h (3 mph). Depending on different conditions (vehicle speed, speed and type of object recognised, etc.), some of the stages described below are omitted to optimise the performance of the system.

### Safety distance warning

If the system detects that you are driving too close to the vehicle in front, it will warn the driver with this indication on the instrument cluster display.

The timing of the warning varies depending on driver behaviour, vehicle speed and relative speed between both.

The safety distance warning is active from approx. 65 km/h (40 mph).

### Advance warning

If the system detects a possible collision with the vehicle in front, it alerts the driver by means of an audible warning and an indication on the instrument panel display .

The warning moment varies depending on the traffic situation and driver behaviour. At the same time, the vehicle will prepare for a possible emergency braking ››› ⚠ in *Introduction* on page 207.

When Front Assist is connected, the indications of other functions on the screen may be hidden.

### Critical warning

If the driver fails to react to the **advance warning**, the system may actively intervene in the brakes and generate a brief jolt to warn the driver of the imminent danger of a collision.

### Automatic braking

If the driver also fails to react to the **critical warning**, the system may initiate independent emergency braking by progressively increasing the braking in accordance with the criticality of the situation.

### Driver emergency braking assistance system

If the driver, after the critical warning, starts braking but the system detects that the brake is not being applied with sufficient force, the braking intensity will be increased. This brake assist only occurs if the pedal is pressed firmly.

**⚠ WARNING**

- **The system cannot prevent a collision, although it can significantly minimise the consequences by reducing the speed and the force of the impact.**
- **When the Front Assist causes a braking, the brake pedal is "harder".**
- **Automatic interventions by the Front Assist on the brakes may be interrupted by pressing the accelerator or moving the steering wheel.**
- **The Front Assist may brake the vehicle until it stops completely. However, the brake system does not halt the vehicle permanently. Use the foot brake!**

## Pedestrian and cyclist recognition

The system recognises pedestrians and cyclists who travel in the same lane and direction and pedestrians and cyclists who transversely cross the vehicle's path.

Pedestrian and cyclist recognition technology cannot exceed the physically prescribed limits and works exclusively within the system's limits. The responsibility for braking always depends on the driver.

The pedestrian and cyclist recognition can cause undesired warnings and braking interventions, e.g. with a hidden radar sensor or a dirty camera field of vision.

Be ready to take charge of the vehicle at any time.

The pedestrian and cyclist recognition operating speed range is lower than that of the Front Assist.

## Dodge assist

Dodge assist helps the driver avoid an obstacle in critical conditions.

Once the Front Assist has activated a critical warning, if the driver intends on dodging the object, the dodge assist will help correct the trajectory. The driver must start and finish the manoeuvre, as this is an assistance system and not an autonomous one.

The system is active between approximately 30 km/h (20 mph) and 150 km/h (90 mph).

### Limitations

This system does not react to objects that cross transversely or to animals. The basic limitations of Front Assist should also be taken into account ››› page 209.

## Turn-off assist

Turn-off assist can avoid a collision with a vehicle approaching in the opposite direction, by braking the vehicle itself when the intention is to turn.

This system is active **up to 20 km/h** (12 mph).

### Limitations

The turn-off assist function is available if you have indicated your intention to turn by activating the turn signal, you have turned the steering wheel and the turning path has started.

It only reacts to vehicles that are in the path of the vehicle (not to animals, people, etc.).

The basic limitations of the Front Assist must also be taken into account››› page 209.

## System limitations

Front Assist has certain limitations inherent to the system. Thus, in certain circumstances, some of the reactions may be inappropriate from the driver's standpoint. So pay attention in order to intervene if necessary.

**The following conditions may cause the Front Assist not to react or to do so too late:**

The indication will be shown on the instrument cluster display in the first few instants of driving after switching on the ignition, due to the system's initial auto-calibration.

### Unrecognised objects

- Vehicles travelling outside the reach of the sensors at close range from your own vehicle.
- Vehicles that suddenly change to the lane on which your vehicle is travelling.
- Pedestrians that cannot be recognised because they are partially or totally hidden.
- Objects such as walls, posts, fences, trees or garage doors.
- Loads and accessories of other vehicles that protrude over the sides, backwards or over the top.
- In the case of pedestrians or cyclists standing or approaching in the opposite direction.
- Other vehicles crossing the vehicle's path.

### Operational limitations

In the following situations, the Front Assist may work late or in an undesirable manner.

- If the Front Assist or the front camera are disabled or broken.
- If the radar sensor or the front camera are dirty or covered.
- On taking tight bends or complex paths.
- When pressing the accelerator firmly or at full throttle.
- If the ESC is adjusting or is broken.
- If several brake lights of the vehicle or electrically connected trailer are damaged.
- If the vehicle is reversing.
- In case of snow or heavy rain.
- In case of dazzling sun or total darkness.
- Entrances and exits of tunnels.
- In complex driving situations (such as traffic islands, cut-through roundabouts, etc), Front Assist may issue warnings and intervene in braking in an unnecessary manner.

For more details, see section ››› page 190.

## Manual activation and deactivation of the function

Front Assist indicators appear on the instrument panel display.

Front Assist is active whenever the ignition is switched on. At the time of starting the ignition, Front Assist may not be available for a short period of time while the system starts. During this phase, the instrument cluster screen will display the following indication .

When Front Assist is disabled, so too are the advance warning and the distance warning functions.

SEAT recommends leaving Front Assist activated except in the situations explained in section **page 210**, ***Temporarily deactivate Front Assist***.

### Switching Front Assist on and off

With the ignition switched on, Front Assist can be deactivated or activated as follows:

- In the infotainment system: press the function button > **Driver assist > Smart Assistants > Front Assist** ››› **page 40**.
- **OR:** Select the corresponding menu option using the button for the assistants systems ››› **page 190**.

OFF The indication will be displayed in the instrument cluster when Front Assist is deactivated.

Each time the ignition is switched on, Front Assist will reappear as active.

### Switching distance warning on and off

The safety distance warning can be activated or deactivated in the infotainment system using the function button > **Driver assist > Smart Assistants > Front Assist** ››› **page 40**.

Each time the ignition is switched on, the distance warning will reappear as active.

SEAT recommends having the safety distance warning activated except in the exceptions described in section **page 210**, ***Temporarily deactivate Front Assist***.

### Activate or deactivate the swerve and turn assist

The swerve and turn assistance systems can be activated or deactivated in the infotainment system using the function button > **Driver assist > Smart Assistants > Front Assist** ››› **page 40**.

Whenever the ignition is switched on, the swerve and turn assist will reappear as active.

SEAT recommends having the swerve and turn assistance systems activated except in the exceptions described in section **page 210**, ***Temporarily deactivate Front Assist***.

### Temporarily deactivate Front Assist

In the following situations Front Assist should be deactivated due to the system's limitations:

- When the vehicle is to be towed.
- If the vehicle is on a test bed.
- If the radar sensor or the front camera is faulty.
- If the radar sensor or the front camera has suffered a violent blow.
- If it intervenes several times unnecessarily.
- If the radar sensor or the front camera is temporarily covered by an accessory.
- When the vehicle is going to be loaded onto transportation.
- If the windscreen is damaged in an area that covers the vision of the front camera.

# Lane Assist system

## Introduction

The Lane Assist System helps the driver stay in his/her lane within the physical limits of the system. This function is not suitable and is not designed to keep the vehicle automatically in the lane.

Using the camera located in the windscreen, the Lane Assist system detects the lane boundaries dividing the lanes in which the vehicle is travelling. If the vehicle gets too close to the detected lane limits, the system alerts the driver through a corrective motion of the steering wheel. The driver can cancel the steering corrective action at any time.

No warning is produced with the turn signals activated, given that the Lane Assist system understands that a lane change is required.

### System limits

Use the Lane Assist system only on large, well-maintained motorways and highways.

The system is not available under the following conditions:

- The driving speed allowed is below approx. 60 km/h (35 mph).
- The system has not detected any lane lines.
- On tight bends.
- Temporarily in very sporty driving situations.
- If the driver firmly rectifies a system intervention.
- If a lane marking is crossed despite system intervention.
- If the driver does not react to a request to intervene.

**⚠ WARNING**

**The intelligent technology in the Lane Assist system cannot change the limits imposed by the laws of physics and by the very nature of the system. Careless or uncontrolled use of the Lane Assist system may cause accidents and injury. The system is not a replacement for driver awareness or manoeuvres when driving.**

- **Always adapt your speed and the distance to the vehicles ahead in line with visibility, weather conditions, the condition of the road and the traffic situation.**
- **Always keep your hands on the steering wheel so it can be turned at any time. The responsibility of staying in the lane is always the driver's.**
- **The Lane Assist system does not detect all road markings. The road surfaces, road structures or objects in poor condition can be incorrectly detected as road markings under certain circumstances by the Lane Assist system. Immediately counter any unwanted intervention of the system.**
- **Please observe the indications on the instrument panel and act as is necessary if the traffic situation permits.**
- **In the following situations there may be undesired interventions of the system or it may be that the system does not intervene at all. In these situations, special attention is required from the driver and, where appropriate, the temporary deactivation of the lane assist warning system:**
  - **In very sporty driving situations.**
  - **In adverse weather conditions and roads in poor condition.**
  - **When passing through areas undergoing works.**
  - **Before gradient changes of grade and river beds.**
- **Always observe the vehicle surroundings carefully and drive proactively.**
- **When the area of vision of the camera becomes dirty, covered or is damaged, the Lane Assist system function can be affected.**

## Driving with the Lane Assist System

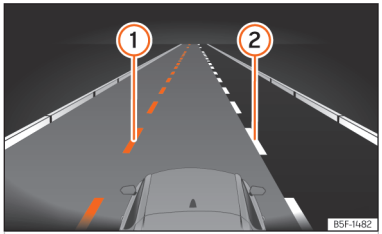


**Fig. 141** On the instrument cluster screen: indications of the lane assist system.

1. Yellow line: The system intervenes assisting on the represented side.
2. White line: Lane line detected. The system is ready to intervene on the displayed side. When the line is grey, the lane line is detected but the system is in a passive state or not available for intervention.

Depending on the equipment, additional details of the lane marking line currently detected by the camera, e.g. dashed road markings, can also be displayed on the instrument cluster screen.

### Indicator lamps

**Lights up grey**
Lane departure warning system switched to passive and not available for guidance.

**Lights up green**
Lane Assist system active and available.

**Lights up yellow**
The Lane Assist system intervening with a rectification of the steering.

### Switching the lane assist system on or off

In some countries, the Lane Assist system is always activated when the ignition is switched on. The connection status is displayed in the infotainment system's **Vehicle** menu. Activation and deactivation can also be carried out in this menu.

The Lane Assist system is designed to actively intervene as of approximately 65 km/h (40 mph) and if it has detected the lane boundaries (system status: active).

When a turn signal is activated, the system temporarily switches to a passive state in the indicated direction and is available for operation in the opposite direction.

An energetic rotation or rectification of the steering wheel by the driver causes the system to temporarily switch to a passive state.

OFF When Lane Assist is switched off, the yellow disconnection warning lamp lights up in the instrument cluster (depending on the country).

**Note**

**If a system fault persists, Lane Assist may switch off automatically.**

### Driver intervention prompt

If the steering is not corrected manually, the system prompts the driver through an indication on the instrument panel display and acoustic warnings.

If no reaction is obtained from the driver, the system switches to a passive state.

Depending on the equipment, Emergency Assist is activated.

Regardless of the steering manoeuvres, through an indication on the instrument panel display and acoustic warnings, the driver is also prompted to drive through the centre of the lane if the steering correction lasts more than reasonable.

### Steering wheel vibration

The following situations may result in a steering wheel vibration:

- The lane ceases to be recognised during a sudden intervention in the direction of the system.

It is also possible to select steering wheel vibration in the **Vehicle** menu of the infotainment system. In this case, when a vehicle with Lane Assist switched on crosses over a detected lane marking, the steering wheel will vibrate.

## Troubleshooting

### The lane departure warning assistant is not available

The control lamp switches on yellow. A relevant warning is also displayed on the instrument panel screen.

- The field of vision of the camera is dirty. Clean the windscreen ››› page 378.
- The visibility of the camera is diminished due to accessories or adhesives.
- There is a fault or a defect. Switch the engine off and on again.

### The system behaves differently than expected

- The camera has been altered or damaged, e.g. because of damage caused to the windscreen. Check for visible damage.
- Do not mount objects on the steering wheel.

If the problem persists, consult a specialised workshop.

**Note**

**After switching on the ignition, it may take a few seconds before a fault is detected in the system.**

**Note**

**If lane assist is not available, Emergency Assist and Travel Assist are not available either.**

# Driving Assist (Travel Assist)

## Introduction

Travel Assist combines adaptive cruise control (ACC) and the adaptive lane guidance function. Within the limitations of the system, the vehicle can maintain a distance from the vehicle in front that is preselected by the driver and remain in the preferred position within the lane.

Travel Assist uses the same sensors as Adaptive Cruise Control (ACC) and Lane Assist. Therefore, carefully read the information about the ACC ››› page 200 and the Lane Assist ››› page 210 and take into account the limitations of the systems and the indications given in the information.

### How to know if the vehicle is fitted with Travel Assist

The vehicle is fitted with Travel Assist if the Travel Assist option appears in the instrument cluster menu when the button on the multifunction steering wheel is pressed.

### Speed range

Travel Assist regulates at speeds between 20 and 210 km/h (15 and 130 mph).

### Driving with Travel Assist

Travel Assist automatically controls the accelerator pedal, the brakes and the steering. In addition, Travel Assist may, within its limitations, decelerate the vehicle until it stops behind another that stops and automatically starts again.

You can override assisted adjustment at all times.

### Status display

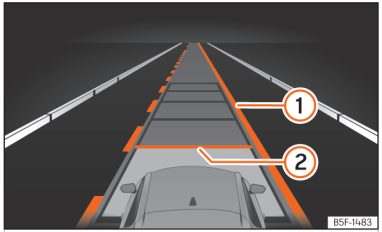


**Fig. 142** On the instrument cluster display: display of active regulation (schematic representation).

① The colour of the lane markings indicates the status of the adaptive lane guidance function.

- *Green:* adaptive lane guidance function active.
- *Grey:* passive adaptive lane guidance function.

② Distance set.

Depending on the equipment, additional details, e. g. dashed road markings and vehicles in front, can also be shown on the instrument cluster display.

Control lamps indicate the status of the system on the instrument panel display:

Indicator lamp green: Travel Assist active, adaptive cruise control and adaptive lane guidance function are active.

Partially green lamp: Travel Assist active, adaptive cruise control active and adaptive lane guidance function passive.

Grey lamp: Travel Assist deactivated, not regulating.

### Driver intervention prompt

If you remove your hands from the steering wheel, after a few seconds the system asks you to take over the steering with an indication on the instrument panel display and acoustic warnings.

If you do not react, Travel Assist is deactivated.

Depending on the equipment, Emergency Assist activates in its place.

**⚠ WARNING**

The Travel Assist smart technology cannot overcome the limits imposed by the laws of physics and it only works within the limits of the system. If Travel assist is used negligently or involuntarily, it may cause serious accidents and injuries. The system is not a replacement for driver awareness.

- Bear in mind the system limitations and the indications regarding the control of the Adaptive Cruise Control (ACC) and Lane Assist.
- Adapt your speed and safety distance to the vehicle in front of you at all times to suit visibility, weather, road and traffic conditions.
- Do not use Travel Assist when visibility is bad, on steep roads, on windy roads or in slippery circumstances (e. g., snow, ice, rain or loose gravel), or on flooded roads.
- Do not use Travel Assist offroad or on roads where the surface is not firm. Travel Assist has been designed for use on paved roads only.
- Travel Assist does not react to people or animal or vehicles crossing your path or which approach you head-on in the same lane.
- Brake immediately if Travel Assist does not slow down enough.
- Brake immediately when instructed to do so on the instrument cluster display, or if Travel Assist does not reduce speed sufficiently.
- Brake when the vehicle continues to move forward without it being desired after an indication to brake.
- If possible, do not wear gloves while driving. The system could interpret this as no driving activity.
- If driver intervention is requested on the instrument panel display, immediately resume control of the vehicle.
- Keep your hands on the steering wheel at all times, to ensure you have control over the steering at all times. The driver is always responsible for keeping the vehicle in its own lane.
- Always be prepared to adjust the speed yourself.

## Operating Travel Assist

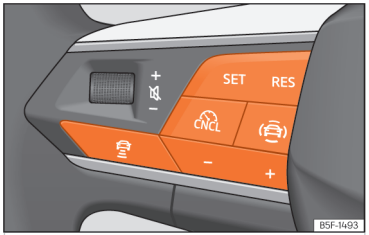


**Fig. 143** Left side of the multifunction steering wheel

### Switch on and start regulation

The Travel Assist function can be found in the menu together with the ACC and speed limiter functions.

1. While driving with ACC activated, tap on the multifunction steering wheel to select the Travel Assist function.

   The vehicle switches from ACC to Travel Assist.

Depending on the driving situation, the vehicle switches to the following system statuses in Travel Assist:

- When ACC is regulating, Travel Assist maintains the current speed and the preset distance to the vehicle in front.

When lane markings are detected, the vehicle is also kept in the lane by steering movements.

- If ACC is not regulating, Travel Assist remains selected but in a passive (unregulated) status.

1. Press the **SET** button.

   Travel Assist switches to the active system status, depending on the driving situation.

The indicator lamp for the driving situation lights up on the instrument cluster display. A message is also displayed.

### Interrupting the adjustment

1. Briefly press the button ⏲.

   **OR:** press the brake pedal.

   The set distance remains saved.

### Switch to ACC or speed limiter

1. Press the button on the multi-function steering wheel.

   The vehicle switches from Travel Assist to the ACC or speed limiter system status corresponding to the driving situation.

### Making other adjustments

All other aspects of Travel Assist are controlled like the ACC.

## Using the lane change assist

Lane Change Assist uses the same sensor system as Side Assist. Therefore, read the information on Side Assist ››› **page 218** carefully and observe the limits of the system and the notes that it displays.

Activating the convenience turn signal on a motorway, provided that the prerequisites are met and no vehicles have been detected in the vicinity, provides assistance when the vehicle is changing lanes.

### Prerequisites

Lane change assist is only available, depending on the vehicle's equipment, when driving forwards on multi-lane motorways included in the Infotainment system's navigation data, and when travelling faster than 90 km/h.

Travel Assist must also be activated.

The **convenience turn signals** mode must first be activated in the infotainment system's vehicle settings menu ››› **page 130**.

### Status display

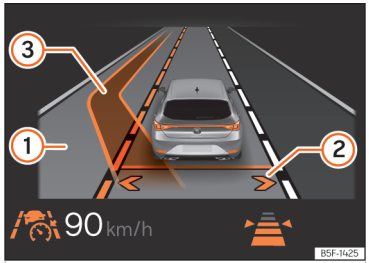


**Fig. 144** On the instrument cluster screen: lane change assist display (schematic representation).

1. Adjoining lane highlighted: changing lanes is possible on the respective side.
2. Arrows in the vehicle's own lane show that the assisted lane changing function is switched on.
   - *Grey arrow:* changing lanes to the respective side of the lane is not possible.
   - *White arrow:* changing lanes to the respective side of the lane is possible.
3. Green track on the overtaking lane: lane change is in progress.

### Activating and deactivating lane change assist

You can activate and deactivate lane change assist in the Infotainment system.

1. Access the assistant menu.
2. Select Travel Assist.
3. Activate or deactivate lane change assist as a sub-function of Travel Assist.

**Note**

**If a fault occurs in the system, the lane change assist may automatically switch off or be interrupted during the lane change.**

### Activating lane change assist while driving

Once the prerequisites have been met and the programmed speed has been set with the SET button:

1. Press the SET button again.

   This activates the lane assist. The arrows of your own lane on the instrument cluster display are grey ››› Fig. 144 ②

### Changing lanes

If the system detects no objects in the detection field of the sensor system and an assisted lane change to an adjacent lane is possible, the corresponding lane is shown in the instrument cluster display next to the driver's own lane. The arrow on the corresponding side of the lane is displayed in white ››› Fig. 144 ②.

1. When the convenience turn signal is activated on the desired side, the vehicle changes lane. A message is also displayed.

When changing lanes, the vehicle automatically activates the turn signal on the corresponding side. Once the lane change is complete, the turn signal automatically switches off.

**⚠ WARNING**

**The sensor system cannot reliably detect all objects in the surroundings and operates exclusively within the limits of the system. If you use the lane change assist irresponsibly, accidents and serious injuries can occur. The system is not a replacement for driver awareness.**

- **Before changing lanes, make sure it is safe to do so. In particular, rapidly approaching objects may not be detected in time.**
- **Keep your hands on the steering wheel at all times and be prepared to control your own speed and direction of travel.**

### Turning off the lane change assist

- It turns off if the steering wheel is turned sharply.
- **OR:** by pressing the button.
- **OR:** by pressing the brake pedal.

Lane change assist is deactivated.

## Troubleshooting

### Travel Assist is not available or does not work as expected

The control lamp switches on yellow. A relevant warning is also displayed on the instrument panel screen.

- There is a fault in the sensors. Check the causes and solutions described in the information about the ACC ››› page 205 or the Lane Assist ››› page 212.
- There is a fault or a defect. Switch the engine off and on again.
- The system limits are exceeded.
- If the problem persists, consult a specialised workshop. SEAT recommends visiting a SEAT dealership.

### Grip the steering wheel

The warning lamp lights up white and a message is then shown on the instrument cluster screen.

- You released the steering wheel for a few seconds. Take hold of the steering wheel and take control of the vehicle.

### Grip the steering wheel

The warning lamp lights up red and a message is shown on the instrument cluster display. Depending on the situation, an audio warning sounds or the steering wheel vibrates.

- You have let go of the steering wheel for a long time, or the system limits have been reached. Immediately take hold of the steering wheel and take control of the vehicle.

**Travel Assist disconnects automatically**

- *Vehicles without Emergency Assist:*

You have released the steering wheel for a long period.

- There is a fault or a defect. Switch the engine off and on again.
- If the problem persists, consult a specialised workshop. SEAT recommends visiting a SEAT dealership.

**The adjustment is interrupted unexpectedly**

- *Vehicles without lane departure warning:*

You have turned on the turn signal.

**Lane change assist is interrupted or unavailable**

A message about this is shown on the instrument cluster display.

- The vehicle has stopped detecting lane markings.
- You have let go of the steering wheel
- You are applying too much force to the steering wheel.
- You have turned on the turn signal too many times, or the turn signal lever is stuck.
- The driving speed is lower than around 85 km/h.
- The vehicle has detected objects in the vicinity that prevent an assisted lane change.
- You are not on a multi-lane motorway.

# Emergency Assist

## How it works

Emergency Assist can detect whether the driver is inactive and can automatically keep the car in its lane and stop it altogether if necessary. This way the system can actively help avoid an accident or reduce its consequences.

Emergency Assist uses the same sensors as Adaptive Cruise Control (ACC) and Lane Assist Therefore, carefully read the information about the ACC ››› **page 200** and Lane Assist ››› **page 210** and take into account the limitations of the systems and the indications given in the information.

**Driver intervention prompt**

If the emergency assist detects that the driver is not actively doing anything, he or she is prompted to take control of the vehicle by audio warnings and a brief application of the brake. In addition, a warning is shown on the instrument cluster display and the volume of the infotainment system is lowered.

Depending on the equipment, the driver's seat belt is tightened at the same time.

**System intervention**

If the driver does not react, the system can brake the vehicle and keep it in its lane. The following control lamp lights up on the instrument cluster display:

The system is regulating, lane guidance is activated.

The system is regulating, passive lane guidance.

You can cancel the adjustment at any time by moving the steering wheel, over-accelerating or braking.

While the emergency assistant is in operation, other road users are warned as follows:

- The hazard warning lights are switched on soon after.
- The horn sounds (depending on the speed).

The following happens as soon as the vehicle stops:

- The electronic parking brake and gear shift position **P** are engaged.
- All doors are unlocked.

- The passenger compartment lighting comes on.
- Depending on the features, an emergency call (eCall) is made.

### Connecting and disconnecting

Emergency Assist is always available after the ignition has been switched on and is activated if the following conditions are met:

- Travel Assist or Lane Assist) is switched on.
- The system has detected at least one lane boundary to the left or right of the vehicle.

**Note**

**If the emergency assist is faulty, it may switch off automatically.**

**Note**

**If Lane Assist is unavailable, Emergency Assist is also unavailable.**

**WARNING**

**The smart technology fitted into the Emergency Assist cannot overcome the limits imposed by the laws of physics; it only works within the limits of the system. The driver is responsible for driving the vehicle.**

- **Adapt your speed and safety distance to the vehicle in front of you at all times to suit the visibility, weather, road and traffic conditions.**
- **The Emergency Assist cannot always avoid accidents or serious injuries by itself.**
- **If the radar sensor or the camera are covered or have been altered or damaged, the system may intervene on the brakes or on the direction in an inappropriate manner.**
- **The Emergency Assist does not react to people or animal or vehicles crossing your path or which approach you head-on in the same lane.**

**WARNING**

**If the Emergency Assist Intervenes inopportunely, serious accidents and injuries may occur.**

- **If the vehicle behaves differently than expected, interrupt the intervention of the Emergency Assist by over-accelerating, braking or moving the steering wheel.**
- **Do not use Travel Assist or Lane Assist. Have the system checked by a specialised workshop.**

## Troubleshooting

### SOS Emergency Assist is not available

The control lamp switches on yellow. A relevant warning is also displayed on the instrument panel screen.

- There is a fault or a defect. Turn the drive system off and on again.
- If the problem persists, switch off the Emergency Assist and go to a specialised workshop.

### The buttons react differently than expected

Moisture, dirt and grease can limit the operation of the buttons.

- Make sure the buttons are always clean and dry.

# Lane departure warning (Side Assist)

## Introduction

The lane departure warning uses radar sensors to monitor the areas behind the vehicle ››› page 6, ››› page 7. The system does this by measuring the vehicle's distance from other vehicles and its speed differential. The lane departure warning will not work at speeds of less than approx. 15 km/h (9 mph).

The lane width is not detected individually, but is rather pre-configured in the system. Thus if you are driving in wide lanes or in between two lanes, the indications may be incorrect. Furthermore, the system can detect vehicles driving in the lane next to you (if there are any), and can also detect stationary objects such as dividers, and thus give an incorrect indication.

### Trailer mode

Side assist is automatically deactivated and cannot be switched on if the factory-fitted tow-bar is electrically connected to a trailer or similar device.

As soon as the driver starts to drive with a trailer connected electrically to the vehicle, a message is displayed on the instrument panel display indicating that side assist is switched off. Once the vehicle trailer has been disengaged, side assist will return to the initial state prior to the moment the trailer was electrically connected.

If the tow-bar is not factory fitted, side assist should be switched off manually when driving with a trailer.

### Physical limitations inherent to the system

In some situations the lane departure warning may not interpret the traffic situation correctly. I.e. in the following situations:

- on tight bends;
- in the case of lanes with different widths;
- in areas with significant gradient changes;
- in adverse weather conditions;
- in the case of special constructions to the side of the vehicle, e.g., high or irregular dividers.

**⚠ WARNING**

**The smart technology incorporated into Side Assist cannot overcome the limits imposed by the laws of physics; it only works within the limits of the system. Accidents and severe injury may occur if Side Assist is used negligently or involuntarily. The system is not a replacement for driver awareness.**

- **Adapt your speed and safe distance to the vehicle in front of you at all times to suit visibility, weather, road and traffic conditions.**
- **Keep your hands on the wheel at all times to be ready to intervene in the steering at any time.**
- **Pay attention to the indicator lamps that may come on in the external rear view mirrors and on the instrument cluster, and follow any instructions they may give.**
- **The lane departure warning could react to any special constructions that might be present to the sides of the vehicle, e.g. high or irregular dividers. This may cause erroneous warnings.**
- **Never use the lane departure warning on unpaved roads. The lane departure warning has been designed for use on paved roads.**
- **Always pay attention to the vehicle's surroundings.**
- **The control lamps of the lane departure warning may have limited functionality due to solar radiation.**

**Note**

**If Side Assist does not work as described in this chapter, stop using it and contact a specialised workshop.**

## Driving with Side Assist

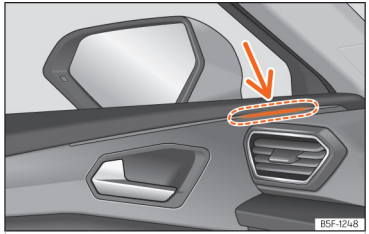


**Fig. 145** Control lamp of the lane departure warning.

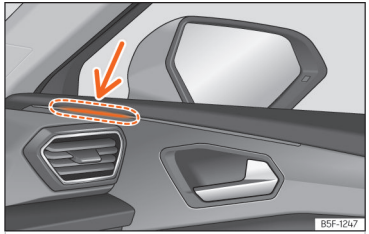


**Fig. 146** Control lamp of the lane departure warning.

### Connecting and disconnecting

Side Assist can be switched on and off by accessing the **Assistants** menu in the infotainment system.

Additionally it can be switched on and off by accessing the **Assistants** menu on the instrument cluster.

When the lane departure warning is ready to operate, the indications in the control lamps will turn on briefly as confirmation.

When the vehicle is restarted, the last adjustment in the system will remain active.

### Light indication

The control lamp provides an indication on the corresponding side regarding the traffic situation behind the vehicle, if it is deemed to be critical. The control lamp on the left-hand side indicates the traffic situation to the rear left of the vehicle, and the control lamp on the right-hand side indicates the traffic situation to the rear right of the vehicle .

Keep the warning lamps zone of the lane departure warning free of objects, adhesives or the likes that may interfere with your visibility.

| It lights up |
|---|
| It turns on once briefly: the lane departure warning is activated and ready to operate, i.e. when activating the system. |
| It lights up continuously: the lane departure warning has detected a vehicle in the blind spot. |

| Flashes |
|---|
| A vehicle has been detected in the adjacent lane and the turn signal has been engaged in the direction of the detected vehicle. |
| For vehicles that are also equipped with Lane Assist ››› page 210, a warning to switch lanes will also appear even though the turn signal has not been engaged (Lane Assist "Plus"). |

The control lamps light up when the ignition is switched on and should turn off after approximately 2 seconds. This is the time taken for the function check.

If there are no indications from the control lamp of the lane departure warning, this means that the lane departure warning has not detected any other vehicles at the rear area.

When the exterior lighting is low, the intensity with which the control lamps come on is dimmed. The user can modify the intensity of the control lamps with up to 5 levels in the infotainment system menu.

### Lane assist Plus.

The Lane Assist Plus function can be used by activating the **Lane Assist** ››› page 210 and **Side Assist** functions. In this case its functions are expanded as described below.

If the driver initiates a lane change manoeuvre in a potential critical situation:

- The lamp flashes in the corresponding rear-view mirror even though the turn signal has not been activated.
- The steering wheel vibrates to warn the driver of the risk of collision.
- torque is applied to correct the steering and return the vehicle to its lane.

### Driving situations

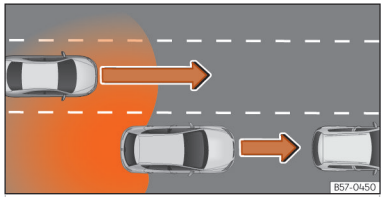


**Fig. 147** Overtaking with traffic behind the vehicle.

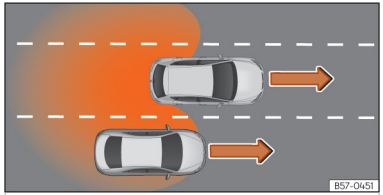


**Fig. 148** Overtaking in the central lane and then joining the right lane.

In the following situations, an indication will be displayed by the control lamp ››› Fig. 145 , ››› Fig. 146 (arrow):

- When being overtaken by another vehicle ››› Fig. 147.
- When overtaking another vehicle ››› Fig. 148 with a speed difference of approx. 10 km/h (6 mph). If the vehicle is passing at a considerably higher speed, no indication will be displayed.

The faster the vehicle approaches, the sooner an indication will be displayed in the control lamp, because the lane departure warning takes into account the speed differential with other vehicles. Thus even though the distance from the other vehicle is identical, the indication will appear sooner in some cases and later in others.

# Parking and manoeuvring

## Park the vehicle

### Parking

When parking your vehicle, all legal requirements should be observed.

1. Connect the electronic parking brake ››› page 223.
2. *Automatic transmission:* switch on the parking lock by pressing button **P**.
3. Stop the engine and turn off the ignition. Turn the steering wheel slightly to engage the steering lock.
4. *Manual gearbox:* engage first gear on flat ground and slopes, or even reverse gear on hills, and release the clutch pedal.
5. On slopes, turn the steering wheel so that if the parked vehicle were to start moving, it would steer toward the kerb.
6. Exit the vehicle ››› ⚠. Watch out for other road users!
7. Take all vehicle keys with you and lock it.

To avoid damage or hazardous situations, always park the vehicle on a suitable parking surface ››› ⓘ.

**⚠ WARNING**

**If the vehicle is parked incorrectly, it could roll away, even on gentle slopes. This can cause accidents and serious injuries.**

- **When parking, always carry out the operations in the stipulated order.**
- **Before leaving the vehicle, make sure that the electronic parking brake is engaged.**

**⚠ WARNING**

**If children, people who may need assistance or animals are left unattended in the vehicle, accidents and serious injuries can occur.**

- **Never leave children, people who may need assistance or animals unattended in the vehicle. They could operate the gear selector and release the electronic parking brake. The vehicle could be set in motion.**
- **Never leave children, people who may need assistance, or animals in the vehicle. Depending on the season, very high or low temperatures can be reached inside a closed vehicle.**
- **Always take all vehicle keys with you when leaving the vehicle.**

**ⓘ NOTICE**

**The presence of irregularities on the ground, sand or mud can cause damage to the vehicle and mean that it cannot be parked properly.**

- **Always park the vehicle on firm and flat ground.**

**ⓘ NOTICE**

**Components on the underside of the vehicle, such as bumpers, spoilers and running gear components, can be damaged when running over objects protruding from the ground.**

- **Drive carefully when entering buildings, on ramps, driving over kerbs or fixed markings, and on descents.**

**ⓘ NOTICE**

**Avoid parking the vehicle where the hot exhaust system could ignite inflammable materials, such as dry grass, low bushes, spilt fuel or flammable materials.**

# Electronic parking brake

## Using the electronic parking brake

**Fig. 149** Centre console, lower part: electronic parking brake button.

### Connecting

The electronic parking brake can be activated whenever the vehicle is at a standstill, even when the ignition is switched off. Activate it whenever you leave or park the vehicle.

- Pull and hold the button ››› Fig. 149.

The parking brake is on when the red indicator lamp on the instrument cluster and the button indicator lamp turns on.

- Release the button.

### Switching off

- Switch the ignition on.
- Press the button ››› Fig. 149. At the same time step hard on the brake pedal or, if the engine is running, press the accelerator pedal slightly.
- The indicator lamp on button and the red indicator lamp on the instrument cluster turn off.

### Automatic disconnection when moving off

The electronic parking brake automatically disconnects when moving off in any of the following situations, if the driver's door is closed and the driver's seatbelt is buckled:

- *Vehicles with automatic gearboxes:* a gear is engaged or changed to another and the accelerator is pressed gently.

*Vehicles with manual gearboxes:* the clutch pedal is pressed fully before starting off and the accelerator is pressed gently.

- To facilitate certain manoeuvres, there are exceptions that allow the parking brake to disconnect automatically without the driver's seatbelt being buckled.

The parking brake can be prevented from being automatically released by continuously pulling up the switch when moving off.

The electronic parking brake is not disconnected until the button is released. This can facilitate starting off when a heavy load is towed ››› page 304.

### Automatic application when leaving the vehicle improperly

In vehicles with automatic transmission, the electronic parking brake is activated automatically when exiting the vehicle incorrectly if:

- The gear selector is in any position (including **N**) or is in tiptronic mode.
- **AND:** the vehicle is stationary.
- **AND:** the driver door is open.

### Protection against unintentional movement

If you do not want the electronic parking brake to be applied automatically, e.g. in a car wash or if you want to push or tow the vehicle, the vehicle's ability to roll can be maintained .

**Deactivate:**

With the vehicle stationary, press down the brake pedal and select the **N** position on the gear selector.

- Confirm the message **Deactivate rolling protection** in the infotainment system.
- **OR:** open the vehicle settings in the infotainment system > **Vehicle** > **Brakes** > **Deactivate the "*Roll-away protection function*"**.

**Activate:**

- Press the Ⓟ button ››› Fig. 149. The electronic parking brake is activated.
- **OR:** switch off the ignition by pressing the ignition/start button.

### Automatic connection when the ignition is turned off

This function can be deactivated through the Infotainment system. In vehicles with manual transmission, the electronic parking brake is activated automatically when the ignition is turned off.

### Emergency brake function

Only use the emergency brake function in an emergency, if the vehicle cannot be stopped by pressing the brake pedal ››› ⚠!

- Pull and hold the Ⓟ button. The vehicle will brake sharply. At the same time, an acoustic warning can be heard.
- To stop the braking process, release the button or press the accelerator.

**⚠ WARNING**

**If the vehicle is left improperly, it could roll away. This could lead to accidents, serious injury and property damage.**

- **When parking the vehicle, always perform the appropriate operations in the indicated order ›››** page 222, *Parking*.
- **Before leaving the vehicle, make sure that the electronic parking brake is applied and that the control lamp Ⓟ next to the gear selector is red on the instrument cluster.**

**⚠ WARNING**

**The improper use of the electronic parking brake can cause accidents and serious injury.**

- **Never use the electronic parking brake to stop the vehicle, unless it is an emergency. The braking distance is considerably longer. Always use the brake pedal.**
- **Never accelerate from the engine when a gear range or a gear is engaged and the engine is running. The vehicle could start moving even when the electronic parking brake is engaged.**

**ⓘ NOTICE**

**To prevent the vehicle from unintentionally moving when parking it, first apply the electronic parking brake and then remove your foot from the brake pedal.**

## Troubleshooting

### Ⓟ There is a defect in the electronic parking brake

The control lamp switches on yellow.

Visit a SEAT dealer or other specialist workshop.

### The electronic parking brake does not release.

The 12-volt battery is discharged.

- Use the jump start ››› page 325.

### The electronic parking brake makes noises

- When the electronic parking brake is applied and released, noises may be heard.
- The system performs automatic and audible checks sporadically in the parked vehicle if some time elapses without the electronic parking brake being used.

## Auto Hold function

**Fig. 150** In the lower part of the centre console: Auto Hold function button.

The Auto Hold function holds the vehicle at a standstill and prevents it from moving without it being necessary to keep the brake pedal depressed.

AUTO HOLD When the Auto Hold function is switched on, the lamp on the instrument cluster lights up grey.

**AUTO HOLD** When the Auto Hold function is active, the control lamp on the instrument cluster lights up green.

Ⓐ The control lamp of the Ⓐ button ››› **Fig. 150** remains on when the Auto Hold function is connected.

### Requirements

- The driver's door is closed.
- The driver's seatbelt is buckled.
- The engine is running.

### Connecting and disconnecting

Press the Auto Hold button ››› ⚠. The control lamp on the button turns on when the Auto Hold function is switched on. The function is now available to be activated. The lamp on the button goes out when the Auto Hold function is switched off.

### Switching on and off automatically

If the Auto Hold function was switched on with the Auto Hold button before disengaging the ignition, the function will remain on after the ignition is re-engaged.

If the Auto Hold function was not switched on, it will remain off next time the ignition is switched on.

The Auto Hold function is automatically turned off if the following conditions are met:

1. If any of the requirements of the function are no longer met.
2. If the engine runs erratically or has any anomaly.
3. If the engine stalls.
4. *Automatic gearbox:* If any of the tyres have only minimal contact with the ground, e.g. For example, if the axles are crossed.

### Activation and deactivation

The Auto Hold function activates automatically if the following conditions are met (all points must be met **at the same time**):

1. The function is switched on
2. The vehicle is brought to a complete standstill with the brake pedal on a flat surface or on a slope.
3. The engine rotates “correctly”.

The Auto Hold function deactivates automatically if the following conditions are met:

1. The car moves off again:

   *Automatic gearbox:* by pressing the accelerator.

   *Manual gearbox:* by lifting your foot off the clutch pedal and pressing the accelerator (provided that a gear is engaged).
2. The function is switched off with the actions seen in the previous sections.

**⚠ WARNING**

**The smart technology of the Auto Hold cannot overcome the limits imposed by the laws of physics and it only operates within the limits of the system. Never allow the enhanced convenience of the Auto Hold function induce you to take any risk that compromises safety.**

- **Never leave the vehicle running with the Auto Hold function switched on.**
- **The Auto Hold function cannot always keep the vehicle stopped on an uphill, or brake it sufficiently on a downhill, e.g. on slippery or icy surfaces.**

**NOTICE**

**Always deactivate the Auto Hold function before entering an automatic car wash facility. Failure to do so could cause damage due to the automatic application of the parking brake.**

**Note**

**After connecting the 12-volt battery, drive for a short distance to reset the Auto Hold function to operate correctly.**

# General information on parking systems

## Automatic brake operation

The automatic braking feature of a parking system is used to reduce the danger of collision when an obstacle is detected during a parking manoeuvre.

### Braking functions

Depending on the equipment, the following systems are available:

- Park assist plus manoeuvre braking function ››› page 228.
- Rear cross traffic alert emergency brake function ››› page 240.
- Assisted parking assistant emergency brake function ››› page 232.

### Infotainment system lamps

White lamp: system activated, the system brakes when it detects an obstacle in the path.

Coloured lamp: system deactivated, the system does not brake when it detects an obstacle although the sensors still detect it.

### Requirements

- The vehicle is moving between approx. 3 km/h and 8 km/h when manoeuvring
- A parking system is switched on.

The brakes are not automatically operated when park assist is switched on automatically while moving forward.

### What happens in the event of automatic braking?

If there is an obstacle, the system brakes the vehicle to a standstill and keeps it stationary for approx. 2 seconds. **Press the brake!**

### Activate

- Automatic braking is activated when the driver switches a parking system on.

### Deactivating

- The automatic brake operation function deactivates when a park assist system is switched off.
- **OR:** to temporarily deactivate the manoeuvre braking function, press the ⚙ function button on the park assist screen and change the setting.

**⚠ WARNING**

**Never allow the automatic braking operations of park assist systems to lead you to take any risk that compromises safety. In certain situations, the automatic braking intervention may only work in a limited way or not work at all. Collisions with obstacles can injure people and damage the vehicle. The system is not a replacement for driver awareness.**

- **Pay attention and do not rely solely on park assist systems.**
- **Always be prepared to brake and control the steering yourself.**
- **Do not take any risks that compromise safety.**
- **Act in accordance with the warnings and driving recommendations of the parking systems.**

**Note**

- **Switch off the parking system if the automatic brakes operate excessively, e.g. when driving off-road.**
- **After the park assist's manoeuvre braking function has braked the vehicle, driving in the same direction for 5 metres is deactivated, and becomes active again after changing gear or changing the position of the gear selector.**

## Troubleshooting

### The parking system behaves differently than expected

There can be several causes:

- The system requirements are not met.
- The sensors or the camera are dirty or have ice on them ››› page 379.
- The camera lens is not clean and the camera image is not clear ››› page 379.
- Some noise sources, such as a jackhammer or a cobblestone surface can interfere with the ultrasound signal.
- The vehicle has some type of damage in the sensor or camera area, e.g. due to a parking impact.
- The sensor detection zone or field of view of the camera are blocked by an accessory, e.g. a bike rack.
- Changes have been made to the paintwork or structural modifications in the sensor or camera area, e.g. at the front of the vehicle or to the running gear.

Also take into account the messages displayed on the infotainment system screen.

### Sensor or camera without visibility, or the parking system has been switched off

If a sensor fails, that sensor zone is permanently switched off. The affected sensor zone may be displayed on the infotainment system with a **!** symbol and a greyed-out graphic segment. If necessary, the parking system switches off the affected zone.

If the park assist is not working properly, a continuous audio signal sounds for a few seconds when it is switched on. If applicable, a message to this effect is displayed on the instrument cluster screen

- Check if one of the causes indicated above has occurred.
- Once the source of the problem has been eliminated, the system may be reconnected.
- If the problem persists, consult a specialised workshop.

# Park Distance Control Plus (Park Pilot)

## Description

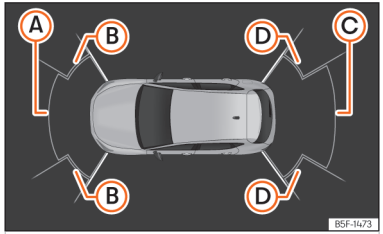


**Fig. 151** Parking aid view on the Infotainment system display.

**Parking aid plus** assists the driver by giving visual and audio warnings about obstacles detected in front of and behind the vehicle.

The bumpers are fitted with sensors. When an obstacle is detected, it is indicated by audible signals and in the Infotainment system ››› Fig. 151.

When moving close to an obstacle, it is possible to know if the obstacle is in front of the vehicle or behind it according to the sound frequency.

The approximate measurement range of the sensors is:

Ⓐ 1.20 m

Ⓑ 0.90 m

Ⓒ 1.60 m

Ⓓ 0.90 m

As you approach the obstacle, the frequency of the audible signals will increase. The signal will sound continuously at around 0.30 m: Stop the vehicle!

If the separation is maintained, the warning volume is reduced after about 2.5 seconds.

### Error messages

If a an error or fault message is displayed on the instrument cluster in Park Assist, there is a fault.

If the fault doesn't disappear before disconnecting the ignition, it will not be indicated next time the parking aid is connected.

If a rear sensor is faulty, only the obstacles in the front area are detected. If a front sensor is faulty, only the obstacles in the rear area are displayed. The symbol ⚠ is displayed.

We recommend taking the vehicle to a specialised workshop to have the fault repaired.

### Trailer mode

On vehicles with a factory-mounted trailer hook, when the trailer is connected, the rear sensors will not activate when reverse gear is engaged or button P% is pressed in the Infotainment system (🚗 > **Assistants**). Therefore, any objects behind or to the side of the vehicle will not be indicated on the screen and no audio signals will sound.

The screen will only display objects detected at the front, and the vehicle's trajectory will be hidden.

### Parking assist settings

The indications and audible signals are set in the Infotainment system: function button 🚗 > **Assistants** > **Parking** > **P** > **Settings**.

- **Automatic activation:** On/off
- **Front volume:** Volume in the front and rear area.
- **Rear volume:** Volume in the rear area.
- **Reduce volume:** When the parking aid is switched on, the volume of the audio source will be reduced, depending on the selected option.

**⚠ WARNING**

- **Always pay attention, by looking directly, to traffic and the area around the vehicle. Assistance systems are not a replacement for driver awareness. Responsibility always lies with the driver.**
- **The sensors have blind spots in which obstacles and people are not detected. Pay special attention to children and animals.**
- **Always keep visual control of the surroundings: use the mirrors for additional help.**

**NOTICE**

Park assist plus functions can be affected by various factors which may cause damage:

- Under certain circumstances, the system does not detect or display certain objects:
  - Chains, trailer draw bars, bars, fences, posts and thin trees.
  - Objects that are located above the sensors, such as protrusions in a wall.
  - Objects with certain surfaces or structures, such as wire mesh fences or powder snow.
- Certain surfaces of objects and garments do not reflect the ultrasound sensors' signals. The system cannot detect these objects or people wearing such clothes correctly.
- Sensor signals may be affected by external sound sources. This may prevent them from detecting people or objects.
- If the system warns you of the proximity of a low obstacle, please note that after being detected by the system, the obstacle in question may disappear from the measurement sensors as the vehicle moves closer, and the system will no longer warn of its presence. In certain circumstances, objects such as high kerbs that could damage the underside of the vehicle are not detected.
- If the parking distance warning system is ignored, the vehicle could suffer considerable damage.
- Damage to the radiator grille, bumper, wheel arch and vehicle underbody can modify the orientation of the sensors. This can affect the parking aid function.

  Have the function checked by a specialised workshop.
- A number plate or number plate holder with dimensions that exceed the space for the number plate, or a cured or deformed number plate can cause false detections or a loss of visibility for the sensors.

**Note**

- The display on the Infotainment system screen shows a slight time delay.
- In certain situations, the system can give a warning even though there is no obstacle in the detected area:
  - Rough or cobbled surfaces or surfaces with long grass.
  - External ultrasound sources, such as other vehicles equipped with ultrasound systems.
  - Heavy rain or snow, hail or dense exhaust gases.
  - If the number plate is not properly secured to the surface of the bumper.
  - Gradient changes.
- In order to guarantee good operation, keep the sensors clean, free of snow and ice, and do not cover them with stickers or other objects.
- If you use high-pressure or vapour equipment for cleaning, do not apply it directly, unless you do so very briefly, and always keep a distance of more than 10 cm away.
- Fitting certain accessories to the front of the vehicle, such as a plate holder with advertising, may interfere with the operation of the Park Assist.
- We recommend that you practice parking in an area without traffic.
- The volume and tone of the signals and indications can be changed.
- Please observe information on towing a trailer.

**Note**

In vehicles without an infotainment system, these parameters can be modified in a SEAT Official Service or in a specialised workshop.

## Operating Park Assist Plus

### Switching on and off manually

- Press button P in the infotainment system (> **Assistants** > **Parking assist** > **Parking aid**).

### Automatic activation

- Select reverse gear.
- **OR:** if you drive forward at a speed of less than 15 km/h (9 mph) and you encounter an obstacle, it is detected when it is optically approx. less than 95 cm. away, or acoustically approx. 50 cm. away. If the automatic connection is activated, a reduced display is shown.
- **OR:** if the vehicle moves back a certain distance (between approx. 10 and 20 cm approx depending on whether or not an obstacle is detected).

When the **Plus Parking Aid** connects automatically, a diagram of the vehicle and the segments will appear on screen. This function will be available unless the user has deactivated it.

It only operates every time the speed drops below 15 km/h (9 mph) for the first time.

Automatic activation of park assist can be switched on and off in the infotainment system:

- Switch the ignition on.
- In the infotainment system select **> Assistants > Parking > Parking aid**.
- Check the **Automatic activation** box.

If activated automatically, an audible sound warning will only be given when obstacles in front are at a distance of less than 50 cm. approx.

If it is switched off using the button in the infotainment system, one of the following actions must be taken for it to reactivate automatically:

- Switch off the ignition and switch it on again.
- **EITHER:** drive forward at over approx. 15 km/h (9 mph).
- **OR:** activate or deactivate the parking lock button **P**.
- **OR:** switch the automatic activation on and off in the Infotainment system.

### Automatic disconnection

- Drive forward at 15 km/h (9 mph) or faster.
- **OR:** press the parking lock button **P**.

### Temporary sound suppression

- Press the function button on the infotainment screen.
- **OR:** activate the electronic parking brake.

### Change from reduced view to full view

- Engage the reverse gear if your vehicle is equipped with a reversing camera.
- Press the car icon on the reduced view
- **OR:** if the vehicle moves back a certain distance (between approx. 10 and 20 cm approx depending on whether or not an obstacle is detected).

### Switch to the reverse assist image (Rear View Camera "RVC")

- Select reverse gear.
- **OR:** press the **RVC** button on the Infotainment System screen.[1]

A short confirmation signal will be heard and the button symbol will light up when the system is switched on.

**NOTICE**

**Park assist plus only connects automatically when driving very slowly. If driving style is not adapted to the circumstances, an accident and serious injury or damage may be caused.**

[1] The RVC button will only be displayed when reverse gear is engaged.

### Visual indication segments

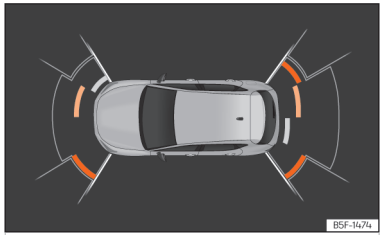


**Fig. 152** Parking aid view on the Infotainment system display.

The optical indication of the segments works as follows:

- **Grey segments**: the obstacle is more than approx. 30 cm away from the path or in the direction opposite to travel. They are also displayed when the electronic parking brake is activated.
- **Yellow segments**: the obstacles lie on the vehicle's path and are at a distance of less than approx. 30 cm away.
- **Red segments**: obstacles are less than approx. 30 cm away.

A guiding track will indicate the anticipated forward or backward trajectory, depending on the gear that is engaged.

If an obstacle is located in the vehicle's way, the corresponding audible warning will sound.

When the penultimate segment is displayed, the vehicle has reached the collision zone. In the collision zone, obstacles are shown in red (including those outside the trajectory). Stop the vehicle! ››› ⚠ in *Description* on page 228

## Rear parking aid

### Description

The rear park assist is an optical and audible assistant that warns of obstacles located behind the vehicle.

There are sensors integrated in the rear bumper. When they detect an obstacle, you are alerted by audible and visible warnings on the Infotainment system.

Make particularly sure that the sensors are not covered by adhesives, residues, dirt and the like, as this could affect the system's operation. Cleaning instructions ››› page 379.

The approximate measurement range of the rear sensors is:

- Side area: 0.60 m
- Central area: 1.60 m

As you approach the obstacle, the frequency of the audible signals will increase. The signal will sound continuously at around 0.30 m: Stop the vehicle! ››› ⚠ on page 228.

If the separation is maintained, the warning volume is reduced after about 2.5 seconds.

#### Parking Aid connection

- Select reverse gear.

#### Parking Aid disconnection

- Drive forward at 15 km/h (9 mph) or faster.
- **EITHER:** use the selector lever to select **N** or **D**, or press the parking lock button **P**.

#### Parking assist settings

The indications and audible signals are set in the Infotainment system: function button 🚗 > **Assistants** > **Parking** > **P** > **Settings**.

- **Rear volume:** Volume in the rear area.
- **Reduce volume:** When the parking aid is switched on, the volume of the audio source will be reduced, depending on the selected option.

#### Error messages

If a an error or fault message appears on the instrument panel in Parking assist, there is a fault.

If the fault doesn't disappear before disconnecting the ignition, it will not be indicated next time the parking aid is connected.

We recommend taking the vehicle to a specialised workshop to have the fault repaired.

### Towing device

In vehicles equipped with a towing bracket device from the factory, when the trailer is connected, the parking aid will not be activated when reverse gear is engaged.

**⚠ WARNING**

**Observe the safety warnings ››› ⚠ in *Description* on page 228.**

# Parking aid system (Park Assist)

## Introduction

The assisted parking system is an additional function of ParkPilot ››› page 228 and helps the driver find a suitable parking space from among the following types:

- park driving in reverse in suitable perpendicular and parallel spaces,
- park driving forwards in suitable perpendicular spaces,
- exit a parking space driving forwards from a parallel space,
- park in a suitable space driving forward on angle partially entering into the selected parking space. The system will centre the vehicle in the parking space,
- finish reverse parking into a space in which you have attempted to park manually by partially entering with the rear of the vehicle.

In vehicles with a Park Assist system and factory infotainment system, the front, rear and side areas are represented, and the position of obstacles is shown relative to the vehicle.

The assisted parking system is subject to certain limitations inherent to the system and its use requires special attention by the driver ››› ⚠.

**⚠ WARNING**

**The technology used in the park assist system involves a series of limitations inherent in the actual system and in the use of ultrasonic sensors. The use of Park Assist should never tempt you to take any risk that may compromise safety. The system is not a replacement for driver awareness.**

- **Any accidental movement of the vehicle could result in serious injury.**
- **Adapt your speed and driving style at all times to suit visibility, weather, road and traffic conditions.**
- **Certain surfaces of objects and garments do not reflect the ultrasound sensors' signals. The system cannot detect, at least correctly, these objects or people wearing such clothes.**
- **Ultrasound sensor signals may be affected by external sound sources. In certain circumstances this may prevent them from detecting people or objects.**
- **The ultrasound sensors may have blind spots in which obstacles and people are not detected.**
- **Monitor the area around the vehicle at all times, since the ultrasound sensors do not detect small children, animals or certain objects in all situations.**

**⚠ WARNING**

**Quick turns of the steering wheel when parking or exiting a parking space with Park Assist can cause serious injury.**

- **Do not hold the steering wheel during manoeuvres to park or exit a parking space until the system requests it. Doing so disables the system during the manoeuvre, resulting in the parking being cancelled.**

**ⓘ NOTICE**

- **In certain circumstances, the ultrasonic sensors do not detect objects such as trailer tongues, bars, fences, posts or thin trees, or an open (or opening) rear lid, which could damage the vehicle.**
- **Retrofitting of certain accessories to the vehicle, such as a bicycle rack, may interfere with the operation of the Park Assist system and cause damage.**

- The Park Assist system uses as a reference parked vehicles, curbs and other objects. Make sure that the tyres and wheels are not damaged while parking. If necessary, opportunely interrupt the parking manoeuvre to avoid damaging the vehicle.
- The ultrasound sensors on the bumper may be damaged or shifted in the event of a collision, for example, when entering or exiting a parking space.
- If you use high-pressure or vapour equipment to clean the ultrasound sensors, do not apply it directly unless very briefly and always from a distance of more than 10 cm.
- A registration plate or plate holder on the front with larger than the space for the registration plate, or a registration plate that is curved or warped can cause:
  - False detections.
  - The sensors to lose visibility.
  - Cancellation of the parking manoeuvre or defective parking.
- If one of the ultrasonic sensors is damaged, the area corresponding to that group of sensors (front or rear) is deactivated and cannot be activated until the fault is corrected. However, you can still use the sensors of the other bumper as per usual. If there is a fault in the system, consult a specialist workshop. SEAT recommends visiting a SEAT dealership for this.

**Note**

- In order to guarantee good system operation, keep the ultrasound sensors of the bumper clean, free of snow or ice, and do not cover them with adhesives or other objects.
- Certain sources of noise, such as rough asphalt or paving stones and the noise of other vehicles can induce the Park Assist system or ParkPilot to give erroneous warnings. The presence of metal objects can also affect the manoeuvre.
- In order to become familiar with the system and its functions, SEAT recommends that you practice operating the Park Assist system in an area where there is not too much traffic or in a car park.

## Description of the parking assist system

The components of the Park Assist system are the ultrasonic sensors located in the front and rear bumpers, the button to switch the system on and off and the messages on the instrument panel display.

### Prerequisites for parking

- The traction control (TCS) must be switched on ››› page 188.
- Speed when passing next to the parking space: do not exceed approx. **50 km/h (31 mph)**.
- Keep a distance between **0.5 and 2.0 metres** when driving past the parking space.
- Space length (parallel parking): **vehicle length + 0.8 metres**.
- Space width (parking bay): **vehicle width + 0.8 meters**.
- Do not exceed approximately **7 km/h (4 mph)** when parking. The vehicle will perform an automatic braking only once if this speed is exceeded. If you exceed the speed more than once, the Park Assist system switches off.

### Requirements for leaving the parking space (only for parallel parking)

- The traction control (TCS) must be switched on ››› page 188.
- Space length: **length of the vehicle + 0.5 metres**.
- Do not exceed approximately **7 km/h (4 mph)** when exiting the parking space.

### Prematurely stopping or automatically interrupting the manoeuvres for parking or exiting a parking space

Park Assist interrupts the manoeuvres for parking or exiting a parking space in any of the following cases:

- Press button in the infotainment system, **> Assistants > Parking > Park assist system**.
- When exceeding a speed of approximately 7 km/h (4 mph) more than once.

- The driver takes control of the steering wheel.
- The parking manoeuvre does not end within 6 minutes after activation of the automatic steering.
- There is a fault in the system (the system is temporarily unavailable).
- The TCS is disconnected.
- TCS or ESC intervene with regulation.
- The driver door is opened.

To restart the manoeuvre it is necessary that none of these things occur and that the P button on the infotainment system is pressed again.

### Automatic braking intervention to avoid exceeding the speed limit

To avoid exceeding the allowed speed of approx. 7 km/h (4 mph) when entering or leaving a parking space, the brakes may activate automatically. After automatically activating the brakes, the manoeuvres to enter or exit a parking space may continue.

The brakes are only automatically activated once for each attempt to enter or exit a parking space. If the speed of approximately 7 km/h (4 mph) is exceeded again, the corresponding operation is halted.

### Special characteristics

The Park Assist system is subject to certain limitations inherent to the system. For example, it is therefore not possible to use it to enter or exit a parking space on sharp bends or on very steep hills.

While entering or exiting a parking space, a brief signal sounds to prompt the driver to change between forward and reverse gears (depending on the case). In successive manoeuvres, the assistant tells the driver to change gears, at the latest, when the continuous audible signal is given (object present at a distance of ≤30 cm) by Park Pilot.

When the Park Assist system turns the steering wheel with the vehicle stationary, the instrument panel also displays the symbol . Keep the brake pedal depressed while the symbol remains on the dash panel display to turn the wheels with the vehicle stopped. This way, the system will require fewer manoeuvres to complete the parking action.

### Trailer mode

The Park Assist system cannot be switched on if the factory-fitted towing bracket is electrically connected to a trailer.

### After changing a wheel

If, after changing a wheel, the vehicle stops entering and exiting parking spaces correctly, the circumference of the new wheel may be different and the system may need to adapt to it. The adaptation is automatic and takes place during driving. Making turns slowly and in both directions (20 km/h [12 mph]) for a few minutes may contribute to this adaptation process .

## Selecting a parking type

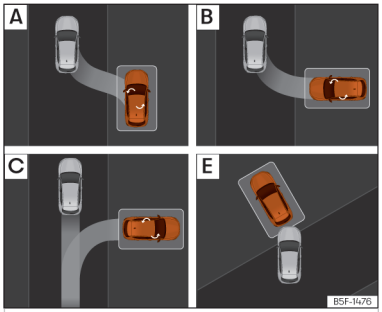


**Fig. 153** On the infotainment system display: parking modes indication.

Park assist has the following 6 parking types:

- A Reverse parallel parking.
- B Reverse angle parking.
- C Forward angle parking.
- D Reverse parallel parking without driving past first: “Help me”.
- E Forward parking in a parking bay without driving past first.

F Reverse parking in a parking bay without driving past first.

### Selecting a parking type after passing in front of the space

After activating the Park Assist system and after detecting a parking space, the display on the instrument panel proposes a parking type. The Park Assist system selects the parking type automatically. The selected type is shown on the instrument panel display ››› Fig. 153 and on the Infotainment System screen.

- The necessary conditions to park with Park Assist have to be met ››› page 233.
- Press the P button in the infotainment system, > **Assistants**.
- When the system is switched on, the symbol on the infotainment system display is highlighted P. Additionally, the selected parking type is shown on the instrument panel display. You can change the type of parking on the infotainment system display.
- If there are more spaces available, another space can be selected by clicking on it on the infotainment system display.
- Follow the instructions displayed on the instrument panel while paying attention to traffic and drive the vehicle past the parking space.

### Reverse parallel parking without driving past first (type D)

With this type of parking D, press button P so that the system completes the parking that has already been started. The system will only switch on if sufficient progress has been made with the manoeuvre (the side sensor must be able to detect the reference vehicle). If it is impossible to successfully complete the manoeuvre that has been started, the system itself will drive out of the parking space before starting parking in a similar way to type A.

### Parking in a parking bay without driving past first

Special case of forward or reverse parking into a parking bay E without driving past first:

- The necessary conditions to park with Park Assist have to be met ››› page 233.
- Move forward towards the parking space while paying attention to traffic and stop the vehicle with the front part partially inside the parking space.
- Press the P button once in the infotainment system, > **Assistants**.
- When the system is switched on, the symbol on the infotainment system display is highlighted P. Additionally, the selected parking mode is shown on the instrument panel display without reduced display.
- Let go of the steering wheel.

## Parking with the parking assist system

The prerequisites have to be met to park with the parking assist system ››› page 233 and the parking mode has to be selected ››› page 234.

### Parking

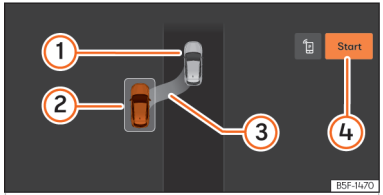


**Fig. 154** On the infotainment system display: parallel parking position.

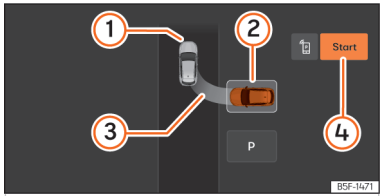


**Fig. 155** On the infotainment system display: parking bay parking position.

(1) Your vehicle

② Parking space detected

③ Indication showing the proposed parking manoeuvre

④ Start parking manoeuvre

- Look at the instrument cluster screen to see if the space has been detected as "appropriate" and if the correct position for parking has been reached ››› Fig. 154, ››› Fig. 155. The space is considered "appropriate" if the instrument cluster display shows the parking indication ③.
- Stop the vehicle and, after a brief pause, engage reverse gear, or press the button P in the infotainment system, > **Assistants** > **Parking** > **Park assist system**.
- Let go of the steering wheel.
- Please note the following message:

**Intervention in active steering. Watch your surroundings!**

While keeping watch around you, carefully start accelerating up to no more than 7 km/h (4 mph). During the parking manoeuvre, the system **only** takes charge of the steering. **You, as the driver, have to accelerate, engage the clutch if necessary, change gears and brake.**

- Reverse until the continuous ParkPilot signal sounds; **OR:** reverse until the indication to move forward appears on the instrument panel display; **OR:** reverse until the **Park Assist finished** message appears on the instrument cluster display. The progress bar ⑤ indicates the distance to cover.
- Press the brake pedal until the parking assist system completes the steering wheel turns; **OR:** until the symbol goes out on the instrument panel screen.
- Select first gear.
- Move forward until the continuous ParkPilot signal sounds; **OR:** move forward until the reverse indication appears on the instrument panel display. The Park Assist system steers the vehicle forward and back until it centres it in the space.
- For best results, wait at the end of each manoeuvre until the Park Assist system has finished turning the steering wheel. The parking manoeuvre ends when a corresponding message is displayed on the instrument panel and, in some cases, an acoustic signal sounds.

### Progress bars

The progress bar on the instrument cluster display shows the relative distance to be covered as a symbol. The greater the distance, the fuller the progress bar. When driving forward, the content of the progress bar decreases upwards, and when reversing, it decreases downwards.

**Note**

**If the manoeuvre is terminated prematurely during parking, the result may not be the best.**

## Leaving a parking space with the parking assist system (only for parallel parking)

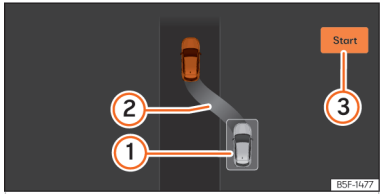


**Fig. 156** On the instrument panel display: driving off from perpendicular parking.

① Your vehicle in reverse gear

② Message giving the proposed manoeuvre to exit the parking space

③ Progress bar to indicate the distance left to cover

### Leaving a parking space (parallel parking)

The necessary conditions to exit a parking space with Park Assist have to be met ››› page 233.

- Press the P in the infotainment system: > **Assistants**. When the system is switched on, the symbol P on the infotainment system display is highlighted.

- Turn on the corresponding turn signal towards the road you will enter when exiting the parking space.
- Engage the reverse gear, or press the button P in the infotainment system.
- Let go of the steering wheel. Please note the following message:

**Automatic steering enabled Pay attention to your surroundings.**

While keeping watch around you, carefully start accelerating up to no more than 7 km/h (4 mph). When exiting the parking space, the system **only** takes charge of the steering. **You, as the driver, have to accelerate, engage the clutch if necessary, change gears and brake.**

- Reverse until the continuous ParkPilot signal sounds; **OR:** reverse until the instrument panel display shows the forward indication. The progress bar (3) ››› Fig. 156 indicates the distance to cover.
- Press the brake pedal until the parking assist system completes the steering wheel turns; **OR:** press the brake pedal until the symbol goes out on the instrument panel screen.
- Move forward until the continuous ParkPilot signal sounds; **OR:** move forward until the reverse indication appears on the instrument panel display. The Park Assist system steers the vehicle forward and back until it can exit the space.
- The vehicle can exit the space when a corresponding message is displayed on the instrument panel and, in some cases, an acoustic signal sounds. Take charge of the steering with the turning angle set by the Park Assist system.
- Paying attention to the traffic, exit the parking space.

# Reverse Assist (Rear View Camera)

## Introduction

A camera on the rear bumper aids the driver when reverse parking or manoeuvring ››› page 194.

The camera image is viewed together with orientation lines projected on the Infotainment system screen. Part of the bumper can be seen at the bottom, which can be used by the driver as a reference point.

### Reverse assist modes

Depending on the equipment, the following modes are available:

- **Angle parking:** reverse parking perpendicular to the road.
- **Trailer towing assist function:** assistance with hitching a trailer.
- **Cross traffic:** monitors cross traffic.

### Requirements

To park with reverse assist, the following requirements must be met:

- Do not exceed a speed of approx. **15 km/h (9 mph)**.
- Parking space width: **vehicle width + 0.15 m** (without counting the mirrors).

To display a real image, the following requirements must be met:

- The luggage compartment rear door is closed.
- The surroundings are on a flat surface.
- The vehicle should not be loaded very heavily at the rear.

**⚠ WARNING**

- **The reverse assist does not make it possible to precisely calculate the distance from obstacles and nor can it overcome the system's own limits, hence its negligent use may cause serious accidents and injuries if used without due care. The driver should be aware of his/her surroundings at all times to ensure safe driving.**
- **The camera lens expands and distorts the field of view and displays the objects on the screen in a way that is different from reality. Distance perception is also distorted.**

- **Due to the screen resolution or light conditions, some items may be blurry or not displayed at all. Take care with thin posts, fences, railings or trees that might not be seen on the screen and could damage the vehicle.**
- **The reverse assist has blind spots where it cannot see people or objects. Monitor the vehicle's surrounding area at all times.**
- **The system is not a replacement for driver awareness. Supervise the parking manoeuvre and the vehicle's surrounding area at all times.**
- **Do not be distracted from the traffic by looking at the screen.**
- **The images are only two-dimensional. Protruding objects or holes in the road, for example, are more difficult to detect or may not be seen at all.**
- **Vehicle load modifies the representation of the guide lines. The width represented by the lines decreases with vehicle load. Pay special attention to the surroundings when the inside of the vehicle of the luggage compartment are loaded.**
- **In the following situations, objects or other vehicles appear to be further away or closer than they actually are. Pay special attention:**
  - **If moving from a flat surface to a slope and vice-versa.**
  - **If the vehicle is heavily loaded.**
  - **When the vehicle approaches objects that are not on the ground surface or that protrude from it. These objects may be outside the camera angle when reversing.**

**Note**

- **It is important to take great care and pay special attention if the driver is not familiar with the system.**
- **The reverse assist reference lines disappear when the rear lid is open.**

## Connecting and disconnecting

### Connect the reverse assist

- With the ignition switched on, select reverse gear.
- **OR:** in the infotainment system select > **Driver assist > Park assist**.

### Disconnect the reverse assist

- Drive forward at a speed of at least 15 km/h (9 mph).

## Shown on the display

The system's functions and representations may vary depending on the equipment.

The assistant's image view changes when the factory-fitted tow hitch is electronically connected to a trailer ››› page 304.

### Reverse assist functions and symbols

When the reverse assist is connected, you can make adjustments using the function buttons. Some adjustments are equipment-dependent.

Exit the current display

Switch to angle parking ››› page 239

Switch to the trailer hitching assistance function

Switch to cross traffic

Adjust the display: brightness, contrast and colour.

Switch to park assist ››› page 228

Display/hide the parking aid view

### Guide lines

*Green horizontal lines:* extension of the vehicle.

*Yellow lines:* vehicle path depending on the steering angle.

### Assistance function for hitching a trailer

On vehicles with a factory-fitted towing device, this function can be used to move the vehicle close to a tow bar.

Auxiliary lines are shown in the infotainment system.

*Green lines:* distance to the trailer hitch. The distance between the lines is approx. 0.30 m

*Yellow line:* pre-calculated direction of the trailer hitch depending on how the steering wheel is turned.

### Cross traffic

This view helps to monitor traffic behind the vehicle and can be used, for example, when exiting garages or narrow exits.

## Angle parking

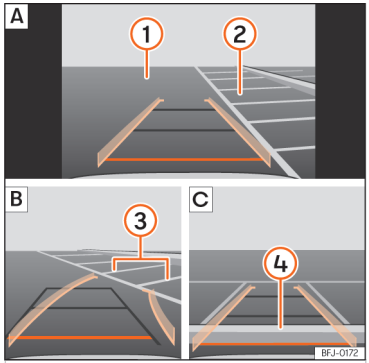


**Fig. 157** Display on the infotainment system screen: parking with the reverse assistant.

Key to the ››› Fig. 157:

- A Find a parking space
- B Go to the selected parking space
- C Centre the vehicle inside the parking space
- 1 Road
- 2 Parking space
- 3 Side boundary of the parking space
- 4 Rear boundary of the parking space

### Parking

- In the infotainment system select > **Driver assist** > **Park assist** before passing in front of the selected parking space.
- With reverse assist connected and in operation, press the function button .
- Stop the vehicle in front of the parking space ››› Fig. 157 2 A.
- Reverse while turning the steering wheel so that the yellow lines enter the parking space. The green and yellow lines must match the side boundary lines 3 B.
- Stop the vehicle when the red line has reached the rear boundary 4 C.

## Troubleshooting

### The system behaves differently than expected

There can be several causes:

- The camera is dirty ››› page 379. In addition to dirt and snow, camera visibility can be reduced by detergent residue or any type of coating.
- The system requirements must be met ››› page 237.
- The camera is covered with water.
- The factory-fitted towing bracket must not be electrically connected to a trailer ››› page 304.

- The vehicle has some type of damage in the camera area, e.g. due to a parking impact.
- The field of view of the camera is blocked by an accessory, e.g. a bicycle carrier system.
- Changes have been made to the paint in the camera area, or structural modifications have been made to a component such as the running gear.

### Camera with no visibility, fault message, the system disconnects

- Clean the camera or remove possible adhesives or accessories from it ››› page 379.
- Check for visible damage.

### Possible solution

- Temporarily disconnect the system.
- Check if one of the causes indicated above has occurred.
- Once the source of the problem has been eliminated, the system may be reconnected.
- If the system still behaves unpredictably, have it checked by a specialised workshop.

# Rear Cross Traffic Alert)

## How it works

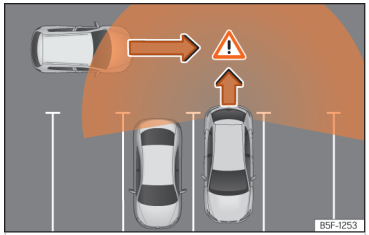


**Fig. 158** Diagram of the parking assistant: detected area around the vehicle that is driving off.

Park Assist uses the radar sensors on the rear bumper ››› page 192 to monitor traffic crossing behind the vehicle as it reverses out of a parking bay, or as it is being manoeuvred, for example in very low visibility conditions.

When the system detects a relevant vehicle on the road that is approaching the rear of the vehicle ››› Fig. 158, an acoustic alarm may sound if the relevance so requires it.

In addition to the acoustic alarm, the driver is also informed by means of a visual signal on infotainment system display. This signal is displayed in the form of a red strip at the back of the image of the vehicle on the infotainment system screen. This strip displays the side of the vehicle towards which traffic is approaching in transverse direction[1].

### Automatic braking to reduce damages

››› page 226.

### Connecting and disconnecting

The rear cross traffic alert can be activated and deactivated by accessing the **Assistants** menu of the infotainment system. It can also be found in the Park Assist **Settings** menu.

Additionally it can be switched on and off by accessing the **Assistants** menu on the instrument cluster.

When the vehicle is restarted, the last adjustment in the system will remain active.

### Trailer mode

The rear cross traffic alert will be automatically deactivated and it will be impossible to activate them if the tow hitch is electrically connected to a trailer or other similar object. As soon as the driver starts driving, a message appears on the instrument cluster screen indicating that the assistant is deactivated.

[1] It is only displayed if the vehicle is equipped with a parking system.

Once the trailer is uncoupled from the vehicle, the assistant will return to its initial state prior to the moment when the trailer was electrically connected.

If the tow hitch is not factory fitted, then the rear cross traffic alert will have to be deactivated manually when driving with a trailer.

**⚠ WARNING**

**The smart technology incorporated into the rear cross traffic alert cannot overcome the limits imposed by the laws of physics; it only works within the limits of the system. The parking assistant function should not tempt you into taking any risks. The system is not a replacement for driver awareness.**

- **The system should never be used in limited visibility conditions or complicated traffic, e.g., in high-traffic areas or when crossing multiple lanes.**
- **Be sure to always be aware of the vehicle's surroundings, since the system often fails to detect things such as bicycles or pedestrians.**
- **The rear cross traffic alert itself will not brake the vehicle to a complete stop.**

# Exit Warning

## How it works

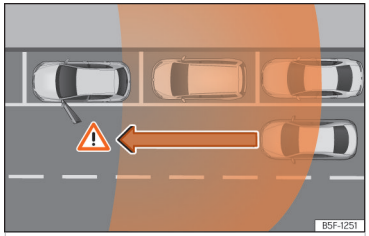


**Fig. 159** Graphic example.

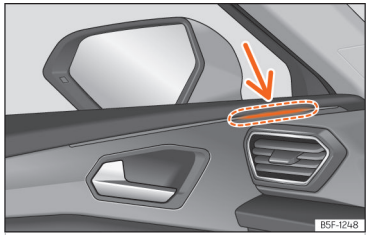


**Fig. 160** Door: warning lamp

The door opening warning (Exit Warning) warns occupants of a possible collision when opening the door when the vehicle is stationary.

The system monitors, within the limits of the system itself, the rear and side environment of the vehicle using the rear sensors ››› page 192. It detects moving objects that approach from behind, such as cars ››› Fig. 159.

If a critical situation is detected when the door is opened, an alert is given by an acoustic signal on the door speaker of the corresponding side ››› Fig. 160. The side assist control lamp on the side of the corresponding door will also flash. If the door has already been opened and another road user has been detected in a critical situation, the control lamp of the lane departure warning on the corresponding side will light up permanently.

The brightness of the door opening assistant display can be adjusted by accessing the **Side Assist** menu.

When you want to access the vehicle for the first time, with the doors closed and locked, the function will be available 3 minutes after the first opening of any of the doors. The function will continue to be available as long as the vehicle has the ignition connected and is not moving.

After switching off the ignition, the function will remain available for approximately 3 minutes. After that time, the control lamps will light up indicating the deactivation of the function.

### Connecting and disconnecting

The door opening assistant can be switched on and off by accessing the **Assistants** menu in the infotainment system. It can also be found in the Park Assist **Settings** menu.

When the vehicle is restarted, the last adjustment in the system will remain active.

### Trailer mode

The door opening assistant will be automatically deactivated and it will be impossible to activate it if the tow hitch is electrically connected to a trailer or other similar object.

Once the trailer is uncoupled from the vehicle, the assistant will return to its initial state prior to the moment when the trailer was electrically connected.

If the tow hitch is not factory fitted, then the door opening assistant will have to be deactivated manually when driving with a trailer.

**⚠ WARNING**

- **Always pay close attention to the traffic and the surroundings of the vehicle. The door opening warning (Exit Warning) cannot replace the necessary attention to be paid by the vehicle's occupants. Responsibility for opening the doors and exiting the vehicle always lies with its occupants.**
- **The door opening warning (Exit Warning) operates continuously as long as the vehicle ignition is on. Otherwise, the system is deactivated and the lamps light up briefly.**
- **It is possible that the traffic situation is not interpreted correctly and you cannot be aware of all the objects that are approaching, such as pedestrians. Always visually monitor the traffic and the area surrounding the vehicle.**

**⚠ WARNING**

**The door opening warning (Exit Warning) is subject to system limits and cannot warn of an imminent collision in all cases:**

- **If your vehicle is too deep in the parking space and the adjacent vehicles hide it.**
- **In certain circumstances, objects or people who approach, e.g. on a bicycle or scooter, are not detected.**
- **The system does not react to stopped objects.**

# Practical equipment

## Storage compartment

### Introduction

Use the storage compartments only for small or light items.

**⚠ WARNING**

**Objects inside the vehicle that are not secured could be thrown across the cabin in the event of sudden braking or manoeuvring. This may cause severe injuries as well as loss of control of the vehicle.**

- **Do not carry animals or sharp, hard or heavy items in open storage compartments of the vehicle, on the dashboard or on the cover behind the rear seats, or inside pieces of clothing or bags inside the vehicle.**
- **Keep the storage compartments closed at all times while the vehicle is in motion.**
- **Do not hang garments weighing more than 2.5 kg (approx. 5.5 lb) on the vehicle's coat hooks. Never leave heavy, hard or sharp objects in the pockets of these pieces of clothing.**

**⚠ WARNING**

**If you leave lighters inside the vehicle, they might be damaged or lit inadvertently. This could lead to severe burns and damage to the vehicle.**

- **Before moving a seat, make sure there are no lighters in the moving part area of the vehicle.**
- **Before closing a storage compartment, make sure there are no lighters in the closing area.**
- **Never leave a lighter inside a storage compartment or any other surface of the vehicle as it could ignite due to the high temperatures on such surfaces, particularly during the summer.**

**ⓘ NOTICE**

- **Do not store heat- or cold-sensitive objects, food or medicines in the cabin. Heat and cold could damage them or render them useless.**
- **Objects made from transparent materials left inside the vehicle, such as glasses, magnifying glasses or transparent suction pads stuck to the windows can concentrate sunlight and damage the vehicle.**

### Glove compartment

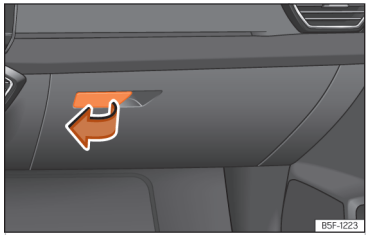


**Fig. 161** On the passenger side: glove compartment.

#### Opening and closing the glove compartment

*Opening:* Pull the handle ››› **Fig. 161** and open the glove compartment.

*Closing:* Press the glove compartment upwards.

**⚠ WARNING**

**If the glove compartment is left open, the risk of causing severe injuries in the event of an accident, sudden braking or manoeuvring increases.**

- **Always keep the glove compartment closed while the vehicle is in motion.**

## Drink holder

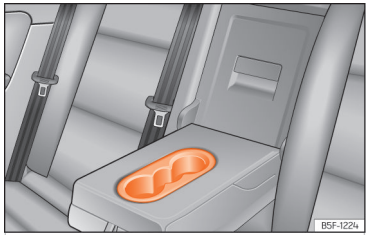


**Fig. 162** In the rear central armrest: drink holder.

The storage compartments of the driver and passenger doors contain a bottle holder.

### Front drink holders

There are two cup holders in the centre console .

### Drinks holder in the rear central armrest

*Use:* Lower the central armrest.

When the drink holder is no longer in use, lift the armrest again.

**⚠ WARNING**

**Incorrect use of the bottle holders may cause injuries.**

- **Never put hot drinks in the drink holders. In the event of sudden braking or an accident while driving, hot beverages in the bottle holders might spill and cause burns.**
- **Ensure that no bottles or other objects are dropped in the driver footwell while driving, as they could get under the pedals and obstruct their working.**
- **Never place glasses, food or other heavy objects drink holders. These heavy objects may be thrown across the cabin in the event of an accident and cause serious injuries.**

**⚠ WARNING**

**Closed bottles may explode inside the vehicle due to cold or heat.**

- **Never leave closed bottles in the vehicle if the temperature inside is very high or very low.**

**ⓘ NOTICE**

**Do not leave open cans in the drink holders when the vehicle is in motion. If the drink is spilled (e.g. due to sudden braking) it may damage the vehicle and its electrical system.**

**ⓘ Note**

**The inside elements of the drink holders can be extracted for cleaning.**

## Storage compartment under front seats

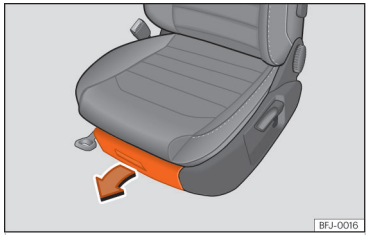


**Fig. 163** Storage compartment under the right front passenger seat.

*Opening:* Press the tab on the drawer handle and take the drawer out.

*Closing:* Push the drawer under the seat until it engages.

**⚠ WARNING**

**If the drawer is left open, it could prevent use of the pedals. This may cause serious accidents and injuries.**

- **Always keep the drawer closed while the vehicle is in motion. Otherwise, the drawer and any objects in it could fall into the driver's footwell and obstruct the pedals.**

**ⓘ NOTICE**

**The drawer can contain 1.5 kg at most.**

### Other object holders

You will find more object holders, compartments and supports in other parts of the vehicle:

- In the centre console.
- In the upper part of the glove compartment. The load should not exceed 1.2 kg.
- Other storage compartments are found in the rear seat, to the left and the right of the seats.
- In the backrests of the front seats, storage pockets.

There are hangers on the struts of the doors and the rear.

**⚠ WARNING**

**Hanging clothes may decrease the driver's visibility, which may cause serious accidents and injuries.**

- **Always hang clothes from hangers in such a way that the driver's visibility is not affected.**
- **Only hang light pieces of clothing from the hangers of the vehicle. Never leave heavy, hard or sharp objects in the pockets of these pieces of clothing.**
- **Do not use clothes hangers to hang up the clothing, as this could interfere with the function of the head-protection airbags.**

**ⓘ NOTICE**

**Do not place overly large objects in the pockets on the front seat backrests (e.g. bottles) or objects with sharp edges. Risk of damage to the pockets and the upholstery.**

## Power sockets

### Introduction

Electrical equipment can be plugged in to the vehicle's sockets.

The devices must be in a perfect state of repair. Do not use defective devices.

The 12 volt power socket will only work with the ignition on.

**⚠ WARNING**

**Improper use of the sockets or electrical devices could lead to a fire and cause serious injuries.**

- **Please ensure that children are never left unsupervised inside the vehicle. The sockets and the devices connected to them can be used when the ignition is switched on.**
- **If electrical devices overheat, switch them off immediately and disconnect them from the mains.**

**ⓘ NOTICE**

- **To avoid damaging the electrical system, never connect electrical devices that supply power, such as solar panels or battery chargers, to 12-volt sockets to charge the 12-volt battery.**
- **Only use electrical devices that comply with the applicable electromagnetic compatibility directives.**
- **To prevent voltage fluctuations from causing damage, unplug any connected electrical devices before switching the ignition on and off.**
- **Never connect electrical devices that consume more than the specified power to a 12 volt socket. Exceeding the maximum power consumption could damage the vehicle's electrical system.**
- **Observe the instruction manuals of electrical devices!**

**Note**

- **The use of electrical appliances with the engine switched off will cause the 12-volt battery to discharge.**
- **Uninsulated devices can interfere with the radio, infotainment system and the vehicle's electronic system.**

## Vehicle power sockets

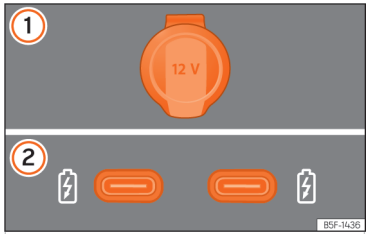


**Fig. 164** Vehicle 12-volt socket.

››› Fig. 164

① 12-volt sockets inside the front armrest.

② 12-volt USB sockets at the rear of the console, between the front seats.

Make sure that the maximum power of the sockets is not exceeded. The power consumption of the devices is shown on the type plate of the devices.

The continuous output of all of the vehicle's 12-volt sockets is 120 watts in total.

When connecting two or more electrical devices at the same time, make sure that their total consumption never exceeds 190 watts.

### USB power sockets

Depending on the equipment and the country, the vehicle may also have USB connections **exclusively for charging or as a power socket** ››› Fig. 164 ②.

These USB ports are located at the rear of the console, between the front seats. These connectors can work at a maximum power of up to 10.5 W per port.

**NOTICE**

**If the 12-volt socket is used at full power for longer than the specified time, the fuse may blow.**

- **Never use the 12-volt socket at full power for more than 10 minutes.**
- **In the case of full power, use a single 12-volt socket.**

### 230-volt power socket

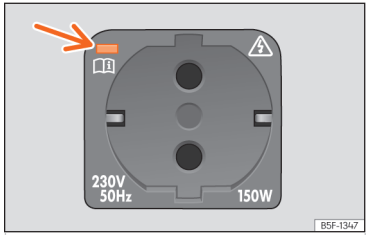


**Fig. 165** In the luggage compartment: 230-volt power socket.

With the engine running, the power socket activates automatically as soon as a connector is plugged in.

Maximum power consumption is 150 watts (300 watts - maximum 2 minutes).

*Connect an electrical device:* Open the cover and insert the plug into the power socket as far as possible to unlock the built-in child lock. The socket only supplies power once the child lock is unlocked.

**LED on the power socket ››› Fig. 165 (arrow)**

*Steady green light:*

- The childproof lock is unlocked. The socket is ready to operate.

*Flashing green light:*

- The ignition is switched off, but there is enough power available to continue supplying the socket with current for a maximum of 10 minutes. If the connector is unplugged before this time elapses, the socket is disconnected and cannot be used again until the ignition is switched on again.

If insufficient power is available in the 12V battery, the socket cannot be used while the engine is off.

*Flashing red light:*

- There is an anomaly, e.g. disconnection due to a current surge or overheating.

### Disconnection due to overheating

When the temperature exceeds a certain value, the 230-volt socket inverter is automatically disconnected. The disconnection prevents overheating when the power consumption of the connected devices is excessive or the ambient temperature is very high. The 230-volt power supply can be used once again after a cooling time. First unplug the connector of the connected device and then plug it back in again. This prevents the electrical device from being switched on again if this is not wanted.

**⚠ WARNING**

**The electrical system is under high voltage!**

- **Do not spill liquids onto the socket.**
- **Do not plug adapters or extension cords into the 230-volt power socket. Otherwise, the integrated child lock will be unlocked and the power socket will operate.**
- **Do not insert conductive objects (a knitting needle, for example) into the 230-volt power socket.**

**NOTICE**

**230-volt power socket:**

- **Do not leave devices or connectors that are too heavy (e.g. a transformer) hanging directly from the power socket.**
- **Do not connect neon lamps.**
- **Only connect devices to the socket if the device and socket voltage match.**
- **The built-in overload disconnect function prevents any electrical devices that require a high start-up current from turning on. In this case, unplug the electrical device's power supply and re-try the connection after about 10 seconds.**

**Note**

**Some appliances may not work properly when connected to the 230-volt sockets due to a lack of power (watts).**

# Data transmissions

## Over-the-air update

### Introduction

**Over-the-air updates allow you to always keep your vehicle up to date, for example for optimising functions and for malware protection.**[1]

**How can you find out when an over-the-air update is available?**

The available updates are displayed in the infotainment system.

If several updates are available for the vehicle at the same time, one over-the-air update must first be successfully completed before the next one can be performed.

**Note**

**It is in your own interest to complete updates as soon as possible. If the controller repeatedly rejects the over-the-air update, it will be necessary to visit a qualified workshop. SEAT recommends using a SEAT dealer.**

**WARNING**

**In very rare cases, a control unit may not function properly after an over-the-air update. Malfunctioning of a control unit and the vehicle can lead to serious accidents and fatal injuries.**

- **Reduce speed in a controlled manner if the vehicle operates or reacts differently than usual while driving.**
- **Contact a specialised workshop. SEAT recommends using a SEAT dealer.**

**WARNING**

**If the instrument cluster does not work after an over-the-air update, you will not be able to see instrument cluster displays, warning lights, symbols or text messages. Driving with an instrument cluster that does not work can lead to serious accidents and fatal injuries.**

- **Do not use the vehicle. Please contact the SEAT customer care service.**

**NOTICE**

**If special modifications have been made to vehicles outside the scope of SEAT's responsibility (for example, for emergency service vehicles or taxis), there is a risk that special functions (e.g. the taximeter) may no longer work properly after an over-the-air update.**

- **Consult with your SEAT dealer before performing an over-the-air update.**

**Note**

- **Measures to improve performance or efficiency (e.g. engine tuning) that have not been incorporated by SEAT may be deleted after an over-the-air update.**
- **Depending on the equipment, release notes may appear once before or after an over-the-air update. These release notes describe changes to the vehicle status. For release notes and more information on over-the-air updates, please visit the website:**

**www.seat.com**

- **The over-the-air update will not update apps installed in the vehicle.**

[1] Not available on all markets.

## Prerequisites for an over-the-air update

The following prerequisites must be met in order to be able to download an update via satellite and to install the update software.

- The over-the-air update function is available in your country.
- You have subscribed to a valid SEAT CONNECT contract.
- You have assigned the vehicle to your active user account.
- A primary user is available. You may need to register as a primary user.
- The vehicle is located in an area with sufficient mobile reception.
- Your current privacy configuration allows you to transmit and receive data and information ››› page 255.
- The vehicle's 12-volt battery is properly charged.

## Download and install an over-the-air update

### Download costs

Over-the-air updates are downloaded via the factory control unit with eSIM card, and are free of charge. SEAT covers the cost of the connection.

### Download timing

Downloading takes place automatically without warning and may also happen while driving. When the download is complete, a message will appear to inform you that an over-the-air update is available.

**Note**

**The duration of the download process depends on the quality of the network, the file size and the type of update. The download process may be interrupted. It will resume when the ignition is switched on again.**

### Software installation pre-requisites

- The vehicle is parked safely in accordance with legal requirements and local regulations ››› page 222.
- Previous over-the-air updates have been installed.

### Installing the software from an over-the-air update

Choose a time for the over-the-air update when neither you nor others are unlikely to be driving the vehicle.

**⚠ WARNING**

**The control units will be switched off and will not work while the software installation is in progress. Driving while the control units are switched off or faulty can lead to accidents and fatal injuries.**

- **Install the software in a way that does not interfere with other road users.**
- **Do not use the vehicle during a software installation procedure.**

1. Deactivate the vehicle's drive system and apply the electronic parking brake.
2. Close the bonnet, boot, all windows and all doors.
3. Confirm the software installation in the Infotainment system.
4. Ensure that all occupants of the vehicle get out and that there are no animals left inside.
5. Collect all vehicle keys and get out.
6. Lock the vehicle.

### Functional restrictions during software installation

The control units, central computer, functions and displays will not be available during the software installation. Do not use the vehicle or the Infotainment system during installation.

- The system prevents the activation of the vehicle's drive system.
- The high-voltage battery is not charged.
- The AUX-IN diagnostic socket is switched off.
- The anti-theft alarm is switched off.
- The "Safe" security system is switched off.

### After installing the software

After the software installation and before activating the vehicle's drive system, read the message on the Infotainment system or in the Instrument cluster about the complete installation of the software. It can take up to 1 minute for the vehicle to display the status of the over-the-air update.

- The vehicle's drive system can be activated once the software has been successfully installed.
- If the software installation is not successful: ››› page 250, *Troubleshooting*.

## Troubleshooting

### The installation of an over-the-air update has failed.

- If an update is not installed correctly, an error message will appear in the infotainment system or in the instrument cluster. Observe the corresponding messages and warnings.

**Note**

**The control units will stop working or will not work properly in the event of a critical installation error. The functions and screens will not be available until the error is amended. Do not use the vehicle. In this case, please contact SEAT customer care.**

### Can I interrupt the installation of an over-the-air update?

No, it is not possible.

### What happens if the installation of an over-the-air update is interrupted?

If the installation is interrupted, for example due to damage to the vehicle's electrical system, the control units may not be updated and may not work due to incomplete installation of the update.

# SEAT CONNECT

## Introduction

Access SEAT CONNECT Gen3 digital services by connecting your vehicle to the Internet. This allows you to extend the scope of various services. A description of the available services can be found on the Internet at:

https://www.seat.com/owners/connectivity/seat-connect-service

To use SEAT CONNECT Gen3, you have to activate the services by concluding a CONNECT contract with SEAT, S.A., which may be subject to usage time limitation depending on the country.

Both the SEAT CONNECT service portfolios offered by SEAT and individual services can be modified, cancelled, deactivated, reactivated, renamed and extended, even without prior notification.

The execution and availability of the SEAT CONNECT services and service portfolios may vary depending on the country, as well as the vehicle, its equipment and connectivity.

SEAT CONNECT's voice recognition or search technology does not recognise or offer results for all words.

There are SEAT CONNECT services for which registration is mandatory and others for which it is not mandatory.

### Description of services

Before running SEAT CONNECT services, read and take into account the description of the corresponding services. Descriptions are updated on a non-periodical basis.

- Always use the most up-to-date version of the corresponding service description.

**⚠ WARNING**

**In areas with insufficient mobile phone and GPS coverage, emergency calls and phone calls will not be connected and data cannot be transmitted.**

- **Change location if possible.**

**NOTICE**

**The vehicle may be damaged by factors outside the control of SEAT, S.A. These damaged can include:**

- **Misuse of mobile terminals**
- **Data loss during transmission.**
- **Unsuitable or defective third party applications.**
- **Malicious software on data storage devices, computers, tablets or mobile phones.**

## Services portfolio

The initial service assignment shown here represents the maximum possible volume. The maximum possible volume is only available on a few vehicle models. During the useful life of the vehicle, you can change the assignment shown here.

After activating the service management in the infotainment system, you can check whether services are available to the vehicle and what services they are ››› page 254.

In some countries and in the event of a contract renewal, the services offered may be combined differently than indicated here. They may also vary depending on the year of production of the vehicle. The services mentioned correspond to **SEAT CONNECT Gen3** (third generation).

### SEAT CONNECT services and functions that do not require activation

The following services also work without the activation of SEAT CONNECT:

- Public emergency call service.
- Legal.
- Privacy mode (deactivation of services).

### SEAT CONNECT Gen3 services

If you vehicle is fitted with Media System +, your online services package is SEAT CONNECT. The following services are included:

- Public emergency call.
- Breakdown call.
- Customer care.
- Service appointment planning.
- Online system update.
- Customisation.
- Activating SEAT CONNECT.
- Privacy mode and deactivation of services.
- Delete user / Restore factory settings.
- Remote auxiliary heating.
- Remote unlock.
- Horn and turn signals.
- Vehicle status incl. doors and lights.
- Driving data.
- Vehicle health report.
- Anti-theft alarm warning.
- Zone notification.
- Speed notification.
- Online map update.
- Online infotainment system update.
- Dictation.
- Natural voice control for destinations and addresses.
- Internet radio.
- Online route import.
- Online destination import.
- Remote auxiliary ventilation.
- Parking position.
- Legal.
- Data package.
- Online Store.
- Online navigation: Dynamic Points of Interest

If your vehicle is fitted with Navi System +, your online services package is SEAT CONNECT PLUS. The included services are all the SEAT CONNECT services in the previous section plus:

- Search for public car parks.
- Search for petrol stations.

- Update of online maps.
- Online route calculation.
- Online traffic information.

### SEAT CONNECT services for hybrid vehicles

Available only in electric and hybrid vehicles.

The included services are all the SEAT CONNECT services in the previous section plus:

- Remote air conditioning.
- Electrical power manager.
- Departure times.
- Search for charging stations.

### SEAT CONNECT individual options

- In-Car Applications. These applications can be purchased and installed directly in the infotainment system through the In-Car store.
- Data package. Pay per use data rates for the use of online functions, for example, 2 GB per month.

**Note**

- **The public emergency call service is available regardless of whether the infotainment system is logged in.**
- **Customisation and purchase of In-Car applications require logging into infotainment system, but the activation of the vehicle in a SEAT CONNECT account is not necessary.**

## Activation of SEAT CONNECT and S-PIN

The following steps are necessary to activate SEAT CONNECT Gen3 (including registration):

1. Switch on the ignition and the infotainment system.
2. Change the privacy mode to "Tracking" ››› page 255.
3. Select: ⊞ > 👤 **Users** and press the button ⊕ to add a new user.
4. Follow the on-screen instructions to download the My SEAT App.
5. Follow the instructions to create your SEAT ID.
6. Accept the Privacy Policy.
7. Enter the vehicle identification number (VIN) to add the vehicle to your user account.
8. Check your personal details.
9. Select your SEAT CONNECT online services pack.
10. Open the app and scan the new QR code generated by the infotainment system.

### S-PIN

The S-PIN is a sequence of several digits, which can be selected when completed the SEAT CONNECT registration.

When creating the S-PIN, avoid easy-to-guess number sequences and known dates of birth. You can change the S-PIN in the SEAT CONNECT user account in "Account settings".

The S-PIN is necessary, for example, to protect your user profile or to run a SEAT CONNECT service relevant to the security of your vehicle. You must manage this S-PIN with absolute confidentiality.

If you reveal the S-PIN to third parties, for security reasons you must change it immediately.

## Ownership and identity accreditation

### Become primary user

To become a primary user and thus prove ownership of the vehicle, you need both of the vehicle's physical keys. Ownership accreditation takes place in the vehicle during registration or, if you already have a SEAT CONNECT user account, you must log in through the infotainment system and then go to **User management**.

- Switch on the ignition and the infotainment system.
- In the infotainment system, register in SEAT CONNECT.

**Or:** open the menu 👤 **Users > Settings > Become primary user** and follow the instructions.

- Press the unlock button on the first vehicle key.
- Press the unlock button on the second vehicle key.

Once the infotainment system has processed the orders by radiofrequency, the accreditation of the ownership will have been completed.

| How is ownership accredited? | |
|---|---|
| Infotainment | 2-Key method |
| My SEAT App | No, it is not possible |

### Identity accreditation (SEAT Ident)

Identity accreditation must be done before you can use SEAT CONNECT services that are relevant to security, such as the **Remote Opening** service. Proof of identity is provided at a SEAT dealership.

## Legal provisions

During the use of SEAT CONNECT services, information is transferred and processed online through the vehicle. Such data can also provide (at least indirectly) information about the driver in question, for example, driving behaviour and location. As a contracting party in the SEAT CONNECT contract with SEAT, S.A., you must ensure that when your vehicle is used by other drivers (for example, family or friends), data protection and personal rights are respected.

Therefore, you must inform drivers in advance that the vehicle transfers and receives data online, and that you can access such data.

Not taking into account this obligation to inform, can infringe certain rights of the occupants.

Users can manage data sending and transfers through the privacy mode at any time.

### Follow-up services: ask all occupants

The follow-up services need geographical and vehicle data to determine whether the vehicle is being used within defined speed ranges, where it has been parked or if it is being used in an established geographical area. This information is displayed in the My SEAT App.

Therefore, before moving off, ask all the vehicle occupants if they agree with the activated services. If they do not, deactivate the service in question (if possible) or do not allow the occupants to use the vehicle.

### GPS tracking: marking

If the vehicle has a factory-fitted control unit that transmits its current geographical position and speed, the vehicle usually has this GPS marking, e.g. on the ceiling console. The absence of the marking on the vehicle does not guarantee that the control unit does not transmit the vehicle's current geographical position and speed.

### Personal information

SEAT protects your personal data and only uses them, as long as the law allows it or you have given your consent on the occasion of a use. You will find detailed information on data processing in relation to SEAT CONNECT services in the Privacy Policy, which you can access in its corresponding current version on the SEAT website.

### Permanent transfer of the vehicle

If the vehicle has been purchased used or someone else has left the vehicle to you for permanent use, SEAT CONNECT may already be activated and the previous primary user may still be able to access the data registered via SEAT CONNECT and control certain functions of your vehicle.

You can automatically remove the previous primary user by registering yourself as the primary user of the vehicle. Alternatively, you can restore the infotainment system to factory settings (⚙ > **Restore factory settings**) or set the vehicle to "Incognito" mode (maximum privacy) and therefore limit both your vehicle's communication with the SEAT, S.A. data service and the processing of personal and vehicle data.

## Deactivating SEAT CONNECT services

The following functions are available to activate and deactivate the SEAT CONNECT services:

- Allow or prevent data transmissions through the infotainment system ››› page 254, *Privacy mode*.
- Whenever possible: individual deactivation or activation ››› page 254.

You can run the relevant services again after cancelling their deactivation.

> **Note**
>
> **The services required by law and their data transmission cannot be disconnected or deactivated, for example, the emergency call system (eCall).**

## Faults

Even if the prerequisites for the use of SEAT CONNECT services are met, there may be factors beyond the control of SEAT, S.A. that interfere with the execution of such services or prevent them. These may be specifically:

- Maintenance, repair, deactivation, software update and technical expansion of telecommunication equipment, satellites, servers and data banks.
- Change of the mobile telephony standard for the transmission of mobile data by the telecommunications service provider, for example, from UMTS to EDGE or GPRS.
- Disconnection of an existing mobile phone standard by the telecommunications service provider.
- Interference, disturbance or interruption in the reception of the mobile phone and GPS signal due to aspects such as high-speed driving, solar storms, meteorological influences, topography, blocking equipment and the intensive use of mobile phones in the radio cells in question.
- When in areas with zero or insufficient mobile telephony or GPS signal. Also, for example, in tunnels, confined areas between very tall buildings, garages, underpasses, mountains and valleys.
- External information from third party supplies available with limitations, incomplete or incorrect, e.g. representations of maps.
- Countries and regions where SEAT CONNECT is not offered.

## Service management

Open the settings in **Users** and go to **Privacy settings and services**.

- Check which SEAT CONNECT services are currently available in the vehicle.
- The number of SEAT CONNECT services that are enabled or disabled.
- Activate or deactivate SEAT CONNECT services.

> **Note**
>
> **If you deactivate all SEAT CONNECT services, the vehicle can still transmit emergency call (eCall) data.**

# Privacy mode

## Introduction

With the “Privacy” function, data transmissions between the vehicle and the Internet can be allowed or blocked.

The desired mode can be set in vehicle settings in the infotainment system.

Data transmission by external devices and their communication with the vehicle **cannot** be blocked using the “Privacy” function.

The services required by law and their data transmission cannot be disconnected or deactivated, for example, the emergency call system (eCall).

**Note**

**Please note that all vehicle users can configure individual settings in the "Privacy" function. These settings may not match those desired by the vehicle owner.**

## Privacy and services settings

SEAT CONNECT services can be activated and deactivated individually. To do this, just check the box corresponding to the service you want to activate or deactivate. Use the privacy mode option if you want to deactivate all of the services at the same time.

### Privacy mode

Allows you to deactivate or activate the services depending on the selected privacy level.

| | |
|---|---|
| Tracking | **Share location.** Primary users and co-users can view position data on the My SEAT App. |
| Location | **Use location.** Position, vehicle, and user data are used for services. |
| Personal | **No location.** Only the vehicle data and user data are used for services. |
| Incognito | **Maximum privacy.** Your services are disabled. Only services required for legal reasons use data. |

Setting options are not available in all markets or in all vehicle models.

## Connectivity status indication

The following symbols indicate the respective data transmission status in the infotainment system.

Symbol white: full connectivity, all services available

Symbol grey: limited connectivity, some services may not be available.

***no icon*** No connectivity, no services available.

# WLAN access point

## Introduction

The infotainment system can be used to share a WLAN[1] connection with up to 8 devices ››› page 255, *Configuration for sharing a connection over WLAN*.

The infotainment system can also use the WLAN hotspot of an external device to provide Internet to the devices connected to the hotspot (WLAN client) ››› page 256.

**Note**

- **There may be a charge for the required data transmission. Due to the high volume of data exchanged, SEAT recommends the use of a flat rate tariff for data transmission. Mobile phone operators can provide information on this.**
- **Exchanging data packages and purchasing them from third parties may generate additional costs, depending on your mobile phone rate, particularly if you are abroad (for example, roaming rates).**

## Configuration for sharing a connection over WLAN

**Establishing the connection with the wireless network (WLAN)**

- Press the **HOME** > ⚙ button.
- Activate the wireless network. To do this, tap the function button **Network > Wi-Fi > Infotainment system as hotspot**.
- Activate the wireless network (WLAN) on the device that is to be connected. If necessary, refer to the manufacturer's instruction manual.

[1] Not available on all markets.

- Activate the mobile device assignment in the infotainment system. To do this, press the function button **Use as hotspot** and check the checkbox.
- Enter and confirm the network key displayed on the device.

The following adjustments can also be made in the **Infotainment system as hotspot** menu:

- **Network key:** Network key generated automatically. Press the function button to change the network key manually. The network key must have at least 12 characters and a maximum of 62.
- **SSID:** Name of the WLAN network (maximum 32 characters).

The WLAN (wireless) connection is established. To complete the connection, it may be necessary to enter other data into the device.

Depending on the version, it is only possible to connect in Hotspot mode to get SEAT CONNECT, and a maximum of 5 devices can be connected.

Repeat this process to connect other devices.

There is also the option of scanning the QR code to connect the device directly to the infotainment system's Wi-Fi network without having to enter the password: select **Settings > Network > Quick connection to infotainment system**.

## Configure Internet access

The infotainment system can use the WLAN hotspot of an external device to establish an Internet connection.

### Establishing the connection with the wireless network (WLAN)

- Activate and share a wireless hotspot with Internet on the external device. Refer to the manufacturer's instruction manual.
- Press the **HOME >** ⚙ button.
- Tap the menu **Settings > Network > Wi-Fi > Wi-Fi** and tick the verification box.
- Press the **Search for Wi-Fi** button and select the device you want from the list.
- If necessary, enter the network key of the device in the infotainment system and confirm with **OK**.

**Manual settings:**

- To manually enter the network settings of an external (WLAN) device.

The WLAN (wireless) connection is established. To complete the connection, it may be necessary to enter other data into the device.

**Note**

**Due to the large number of devices on the market, it is not possible to guarantee fault-free operation of all functions.**

# Full Link

## Introduction

With Full Link it is possible to view and use the contents and functions that are shown on the mobile phone device on the infotainment screen.

To do this, the mobile phone device must be connected with the infotainment system through a USB interface.

Some technologies can also be used by Wireless Full Link through the Bluetooth® interface and a Wi-Fi connection.

### The following technologies may be available:

- Apple CarPlay™
- Apple CarPlay™ Wireless
- Android Auto™
- Android Auto™ Wireless

The availability of the technologies that Full Link includes depends on the country and the mobile phone device used.

You will find more information on the SEAT website (www.seat.com).

### Access the Full Link main menu

Browsing the Full Link main menu depends on the infotainment system used.

- Press **Home > Full Link**

### Configure Wireless Full Link

In order to use Wireless Full Link, you must first pair the mobile phone device with the infotainment system. To do this, proceed as follows:

Connect a mobile phone device for the first time.

- Unlock the mobile phone device.
- Enable Wi-Fi reception and Bluetooth® on the mobile phone device.
- Connect the mobile phone device to the infotainment system using a USB cable or via Bluetooth®.
- Access the **Full Link** main menu, if it is not displayed automatically.
- Select the mobile device and the technology you want.
- Confirm authorisation inquiries on the mobile phone device to grant the necessary authorisations to the infotainment system.
- Disconnect the USB connection and connect with the infotainment system again via Wi-Fi or Bluetooth®. Wireless Full Link is now configured.

The pairing has concluded. The connected mobile phone device can also use Wireless Full Link from now on without the USB connection.

If pop-up menus are rejected during the connection process, Wireless Full Link will not be available. In this case, SEAT recommends deleting the devices in both the telephone settings and the infotainment system, and restarting the connection process.

### Bluetooth pairing®

You can connect your device to the infotainment system via Bluetooth®.

If the device is compatible, the system will inform you that you can connect your device to Apple CarPlay™ or Android Auto™ as appropriate.

**⚠ WARNING**

**The use of applications while driving can distract your attention from the traffic. Any distraction affecting the driver in any way can lead to an accident and cause injuries.**

- **Always drive with attention to traffic and in a responsible manner.**

**⚠ WARNING**

**Any applications that are not suitable or execute incorrectly may cause damage to the vehicle, accidents and serious injuries.**

- **Protect the mobile phone device and its applications from inappropriate use.**
- **Never carry out modifications to the applications.**
- **Follow instructions in the instruction manual for the mobile phone device.**

**NOTICE**

**SEAT cannot be held liable for any damage caused to the vehicle as a result of the use of applications that are of poor quality or are defective, the inadequate programming of the applications, the insufficient coverage of the network, the loss of data during transmission or the improper use of mobile phone devices.**

**Note**

- **Wireless Full Link may not be compatible with all technologies.**
- **When crossing the border into countries with permitted radio frequencies different to those in your own country, running the Full Link Wireless function may be restricted or even unavailable due to legal regulations. This can also be indicated by a message in the infotainment system. Running Full Link via cable is not affected by this restriction and can continue to be used.**

## Applications (apps)

With SEAT Full Link, the display of the contents of SEAT applications and other providers installed on mobile phone devices can be transferred to the infotainment screen.

In the case of third-party applications, there may be compatibility problems.

Applications, their use and the necessary mobile phone connection may be pay per use.

The offer of applications can be varied and designed for a vehicle or a specific country. The content and volume of applications, as well as the companies that offer them, may vary. Some applications also depend on the availability of third-party services.

It cannot be guaranteed that all the applications offered will work on all mobile phone devices or with all their operating systems.

The applications offered by SEAT can be modified, cancelled, deactivated, reactivated and extended without prior notification.

To avoid distracting the driver while driving, only certified applications can be used.

## Full Link symbols and settings

- To show more information.
- To select Apple CarPlay technology.
- To select Android Auto™ technology.

## Apple CarPlay™

In order to use Apple CarPlay™, the following requirements must be met:

- The iPhone™ **must** be compatible with Apple CarPlay™.
- Voice control (Siri ™) **must** be active on the iPhone™.
- Apple CarPlay™ **must** be active without limitations in the iPhone™ settings.
- If this is not possible via Apple CarPlay™ Wireless, the iPhone™ **must** be connected to the infotainment system via a USB connection. Only USB connections with data transmission are suitable for the use of Apple CarPlay™.
- The USB cable used **must** be an original Apple™ cable.

*Apple CarPlay™ Wireless*: Bluetooth® and Wi-Fi must also be activated on the iPhone™.

### Establish connection

When you first connect an iPhone™, follow the instructions on the infotainment system screen and on the iPhone ™.

The requirements must be met to use Apple CarPlay™.

Launch Apple CarPlay™:

- Press **HOME > Full Link** to access the Full Link main menu.
- Press Apple CarPlay™ to establish a connection with the iPhone™.

### Disconnecting

- In Apple CarPlay™ mode, press the **SEAT** icon to access the Full Link main menu.
- Press ✕ to interrupt the active connection.

The representation of function buttons on the screen may vary.

### Special characteristics

During an active Apple CarPlay™ connection, the following characteristics are applicable:

- Bluetooth® connections between the iPhone™ and the infotainment system are **not** possible.
- If there is an active Bluetooth® connection, it is automatically interrupted.
- It is **not** possible to use the built-in navigation system and the Apple CarPlay™ navigation system at the same time. The last route started interrupts the one that was previously active.
- Depending on the infotainment system you use, on the instrument panel screen you can view data from the Telephone mode.
- Only navigation instructions from compatible apps are displayed on the instrument cluster's screen.
- With the multifunction steering wheel you can accept or reject incoming calls, as well as end an ongoing telephone conversation.

### Voice control

- Press on the multifunction steering wheel briefly to start voice control using the infotainment system.
- Press this button for a long time to start voice control (Siri™) of the connected iPhone™.

**Note**

- **The availability of technologies depends on the country and may vary.**
- **You will find information about technical requirements, compatible iPhones, certified applications and their availability on the SEAT (www.seat.com) and Apple CarPlay™ websites, or at SEAT dealerships.**

## Android Auto™

### Requirements for Android Auto™

In order to use Android Auto™, the following requirements must be met:

- The mobile phone device, called smartphone from here on, **must** be compatible with Android Auto™.
- The smartphone **must** have an Android Auto™ application installed.
- If this is not possible via Android Auto™ Wireless, the smartphone must be connected to the infotainment system via a USB connection with data transmission.
- The USB cable used **must** be an original cable provided by the smartphone manufacturer.

*Android Auto™ Wireless*: Bluetooth® and Wi-Fi also have to be active on the smartphone.

### Establish connection

When you first connect a smartphone, follow the instructions on the infotainment system screen and on the smartphone.

The requirements must be met to use Android Auto™.

Launch Android Auto™:

- Press **HOME > Full Link** to access the Full Link main menu.
- Press Android Auto™ to establish a connection with the smartphone.

### Disconnecting

- In Android Auto™ mode, press the **SEAT** icon to access the Full Link main menu.
- Press ✕ to interrupt the active connection.

### Special characteristics

During an active Android Auto™ connection, the following characteristics are applicable:

- An active Android Auto™ device can be connected at the same time via Bluetooth® (HFP profile) with the infotainment system.
- It is possible to use the phone's functions through Android Auto™. If the Android Auto™ device is connected at the same time via Bluetooth® with the infotainment system, the telephone function of the infotainment can also be used.
- It is **not** possible to use the built-in navigation system and the Android Auto™ navigation system at the same time. The last route started interrupts the one that was previously active.
- Telephone and Media data can be displayed on the instrument cluster screen.
- Only navigation instructions from compatible apps are displayed on the instrument cluster's screen.
- With the multifunction steering wheel you can accept or reject incoming calls, as well as end an ongoing telephone conversation.

### Voice control

- Press on the multifunction steering wheel briefly to start voice control using the infotainment system.
- Press and hold this button to start voice control (Google Assistant) on the connected smartphone.

**Note**

- **The availability of technologies depends on the country and may vary.**
- **You will find information about technical requirements, compatible mobile phone devices, certified applications and their availability on the SEAT (www.seat.com) and Android Auto™ websites, or at SEAT dealerships.**

# Wired and wireless connections

## USB connection

**Fig. 166** Centre console: USB input.

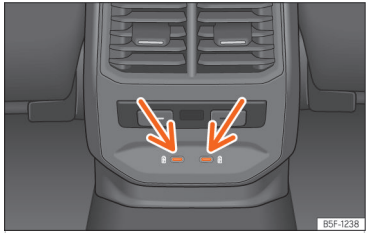


**Fig. 167** Rear centre console: USB connectors with power socket function.

The USB port can be found in the storage compartment area of the front centre console ››› Fig. 166.

Depending on the equipment and the country, the vehicle may also have USB connections **exclusively for charging or as a power socket**.

These USB ports are located at the rear of the console, between the front seats ››› Fig. 167.

**Note**

**Before switching the ignition on or off, unplug the appliances from the USB ports to protect them from any damage caused by fluctuations in voltage.**

# Infotainment system

## First steps

### Introduction

Infotainment functions and settings depend on the country and equipment.

#### Before first use

Before the first use, bear in mind the following points, to take full advantage of the functions and settings offered:

- Observe the basic safety warnings ››› page 261.
- Restore infotainment to factory settings.
- Search and store favourite radio stations on the preset buttons so you can tune them quickly.
- Use only suitable audio sources and data media.
- Pair a mobile phone to use phone management through the Infotainment system.
- Use current maps for navigation.
- Register in SEAT CONNECT to run the corresponding services.

#### Current documentation attached

For using infotainment and its components, take into account, together with this instruction manual, the following documentation:

- Supplements to your vehicle's on-board documentation.
- Instruction Manual of the mobile phone device or audio sources.
- Operating instructions for data media and external players.
- Manuals for the Infotainment accessories subsequently installed or used additionally.
- Description of services when running SEAT CONNECT services.

### Safety instructions

Some function areas may include links to third-party websites. SEAT, S.A. is not the owner of the third-party websites accessible through the links, and assumes no liability for their content.

Some function areas may include outside information from third-party providers. SEAT, S.A. is not responsible for such information being correct, up-to-date or complete, or for ensuring it does not infringe the rights of third parties.

Radio stations and owners of data media and audio sources are responsible for the information they transmit.

Bear in mind that parking lots, tunnels, tall buildings, mountains or due to the operation of other electrical devices, such as chargers, can also interfere with the reception of the radio signal.

Foils or adhesives with metallic layers on the antenna and on the window panes can interfere with radio reception.

**⚠ WARNING**

**The infotainment central computer is interconnected with the control units mounted on the vehicle. Therefore, there is a serious danger of accident and injury if the central computer is repaired or disassembled and reassembled incorrectly.**

- **Never replace the central computer with another used, recycled or from another vehicle at the end of its useful life.**
- **The repair or disassembly and reassembly of the central computer should only be carried out at specialised workshops. SEAT recommends visiting a SEAT dealership for this.**

**⚠ WARNING**

Any distraction affecting the driver in any way can lead to an accident and cause injuries. Reading the information on the screen and managing the infotainment system can distract your attention from traffic and cause an accident.

- Always drive as carefully and responsibly as possible.

**⚠ WARNING**

Connecting, inserting or removing an audio source or data media while driving can distract your attention from the traffic and cause an accident.

**⚠ WARNING**

Select volume settings that allow you to easily hear signals from outside the vehicle at all times (e.g. emergency services sirens).

- Hearing may be impaired if using too high a volume setting, even if only for short periods of time.

**⚠ WARNING**

The following circumstances may result in an emergency call, phone call or data transmission not being made or being interrupted:

- When in areas with zero or insufficient mobile telephony or GPS signal. Also in tunnels, confined areas between very tall buildings, garages, underpasses, mountains and valleys.
- When in areas with sufficient mobile phone or GPS signal, the telephony network of the telecommunications provider has interference or is not available.
- When the vehicle components necessary to make emergency calls, phone calls and to transmit data are damaged, do not work or do not have sufficient electrical power.
- When the battery of the mobile phone device is discharged or its charge level is insufficient.

**⚠ WARNING**

In some countries and some telephone networks it is only possible to make an emergency call, if a mobile telephone device is connected to the telephone interface of the vehicle, inside it there is an "unlocked" SIM card with sufficient balance to make calls and with sufficient network signal coverage.

**⚠ WARNING**

Read and observe the operating instructions provided by the manufacturer in question when using mobile phone devices, data media, external devices, external audio and multimedia sources.

**⚠ WARNING**

When changing or connecting an audio or multimedia source may cause sudden changes in the volume.

- Lower the volume before connecting or switching to audio or multimedia sources.

**⚠ WARNING**

If mobile phone and radiocommunication devices are used without connection to an external antenna, the maximum electromagnetic radiation levels inside the vehicle might be surpassed, thus posing a risk to the health of the driver and passengers. This is also the case if the external antenna has not been correctly installed.

- Keep a distance of at least 20 centimetres between the antennas of the mobile phone device and an active medical device, such as a pacemaker, as mobile phones might alter the functioning of these devices.
- Do not carry a mobile phone switched on very close or directly on top of an active medical device, for instance in a chest pocket.

- Immediately turn off the mobile phone if you suspect it is causing interferences in an active medical device or any other medical device.

**⚠ WARNING**

Mobile phones, external devices and accessories that are loose or not properly secured could move around the passenger compartment during a sudden driving or braking manoeuvre or an accident and cause damage or injury.

- Set mobile phone devices, external devices and their accessories outside the airbag deployment areas or store them securely.
- Position the connection cables of the audio sources and external devices so that they do not interfere with the driver.

**⚠ WARNING**

The centre armrest may obstruct the driver's arm movements, which could cause an accident and severe injuries.

- Keep the storage compartments of the centre armrest closed at all times while the vehicle is in motion.

**⚠ WARNING**

If the light conditions are not good and the screen is damaged or dirty, the indications and information displayed on the screen may not be read or be read incorrectly.

- The indications and information displayed on the screen should never induce to take any risk that compromises safety. The screen is not a replacement for driver awareness.

**⚠ WARNING**

Radio stations can transmit disaster or hazard announcements. The following conditions prevent such notices from being received or issued:

- When in areas with zero or insufficient radio signal. Also in tunnels, confined areas between very tall buildings, garages, underpasses, mountains and valleys.
- When the frequency bands of the radio station have interference or are not available in areas with sufficient radio signal reception.
- When the speakers and the vehicle components necessary for radio reception are damaged, do not work or do not have sufficient electrical power.

**⚠ WARNING**

Switch off mobile phone devices in areas with a risk of explosion!

**⚠ WARNING**

The driving recommendations and traffic indications shown on the navigation system may differ from the current traffic situation.

- Traffic signs, signalling systems, traffic regulations and local circumstances prevail over driving recommendations and navigation system indications.
- Adapt your speed and driving style to suit visibility, weather, road and traffic conditions.
- Certain circumstances can significantly initially planned lengthen both the duration of the trip and the route to the destination, or even temporarily prevent navigation to it, for example, if a road is closed to traffic.

**ⓘ NOTICE**

In areas where special regulations apply or the use of mobile phones is forbidden, the mobile device in question must be switched off at all times. The radiation produced by a mobile phone device when switched on may interfere with sensitive technical and medical equipment, possibly resulting in malfunction or damage to the equipment.

**ⓘ NOTICE**

If the playback volume is excessive or distorted, the speakers may be damaged.

# Overview and controls

## Connect System

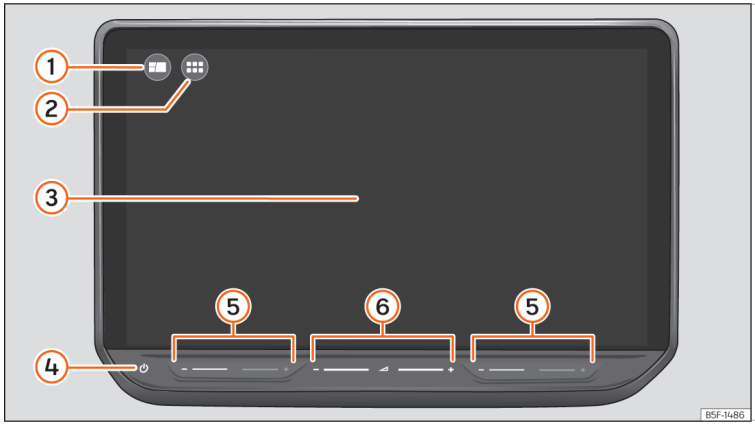


**Fig. 168** Overview: control unit

1. HOME button : main menu with widget views.
2. MENU button : main menu in tile mode.
3. Touch screen. The infotainment functions can be used through the screen.
4. On/Off touchpad (to turn the infotainment system on/off).
5. Touch zones (to raise and lower the air conditioning temperature).
6. Touch zones (to raise and lower the volume).

# General instructions for use

## Operating indications

- The infotainment needs a few seconds for the complete start-up of the system and during that time it does not react to inputs. Only the image of the rear view camera system can be displayed during system start-up.
- The display of all indications and the execution of functions only takes place once the infotainment system has finished booting. The duration of the system booting depends on the number of infotainment functions and may take longer than normal in the event of very high or very low temperatures.
- When using the infotainment system and corresponding accessories, e.g., headphones, bear in mind country-specific regulations and legal provisions.
- Some functions of the infotainment system require an active SEAT CONNECT user account and an Internet connection for the vehicle. The data transmission must not be limited to perform the functions.
- To use the infotainment system, simply lightly press a button or touch the screen.
- For the correct operation of the infotainment system it is important that it is switched on and that, if necessary, the time and date of the vehicle are set correctly.
- If a function button is missing on the screen, it is not a device defect, but corresponds to the specific equipment of the country or version.
- Some infotainment functions can only be selected when the vehicle is at a standstill. In some countries the parking lock must also be enabled (button **P** ) or the selector control must be in the neutral position **N**. This is not a malfunction, but is due to compliance with legislation.
- Restrictions on the use of devices using Bluetooth® technology may apply in some countries. For further information, contact the local authorities.
- If you disconnect the 12-volt battery, turn on the ignition before restarting the infotainment system.
- If the setup is changed, this may change the display on the screen and in some cases, the infotainment system may behave in a manner different to that described in this instruction manual.
- In some countries, the infotainment system automatically shuts off when the engine is switched off and the vehicle's 12-volt battery charge level is low.
- Ensure that any repairs or modifications that need to be carried out on the infotainment system are carried out by a specialised workshop. SEAT recommends visiting a SEAT dealership for this.
- Using a mobile phone device inside the vehicle may cause noise in the speakers.
- On vehicles with park assist, the audio source volume is automatically lowered when reverse gear is selected. The volume reduction can be adjusted.
- Information about the included software and the license conditions can be found in **Settings > Information > Copyright**.
- When selling or lending the vehicle, make sure that all saved data, files and settings have been deleted and, if necessary, external audio sources and data media have been removed.

**Note**

**You will find more information and tips for using the infotainment system in the Help menu.**

## Home screen

If an icon is missing on the screen, it is not a device defect, but corresponds to the specific equipment of the country or version.

The following menus can be included as an icon:

**Main menus**

Vehicle ››› page 40

Navigation ››› page 279

Radio ››› page 272, Media ››› page 276

Telephone ››› page 286

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Sound

Users

Store

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Help

## Managing the infotainment system

Execute the functions and settings with the infotainment controls.

Depending on the equipment, the infotainment system has different controls:

- Touch screen.
- Touch zones outside the screen, for example, Volume (+ -).

### Open the Quick Guide

More information and operating tips can be found in the Infotainment Quick Guide.

- Press **HOME** > **Help**.

### Connecting and disconnecting the infotainment system

The infotainment system turns on when the ignition is switched on, unless it has been manually turned off beforehand.

The infotainment system starts-up with the last set volume, provided that this does not exceed the preset maximum start-up volume.

The infotainment system automatically turns off when the driver's door is opened, provided the ignition has been switched off beforehand.

### Moving objects and adjusting volume

Move objects on the screen to adapt settings, for example, with scrollable buttons or to move the areas of a menu.

Depending on the equipment, menus and displays can be customised.

### Increasing and reducing images or map sizes

*Tip: use your thumb and index finger.*

- Press on the map with both fingers at the same time and leave them on the screen.
- To enlarge views, slowly separate one finger from the other. To reduce views, slowly bring one finger towards the other.

**Note**

**If you turn on the infotainment system manually with the ignition off, it will automatically turn off after about 30 minutes.**

**Note**

**As with most state-of-the-art computer and electronic equipment, in certain cases the system may need to be rebooted to make sure that it operates correctly. To do this, if appropriate, press and hold the On/Off button of the infotainment system (››› page 264) for approx. 15 seconds until the SEAT logo appears on the display.**

## Customising the infotainment system

Customise the top menu or the HOME ››› Fig. 168 ① view to quickly access your favourite or most frequently used functions.

The main menu contains function buttons for accessing all of the Infotainment apps.

### Configuring customised menus

At the top of the screen you will find shortcuts to customisable system functions. Use the settings to delete or replace them, or change their order.

- Press and hold one of the icons (or press on the icon of an empty position) to display an additional window.
- Select one of the icons from the apps bar.
- Press ✕ to delete an icon.
- Click on an icon in the additional window to replace the value.
- To close the edit mode, press ✕ in the additional window.

## Settings (system and sound)

The selection of possible settings varies depending on the country, the equipment in question and the equipment of the vehicle.

### Modifying settings

The meaning of the following symbols are valid for all system and sound settings.

All changes are automatically applied when the menus are closed.

| | |
|---|---|
| ☑ / ◉ | The setting is selected and activated or connected. |
| ☐ / ○ | The setting is not selected, disabled or disconnected. |
| ▼ | To open a drop-down list. |
| + | To increase a setting value. |
| – | To reduce a setting value. |
| < | To go back step by step. |
| > | To go forward step by step. |
| ⊙ | To change a setting value with the scrollable button without adjusting. |

### Sound settings

- Access the sound settings: ⊞ > 🔊.

In the sound settings there may be the following functions, information and setting options:

- Equaliser.
- Position.
- Settings.

### System settings

- Access the system settings: ⊞ > ⚙.

In the system settings there may be the following functions, information and setting options:

- Screen.
- Time and date.
- Language.
- Additional keypad languages.
- Units.
- Voice control.
- Wi-Fi.
- Data connection.
- Manage mobile devices.
- Reset factory settings.
- System information.
- Copyright.
- Configuration wizard.

### Adjust the volume of external audio sources

If you need to increase the playback volume for the external audio source, first lower the volume on the infotainment system.

If the sound from the connected audio source is **very low**, increase the **output volume** on the external audio source. If this is not enough, change the **input volume** to **medium** or **high**.

If the sound from the connected external audio source is **too loud or distorted**, lower the **output volume** on the external audio source. If this is not enough, change the **input volume** to **medium** or **low**.

## Clean the screen

Remove persistent dirt carefully and without using aggressive cleaning products. To clean the screen we recommend that:

- The infotainment system is switched off.
- Use a clean, soft cloth dampened with water ››› page 378.
- In case of persistent dirt: soften the dirt by moistening with a little water. Then carefully remove with a clean, soft cloth.

**NOTICE**

**Cleaning the screen with inappropriate cleaning products or when dry, may damage it.**

- **When cleaning, only press lightly.**
- **Do not use aggressive cleaning products or that contain solvents. Such products may damage the equipment and darken the screen.**

## Trademarks, licenses and copyrights

### Registered trademarks and licenses

Certain terms in this manual bear the symbol ® or ™. These symbols indicate that they are trademarks or registered trademarks. The absence of this symbol, however, does not necessarily mean that the term in question can be used freely.

Other product names are registered trademarks of the respective rights holders.

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- Apple CarPlay™ is a trademark of Apple Inc.
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- iPod®, iPad® and iPhone® are trademarks of Apple Inc.
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- MPEG-4 HE-AAC audio coding technology and patents are licensed by Fraunhofer IIS.
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### Copyright

As a general rule, audio and video files stored on data media and audio sources are subject to intellectual property protection in accordance with the national and international provisions applicable in each case. Please bear in mind all legal provisions!

## Technical data

### Central computer with control and display unit[1)]

The factory-mounted central computer in the vehicle includes country-specific components and software for connectivity and for the execution of vehicle, comfort and infotainment functions.

The corresponding indications are shown on the control and display unit screen and partly on the instrument panel.

[1)] Equipment name: Connect System

- Capacitive colour screen
- Using the equipment with:
  - Touch zones Touch operation.
  - Buttons on the multifunction steering wheel.
  - Proximity sensors and gesture control.

  **HOME > ⚙ Settings > Display.**

### Vehicle and comfort functions

- Assistants system settings.
- Heating and air conditioning settings.
- Lights and visibility function settings.
- Vehicle comfort settings.
- Parking and manoeuvring settings.

### Sound system (basic equipment):

The infotainment system that is supplied from the factory is equipped as follows:

- Speakers in different locations and with different power levels (watts).
- Internal amplifier depending on the system:
  - 7 speakers: 5 x 20 W.

Setting options:

- Equaliser, depending on the system:
  - 7 speakers: 5 frequency bands and default settings.
- Sound distribution, depending on the system:
  - 7 speakers: Balance + Fader (left / right / front / rear).
- Sound optimisation by zones (valid for the 7-speaker system):
  - Manual (Driver and All).
  - Automatic depending on the seats occupied.

### Optional sound system

The infotainment system can be extended with an optional sound system as follows:

- 10 speakers in different locations and with different power levels (watts).
- External amplifier (340 W Ethernet), which processes the audio signals sent by the central computer.
- Excitation of speaker channels through class AB final stages.
- Audio signal processing in digital internal signal processor (DSP).
- Independent subwoofer in the luggage compartment.

Setting options:

- User equaliser: 5 bands.
- Preset equaliser settings.
- Sound distribution: Balance (left / right) + Fader (front / rear).
- Sound optimisation by zones:
  - Manual (Driver, Front and All).
  - Automatic depending on the seats occupied.
- Subwoofer volume.
- Surround settings.

### Wi-Fi

- Wi-Fi conforming to IEEE 802.11 b/g/n.
- 2.4 GHz and 5 GHz transfer (depending on the country).
- Apple Car Play™ and Android Auto™ over Wi-Fi.
- Simultaneous connection of up to 8 Wi-Fi devices.
- *Connect System:*
  - Access point.
  - Tethering.
  - Pairing process simplified by WPS or QR code.

### Bluetooth® profiles

There can be a maximum of two mobile devices connected to the Bluetooth® hands-free and a third device connected to the Bluetooth® as a music player.

When a mobile phone is connected to the telephone management system, a data exchange takes place via one of the Bluetooth® profiles.

- **Hands-free telephone profile (HFP):** the HFP can be used to manage calls through the infotainment system.

- **Audio profile (A2DP):** This profile allows audio to be transmitted with stereo quality. It may require connecting other profiles for managing and controlling playback.
- **Phone book access profile (PBAP):** Allows phone book contents to be downloaded from the mobile telephone.
- **Messaging profile (MAP):** It allows short messages (SMS) and emails to be downloaded and synchronised.

# SEAT Assistant

## Introduction

**Note**

**The SEAT Assistant function is not available in all markets.**

The SEAT Assistant works both *online*[1] and *offline*, taking into account the aspects indicated in the section "**Languages available depending on the market**".

In *offline* mode the catalogue of voice commands is limited. For a better user experience, it is advisable to use the *online* mode by activating the *online* voice assistant via the My SEAT App, which provides the user with a wider range of voice commands.

The SEAT Assistant understands questions and expressions without having to learn commands. Commands can be formulated freely and can be colloquial. For better system operation, it is recommended to always include a verb in the voice command. Command proposals can be found in the infotainment system, for example in the **HOME > SEAT Assistant > Tips** menu.

Loud noises inside or outside the vehicle can cause malfunctions, as well as confusing phrases and answers.

### Seat-dependent speech recognition

Thanks to additional microphones, the SEAT Assistant can recognise whether the person speaking is the driver or the passenger. Therefore, in the case of the available languages, you can access functions for a specific seat, such as switching on the seat heating.

### Languages available depending on the market

- *Online and offline:* German, American English, British English, French, Italian, Spanish, Czech, Dutch, Polish, Portuguese, Swedish, Danish and Norwegian. These languages have advanced functions such as Online Commands, air conditioning control, natural interaction, etc.
- *Offline:* Finnish, Mexican Spanish.

The other languages of the infotainment system (e.g. Greek, Russian, Turkish, Bulgarian) have **no** natural interaction.

### Requirements

- *Offline:* voice control with the corresponding infotainment installed in the vehicle.
- *Online and offline:* voice control with the corresponding infotainment system installed in the vehicle and an active SEAT CONNECT Plus contract.

**Note**

- **The SEAT Assistant only recognises commands in the language that is set in the infotainment system.**
- **Test the SEAT Assistant while the vehicle is stopped, before moving off, to familiarise yourself with its operation.**
- **The online voice search will be faster and more reliable if the privacy setting "Use location" is selected and you consent to the use of location data in the app on your mobile device.**
- **The SEAT Assistant can only control functions that are available as part of the vehicle's equipment.**

[1] Not available on all markets.

## Wake word and commands

### Activation word for the SEAT Assistant

The SEAT Assistant starts when the infotainment recognises the activation word.

If you have started the SEAT Assistant via the activation word, the activated infotainment will play an audible tone as it is listening to you and display the avatar next to the teleprompter.

- **OR:** after the wake word, say the desired command, for example: "*Hola hola*" and then "*Switch on heating*".

The system scans the words spoken in the vehicle after the activation work and displays them on the Teleprompter.

### Connect and disconnect the wake word

- Tap **MENU > SEAT Assistant > Activation**.

| | |
|---|---|
| **Wake word:** | Hola Hola |

The activation word can be personalised by the user via the microphone or keypad.

### Commands

To help the voice control recognise commands reliably:

- Pronounce clearly. Confusing commands are not recognised. Speak in a normal tone of voice. Speak a little louder if you are driving at high speed.
- Avoid outside noises. Open windows and doors can interfere with voice control.
- Avoid other secondary noises, such as conversations in the vehicle. Do not direct the air flow from the outlets towards the microphone or the interior lining of the roof.
- Do not make long pauses.

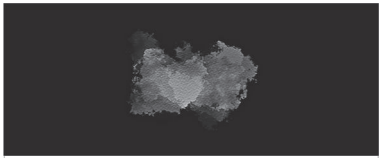

**Fig. 169** SEAT Assistant is active and recognises any words that are spoken.

### Open the command proposals

- Press **MENU > SEAT Assistant**.

**Note**

- **If the activation word is switched off, the SEAT Assistant cannot be activated via the activation word. The SEAT Assistant is still available via the button on the multifunction steering wheel. You can deactivate the activation word in MENU > SEAT Assistant > Activation.**
- **Availability depends on country and equipment.**

## Starting and ending the SEAT Assistant

Depending on the equipment, you can start voice control in different ways.

### Starting the SEAT Assistant

- *Activating the SEAT Assistant:* say the word that activates the SEAT Assistant.
- *Multifunction steering wheel:* press the voice control button .

In some cases you can also start the voice assistant of the connected mobile device by pressing and holding down the voice control button.

### Ending the SEAT Assistant manually

The SEAT Assistant cancelled using the command **Cancel**.

- *Multifunction steering wheel:* tap the voice control button once to end the assistant.

SEAT Assistant is automatically terminated if you use infotainment functions, if the parking system is activated, if there is an incoming call or a long pause or silence.

# Radio mode

## Introduction

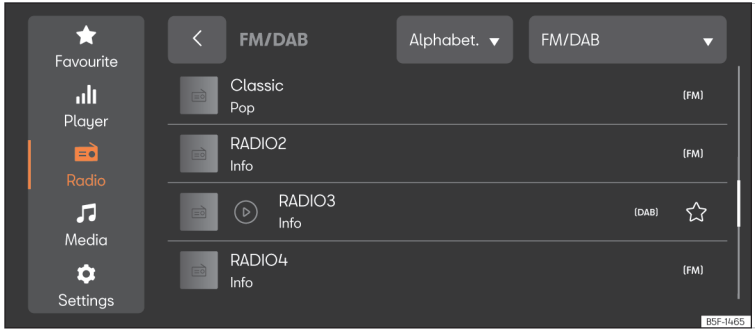


**Fig. 170** Schematic representation: Radio view.

In Radio mode you can tune in the available radio stations in different frequency bands and memorise your favourites on the preset buttons to access them quickly.

The types of reception and frequency bands available depend on the equipment and the country. In certain countries, frequency bands may stop broadcasting or not be available again.

### Access the RADIO menu

- Press **HOME** > ⓟ > 📻 ››› Fig. 170.

### Access the settings

- Press **HOME** > ⓟ > ⚙.

### Online functions in Radio mode

Online functions in Radio mode are only available under the following conditions:

- SEAT CONNECT or SEAT CONNECT Plus equipment.
- You have an active SEAT CONNECT user account.
- The vehicle is assigned to your user account.
- You have a corresponding data package acquired from the In-Car store or have a data volume for your own mobile phone device via Wi-Fi access point.

**Note**

- **Radio stations are responsible for the content of the information they transmit. Electrical equipment connected to the vehicle may also cause interference in radio signal reception and noise in the loudspeakers.**
- **Foil or metal-coated stickers attached to the windows may affect reception on vehicles with a window aerial.**

## Radio equipment and symbols

The functions, as well as the types of reception and frequency bands available depend on the equipment and the country.

- AM tuner.
- Dual FM receiver (diversity antenna).
- Summarised FM station list.
- Merger of DAB and FM stations into one list.
- Fusion of all stations stored in preset buttons into one list. Maximum 36 favourite stations.
- Station logos.
- DAB presentation (slideshow). Images that are emitted sequentially.
- Internet Radio: over 10,000 stations and podcasts from around the world, included with SEAT CONNECT PLUS.

### Universal symbols in Radio mode

**AM** To select the desired AM frequency band[1].

**FM/DAB** To select the desired FM/DAB frequency band.

**Internet radio** To select the type of Internet radio reception.

**TP** Next to the name of the station, monitoring of active traffic information stations (TP).

### Symbols on the FM/DAB frequency band

To display the frequency band for manual selection of the FM frequency. Only the FM band should be selected in the Radio context.

DAB not available.

DAB stations support presentations (slideshow).

### Symbols on the AM frequency band[1]

Manually updating the station list.

To display the frequency band for manual selection of the AM frequency.

### Menus in Internet radio mode

Show station selection.

Open text search.

Show the last online radio stations heard.

TOP 100 Show the 100 most played radio stations and podcasts.

Show available online radio podcasts.

Show online radio stations, grouped by country.

Show online radio stations by the desired language.

Show online radio stations whose programme belongs to the desired musical genre.

## Selecting, tuning and saving a station

### Select the frequency band

Before selecting a station you have to select a frequency band or a type of reception. Different stations are available depending on the frequency band selected or the type of reception.

The types of reception and frequency bands available depend on the equipment and the country.

- Select the frequency band or type of reception: AM, FM/DAB, FM (for devices that do not have DAB), Internet radio.

### Search and select a station

You can select radio stations in different ways. The options vary depending on the frequency band and the type of reception.

### Select via the frequency band (AM and FM)

1. Activate the frequency band.
2. Click on the cursor, scroll through the frequency band and release it when you reach the frequency band you want.

   **OR:** press on a point on the frequency band. The cursor will automatically jump to the corresponding frequency.

[1] Not available on all markets.

The station of the set frequency is tuned.

### Select from the station list (AM and FM/DAB)

The station list shows the stations that are currently tunable. In the AM frequency band, you may have to update the station list if you are no longer in the area where you last accessed the station list. In the FM/DAB frequency band, the station list is automatically updated.

1. Open the station list
2. Press the station you want.

The selected station is tuned. In the case of FM/DAB and if the station is available, the best quality reception is automatically selected.

### Search and filter stations (Internet radio)

In Online Radio mode, stations can be filtered by categories and can be searched by text.

1. Open the station list.
2. Select the category by which the stations are to be filtered.

   **OR:** press 🔍 to start the text search. The input field is displayed.
3. Enter the name of the station you want. The list of the stations found is updated while entering the text.
4. Press the station you want.

The selected station is tuned.

### Save stations on the preset keys

You can store up to 36 stations of different frequency bands and reception types as favourites using the preset buttons.

1. Tune the station you want.
2. Access the preset buttons.
3. Press the preset button and keep it pressed until the station is stored.

   **OR:** press the station on the station list and keep it pressed. The preset buttons are displayed.
4. Press the preset button.

The station is stored in the selected preset button.

If a station was already stored in the preset button, it is overwritten with the new station.

## Special functions in Radio mode

### Traffic information (TP)

The TP function monitors the announcements of a station with traffic information and automatically reproduces them in the Radio mode or in the multimedia playback that is active. To do this, you have to be able to tune into a station with traffic information.

Some stations without their own traffic information support the TP function by broadcasting traffic information from other stations (EON).

In the FM frequency band or in the Multimedia mode, a station with traffic information in the background is automatically tuned while it is possible to tune into a station with traffic information.

If no station with traffic information can be tuned in, the device automatically searches for stations with tunable traffic information.

Stations with traffic information are not available in all countries.

#### Activating and deactivating the TP function

- In Radio mode or Multimedia mode, press ⚙ > **Traffic programme (TP)**.

### Presentations (SlideShow) in DAB

The slideshow function (SLS) is a feature of digital radio (DAB) stations, allowing a slideshow of images, e.g. the station's logo, to the user.

#### Activating and deactivating the SLS function

It is possible to deactivate the slideshow function on DAB radio stations:

- Menu ⚙ > **Slide Show** (switch on/off).

### Online radio

Online radio is a type of reception for Internet radio stations and podcasts that are independent of AM, FM and DAB. Thanks to Internet transmission, reception is not limited to the region.

Online radio is only available through the Internet connection of the active infotainment system. The use of online radio can generate expenses due to the transmission of data from the Internet.

- In Online radio mode, press and set the audio quality to high or low to tune the online radio.

### Station logos

In the case of some frequency bands, station logos may already be pre-installed in the infotainment system.

If in the FM/DAB frequency band settings the **automatic selection of station logos** is activated, station logos are automatically assigned to the stations.

In the Online radio mode, the infotainment system accesses the station logos of the online database and automatically assigns them to the stations.

### Assign station logos manually

1. In FM/DAB mode, press **Station logos**.
2. Press on the ✎ icon and then select the station to which a station logo is to be assigned.
3. Select the station logo. If desired, repeat the same process with other stations.
4. **OR:** via the menu ⚙ > **Station logos**.

### Additional DAB warnings

The DAB announcement function monitors possible notifications from DAB radio stations and plays them automatically in Radio mode.

**Activate and deactivate additional DAB warnings:**

- **Menu > Additional DAB announcements** (Activate/deactivate).

### Radio text

The radio text function provides information related to the selected radio station.

**Activate and deactivate Radio text:**

- **Menu > Radio Text** (Activate/deactivate).

# Media Mode

## Introduction

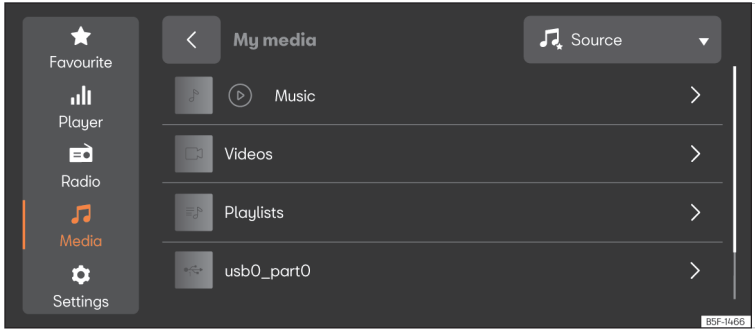


**Fig. 171** Schematic representation: Media view

In Media mode you can play multimedia files from data media and through the infotainment system.

Depending on the equipment, the following data media can be used:

- USB storage support (for example, a USB stick, a mobile phone connected via USB).
- Bluetooth® device (for example, a mobile phone or a tablet).

Depending on the equipment, the following types of multimedia files can be played:

- Audio files.
- Video files (depends on the system).

### Access the MEDIA menu

- Press **HOME** > ⊙ > ♫ ››› Fig. 171.

### Access the settings

- Press **HOME** > ⊙ > ⚙.

### Limitations and indications of data media

Data media may not work if they have been exposed to high temperatures or have been damaged. Please bear in mind the manufacturer's indications.

Quality differences between data media produced by different manufacturers can cause multimedia playback malfunctions.

Incorrect configuration on a data media may cause the data media to be unreadable.

Playlists only specify a playback order and refer to the storage location of the multimedia files within the folder structure. In a playlist there are no multimedia files saved. To play a playlist, multimedia files have to be found in the storage places of the data media to which the playlist refers.

**Note**

**SEAT assumes no liability for any deterioration or loss of files on data storage devices.**

## Equipment features and media symbols

**Audio, multimedia and connectivity:**

- Media playback and control via Bluetooth®.
- Audio playback in these formats: AAC, APE, ALAC, FLAC, MP2, MP3, MP4, Vorbis, OPUS, WMA.
- Video playback in these formats:
  - MPEG-1 and MPEG-2 (.mpg, .mpeg, .mkv, .avi).
  - ISO MPEG-4 ASP; Xvid (.mp4, .m4v, .mov, .mkv, .avi).
  - ISO MPEG-4 AVC / H.264 (.mp4, .m4v, .mov, .mkv, .avi).
  - Windows Media Video 9 (.wmv, .asf, .mkv, .avi).
- Playlists on any type of device.
- Multimedia search.

### Universal symbols in Media mode

- ▶ Start playback.
- ❚❚ Pause playback.
- ⏮ Change to the previous track.
- ⏭ Change to the next track.
- Repeat the track that is playing.
- Repeat all titles.
- Activate the shuffle playback order.
- ★ Display a list of favourites.
- ⊕ Add a media file as favourite.
- ▼ Top right: select media source.
- ⚙ Access the settings.
- 🔍 Open the search.
- < Return to the top folder of the media source.

## Select and play a multimedia source

### Select multimedia source

Before playing multimedia files you must first connect a multimedia source.

- Connect an external multimedia source.
- Select the connected media source to be used for playback.

### Playing audio and video files

You can search and play multimedia files from an available multimedia source in different ways.

### Search in the folder structure

Multimedia files can be catalogued by categories (for example, album, artist, title). In **My media** this category view is always displayed. The classic folder structure of individual USB data media is also found in **My media**.

1. Activate the folder structure.

   The folder structure of the selected multimedia source is displayed. When **My media** is selected, the categories (music, videos, playlists) and connected multimedia sources are displayed first.
2. Search for the title you want in the folder structure.

   **OR:** press 🔍 to start a text search The input field is displayed.
3. Enter the name of the desired title. The list of the titles found is updated while entering the text.
4. Press the desired title.

   If at the beginning of the playback your selection is in a folder of a multimedia source, the multimedia files that are in it are also added to the playback.

   If a playlist is played, all available titles in the playlist are added to the playback.
5. Close your selection with ✕.

### Select favourites

In favourites you can save titles, music genres, artists and albums individually for playback.

- Access favourites ★.
- Press the favourite you want.

Depending on your selection, all the titles belonging to the favourite are added to the playback.

### Save favourites

Only multimedia files in **My media** of the infotainment system can be saved as favourites. You can save up to a maximum of 36 titles, albums, artists and music genres individually as favourites.

1. Start playback.
2. Access favourites.
3. Tap a favourite that is not assigned.

   **OR:** press and hold on an existing favourite for approx. 3 seconds.
4. Select from the selection list: Title, Album, Artist, Genres, Playlist.

The selection is saved instead of the previously selected favourite. If the favourite was already assigned, the previously saved favourite is overwritten.

The selectable options in the selection list depend on the data attached to the multimedia file. If the music genre is not indicated in the music files, for example, you cannot save the music genre as favourite.

If a video file is playing, only that video can be saved as favourite.

## Playing entertainment content in the infotainment system

Depending on the infotainment system, videos can be played.

### Video mode

When in Video mode, a video stored on data media, in **My multimedia** can be played on the infotainment display. In this case, the video sound is played through the vehicle's speakers.

The image is only displayed if the vehicle is stopped. When the vehicle is in motion, the infotainment screen turns off. The sound of the video can still be heard.

# Navigation

## Introduction

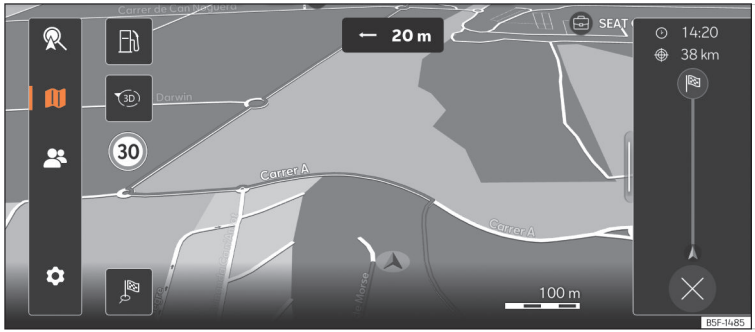


**Fig. 172** Schematic representation: Navigation view.

A global satellite system determines the current position of the vehicle and the sensors mounted on the vehicle analyse the routes taken. All measured values and possible traffic events are compared with the available maps to allow optimal navigation to the destination.

Navigation announcements and graphic representations will guide you to your destination.

Navigation management is carried out on the screen.

Depending on the country, some functions of the infotainment system will not be available on the screen when travelling above a certain speed. It is not a malfunction, but is due to compliance with legislation.

### Navigation announcements

Navigation announcements are acoustic indications for driving referred to the current route.

The type and frequency of navigation announcements depend on the driving situation, for example, starting the guide to the destination, driving on the motorway or on a roundabout and the settings.

If the exact destination cannot be reached because, for example, it is in a non-digitised area, indications relating to the address and the distance to the destination are displayed on the screen.

During dynamic route guidance, you will receive information about reported traffic congestion on the route. An additional navigation announcement is given if the route is recalculated due to traffic congestion.

While a navigation announcement is playing, its volume can be adjusted. The following navigation announcements provided will be played with the newly adjusted volume.

### Limitations during navigation

If the infotainment system cannot receive data from GPS satellites, for example, in a tunnel or in an underground garage, navigation continues using the vehicle's sensors.

In areas that are not digitised or are only partially digitised on the infotainment memory, the infotainment system will still attempt to provide route guidance.

In the case of missing or incomplete navigation data, it may not be possible to determine the exact position of the vehicle. This may mean that navigation is not as precise as usual.

Roads and streets are subject to constant change (e.g. new roads, road works, roads closed to traffic, changes to street names and building numbers). If the navigation data is obsolete, this may lead to errors or inaccuracies during the route guidance.

### Managing the navigation map

To allow an optimal view, you can also manage the navigation map with additional finger movements.

### Moving the map

*Tip: use your index finger*

- Move the map with your finger.

### Zoom in

*Tip: use your index finger*

- To increase the view in a certain position, double-click on the map.

### Zoom out

*Tip: use your index and middle fingers*

- Press on the map with both fingers at the same time.

### Change view

*Tip: use your index finger*

- Press twice on the map and keep your finger pressed on the screen.
- To zoom out the view of the map, move your finger upwards. To zoom in the view of the map, move your finger downwards.

### Change view

*Tip: use your thumb and index finger*

- Press on the map with both fingers at the same time and keep them pressed.
- To zoom out the view of the map, move one finger towards the other. To zoom in the view of the map, move one finger away from the other.

### Tilt the view

*Tip: use your index and middle fingers*

- Press on the map with both fingers at the same time and horizontal to each other, keep them pressed.
- To tilt the view of the map forward, move your fingers upwards. To tilt the view of the map backward, move your fingers downwards.

### Rotate the map

*Tip: use your thumb and index finger*

- Press on the map with both fingers at the same time and keep them pressed.
- To rotate the map view, turn your fingers clockwise anticlockwise.

### Saved data

The infotainment system saves certain data, for example, frequent routes and position data, to make the entry of the destination more agile and optimise the route guidance.

### Delete saved data

- Press **Settings > Basic function settings > Delete** and then **Accept**.

**⚠ WARNING**

**Select the settings, enter the destination and the modifications for navigation only with the vehicle at a standstill.**

**Note**

- **If a detour is passed during route guidance, navigation may recalculate the route.**
- **The quality of the navigation recommendations given by the Infotainment system depends on the navigation data available and any reported traffic congestions.**
- **Navigation announcements are not emitted if the sound is muted in the infotainment system.**

## Navigation functions and symbols

### Navigation

Navigation functions depend on the equipment and country.

### Functions

- Entering the destination and route calculation (offline and online.[1])
- Display of two navigation maps at the same time (screen and instrument cluster).
- Update of online maps.[1]
- Predictive navigation.
- 3D urban maps.
- Online traffic information.[1]
- Dynamic POIs (points of interest).

[1] Not available on all markets.

### Symbols on the map

The buttons and indications depend on the settings and the current driving situation.

Symbols for traffic events and points of interest (POIs) are displayed on the map, for example, petrol stations, train stations or interesting stopovers, provided navigation has such data ››› page 284.

- Current position.
- Search for destinations.
- Destinations along the route.
- Final destination.
- Home address.
- Work address.
- Favourite destinations.
- Additional window with more options.
- Additional window with route options.
- Centre the map on the current position.
- Change view: 2D oriented to the north, or 2D oriented to the direction of travel, or 3D to the direction of travel.
- Information about the current route guidance.
- 500m Map scale.

### Symbols in the additional window

- To open the additional window, press ☰.
- Repeat the last navigation announcement.
- Volume of navigation announcements.
- Map lighting in Automatic, Day or Night mode.
- Offer new guidance routes.
- 360° electric range indicator (hybrid vehicles)

### Other symbols

- Entering the detailed destination for an address.
- Search for destinations.
- Favourite destinations.
- Back

### Symbols in the route details

- Current position.
- Destination of the current guidance.

### POI symbols (points of interest)

POIs (points of interest) are shown on the map, provided the navigation has said data.

Click on the desired POI (point of interest) to start a route guidance ››› page 282.

- Petrol station.

P Parking lot.

Tourist information offices.

Train station.

Restaurant.

**Traffic information.**

POIs (points of interest) are shown on the map, provided the navigation has said data ››› page 284.

Click on a traffic event to open an additional window with further details ››› page 284.

Slow traffic.

Traffic jam.

Accident.

Broken down vehicle.

Slippery surface (ice or snow).

Road closed to traffic.

Slippery road hazard.

Danger.

Road works.

Strong wind.

Reduced visibility.

## Navigation data

The Infotainment system is equipped with a built-in navigation data memory. Depending on the country, the necessary navigation data may already be pre-installed.

To provide correct route guidance and make the most of the functions offered, the infotainment system should be updated on a regular basis.

Using obsolete data may lead to errors during navigation. Current routes cannot be traced or the route guidances will lead to mistaken destinations.

Ensure navigation data is updated at all times.

### Online updating of navigation data

The navigation data of the regions through which you travel frequently is automatically updated in the background if the Internet connection is established and the privacy settings are valid.

- With the ignition switched on, the navigation data is updated automatically.

### Manual update of navigation data

Current navigation data for large regions, for example Western Europe, can be downloaded from www.seat.com and stored on USB data devices.

- Download the navigation data to a USB data device.
- Turn on the ignition of the vehicle.
- Connect the USB data device to the infotainment system. Navigation data is automatically updated in the background.

The map version is displayed in **HOME** > ⚙ > **System information**.

**Note**

**Automatic update of the navigation data is subject to the privacy settings. No update is made in privacy mode.**

## Start route guidance

Depending on the country and equipment, different functions are available to enter destinations.

The different functions for entering destinations are found in the navigation main menu.

### Opening the Navigation main menu

- Press **HOME** > ⌖.

### Select the destination and start navigation

1. Press .
2. Select the desired destination. You can chose from **Suggestions, Recent destinations and ☆ Favourite destinations.**

   **OR:** press Q and enter the address in the input screen.

   **OR:** detailed address.
3. Press **Start**.

### Range based on the route

The range required for the selected route is recalculated taking into account different factors such as topography and road type. Therefore the range value will be adjusted instantly when the selection is made and recalculated en route according to any conditions that may not be initially assessed (weather, traffic, etc.) until arrival at destination, where the standard range will be displayed again.

### Suggestions

The destination synopsis uses recorded data to propose possible destinations.

*Select the destination and start navigation:*

1. Tap and then **Suggestions**.
2. Select the desired destination. The route guidance starts automatically.

**Quick start:** for a quick start, press and hold the desired destination for a few seconds.

### Last destinations

Navigation saves the last destinations to make them available for a route guidance.

*Select the destination and start navigation:*

1. Tap and then **Recent destinations**.
2. Press the desired destination.
3. Press **Start**.

**Quick start:** for a quick start, press and hold the desired destination for a few seconds.

### ☆ Favourite destinations

Save up to 20 destinations as favourites.

To save a destination as a favourite press ☆ in the split screen when entering the destination.

*Select the destination and start navigation:*

1. Tap and then **Favourites**.
2. Press the desired destination.
3. Press **Start**.

**Note**

**Enter the destination as accurately as possible. If you enter a destination incorrectly, the route guidance will not be able to start or it will guide you to an incorrect destination.**

### Start route guidance by selecting from the map

The navigation map includes active areas at many points that are suitable for entering the destination. To do this, press the desired position or place on the map. If there is map data at this point, you can start a route guidance.

Whether it is possible to enter the destination through the navigation map depends on the state of the data and it is not possible for all positions.

To start "offroad navigation", press an empty area without position data.

*Start navigation:*

1. Press .
2. Move the view on the map until the desired position can be selected. The navigation map can be used by means of additional finger movements ››› page 279.
3. Press the desired destination on the map.
4. A pop-up window will appear where you can tap on the corresponding icon:
   - ☆: favourite destination.
   - : new route.
   - **Start**: starts the route to the destination.

### Offroad navigation

"Offroad navigation" calculates routes to selected destination points using unknown data. When a destination point is outside the known

roads or position data, navigation finds the route to the next point of the known road and completes the path to the next destination point with a direct connection.

*Start navigation:*

1. Move the view on the map until the desired position can be selected. The navigation map can be used by means of additional finger movements ››› page 279.
2. Press on any point on the map without position data.
3. A pop-up window will appear where you can tap on the corresponding icon:
   - ☆: favourite destination.
   - : new route.
   - **Start**: starts the route to the destination.

### Start route guidance using contact details

Start route guidance with the saved address data of a contact. Contacts saved without address data cannot be used for route guidance.

*Start navigation:*

1. Press .
2. Press on the contact you want.
3. A pop-up window will appear where you can tap on the corresponding icon:
   - ☆: favourite destination.
   - : new route.
   - **Start**: starts the route to the destination.

**Note**

**If the address details of a contact are obsolete, the route guidance will nevertheless take you to the registered address. Check that the contact address is updated.**

## Traffic information

The infotainment system receives detailed traffic information automatically if the Internet connection is established. This information is shown with symbols and highlighting the road network in colour on the map.

### Traffic incidents

Traffic incidents, for example, traffic jams or congested traffic, are shown on the navigation map using symbols.

With an active route guidance, traffic incidents that are on the current route are shown in the route details. Such traffic incidents can be avoided ››› page 284, *Function descriptions*.

### Traffic flow indication

The navigation map shows traffic flow according to current traffic events, highlighting the road network in colour.

- **Yellow:** Slow traffic.
- **Red:** Traffic jam.

**Note**

**Traffic information receipt is subject to the privacy settings. In maximum Privacy mode, no traffic information is received. Tracking or Location level setting is necessary.**

## Function descriptions

### Route details

The route details contain information on all incidents, for example, the starting point, stopovers, traffic events, POIs and destination, provided the navigation has such data.

If you press on an incident, an additional window opens providing more options. The available options depend on the incident and the current settings.

#### Open and close the route details

- To open them, press | or swipe it.
- To close them, press | or swipe it.

### Edit route guidance

To edit the route guidance, move the stopovers to the destination in the TripView view.

- Hold the desired destination pressed until it is visibly highlighted.
- Move the destination to the desired position.
- Remove your finger from the screen. The route will recalculate.

### Avoid traffic incidents

The details of the route show the current traffic incidents if the navigation has such data. Avoid traffic incidents by editing route details ››› page 284.

- Press on a traffic event.
- Press on **Avoid**. The route will recalculate.

### Split screen

When handling navigation functions, an additional window with other options may open. Possible options depend on the function being used.

### Close the additional screen

- Press on an empty area outside the additional window.
- **OR:** press ×.
- **OR:** press **Accept**.

| Functions in the additional window: | |
|---|---|
| **Show on map** | Show what is selected on the map. |
| **Add stopover destination** | Add a stopover to the route guidance. |
| **Direct route** | Starts direct route guidance. |
| **Delete** | Delete a stopover from the route guidance. |
| **Avoid** | Avoid traffic jam. The route will recalculate. |
| **Stop route guidance** | Ends the current route guidance. |
| × | Close the additional window. |
| ☆ | Add a destination to favourites. |

### Learn usage pattern

When the vehicle is in motion, navigation saves routes and destinations used to automatically generate destination proposals. Destinations are learned based on the time of day and the day of the week.

Navigation can propose up to 5 routes at the same time. The proposed routes may be different from the routes of the normal route guidance.

If one of the proposed destinations is selected, the guide to that destination is started.

The route guidance follows the selected route until the vehicle deviates from it. In that case, the route is recalculated and takes you back along the most direct path to the initially selected destination.

Important traffic jams are taken into account in the route guidance, and are avoided if alternative routes are available, provided navigation has such data.

You can activate and deactivate the function whenever you want.

### Enable and disable learning usage pattern

The setting is in the corresponding navigation menu ⚙ > **Basic function settings**.

- To activate the function, activate **Learn usage pattern**.
- To disable the function, disable **Learn usage pattern**.
- To delete saved data, press **Delete usage pattern**.

### 360° electric operating range display

*Valid for: vehicles with plug-in hybrid drive*

The 360° electric operating range display shows the possible range with the current charge level of the high voltage battery.

#### Switch on the 360° electric operating range display

- Open the additional map window and press the symbol ⊟.

# Telephone interface

## Introduction

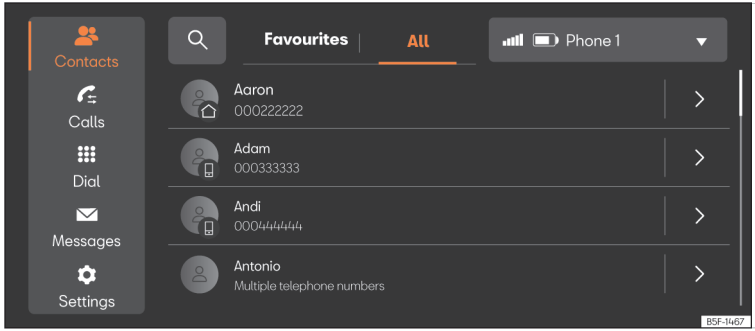


**Fig. 173** Schematic representation: Phone view.

You can use the telephone interface to connect your mobile to the infotainment system and operate phone functions through it. The sound is played through the vehicle's speakers.

You can connect up to two mobile phone devices simultaneously to the infotainment system.

High speeds, poor weather or road conditions and a noisy ambience (even outside of the vehicle), as well as the quality of reception can all affect the quality of a telephone conversation in the vehicle.

**Note**

- **As a general rule, pairing a device (for example, a mobile phone device) is only necessary once. You can restore the device connection via Bluetooth® or Wi-Fi with the infotainment system whenever you want without having to pair the device again.**
- **The availability of some telephone functions will depend on the mobile phone connected to the infotainment system.**

## Telephone interface equipment and symbols

### Equipment features

- Hands-free function.
- Use up to two phones at the same time.
- Phone book with a maximum of 5,000 contacts.
- SMS functions via Bluetooth®: SMS reading, SMS writing (templates included), SMS playback, message history.
- Email functions via Bluetooth®: reading email, writing email.

- Connection to wireless charging option.
- Connection to the microphone mounted on the vehicle.

### Symbols in the main menu

- Contacts.
- List of incoming and outgoing calls.
- Enter telephone number.
- Text messages (SMS and emails).
- Telephone interface settings.

### Symbols for calls

The symbols may be different depending on the infotainment system.

- Start a call or bringing it to the foreground.
- End or reject a call.
- Open contact list or Start conference call.
- Enter telephone number.
- Mute the sound of the hands-free
- Hold call.
- Continue call.
- Pass call to private mode.
- SOS Make an emergency call.
- Voice mail.
- Reject call with SMS Template.
- Ignore an incoming call.
- Switch the call to handsfree mode.
- Go to the CarPlay context.
- Remove a person from the conference call.
- Go to the contacts list.
- Make a breakdown call.
- Make a customer care call.

### Call list symbols

- To open the call lists, press .
- Incoming call.
- Outgoing call.
- Missed call.
- Telephone number (company).
- Telephone number (private).
- Mobile telephone number (company).
- Mobile telephone number (private).
- Fax (private).
- Fax.

### Symbols for text messages

The symbols may be different depending on the infotainment system.

- To open the text messages, press .
- Activate voice control input ››› page 270.
- Templates for text messages.

## Places with special regulations

Switch off the mobile telephone and the telephone interface in places with a risk of explosion. These places are not always clearly marked. They include, for example:

- The vicinity of chemical pipelines and tanks.
- The lower decks of boats and ferries.
- In the proximity of vehicles that run on liquefied gas (such as propane or butane).
- Places where the air is laden with chemicals or particles such as flour, dust or metal powder.
- All other places where the engine or telephone must be switched off.

**⚠ WARNING**

**Switch off the mobile phone in areas with a risk of explosion!**

**Note**

**In areas where special regulations apply or the use of mobile phones is forbidden, it must be switched off at all times. The radiation produced by the mobile phone when switched on may interfere with sensitive technical and medical equipment, possibly resulting in malfunction or damage to the equipment.**

## Pair, connect and manage

Requirement for pairing:

- Bluetooth® is activated on the mobile phone device.
- Bluetooth® is activated on the infotainment system.
- Depending on the mobile device, it will be necessary to have the Bluetooth® menu open or activate the **Visibility** option so that the device is visible from the infotainment system.

Pair a mobile phone device suitable for telephony with the infotainment system to use the telephone interface functions. On the first connection, the mobile phone device is paired with the infotainment system. Doing so saves a user profile.

The pairing can take a few minutes. The functions available depend on the mobile phone device used and its operating system.

### Pair a mobile phone device

1. Open the list of available Bluetooth® devices on the mobile phone device and select the name of the infotainment system.
2. Please note and, if necessary, confirm the messages that appear on the mobile phone device and on the infotainment system. If the pairing was successful, the phone data is saved in the user profile.
3. *Optional:* confirm the data transfer message on the mobile phone device.

### Active and passive connection

To use the functions of the telephone interface, there must be at least one mobile phone device connected to the infotainment system. If there are several mobile phone devices connected to the infotainment system, you can switch between active and passive connections. To use the telephone interface with the desired mobile phone device, establish the active connection with the infotainment system.

### Difference between connection types

**Active** The mobile phone device is paired and connected. The functions of the telephone interface are performed with the data of said mobile phone device.

**Passive** The mobile phone device is paired and connected. Calls can be managed but the phone book, messages or other functions will not be active.

Paired mobile phone devices are stored in the infotainment system, even if they are not currently connected.

### Connect a mobile phone device

*Requirement: the mobile phone device is paired with the infotainment system.*

- Bluetooth® is activated on the mobile phone device.

### Establish an active connection

*Requirement: several mobile phone devices are connected to the infotainment system at the same time.*

- Select the desired mobile phone device from the drop-down menu. All other mobile phone devices are automatically in the passive connection.

**⚠ WARNING**

**If you perform the pairing while driving, it could cause an accident or injury.**

- **Perform pairing only with the vehicle at a standstill.**

**Note**

- **While the infotainment system is in the Known mobile phones menu, the wireless charging function is disabled. When you exit this menu, the wireless charging function is activated again.**
- **In the pairing of some mobile phone devices, a PIN number is shown on the screen of the mobile phone device. Enter that number in the infotainment system to complete the pairing.**

## Basic and Comfort Telephony

Depending on the equipment, two types of telephone interface can be used:

- Basic telephone interface.
- Comfort telephone interface.

### Basic telephone interface

The Basic telephone interface uses the Bluetooth® HFP profile for transmission. This interface allows the use of telephone functions through the infotainment system and playback through the vehicle's speakers.

### Comfort telephone interface

Like the Basic telephone interface, the Comfort telephone interface also uses the Bluetooth® HFP profile.

The Comfort phone interface can be equipped with the wireless charging function ››› page 290.

In order to use the functions of the wireless charging function, you have to place a suitable mobile phone device correctly in the storage compartment. The mobile phone device will then connect to the vehicle antenna. This improves the reception and sound quality of calls.

## Calling and sending messages

### Open the telephone interface

- Press **HOME** > .

### Make a call

Select a phone number to start a call. Different functions are available for selecting a phone number:

#### Contacts

If a contact has several registered phone numbers you have to select one.

- Press and press a number on the list to start the call.

**OR:** press and enter the contact name in the input field to search for it. Press on the contact to start the call.

**OR:** press a favourite in the telephone interface main menu to start the call.

#### Calls

The telephone interface shows the call list of the mobile telephone device. Start a call from the call list.

- Press > **All** and press a number on the list to start the call.

**OR:** press and filter the call list entries (for example, missed calls or dialled numbers). In filtered list, press a number to start the call.

#### Dial number

Manually enter a phone number to start a call. While entering the phone number, contacts that match that number are shown on the infotainment screen.

- Press and enter the telephone number.

Press to start the call.

The last call is dialled by pressing and holding the button on the multifunction steering wheel.

### Send messages

Depending on the mobile phone device and the infotainment system used, you can send and receive SMS and e-mails through the telephone interface.

*Send an SMS:*

1. Press > **Text message** > **Enter new message** and enter the message on the screen.
2. Enter the contact you want in the search bar.
3. To send the message press **OK**.

**Note**

**For messaging to be available, permissions to share messages must be accepted in the mobile device settings.**

*Send an email:*

- Press ✉ > **E-mail** > **Enter new message** and enter the message on the screen.
- Enter the contact you want in the search bar.
- To send the message press **OK**.

**Note**

**The availability of the E-mail function depends on the connected mobile telephone device and the e-mail apps that are used.**

## Phone book, favourites and speed dial buttons

In the first connection of a telephone with the infotainment system, the phone book is saved in the infotainment system. Data transmission may have to be confirmed and permissions for sharing contacts on the telephone may have to be accepted.

Each time the phone is reconnected, the phone book is updated.

If conference calls are supported, calls with up to six participants can be made by accessing the phone book during a call. If there is a saved image for a contact, it can be displayed in the list next to the entry.

### Favourites

A speed dial button can be assigned to a maximum of six or twelve favourites from the phone book (depending on the Infotainment system fitted to the vehicle). If there is a registered photo saved for the contact, it is shown on the speed dial button.

The dialling buttons have to be edited manually.

### Assign the speed dial button

- In the **Favourites** menu, press the **+** button, then open the phone book to select a contact as a favourite. If the contact has several phone numbers, press on the number in the list.

### Edit the speed dial button

- To edit or delete a favourite contact press the icon ✎ in the **Favourites** menu screen. You can delete one or more favourites.

### Call a favourite

- Press the assigned speed dial button.

**Note**

**Favourites are not updated automatically. If you change a contact's phone number, you have to reassign the speed dial button.**

## Connectivity Box

**Fig. 174** On the centre console: pad for the mobile phone connection.

The Connectivity Box includes different functions that will help to use your mobile device. These are:

- *Wireless Charger*[1].
- Signal amplifier / (*Mobile Signal Amplifier*)

### Wireless charger

The Wireless Charger allows mobile devices with Qi[2] technology to be charged without a cable.

To charge your mobile phone wirelessly:

- Place your mobile device in the middle of the pad with the screen facing up ››› **Fig. 174**, ››› ⚠.

[1] It only includes the wireless charge functionality.

[2] Qi technology allows you to charge your mobile phone wirelessly.

Make sure there are no objects between the pad and the mobile phone.

The mobile phone will start charging automatically. For further information about whether your mobile device uses Qi technology, check your phone's user manual or visit the SEAT website

### Mobile Signal Amplifier

It allows you to reduce radiation in the vehicle and have better reception.

For safety reasons, it is recommended that you pair the system and the mobile using Bluetooth® and place it on the Connectivity Box pad, for the best reception without having to handle the mobile phone.

For connection to the vehicle's external antenna:

- Place your mobile device in the middle of the pad with the screen facing up ››› Fig. 174 , ››› ⚠.

Make sure there are no objects between the pad and the mobile phone.

Your mobile phone will automatically be able to use the external antenna function.

**⚠ WARNING**

**Notifications on the screen of the mobile device can distract the driver's attention and increase the risk of a serious accident.**

- **Only place one suitable mobile device, with Qi compatibility if applicable. To ensure that it operates properly, place it without the protective case and ensure that it has maximum dimensions (width x length) of 80 x 140 mm (3.15 x 5.512 inches) on the base of the Connectivity Box as indicated.**
- **If the mobile device is not placed on the base of the Connectivity Box, in the correct position, or if its dimensions exceed those specified, it may not be recognised or may not charge correctly. Under certain circumstances, the infotainment system indicates that there is a foreign object in the storage compartment. Using a suitable mobile phone device and correcting its position can eliminate the fault.**
- **If necessary, remove any objects that may obstruct the cover's closing function.**

**⚠ WARNING**

- **The mobile phone may become warm due to wireless charging. Think about this before you pick it up, and take care when removing it.**
- **There must be no metallic or other objects between the mobile phone and the housing, to prevent the functionality of the Connectivity Box from being affected.**

**NOTICE**

**The base of the Connectivity Box is not removable.**

**Note**

- **Your mobile device must support the Qi inductive charging interface standard for proper operation.**
- **Charging time and temperature varies depending on the device that is used.**
- **The maximum charging capacity is 15W.**
- **Qi technology does not allow simultaneous charging of more than one mobile device.**
- **No improvement in reception can be guaranteed if there is more than one mobile phone on the pad.**
- **You are advised to keep the engine running to guarantee proper wireless charging.**
- **When a telephone with Qi technology is connected by USB, it will be charged by the means specified by the manufacturer.**

# Storing objects

## Positioning the luggage and cargo

### General information

**Placing luggage inside the vehicle safely**

It is possible to carry objects and luggage in the vehicle, in a trailer ››› page 304 and on the roof ››› page 302. When doing so, please consider all legal provisions.

- Distribute the load in the vehicle as evenly as possible.
- Always place luggage and heavy objects as far forwards as possible in the luggage compartment ››› ⚠.
- Take into account the maximum authorised weight per axle, as well as the maximum authorised weight of the vehicle ››› page 393.
- Secure the objects to the fastening rings of the boot using appropriate chains or belts ››› page 299.
- Also place small objects safely.
- In vehicles with dynamic headlight range control, the lights adapt automatically.
- Adapt tyre pressure to the load. Take into account the pressure sticker of the tyres ››› page 360.
- In vehicles equipped with tyre pressure control system, adjust to the new load status if necessary ››› page 370.

**⚠ WARNING**

**Loose or unsecured objects can cause serious injury in case of sudden manoeuvring or braking or in case of an accident. Particularly if the airbag hits them when deploying and they are thrown across the inside of the vehicle. Please observe the following rules to minimise the risk of injury:**

- **Place all objects inside the vehicle safely.**
- **Secure all objects, little and large.**
- **Place the objects in the cabin in such a way that they can never reach the airbag deployment areas while the vehicle is in motion.**
- **Keep the storage compartments closed at all times while the vehicle is in motion.**
- **Place the objects in such a way that they never force any occupant of the vehicle to sit in an incorrect position.**
- **When transporting objects that take up a seat, never let anyone use that seat.**
- **Never leave hard, sharp or heavy objects loose in open storage compartment of the vehicle, on the cover behind the rear seat or on the instrument panel.**
- **Remove all hard, sharp or heavy objects from the fabrics and bags inside the cabin and store them safely.**

**⚠ WARNING**

**The transport of heavy object changes vehicle handling and increases braking distance. Heavy objects that are not properly placed or secured may cause loss of control of the vehicle and thus severe injuries.**

- **Never put too much load in the vehicle. Both the carrying capacity as well as the distribution of the load in the vehicle have effects on the driving behaviour and braking ability.**
- **When transporting heavy objects, the driving behaviour of the vehicle varies due to the displacement of the centre of gravity.**
- **Always distribute the load in the vehicle as evenly and horizontally as possible.**
- **Always place heavy objects in the boot before the rear axle and as far away from it as possible.**
- **Objects in the luggage compartment that are unsecured could move suddenly and modify the handling of the vehicle.**
- **Adapt your speed and driving style at all times to suit visibility, weather, road and traffic conditions.**
- **Accelerate with particular care and caution.**
- **Avoid sudden braking and manoeuvres.**
- **Brake earlier than usual.**

**NOTICE**

Electrical wires or, depending on the features, the antenna embedded into the rear windows could be damaged, even irreparably, if they are in contact with objects.

**Note**

Straps for securing the load to the fastening rings are commercially available from accessory shops.

# Luggage compartment

## Luggage compartment shelf

✓ Valid for: Leon

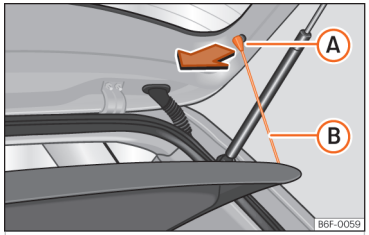


**Fig. 175** In the boot: removing and installing the shelf.

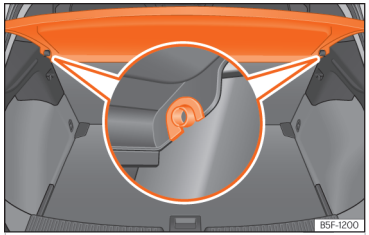


**Fig. 176** In the boot: removing and installing the shelf.

### Removing

- Detach the cord loops ››› Fig. 175 (B) from their hooks (A).
- Remove the rear shelf from the side supports ››› Fig. 176 by pulling it upwards and then take it out.

If necessary, the rear shelf can be stored under the luggage compartment double floor ››› page 294.

### Fitting

- Insert the cover horizontally so that the "recess" fits onto the axis of the supports ››› Fig. 176 and press down until it engages.
- Attach the securing straps ››› Fig. 175 (B) onto the rear lid.

**WARNING**

Animals, loose or unsecured or objects carried on the rear shelf can cause serious injury in case of sudden manoeuvring or braking or in case of an accident.

- Do not leave hard, sharp or heavy objects or in bags on the rear shelf.
- Never transport animals on the rear shelf.

**NOTICE**

- Before closing the rear lid, ensure that the rear shelf is correctly fitted.
- An overloaded luggage compartment could mean that the rear shelf is not correctly seated and it may be bent or damaged.
- If the luggage compartment is overloaded, remove the tray.

**Note**

Ensure that, when placing items of clothing on the luggage compartment cover, rear visibility is not reduced.

## Store the rear shelf

✓ Valid for: Leon

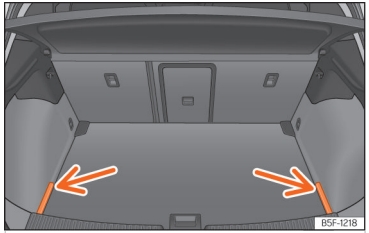


**Fig. 177** In the boot: covers for storing the rear shelf.

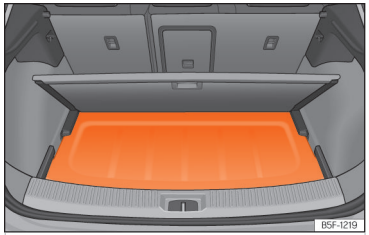


**Fig. 178** In the boot: fitting the rear shelf.

Depending on the equipment, once the luggage compartment shelf has been removed, it can be stored under the boot floor.

- Remove the left and right covers ››› Fig. 177.
- Place the rear shelf in the corresponding housing ››› Fig. 178.
- Put the left and right covers in their original position.

## Retractable shelf

✓ Valid for: LEON Sportstourer

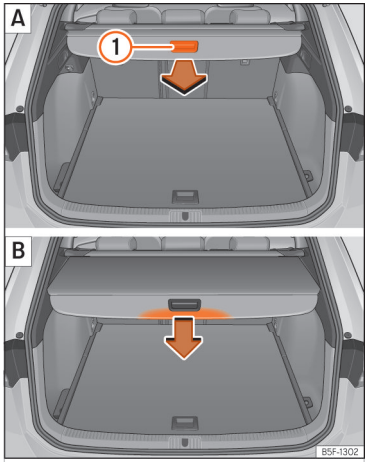


**Fig. 179** In the luggage compartment: extend and retract the shelf.

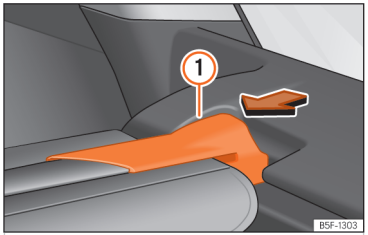


**Fig. 180** In the luggage compartment: remove the shelf.

### Extending the shelf

- Pull evenly on the rear shelf using its handle ››› Fig. 179 (1) in a backwards direction until it audibly clicks into place.

### Retracting the rear shelf

- Press on the handle of the rear shelf in the direction of the arrow to release it ››› Fig. 179 [B].

The shelf will automatically move towards the end and will retract completely.

### Removing the shelf

- Press the rear shelf support ››› Fig. 180 (1) in the direction of the arrow.
- Pull the rear shelf up and out of the support.

- The tray can be stored under the variable floor of the luggage compartment, which must be in its upper position ››› page 295.

### Fitting the shelf

- Place the rear shelf in the housing provided in the left or right side cover.
- Engage the support of the rear shelf ››› Fig. 180 ① into the housing on the other side.
- Check that the support is properly engaged.

**⚠ WARNING**

**Animals, loose or unsecured or objects carried on the rear shelf can cause serious injury in case of sudden manoeuvring or braking or in case of an accident.**

- **Do not leave hard, sharp or heavy objects or in bags on the rear shelf.**
- **Never transport animals on the rear shelf.**

**ⓘ NOTICE**

**To retract the rear shelf, press on its handle in a downwards only direction; if you press it upwards it may lead to its axles breaking.**

## Storing the retractable shelf

✓ Valid for: Leon Sportstourer except PHEV versions

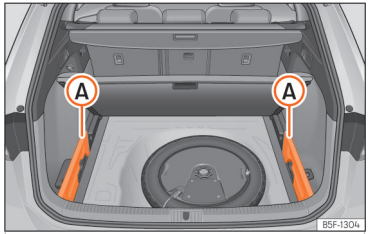


**Fig. 181** In the boot: space to store the retractable shelf.

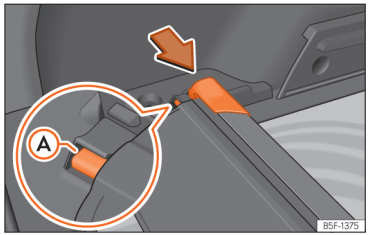


**Fig. 182** In the boot: space to store the retractable shelf.

The retractable shelf can be stored under the luggage compartment variable floor.

- Remove the left and right covers ››› Fig. 181 Ⓐ.
- Press the head of the retractable shelf in the direction of the arrow until it engages in its housing ››› Fig. 182. Make sure that slide Ⓐ fits into the corresponding housing.
- Put the left and right covers in their original position.

## Variable luggage compartment floor

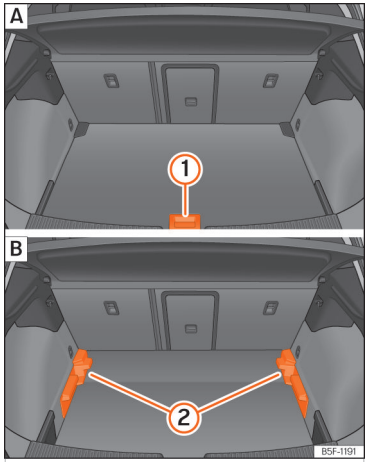


**Fig. 183** Variable luggage compartment floor: A raised position; B lowered position.

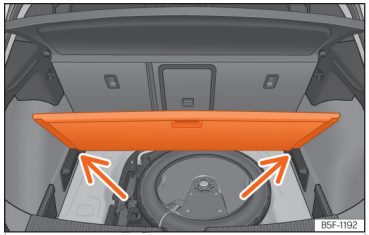


**Fig. 184** Variable boot floor: tilted position.

### Variable floor in high position

- To move from the low position to the high position, lift the floor using the handle ››› Fig. 183 (1), and pull it back until the front of the floor has fully passed the supports (2).
- Move the floor forward over the supports as far as the rear seat backrest and then lower the floor with the handle (1).

### Variable floor in low position

- To move from the high position to the low position, lift the floor using the handle ››› Fig. 183 (1), and pull it back until the front of the floor has fully passed the supports (2).
- Now let the front part fall to the floor and slide the floor forwards as far as the rear seat backrest; lower the floor at the same time with the handle (1).

### Variable floor in the tilted position

When the variable floor is tilted you can access the spare wheel or anti-puncture kit area.

- Lift the variable floor in the high position using handle ››› Fig. 183 (1), pull it up and push it towards the backrest of the rear seats until it folds along the hinge line and the movable part of the floor is resting on itself.
- Rest the floor on its housings ››› Fig. 184 (arrows).

**⚠ WARNING**

- **Always secure objects, even when the luggage compartment floor is properly lifted.**
- **Only objects that do not protrude more than 2/3 the height of the floor may be carried between the rear seat and the raised luggage compartment floor.**
- **Only objects that do not weigh than approximately 7.5 kg may be carried between the rear seat and the raised luggage compartment floor.**

**NOTICE**

- **The maximum weight that can be loaded on the luggage compartment variable floor in the top position is 100 kg.**
- **Do not let the luggage compartment floor fall when closing it. Always carefully guide it downwards in a controlled manner. Otherwise, the lining and the floor of the luggage compartment could be damaged.**

# Net partition

## Partition net behind the rear seat

✓ Valid for: LEON Sportstourer

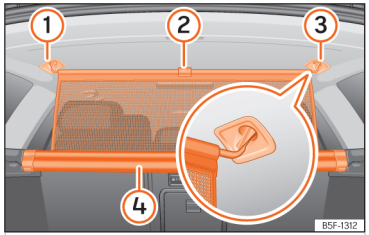


**Fig. 185** In the boot: securing the partition net.

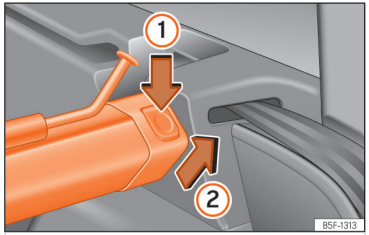


**Fig. 186** In the boot: removing the partition net.

### Pulling out and securing the net partition

- Pull up handle ››› Fig. 185 ② to remove the net from the casing ④.
- Hook in the net partition on the right or left side ③ (magnified image).
- Hook in the net partition into the housing on the other side ① by pulling the rod.

The net partition is properly assembled when the T-shaped ends are firmly secured in the corresponding housings ③ and ①.

### Retracting the net partition

- Unhook the rod from the housings ③ and ①.
- Roll up the net into the casing ④ lowering it with your hand.

### Removing the net partition

- Fold the rear seat backrests forward.
- Press the left or right release catch ››› Fig. 186 in the direction of the arrow ①.
- Remove the casing from the support in the direction of the arrow ››› Fig. 186 ②.

### Fitting the net partition

- Fold the rear seat backrests forward.
- Fit the casing in the right and left supports.
- Press the casing into the left and right supports in the opposite direction to the arrow ››› Fig. 186 ② until it engages. The red markings on the release buttons should no longer be visible.

**WARNING**

- **Always secure objects, even when the net partition is properly assembled.**
- **There should be nobody behind the assembled partition when the vehicle is moving.**
- **The attachments on the backs of the rear seats must never be used to fit the net partition when the rear seat backs are in their vertical position.**

**NOTICE**

**Incorrect handling of the net partition could cause damage.**

- **Do not release the net partition when lowering it, as the net and other vehicle parts could be damaged. Roll down the net partition by hand.**

## Net partition with the rear seat backs folded down.

✓ Valid for: LEON Sportstourer

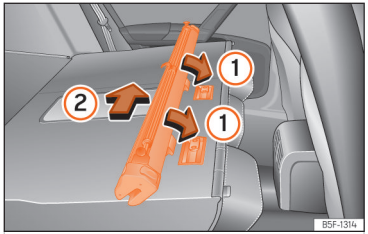


**Fig. 187** Assembling the net partition in the rear seat backrests.

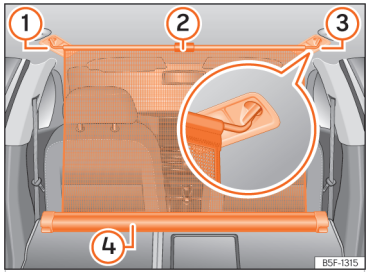


**Fig. 188** In the boot: net partition hooked into the rear seat backrests.

### Fitting the net partition

- Fold the rear seat backrests forward.
- Remove the net partition from the side supports.
- Place the net casing in the rail slots in the direction of the arrows ››› Fig. 187 ①.
- Push the casing towards the left side of the vehicle in the direction of arrow ››› Fig. 187 ② and as far as it will go.
- Check that the net is secure.

### Pulling out and securing the net partition

- Pull up handle ››› Fig. 188 ② to remove the net from the casing ④.
- Hook in the net partition on the right or left side ››› Fig. 188 ③ (magnified image).
- Hook in the net partition into the housing on the other side ››› Fig. 188 ① by pulling the rod.

The net partition is properly assembled when the T-shaped ends are firmly secured in the corresponding housings ››› Fig. 188 ③ and ①.

### Retracting the net partition

- Remove the rod from the housings in the trims of the roof side members.
- Roll up the net into the casing ››› Fig. 188 ④ lowering it with your hand.

### Removing the net partition

- Pull the net casing out approximately 5 cm in the opposite direction to the arrow ››› Fig. 187 ②.
- Remove the casing from the rails by pulling in the opposite direction to the arrows ››› Fig. 187 ①.
- Lift the rear seat backrests.

**WARNING**

**During a sudden driving or braking manoeuvre, or in the event of an accident, objects could be flung though the interior and cause serious or fatal injuries.**

- **Always secure objects, even when the net partition is properly assembled.**
- **There should be nobody behind the assembled partition when the vehicle is moving.**

**⚠ WARNING**

**The rear seat backrests should only be lifted again once the net partition has been disassembled.**

**ⓘ NOTICE**

**Incorrect handling of the net partition could cause damage.**

- **Do not release the net partition when lowering it, as the net and other vehicle parts could be damaged. Roll down the net partition by hand.**

# Luggage compartment equipment

## Fastening rings

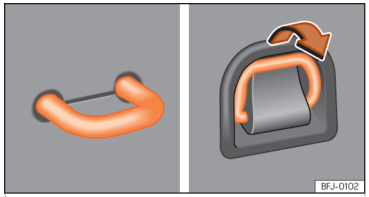


**Fig. 189** In the luggage compartment: fastening rings.

There are fastening rings ››› **Fig. 189** on the front and rear of the boot to secure loose objects and luggage with fastening belts and cords.

**⚠ WARNING**

**If unsuitable or damaged belts or retaining straps are used, they could break in the event of braking or an accident. Objects could then be launched across the passenger compartment and cause serious or fatal injuries.**

- **Always use belts or straps that are suitable and in good condition.**
- **Tighten the belts and straps in a cross layout over the load placed on the boot floor and secure them to the fastening rings safely.**
- **Never exceed the maximum tensile load of the fastening rings when securing objects.**
- **Make sure that, particularly for flat objects, the upper edge of the load is higher than the fastening rings.**
- **Depending on the features, take into account the instruction panels on the boot on how to place the load.**
- **Never secure a child seat to the fastening rings.**

**ⓘ Note**

- **The maximum tensile load that the fastening rings can support is approx. 3.5 kN.**
- **Belts, straps and securing systems for the appropriate load can be obtained from specialised dealerships. SEAT recommends visiting a SEAT dealership for this.**

## Net bag

✓ Valid for: LEON Sportstourer

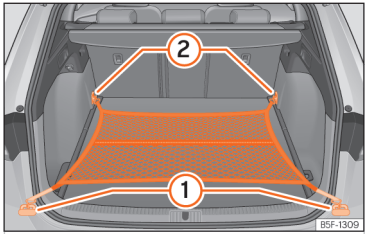


**Fig. 190** In the boot: net bag hooked up at floor level.

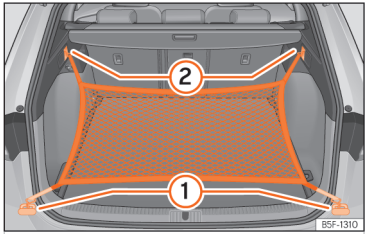


**Fig. 191** In the luggage compartment: rings ① and hooks ② for attaching the net bag.

The luggage compartment prevents light luggage from moving. The net bag has a zip and can be used to store small objects.

The net bag can be hooked up to the luggage compartment in different ways.

### Hooking the net bag into the luggage compartment floor

If necessary, the front eyes must be unfolded first ››› page 299.

- Secure the net hooks to the fastening rings ››› Fig. 190 ① and ② ››› ⚠. The bag zip should be facing upwards.

### Hook the net bag next to the load threshold

- Secure the short net hooks to the fastening rings ››› Fig. 191 ① ››› ⚠. The bag zip should be facing upwards.
- Secure the straps in the bag hooks ②.

### Removing the net bag

The hooked up net bag is taut ››› ⚠.

- Release the net bag from the fastening rings.
- Store the net bag in the luggage compartment.

**⚠ WARNING**

**To secure the elastic net bag on the fastening rings of the boot it must be stretched out. Once hooked up it is taut. If the net bag is hooked up or unhooked incorrectly the hooks could cause injuries.**

- **Always secure the bag hooks properly so that they do not suddenly release from the fastening rings when hooking or unhooking them.**
- **On hooking or unhooking them, protect your eyes and face in case the hooks are released suddenly.**
- **Always hook up the net bag hooks in the described order. Unfastening a hook suddenly can cause injuries.**

## Bag hooks

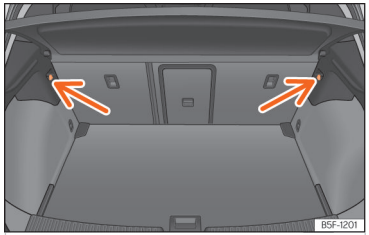


**Fig. 192** In the boot: bag hooks (Leon).

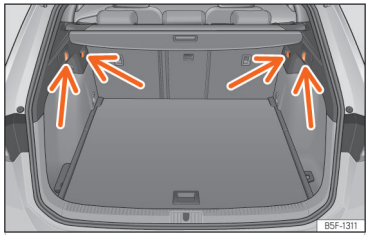


**Fig. 193** In the boot: bag hooks (Leon Sportstourer).

There may be hooks for hanging bags on both sides of the luggage compartment ››› Fig. 192.

The retaining hooks have been designed to secure light shopping bags.

**⚠ WARNING**

**Never use the hooks to hang luggage or other objects. In case of sudden braking or an accident, the hooks could break.**

## Trapdoor for transporting long objects

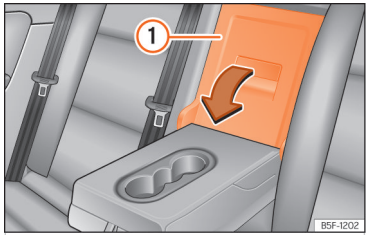


**Fig. 194** On the rear seat backrest: opening the tailboard.

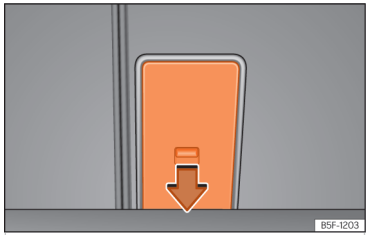


**Fig. 195** In the boot: opening the tailboard.

On the rear seat, behind the central armrest, there is a tailboard for transporting long items in the interior, such as skis.

### Opening the tailboard

- Lower the centre armrest.
- Pull the release lever in the direction of the arrow and push the tailboard cover ››› Fig. 194 (1) down and forwards.
- Open the rear lid.
- Insert the long objects through the gap from the luggage compartment.
- Secure the objects with the seat belt.
- Close the rear lid.

### Closing the tailboard

- Lift the tailboard cover until it engages. The red mark on the luggage compartment side should never be visible.
- Close the rear lid.
- Lift the centre armrest if necessary.

**⚠ WARNING**

**The presence of objects in the central airbag deployment area can prevent it from operating properly and can cause serious injury.**

- **Do not leave any objects in the central airbag deployment zone ›››** **page 58**.

**⚠ WARNING**

- **When the armrest is down, nobody should travel in the centre seat of the rear bench.**
- **Do not use the hatch while driving.**
- **When lowering or raising the hatch, take particular care with your hands and do not trap or damage the seatbelt.**

**ⓘ Note**

**The tailboard can also be opened from the luggage compartment. To do so, press the release lever down, in the direction of the arrow, and the cover upwards ›››** Fig. 195.

# Roof carrier

## Introduction

The vehicle roof has been designed to optimise aerodynamics. For this reason, cross bars or conventional roof carrier systems cannot be secured to the roof water drains.

As the roof water drains are integrated in the roof to reduce air resistance, only SEAT-approved cross bars and roof carrier systems can be used.

**Cases in which cross bars and the roof carrier system should be disassembled.**

- When they are not used.
- When the vehicle is washed in a car wash.
- When the vehicle height exceeds the maximum height, for example, in some garages.

**⚠ WARNING**

- **Always secure the load properly using belts or retaining straps that are suitable and in a good condition.**
- **Bulky, heavy, long or flat loads have a negative effect on aerodynamics, the centre of gravity and driving performance.**
- **Avoid sudden braking and manoeuvres.**
- **Adapt your speed and driving style at all times to suit visibility, weather, road and traffic conditions.**

**NOTICE**

- **Remove the cross bars and the roof carrier system before entering a car wash.**
- **Vehicle height is increased by the installation of cross bars or a roof carrier system and the load secured on them. For this purpose, check that your vehicle's height does not surpass the headspace limit, for example, for underpasses or for entering garage doors.**
- **Cross bars, the roof carrier system and the load secured on them should not interfere with the roof aerial or hamper the path of the panoramic sun roof and the rear lid.**
- **On opening the rear lid make sure that it does not knock into the roof load.**

**For the sake of the environment**

**When cross bars and a roof carrier system are installed, the increased air resistance means that the vehicle uses more fuel.**

## Securing the crossbars and the roof carrier system

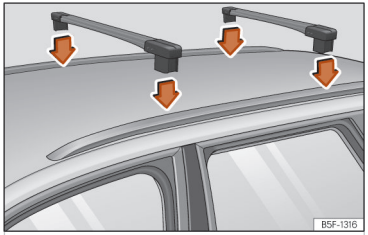


**Fig. 196** Mounting points for the roof bars for the roof rack (Leon Sportstourer).

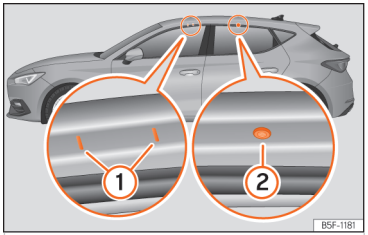


**Fig. 197** Mounting points for the roof bars for the roof rack (Leon).

The crossbars are the basis of a series of special roof carrier systems. For safety reasons, special fixtures must be used to safely transport

luggage, bicycles, skis, surf boards or boats on the roof. Suitable accessories can be acquired at SEAT dealerships.

Always secure the crossbars and the roof carrier system properly. Always take the assembly instructions that come with the crossbars and the roof carrier system in question into account.

### Installing the bars

*Valid for the Leon Sportstourer:* The crossbars are assembled on the roof railings ››› **Fig. 196**. The distance between cross bars (A) should be approx. 75 cm and the distance between the front bars and the front bracket of the side roof bar (B) should be 30 cm.

*Valid for Leon:* The front and rear attachment points (1) and (2) are only visible when the doors are open ››› **Fig. 197**.

**⚠ WARNING**

**Incorrect attachment and use of the cross-bars and the roof carrier system may cause the whole system to detach from the roof and cause an accident and injuries.**

- **Always take the manufacturer assembly instructions into account.**
- **Check threaded joints and attachments travelling and if necessary tighten them after you have travelled a short distance. When making long trips, check the threaded joints whenever you stop for a rest.**
- **Do not modify or repair the crossbars or roof carrier system.**

**Note**

**Always read the assembly instructions that come with the crossbars and the roof carrier system carefully and keep them in the vehi-cle.**

## Loading the roof carrier system

The load can only be secured if the crossbars and the roof carrier system are properly instal-led ››› ⚠.

### Maximum authorised cargo on the roof

The maximum permissible roof load is **50 kg** (Leon) and **75 kg** (Leon Sportstourer). This fig-ure comes from the combined weight of the roof carrier, the cross bars and the load itself on the roof ››› ⚠.

Always check the weight of the roof carrier system, the cross bars and the weight of the load to be transported and weigh them if nec-essary. Never exceed the maximum authorised roof load.

If you are using cross bars and a roof carrier with a lower weight rating, you will not be able to carry the maximum authorised roof load. In this case, do not exceed the maximum weight limit for the roof carrier which is listed in the fitting instructions.

### Distributing a load

Distribute loads uniformly and secure them cor-rectly ››› ⚠.

### Check attachments

Once the cross bars and roof carrier system have been installed, check the bolted connec-tions and attachments after a short journey and subsequently with a certain frequency.

**⚠ WARNING**

- **Never exceed the maximum authorised load on the roof and on the axles or the vehicle's maximum authorised weight.**
- **Never exceed the load capacity of the cross bars and the roof carrier system, even if the maximum authorised roof load has not been reached.**
- **Secure heavy items as far forward as possible and distribute the vehicle load uniformly.**

**⚠ WARNING**

**If the load is loose or not secured, it could fall from the roof carrier system or cause accidents and injuries.**

- **Always use belts or retaining straps that are suitable and in a good condition.**

# Trailer mode

## Introduction

Take into account country-specific regulations about driving with a trailer and the use of a towing bracket.

The vehicle has been developed primarily for carrying people, although it can also be used to tow a trailer if fitted with the corresponding technical equipment. This additional load has an effect on the useful life, fuel consumption and vehicle performance and in some cases can reduce the service intervals.

Driving with a trailer requires more force from the vehicle, and thus more concentration from the driver.

In winter, winter tyres should be fitted on both the vehicle **and** the trailer.

### Maximum vertical load technically permitted on the coupling device

The *maximum* vertical load technically permitted from the trailer draw bar on the towing bracket's tow ball is **80 kg**.

### Vehicles with the Start-Stop system

If the vehicle has a factory-fitted towing bracket or one that is retrofitted by SEAT, the Start-Stop system operates as normal. No special characteristics need to be taken into account.

If the system does not recognise the trailer or the trailer bracket has not been retrofitted by SEAT, the Start-Stop system must be disconnected by pressing the corresponding button in the lower part of the centre console before driving with the trailer, and it should remain off for the rest of the journey ››› ⚠.

### Vehicles with driving profile selection

If you are going to be towing a trailer, the use of the **Eco** driving profile is not recommended. You are advised to select another of the available driving profiles before beginning to drive with a trailer.

### Trailer weight/drawbar load

Never exceed the authorised trailer weight. If you do not load the trailer up to the maximum permitted trailer weight, you can then climb correspondingly steeper slopes.

The maximum trailer weights listed are only applicable for **altitudes** up to 1000 m above sea level. Since higher altitude decreases engine performance and the ability to climb slopes, the tow load decreases proportionally. The weight of the vehicle and trailer combination must be reduced by 10% for every 1000 m of altitude. When possible, operate the trailer with the maximum **authorised drawbar load** on the ball joint of the towing bracket, but **do not exceed** the specified limit.

**⚠ WARNING**

**Never use the trailer to transport people, since it would put their life in danger and is also prohibited.**

**⚠ WARNING**

Undue use of the towing bracket may cause injury and accidents.

- Only use the towing bracket if it is in a perfect state of repair and is properly secured.
- Never modify or repair the towing bracket in any way.
- In order to reduce the danger of injury in the event of rear-end collisions and to avoid injury to pedestrians and cyclists when parking the vehicle, cover or remove the tow hook when you are not using a trailer.
- According to EU regulation 2021_535 it is not permitted to install a towing device that completely or partially covers the rear number plate.
- Never fit a towing bracket "with weight distribution" or "load compensation". The vehicle has not been designed for this type of towing bracket. The towing bracket could fail and the trailer could be released from the vehicle.

**⚠ WARNING**

Driving with a trailer and transporting heavy or large objects can affect driving properties and even cause an accident.

- Always secure the load properly using belts or straps that are suitable and in good condition.
- Adapt your speed and driving style at all times to suit visibility, weather, road and traffic conditions.
- Trailers with a high centre of gravity are more likely to overturn than those with a low one.
- Avoid sudden braking and manoeuvres.
- Take great care when overtaking.
- Reduce speed immediately if you notice that the trailer is swaying, however slightly.
- Never drive at more than 80 km/h (50 mph) when towing a trailer (or at more than 100 km/h (60 mph) in exceptional circumstances). This also applies in countries where driving at higher speeds is permitted. Take into account the speed limit for vehicles with trailers in the corresponding country, as it could be less than the speed limit for vehicles without a trailer.
- Never attempt to "straighten" the towing vehicle and trailer while accelerating.

**⚠ WARNING**

If the towing bracket has been retrofitted by a non-SEAT workshop, the Start-Stop system must be disconnected manually whenever driving with a trailer. Otherwise the brake system could be damaged and could consequently cause a serious accident or injury.

- Always disconnect the Start-Stop system manually when using a towing bracket that has not been fitted by a SEAT workshop.

**Note**

- Before hitching or unhitching a trailer, always deactivate the anti-theft alarm ››› page 105. Otherwise, the tilt sensor could cause the alarm to go off.
- Do not drive with a trailer for the engine's first 1000 km ››› page 162.
- Some retrofitted towing brackets cover the rear towing eye. In these cases, the towing eye should not be used for tow-starting or for towing other vehicles. For this reason, if the vehicle has been retrofitted with a towing bracket, always keep the tow hook in the vehicle when you remove it.

## Technical requirements

Vehicles that are **factory**-equipped with a towing bracket fulfil all the technical and legal requirements for driving with a trailer.

If the **vehicle is retrofitted with a tow bracket**, only a bracket that is authorised for the maximum authorised load of the trailer that is to be towed may be fitted. The towing bracket must be suitable for the vehicle and the trailer and must be properly secured to the vehicle's chassis. Only use a towing bracket that has been authorised by SEAT for this vehicle. Always check and take into account the towing bracket manufacturer's instructions.

### Towing bracket fitted on the bumper

Never fit a towing bracket to the bumper or to the area where the bumper is mounted. The towing bracket should not impair the bumper's function. Do not make modifications or repairs to the exhaust system or the brake system. Make regular checks to ensure that the towing bracket is secure.

### Engine cooling system

Driving with a trailer increases the load on the engine and cooling system. The cooling system should have sufficient coolant and be prepared for the additional effort involved in driving with a trailer.

### Trailer brakes

If the trailer has its own brake system, please take the relevant legal requirements into account. Never connect the trailer's brake system to the vehicle's brake system.

### Tow cable

Always use a cable between the vehicle and the trailer ››› page 306.

### Trailer tail lights

The trailer's rear lights should comply with the statutory safety regulations ››› page 306.

Never connect the trailer's rear lights directly to the vehicle's electric system. If you are not sure that the trailer's electrical connection is correct, have it checked by a specialised workshop. SEAT recommends visiting a SEAT dealership for this.

### Exterior mirrors

If you cannot see the area behind the trailer with the exterior mirrors of the towing vehicle, additional mirrors will have to be installed in accordance with the regulations of the country in question. The exterior mirrors should be adjusted before you start driving and must provide a sufficient field of vision at the rear.

**⚠ WARNING**

**If the towing bracket is wrongly fitted or is not the right one, the trailer could become detached from the vehicle and cause serious injury.**

**ⓘ NOTICE**

- **If the rear lights of the trailer are not correctly connected, the vehicle's electronic system may be damaged.**
- **If the trailer absorbs excessive electric current, the vehicle's electronic system may be damaged.**
- **Never connect the trailer's electric system directly to the electrical connections of the tail lights or any other power sources. Only use the connections intended for providing electric current to the trailer.**

## Hitching and connecting a trailer

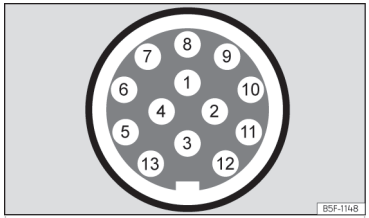


**Fig. 198** Diagram: assignment of the pins of the trailer's electrical socket.

| Pin | Meaning |
|---|---|
| 1 | Left turn signal |
| 2 | Rear fog light |

| Pin | Meaning |
|---|---|
| 3 | Earth for pins 1, 2, 4, 5, 6, 7 and 8 |
| 4 | Right turn signal |
| 5 | Rear light, right |
| 6 | Brake lights |
| 7 | Rear light, left |
| 8 | Reverse lights |
| 9 | Permanent live |
| 10 | Live charge cable |
| 11 | Earth for pin 10 |
| 12 | Unassigned |
| 13 | Earth for pin 9 |

### Power socket for trailer

The vehicle is fitted with a 13-pole power socket for the connection between the trailer and the vehicle. With the engine running, electrical devices on the trailer receive power from the electrical connection (pin 9 and pin 10 of the trailer power socket).

If the system detects that a trailer has been connected, the consumers on the trailer will receive electricity through this connection (pins 9 and 10). Pin 9 has a permanent live. This powers, for example, the trailer's interior lighting. Electrical devices such as a fridge in a caravan **only** receive electrical power if the engine is running (through pin 10).

To avoid overloading the electrical system, you cannot connect the ground wires of pin 3, pin 11 or pin 13.

If the trailer has a **7-contact connector**, you will need to use an adapter cable. In this case the function corresponding to pin 10 will not be available.

### Tow cable

The tow rope must always be securely fixed to the towing vehicle and loose enough so that the vehicle can handle turns smoothly. However, make sure that the cable does not rub on the ground while driving.

### Trailer tail lights

Always check the trailer's rear lights to ensure they are working correctly and that they comply with the relevant safety regulations. If you connect the trailer to the factory-mounted system, when you turn on the rear fog lamp, the fog lamp of the towing vehicle will turn off to turn on the trailer fog lamp.

### Include in the anti-theft alarm

The trailer is included in the anti-theft system if the following conditions are met:

- If the vehicle is factory-equipped with an anti-theft alarm.
- If the vehicle is factory-equipped with a tow bracket.
- If the trailer is electrically connected to the towing vehicle through the trailer power socket.
- If the electrical systems of the vehicle and trailer are in perfect condition and have no faults or damage.
- If the vehicle is locked with the key and the anti-theft alarm is activated.

When the vehicle is locked, the alarm is triggered if the electrical connection with the trailer is cut off.

Before hitching or unhitching a trailer, always turn off the anti-theft alarm. Otherwise, the tilt sensor could cause the alarm to go off.

### Trailers with LED tail lights

For technical reasons, trailers fitted with LED rear lights cannot be connected to the anti-theft alarm system.

When the vehicle is locked, the alarm does not go off when the electrical connection with the trailer is cut if it has rear lights with light-emitting diodes.

**⚠ WARNING**

If the cables are improperly or incorrectly connected, it may lead to an excessive amount of current supplied to the trailer, which can cause abnormalities in the entire vehicle electronic system, as well as accidents and serious injuries.

- Ensure that any repairs that need to be carried out on the electrical system are carried out by a specialised workshop.
- Never connect the trailer's electric system directly to the electrical connections of the tail lights or any other power sources.

**⚠ WARNING**

Contact between the pins of the trailer power socket can cause short circuits, overloading of the electrical system or failure of the lighting system, and consequently can cause accidents and serious injuries.

- Never connect the pins of the trailer power socket to each other.
- Make sure any work on bent pins is carried out by a specialised workshop.

**NOTICE**

Do not leave the trailer connected to the vehicle when parked; place it on its support wheel or its supports. If the vehicle rises or falls due, for example, to a variation of the load or a burst tyre, increased pressure will be placed on the towing bracket and the trailer, and both the vehicle and the trailer can be damaged.

**Note**

- In case of anomalies in the electrical systems of the vehicle or trailer, as well as in the anti-theft alarm system, have them inspected by a specialised workshop.
- If the trailer accessories consume energy through the power socket to the trailer and the engine is turned off, the battery will discharge.
- If the vehicle battery is running low, the electrical connection with the trailer will be automatically cut.

## Trailer loading

### Technically permissible maximum trailer weight and vertical load on the coupling device

The technically permissible maximum trailer weight is the weight that the vehicle can tow ››› ⚠. The vertical load on the coupling is exerted vertically from above on the hook of the towing bracket.

The information on the maximum trailer weight and vertical load on the coupling device contained in the type plate of the towing bracket are experimental values only. The correct figures for your specific model, which may be lower than these figures, are given in the vehicle documentation. The information in the vehicle documentation takes precedence at all times.

To promote safety while driving, SEAT recommends making the most of the maximum vertical load technically permissible on the coupling device ››› page 304. An insufficient vertical load has a negative influence on the behaviour of both the vehicle and trailer.

The vertical load increases the weight on the rear axle, reducing the vehicle's carrying capacity.

### Gross combination weight of the towing vehicle and trailer

The gross combination weight is the actual weight of the loaded vehicle plus the actual weight of the loaded trailer.

In some countries trailers are classified into distinct categories. SEAT recommends obtaining information from a specialised workshop regarding which type of trailer is most suitable for your vehicle.

### Trailer loading

The weight of the towing vehicle and trailer must be balanced. In order to do this, the load must be as close as possible to the maximum vertical load technically permissible on the coupling point, and it must be evenly distributed between the back and front of the trailer:

- Distribute loads in the trailer so that heavy objects are as near to the axle as possible or above it.
- Secure the trailer load properly.

### Tyre pressure

Set the tyre pressure of the trailer tyres in accordance with the trailer manufacturer's recommendations.

When towing a trailer, inflate the tyres of the towing vehicle with the maximum allowable pressure ››› page 360.

**⚠ WARNING**

**If the maximum permissible axle weight, the maximum load technically permissible on the coupling point, the maximum authorised vehicle weight or the gross combination weight of the towing vehicle and trailer are exceeded, accidents and serious injuries may occur.**

- **Never exceed the indicated values.**
- **The actual weight on the front and rear axles must never exceed the maximum permissible axle weight. The weight on the front and rear axles must never exceed the maximum permissible weight.**

**⚠ WARNING**

**A shift in weight could jeopardize the stability and security of the towing vehicle and trailer, which could lead to accidents and serious injuries.**

- **Always load the trailer correctly.**
- **Always secure the load properly using belts or straps that are suitable and in good condition.**

## Driving with a trailer

### Adjusting the headlights

The front part of the vehicle may be raised when the trailer is connected and the light may dazzle the rest of the traffic.

### Specific features of driving with a trailer

- If your trailer has an **overrun brake**, brake *gently at first* and then rapidly. This will prevent the jerking that can be caused by the locking of trailer wheels.
- Due to the gross combination weight of the towing vehicle and trailer, the braking distance increases.
- When going down a slope, engage a lower gear (with a manual gearbox, or use the automatic gearbox's tiptronic mode) to use engine braking. Otherwise, the brake system could overheat and even fail.
- The trailer weight, as well as the gross combination weight of the towing vehicle and trailer, change the centre of gravity and the properties of the vehicle.
- If the towing vehicle is empty and the trailer is loaded, then the load distribution is incorrect. Under these conditions, drive slowly and with extra caution.

### Hill starts with a trailer

Depending on the slope of the hill and the combination weight of the towing vehicle and trailer, the vehicle might start rolling backwards slightly when you first start up.

For hill starts with a trailer hitched:

- Press and hold the brake pedal.
- Press the (P) button to disconnect the electronic parking brake ››› page 223.

- *Manual gearbox:* Depress the clutch pedal fully and engage 1st gear.

*Automatic gearbox:* Move the selector lever to the **D/S** position.

- Pull out the button and hold it in that position to stop the towing vehicle and trailer with the electronic parking brake.
- Release the brake pedal.
- Move off slowly.

*Manual transmission:* release the clutch pedal slowly.

- Do not release the button until the engine has sufficient power to start driving.

**⚠ WARNING**

**If a trailer is pulled incorrectly, this may lead to loss of control of the vehicle and serious injury.**

- **Driving with a trailer and transporting heavy or large objects will change the vehicle handling and braking distances.**
- **Always drive cautiously and carefully. Brake earlier than usual.**
- **Adapt your speed and driving style at all times to suit visibility, weather, road and traffic conditions. Slow down, especially when driving down hills or slopes.**
- **Accelerate with particular care and caution. Avoid sudden braking and manoeuvres.**
- **Take great care when overtaking. Reduce speed immediately if you notice that the trailer is swaying, however slightly.**
- **Never attempt to "straighten" the towing vehicle and trailer while accelerating.**
- **Take into account the speed limit for vehicles with a trailer, as it could be lower than for vehicles without a trailer.**

## Stabilisation of the towing vehicle and trailer combination

The stabilisation of the vehicle and trailer combination is an additional function of the electronic stability control (ESC).

If the system detects that the trailer is weaving, it intervenes to reduce the swaying of the trailer.

### Vehicle and trailer combination stabilisation requirements

- The vehicle is factory-equipped with a towing bracket or has been retro-fitted with a compatible towing bracket.
- The ESC and TCS are active. The control lamp or OFF is not lit up on the instrument cluster.
- The trailer is connected to the towing vehicle through the trailer power socket.
- The vehicle is travelling at over 60 km/h (approx. 37 mph).
- The maximum vertical load technically permissible is not being exceeded on the coupling device.
- The trailer has a rigid draw bar.
- If the trailer has brakes, it must be equipped with a mechanical overrun brake.

**⚠ WARNING**

**The enhanced safety provided by the electric stability control of the vehicle and trailer should not lead you to take any risks that could compromise your safety.**

- **Adapt your speed and driving style at all times to suit visibility, weather, road and traffic conditions.**
- **Accelerate with caution when the road is slippery.**
- **When adjusting any settings, stop accelerating.**

**⚠ WARNING**

**The electric stability control for the vehicle and trailer may not correctly detect all driving conditions.**

- **When the ESC is switched off, the stabilisation of the towing vehicle and trailer is also switched off.**
- **The stability system does not always detect light trailers, so it may not stabilise these correctly.**

- **When driving on surfaces with poor grip, the trailer can even interfere with the stability system.**
- **Trailers with a high centre of gravity can tip over without having previously weaved.**
- **If a trailer is not attached, but a connector is plugged into the power socket (e.g. installation of a bicycle rack with lights), repeated automatic braking may occur in extreme driving conditions.**

## Electrically unlocking trailer hook

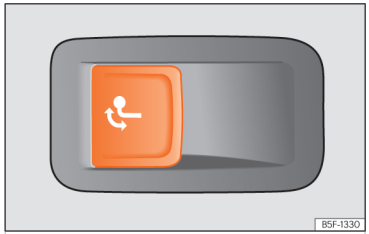


**Fig. 199** Left side of the luggage compartment: button to unlock the tow hitch.

The hook of the towing device is located in the bumper and cannot be removed.

There should be no person, animal or object in the path of the tow hook ››› ⚠.

### Unlocking the tow hook and removing it

- Stop the vehicle and connect the electronic parking brake ››› page 223.
- Switch off the engine.
- Open the rear lid.
- Pull the ››› Fig. 199 button briefly. The tow hook unlocks electrically and automatically turns outwards. The button's control lamp flashes.
- Finish remove the tow hook by hand until you feel and hear that it has engaged and the control lamp on the button stays on.
- Close the rear lid.
- Hitching and connecting a trailer ››› page 306.

### Retracting the tow hook

- Stop the vehicle and apply the electronic parking brake.
- Switch off the engine.
- Unhook the trailer and interrupt the electrical connection between it and the vehicle. If you are using an adapter, remove it from the trailer's power socket.
- Open the rear lid.
- Pull the ››› Fig. 199 button briefly. The tow hook unlocks electrically.
- Turn the tow hook under the bumper with your hand until you feel and hear that it engages and the control lamp on the button remains on continuously.
- Close the rear lid.

### The button's control lamp

- *Flashing:*
  This means that the tow hook has not yet engaged correctly or is damaged ››› ⚠.
- *Remains on:*
  If it remains on while the rear lid is open, the tow hook is correctly in place both when extracted and when covered.

The button's indicator lamp switches off approximately 1 minute after closing the rear lid.

**⚠ WARNING**

**Undue use of the towing bracket may cause injury and accidents.**

- **Only use the tow hook if it is properly engaged.**
- **Always ensure that no person, animal or object is to be found in the path of the tow hook.**
- **Never use a tool or instrument while the tow hook is moving.**
- **Never press the button ››› Fig. 199 when there is a trailer hooked to the vehicle or when a carrier system or other accessories are mounted on the tow hook.**

- If the tow hook is not attached properly, do not use it. Instead, go to a specialised workshop and have the towing bracket checked.
- If you detect any fault in the electrical system or in the towing bracket, contact a specialised workshop and ask them to check it.
- If the ball has a diameter of less than 49 mm at any one point, do not use the towing bracket under any circumstances.

**NOTICE**

If you clean the vehicle with high-pressure or steam devices, do not point the jet directly towards the retractable tow hook or the trailer power socket, as this may damage the joints or remove the grease necessary for lubrication.

**Note**

At extremely low temperatures, the tow hook may be impossible to operate. In this case, place the vehicle in a warmer location (for example, a garage).

## Installing a rear carrier system or a bicycle rack on the trailer hitch

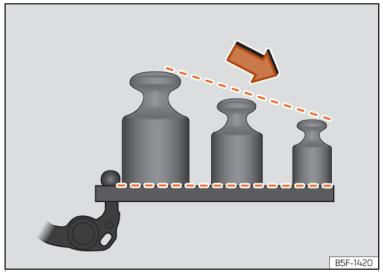


**Fig. 200** Recommended weight distribution on the rear support system.

Examples of rear carrier systems are bicycle racks or multi-purpose boxes that are installed on the trailer hitch.

Only use rear carrier systems that have been specified by the respective manufacturer for the vehicle model, model year and version of the vehicle in question ››› ⚠.

SEAT recommends the use of genuine SEAT spare parts and accessories, which can be purchased from the brand's dealers. Install the rear carrier system according to the manufacturer's installation instructions.

The load capacity results from the weight of the rear carrier system and the weight of the load carried on it.

The recommended maximum load capacity of the rear carrier system installed on the trailer hitch may be different from the maximum vertical load on the specific vehicle coupling.

However, it is not permitted to exceed the maximum permitted vertical load on the tow hitch (which depends on the model).

The load capacity is reduced due to the lever effect that occurs the further the carrier system is from the ball head.

Place heavy objects as close as possible to the trailer hitch ››› **Fig. 200**.

### Maximum load capacity depending on the vehicle

To find out the recommended load capacity for your vehicle, check the maximum vertical load on its coupling ››› **page 393**. Please refer to the following table for the load capacity.

In accordance with the UN-R-55 guideline, SEAT recommends not carrying more bicycles than recommended on the rear rack system.

| Maximum vertical load on the vehicle's specific coupling | Maximum load capacity | Number of bicycles |
|---|---|---|
| 50 kg | 50 kg | 2 |
| 55 kg | 55 kg | 2 |
| From 75 kg | 75 kg | 3 |

### Maximum load overhang of the rear carrier system

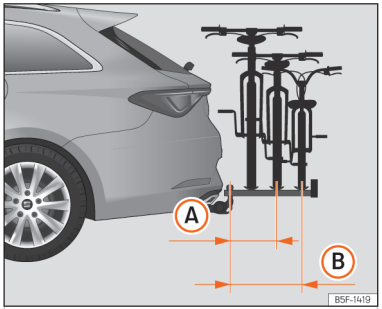


**Fig. 201** Schematic representation of the maximum load overhang of a bicycle rack for two or three bicycles.

Ⓐ With up to 55 kg load capacity: 500 mm (approx. 19.7 in)

Ⓑ With 75 kg load capacity: 700 mm (approx. 27.6 in)

The maximum overhang shall not exceed 500 mm from the centre of the ball head to the to the centre of the rail of the last support ››› **Fig. 201** Ⓐ for two-bicycle racks. In the case of three-bicycle racks, the overhang must not exceed 700 mm ››› **Fig. 201** Ⓑ.

**⚠ WARNING**

**The incorrect use of a rear carrier system installed on the tow hook can cause accidents and injury.**

- **Make sure that the carrier system is suitable for your vehicle.**
- **Read and observe the installation instructions of the rear carrier system manufacturer.**
- **Never attach a rear carrier system below the ball head of the trailer hitch. The system could slip due to the shape of the hitch.**

**Note**

**Before setting off, SEAT recommends removing, to the extent possible, all accessories from the load attached to the carrier system. Examples of these accessories are baskets and panniers, child seats or batteries. This improves the aerodynamics and centre of gravity of the rear carrier system.**

## Retrofitting a towing bracket

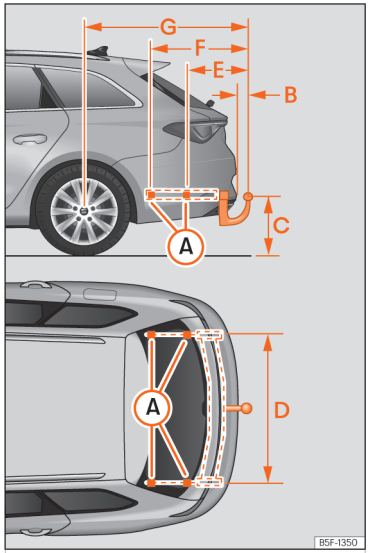


**Fig. 202** Limits and attachment points for retrofitting a towing bracket.

**Distance measurements** (measurements can vary depending on the different chassis combinations):

Ⓐ Mounting points on the vehicle

Ⓑ 65 mm (minimum)

Ⓒ 350 mm to 420 mm (fully laden vehicle)

Ⓓ 1043 mm

Ⓔ 344 mm / 333 mm (PHEV)

Ⓕ 564 mm / 553 mm (PHEV)

Ⓖ 885 mm (Leon) / 874 mm (Leon PHEV) / 1.162.5 mm (Leon Sportstourer) / 1.151.5 mm (Leon Sportstourer PHEV)

SEAT recommends that towing brackets be retrofitted at a specialised workshop. For example, it may very well be necessary to adjust the cooling system or mount thermal protection plates. SEAT recommends visiting a SEAT dealership for this.

If a towing bracket is retrofitted, the distance specifications should always be kept in mind.

The distance between the centre of the ball head and the road ››› Fig. 202 Ⓒ must never be less than that indicated. This also applies when the vehicle is fully loaded, including the technically permissible maximum vertical load on the coupling device.

**⚠ WARNING**

**If the cables are improperly or incorrectly connected, this may lead to malfunctions in the entire vehicle electronic system, as well as to accidents and serious injuries.**

- **Never connect the trailer's electric system to the electrical connections of the tail lights or any other unsuitable power sources. Only use suitable connectors to connect the trailer.**
- **The towing bracket should be retrofitted only at a specialised workshop.**

**⚠ WARNING**

**If the towing bracket is badly fitted or unsuitable, the trailer may separate from the vehicle while driving. This could cause serious accidents and fatal injuries.**

**Note**

- **According to regulation EU2021_535 it is not permitted to install a towing device that cannot be removed or retracted.**
- **Only use towing brackets that have been approved by SEAT for the model in question.**
- **In some versions, the fitting of a conventional towing hook solution is not recommended. Please consult your Technical Service.**

# Fuel and exhaust gas cleaning

## Refuelling

### Safety warnings regarding fuel handling

**⚠ WARNING**

Fuel is highly flammable and can cause serious burns and other injuries.

- When refuelling, turn off the engine and turn off the ignition for safety reasons.
- The fuel system of PHEV models is pressurized to prevent petrol vapours from escaping into the atmosphere.
- Do not smoke when filling the fuel tank or a canister. Naked flames are forbidden in the vicinity due to the risk of explosion.
- Observe legislation governing the use, storage and carrying of a spare fuel canister in the vehicle.
- For safety reasons we do not recommend carrying a spare fuel canister in the vehicle. In an accident the canister could be damaged and could leak.
- If, in exceptional circumstances, you have to carry a spare fuel canister, please observe the following points:
  - Never fill fuel into the spare fuel canister if it is inside or on top of the vehicle. This could cause an explosion. Always place the canister on the ground to fill it.
  - Insert the filling nozzle as far as possible into the spare fuel canister.
  - If the spare fuel canister is made of metal, the filling nozzle must be in contact with the canister during filling. This helps prevent an electrostatic charge building up.
  - Never spill fuel in the vehicle or in the luggage compartment. Fuel vapour is explosive. Risk of fatal accident!

**NOTICE**

- If any fuel is spilt onto the vehicle, it should be removed immediately. It could otherwise damage the paintwork.
- Never run the tank completely dry. The catalytic converter can be damaged.
- When filling the fuel tank after having run it completely dry on a vehicle with a diesel engine, the ignition must be switched on for at least 30 seconds before starting the engine. When you then start the engine it may take longer than normal (up to one minute) to start firing.

**For the sake of the environment**

Do not overfill the fuel tank, it may cause the fuel to overflow if it becomes warm.

**Note**

There is no emergency mechanism for the manual release of the fuel tank flap. If necessary, request assistance from specialised personnel.

**Note**

Diesel vehicles are fitted with a protective device that prevents the insertion of the wrong fuel hose[1]. It is only possible to refuel with Diesel nozzles.

- If the pump nozzle is worn, damaged, or if it is very small, it is possible that it will not be able to open the protective device. Before trying to insert the pump nozzle by turning it, try a different pump or request specialist help.
- If you fill the tank from a reserve fuel canister, the protective device will not open. One way to resolve this is to pour the fuel in very slowly.

[1] Depending upon country.

## Refuelling

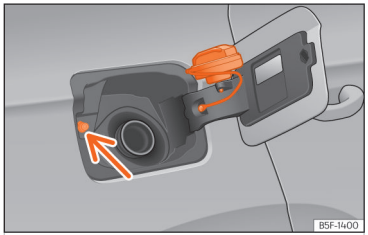


**Fig. 203** Fuel tank flap with tank cap attached.

The fuel tank flap is on the rear right of the vehicle.

- The tank flap is unlocked when the car is unlocked using the central locking remote control ››› page 100.

*Hybrid vehicles:* Use the button on the driver's door to release the tank flap ››› page 316.

- Open the fuel tank flap by pressing on the retainer zone.
- Unscrew the cap by turning it to the left.
- Place it in the space on the hinge of the open flap ››› Fig. 203.
- Start refuelling. The tank is full as soon as the pump's automatic nozzle cuts off the fuel supply. Do not try to put in more fuel after the nozzle cuts out, as this will fill the expansion chamber in the fuel tank.
- Unscrew the cap by turning it to the right as far as it will go.
- Close the lid.

The correct fuel grade for your vehicle is given on a sticker on the inside of the fuel tank flap. Further notes on fuel can be found at ››› page 317.

The capacity of your vehicle's fuel tank is given in ››› page 393.

### Hybrid vehicles

Every 6 months it is necessary to run on petrol until the control lamp switches off and then the tank must be refilled. This is necessary to ensure that the system works properly, as well as the fuel quality required for driving with petrol.

## Purging the fuel tank

✓ Valid for: hybrid vehicles.

**Fig. 204** Driver's door: tank cover release.

Before refuelling the fuel system must be depressurised ››› ⚠ in *Safety warnings regarding fuel handling* on page 315. To do this, press the button on the driver's door.

An audible sound will be played and a warning will be displayed on the instrument cluster display.

After a few seconds the fuel tank flap will unlock and remain unlocked for a few minutes. If you have not refuelled after this time, you must press the button again before refuelling.

Avoid touching the fuel tank flap lock button ››› Fig. 203 (arrow). The system will interpret that you have finished and cannot continue refuelling. Press the button on the driver's door again to continue.

# Fuel types

## Identification of fuels[1)]

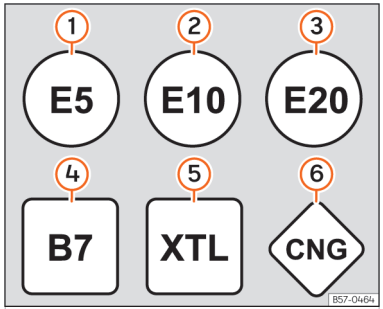


**Fig. 205** Identification of fuels according to European Union (EU) Directive 2014/94/EU

Fuels are identified by different **symbols on the pump and on your vehicle's tank flap**. This identification avoids confusion when selecting the fuel

1. Means **petrol** with a maximum of 5% **E**thanol.
2. Means **petrol** with a maximum of 10% **E**thanol.
3. Means **petrol** with a maximum of 20% **E**thanol.
4. **Diesel** according to EN590 standard. The number indicates the maximum percentage of Biodiesel in the fuel. "B7" means a maximum of 7% Biodiesel.
5. Synthetic **diesel** according to EN15940 standard.
6. **Natural gas**: "CNG" means **C**ompressed **N**atural **G**as

## Type of petrol

The correct grade of petrol is listed inside the fuel tank flap.

The vehicle is equipped with a catalytic converter and must only be run on **unleaded petrol**. The petrol must comply with the standard EN 228 and be **sulphur-free**. Follow the regulations of the country you are driving in. The types of petrol are differentiated by using the **octane numbers (RON)** or via the **anti-knock index (AKI)**.

### Super unleaded petrol 95 octane petrol or normal 91 octane petrol at least

We recommend refuelling with super 95 octane petrol (91 AKI). If not available, normal 91 octane petrol (87 AKI) (with a slight power loss) may be used.

### Super unleaded petrol, 95 octanes at least

You should use super 95 octane petrol (91 AKI) at least.

If super petrol is not available, if necessary, use normal 91 octane petrol (87 AKI). In this case only use moderate engine speeds and a light throttle. Refuel with super as soon as possible.

### Unleaded super plus 98 octane petrol or super 95 octane petrol at least

We recommend refuelling with super plus 98 octane petrol (93 AKI). If not available: super 95 octane petrol (91 AKI) (with a slight power loss).

If super petrol is not available, if necessary, use normal 91 octane petrol (87 AKI). In this case only use moderate engine speeds and a light throttle. Refuel with super as soon as possible.

**NOTICE**

- **Fuels with a high percentage of ethanol, e.g. E30 - E100 button must not be used. The fuel system would be damaged.**
- **A single refuelling with leaded fuel or other metal additives entails a permanent deterioration of the effectiveness of the catalytic converter.**
- **Only use fuel additives that have been approved by SEAT. The products that contain substances to increase the octane rating or**

[1)] Depending on the country.

**decrease knocking may contain metal additives that damage the engine and catalytic converter. This type of products must not be used.**

- **Do not use fuels shown in the pump as containing metals. LRP (*lead replacement petrol*) fuels contain high concentrations of metal additives. Risk of engine damage!**
- **High engine speed and full throttle can damage the engine when using petrol with an octane rating lower than the correct grade for the engine.**

**Note**

- **Fuel with an octane rating higher than the one required by the engine can be used.**
- **In countries in which there is no sulphur-free fuel, it is also allowed to use low sulphur content fuel.**

## Ethanol fuel

✓ Valid for: vehicles with Totalflex engines

You can recognise vehicles with Totalflex engines[1] by label on the fuel tank lid with the marking "Petrol/ethanol".

Vehicles with Totalflex engine can run with unleaded petrol (95 octane / 91 AKI) according to ANP No. 57 and with fuels with any high percentage of ethanol. The vehicle is refuelled in the same way as petrol refuelling.

Also consider that ››› page 317, *Type of petrol*.

**Note**

**SEAT recommends filling the tank exclusively with petrol every 10,000 km to decrease impurities that using E100 ethanol fuel might have left in the engine.**

## Diesel

✓ Valid for: vehicles with diesel engines

Please note the information on the inside of the fuel tank flap.

The diesel can thicken at very low temperatures, thus affecting the start or operation of the engine. Ask your service station attendant if their diesel is suitable for winter use.

### Water in the fuel filter[2]

If your vehicle has a diesel engine and is equipped with a **fuel filter with a water separator**, the instrument panel may display the following warning:

**Water in the fuel filter.**

If this is the case, take the vehicle to a specialised workshop so that they can drain the fuel filter.

**NOTICE**

- **Never use of FAME (biodiesel that does not meet the EN590 standard), petrol, heating oil, other fuels or thinning agents as they can cause severely damage the fuel system and the engine.**
- **If the wrong fuel has been filled, do not start the engine under any circumstances. Risk of damaging the fuel system and the engine! Seek professional assistance.**

# AdBlue®

## Information about AdBlue®

AdBlue® consumption depends on your personal driving style, the temperature of the system and the outdoor temperature when the vehicle is used.

AdBlue® freezes at temperatures of -11 °C (+13°F). The system has heating elements that guarantee its operation even at low temperatures.

[1] This motor is only available in some markets.

[2] Depending upon country.

When the **range is less than 2,000 or 2,400 km (1,200 or 1,500 miles)**, depending on the version, a message appears on the instrument panel display requesting AdBlue refuelling®.

If this message is ignored, the yellow warning lamp will come on when the **remaining range is less than 1000 km.** The indication that in XXX km (XXX miles) it will no longer be possible to restart the engine will appear on the instrument cluster display.

If the yellow indicator lamp is ignored, when a **remaining range of 0 km (0 miles)** is displayed, it will no longer be possible to restart the engine. The red warning lamp will light up .

AdBlue® is a registered trademark of the German Association of the Automotive Industry (VDA) and is also known as AUS32 or DEF (Diesel Exhaust Fluid).

**NOTICE**

**Overfilling with AdBlue® can cause damage to the tank system.**

## Fill AdBlue®

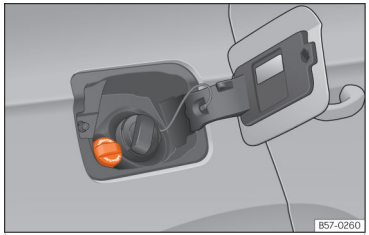


**Fig. 206** AdBlue tank cap®.

### Operations prior to refilling

Park the vehicle on a flat surface and turn off the ignition. If the vehicle is on a slope or on a curb, the level indicator may not detect the refill properly.

If an AdBlue® warning message is shown on the instrument cluster display, **fill with at least the minimum required amount (approx. 5 litres)**. Only after adding this amount will the system detect that AdBlue® has been added and you will be able to start the engine again.

### Fill with a refill bottle

**Only use AdBlue® that complies with the ISO 22241-1 standard.**

- Only use original containers.
- Open the tank cover ››› Fig. 206.
- Unscrew the tank cap by turning it in an anti-clockwise direction.
- Please observe the manufacturer's instructions, indicated on the refill bottle.
- Check the expiry date.
- Remove the cap of the refill bottle.
- Insert the neck of the bottle in the tank filler neck vertically and screw the bottle on by hand, by turning it in a clockwise direction.
- Press the refill bottle in the direction of the filler neck and hold it in this position.
- Wait until the contents of the refill bottle have been poured into the AdBlue® tank. Do not compress or break the bottle!
- Turn the bottle in a counter-clockwise direction and gently pull it upwards ››› page 320.
- The AdBlue® tank is full when no more liquid comes out of the bottle.
- Screw on the tank cap in a clockwise direction until it is tightly closed.
- Close the fuel tank flap.

### Refilling AdBlue® at the dispenser

*Valid for vehicles with selective catalytic reduction.*

- Open the tank cap.
- Turn the SCR tank cap anti-clockwise ››› Fig. 206.

- Fill with AdBlue® until the nozzle stops for the first time.
- Close the SCR tube by turning it clockwise until you hear a click.

### Operations before driving

- After refilling the tank, only switch on the ignition.
- Leave the ignition on for at least 30 seconds for the system to detect the fluid load.
- Make sure you wait for at least 30 seconds before starting the engine!

**⚠ WARNING**

**AdBlue® should only be stored in its original container, which should be tightly closed and kept in a safe place.**

**ⓘ NOTICE**

- **When refilling, the nozzle grip should be aligned downward. Otherwise the nozzle will not connect automatically.**
- **Do not try to add any more additive after the nozzle has stopped for the first time. The AdBlue® tank could overflow and AdBlue® could spill out.**
- **Only use AdBlue® that complies with the ISO 22241-1 standard. Only use original containers.**

- **Never mix AdBlue® with water, fuel or additives. Any type of damage caused by such a mixture will not be covered by the warranty.**
- **Never pour AdBlue® into the fuel tank! This could result in engine damage.**
- **Do not carry the refill bottle inside the vehicle. If there is a leak (due to temperature changes or damage to the bottle), the AdBlue® may damage the vehicle's interior.**

**For the sake of the environment**

**Dispose of the refill bottle in an environment-friendly manner.**

**Note**

**Suitable AdBlue® refill bottles can be purchased from SEAT dealerships.**

## Troubleshooting

### AdBlue® level too low

The indicator lamp lights up red. **The engine cannot be restarted!**

Stop the vehicle in a suitable, safe and flat area then top up with the minimum required quantity of AdBlue® ››› page 319.

### together with : Fault in the AdBlue system®

The indicator lamps light up red. **The engine cannot be restarted!**

Go to a specialised workshop and get the system checked.

### The AdBlue® reserve is low

The indicator lamp lights up yellow.

To up AdBlue® within the number of kilometres (or miles) that are indicated ››› page 319.

### together with : Fault in the AdBlue® system.

The control lamps light up yellow. There is a fault in the AdBlue® system or non-conforming AdBlue® fluid has been added. Go to a specialised workshop and get the system checked.

# Engine management and emissions control system

## Introduction

**⚠ WARNING**

**Due to the high temperatures reached by the exhaust gas scrubbing system, you should not park your vehicle near a surface that can catch fire easily. Fire hazard!**

**⚠ WARNING**

**Do not apply wax underneath the vehicle around the area of the exhaust system: Fire hazard!**

## Catalytic converter

**To maintain the useful life of the catalytic converter**

- Only use unleaded petrol with petrol engines.
- Never run the fuel tank dry.
- When changing or adding engine oil, do not exceed the necessary amount ››› page 346, *Checking and topping up the engine oil level*.
- Never tow the vehicle to start it, use jump leads if necessary ››› page 325.

If you should notice misfiring, uneven running or loss of power when the car is moving, have the vehicle inspected by a specialised workshop. In general, the emissions warning lamp will light up when any of these symptoms occur. If this happens, any unburnt fuel can enter the exhaust system and escape into the atmosphere. The catalytic converter can also be damaged by overheating.

**NOTICE**

**Never run the fuel tank completely dry because an irregular fuel supply can cause ignition faults. This allows unburnt fuel to enter the exhaust system, which could cause overheating and damage the catalytic converter.**

**For the sake of the environment**

**Even when the emission control system is working perfectly, there may be a smell of sulphur from the gases on occasions. This depends on the sulphur content of the fuel used. This can quite often be avoided by changing to another brand of fuel.**

## Particulate filter

*Valid for: vehicles with petrol or diesel particulate filters*

The particulate filter eliminates most of the soot from the exhaust gas system. Under normal driving conditions the filter cleans itself. If the filter does not clean itself (e.g. if short journeys are made continuously), it becomes blocked with soot and the following indication is displayed to the driver:

**Particulate filter: cleaned while the vehicle is moving. See Manual.**

The particulate filter needs cleaning (regeneration).

**Regeneration of the petrol and diesel particulate filter[1]**

*Requirements for the regeneration journey:* the engine is at operating temperature.

- Drive at a speed of between 50120 km/h (31-75 mph). This increases the temperature and burns the soot in the filter ››› page 322.
- Consider the legal speed limits as well as the recommended gears.
- End the regeneration journey once the control warning lamp has gone out.

If the warning lamp stays on after 30 minutes of running in regeneration mode, have a specialised workshop repair the fault.

**Regeneration of the particulate filter (only for 2.0l TSI petrol engines)**

*Requirements for the regeneration journey:* the engine is at operating temperature.

- Drive at a speed of at least 80 km/h ››› page 322.
- Completely remove your foot from the accelerator pedal for a few seconds to let the vehicle roll with the gear engaged.
- Consider the legal speed limits as well as the recommended gears.
- Repeat this procedure (accelerate and let roll) until the control lamp turns off.

[1] Except 2.0l TSI petrol engines.

This procedure involves an autonomous particulate filter cleaning process and may take some time.

If the warning lamp **does not turn off**, go immediately to a specialised workshop to repair the fault.

**⚠ WARNING**

**Always adjust your speed to suit the weather conditions, roads, braking distance and traffic if the particulate filter is in its regeneration phase. Route recommendations should never make you disregard each country's specific traffic regulations.**

**Note**

**If during the particulate filter regeneration process you also get a fuel reserve warning, the process may be interrupted. Refuel and continue with the particulate filter regeneration process.**

**NOTICE**

- **When the exhaust system detects that the particulate filter is close to saturation, the self-cleaning function of this system recommends optimal driving for this function.**
- **Due to the high temperatures caused by the regeneration of the particulate filter, it is possible that the radiator fan will activate after stopping the engine, even it its operating temperature has not been reached.**
- **Noise, smells and high idle speeds can occur during regeneration.**
- **Always use the correct engine oil and the correct fuel to make sure the useful life of the particulate filter is not affected. Also avoid making short trips all the time.**

## Troubleshooting

### Fault in the emission control system.

The indicator lamp lights up yellow.

Reduce speed and drive carefully to the nearest specialised workshop to have the engine checked.

### Combustion failures that can damage the catalytic converter.

The control lamp flashes yellow.

Reduce speed and drive carefully to the nearest specialised workshop to have the engine checked.

### Particulate filter blocked

The indicator lamp lights up yellow ››› page 321..

### EPC Fault in the petrol engine management.

The indicator lamp lights up yellow.

Have the engine checked as soon as possible by a specialised workshop.

When the ignition is switched on, the EPC (Electronic Power Control) lamp lights up and should go off once the engine has started.

### Diesel engine preheating system

The indicator lamp lights up yellow.

The engine can be started straight away when the lamp switches off.

### Fault in the diesel engine management

The control lamp flashes yellow.

Have the engine checked as soon as possible by a specialised workshop.

**NOTICE**

**While the indicator lamps, , EPC or are on, there might be faults in the engine, fuel consumption may go up and the engine might lose power.**

# Miscellaneous situations

## Vehicle tool kit

### On-board toolkit

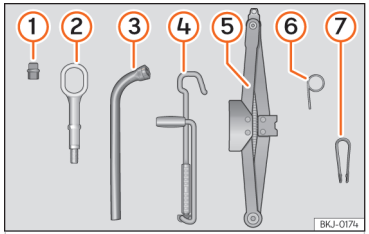


**Fig. 207** Underneath the floor panel of the luggage compartment: on-board tools.

The vehicle tool kit is located under the floor panel in the luggage compartment. To access the on-board tools ››› page 296.

The tool kit includes:

1. Adapter for the anti-theft bolt
2. Towing eye, removable
3. Wheel spanner
4. Crank handle for jack
5. Jack
6. Hook for extracting the central wheel trims
7. Clip for removing the wheel bolt caps

Some of the items listed are only provided in certain model versions, or are optional extras.

**⚠ WARNING**

**When the vehicle tool kit, tyre mobility set and spare wheel are loose in the interior they can be violently thrown in case of a sudden manoeuvre or braking and especially in accidents, causing serious injury.**

- **Ensure that the vehicle tool kit, the tyre mobility set and the spare wheel or temporary spare wheel are safely secured in the luggage compartment.**

**⚠ WARNING**

**Unsuitable or damaged vehicle tools can cause injury or accidents.**

- **Never work with inappropriate or damaged tools.**

**Note**

**The jack does not generally require any maintenance. If required, it should be greased using universal type grease.**

## Changing the windscreen wiper blades

### Wiper service position

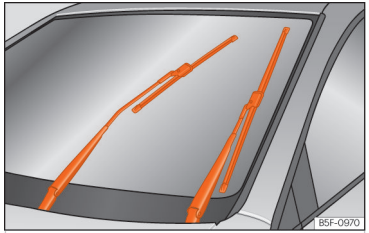


**Fig. 208** Wipers in service position.

Ensure that the wiper blades are not frozen.

With the wipers in service position, it is possible to the fold the wiper arms ››› Fig. 208.

- Close the bonnet ››› page 336.
- Switch the ignition on and off.
- Briefly press the wiper lever downwards.

Before driving, always lower the wiper arms. Using the windscreen wiper lever, the windscreen wiper arms return to their initial position.

**Note**

- **The wiper arms can be moved into the replacement position when the front bonnet is fully closed.**
- **You can also use the service position, for example, if you want to fix a cover over the windscreen in the winter to keep it clear of ice.**

## Changing the wiper rear wiper blades

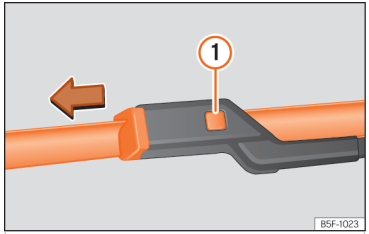


**Fig. 209** Changing the windscreen wiper blades

The windscreen wiper blades are supplied as standard with a layer of graphite. This layer is responsible for ensuring that the wipe is silent. If the graphite layer is damaged, the noise of the water as it is wiped across the windscreen will be louder.

Check the condition of the wiper blades regularly. **If the wipers scrape across the glass**, they should be changed if they are damaged, or cleaned if they are dirty ››› ⓘ.

If this does not produce the desired results, the setting angle of the windscreen wiper arms might be incorrect. They should be checked by a specialised workshop and corrected if necessary.

Damaged windscreen wiper blades should be replaced immediately. These are available from qualified workshops.

### Raising and lowering windscreen wiper arms

- Place the windscreen wipers in the service position ››› **page 323**.
- Grip the wiper arms **only** by the blade's fastening point.

### Cleaning windscreen wiper blades

- Raise the wiper arms.
- Use a soft cloth to remove dust and dirt from the windscreen wiper blades.
- If the blades are very dirty, a sponge or damp cloth may be used ››› ⓘ.

### Changing the windscreen wiper blades

- Lift and unfold the wiper arms.
- Press and hold release button ››› Fig. 209 (1) and pull gently on the wiper blade in the direction of the arrow.
- Fit a new wiper blade of the **same length and design** on to the wiper arm and hook it into place.
- Rest the wiper arms back onto the windscreen.

### Changing the rear window wiper blade

- Separate the wiper arm from the rear window.
- Remove the blade from the holder below the centre. During this operation, hold the wiper arm firmly.
- Fit the new blade (of the same length and type) into the housing of the wipe arm by pressing it in place. When doing so, hold the wiper arm by the upper end.
- Fold the wiper arm and rest it on the window.

**⚠ WARNING**

**Worn or dirty windscreen wiper blades reduce visibility and increase the risk of accident and serious injury.**

- **Always replace damaged or worn windscreen wiper blades or blades that no longer clean the windscreen properly.**

**NOTICE**

- Damaged or dirty windscreen wipers could scratch the glass.
- If products containing solvents, rough sponges or sharp objects are used to clean the blades, the graphite layer will be damaged.
- Never use fuel, nail varnish remover, paint thinner or similar products to clean the windows.
- In icy conditions, always check that the wiper blades are not frozen to the glass before using the wipers. In cold weather, it may help to leave the vehicle parked with the wipers in service position ››› page 323.

**NOTICE**

- To prevent damage to the bonnet and the wiper arms, only leave them in the service position.
- Before driving, always lower the wiper arms.

# Jump start

## Introduction

If the engine fails to start because of a discharged 12-volt battery, the battery can be connected to the battery of another vehicle to start the engine.

Jump leads complying with the **DIN 72553 standard** are needed for starting (see cable manufacturer's instructions). The wire cross section must be at least 25 mm² for petrol engines and at least 35 mm² for diesel engines.

**NOTICE**

To avoid considerable damage to the vehicle electrical system, note the following carefully:

- If the jump leads are connected incorrectly, a short circuit may occur.
- Use only jump leads with fully insulated clamps.
- Do not allow the vehicles to come into contact with each other, otherwise current may start to flow as soon as the positive poles are connected.

## Jump start: description

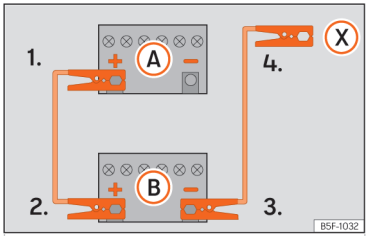


**Fig. 210** Wiring diagram for vehicles without a start/stop system.

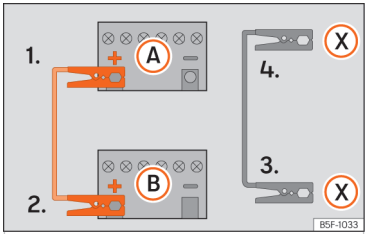


**Fig. 211** Wiring diagram for vehicles with a start/stop system.

The discharged battery must be properly connected to the on-board network.

Make sure that the clamps have sufficient metal contact when connecting them to the poles.

### Jump lead terminal connections

The jump leads should only be connected in the order **1 > 2 > 3 > 4** ››› Fig. 211.

1. Switch off the ignition of both vehicles ››› ⚠.
2. Connect one end of the *red* jump lead to the positive (+) terminal of the vehicle with the flat battery (A).
3. Connect the other end of the *red* jump lead to the positive terminal (+) in the vehicle providing assistance (B).
4. *Vehicles without a Start-Stop system:* connect one end of the black jump lead to the negative terminal (–) of the vehicle providing the current (B) ››› Fig. 210.
   *Vehicles with a Start-stop system:* connect one end of the black jump lead (X) to a suitable ground terminal, to a solid piece of metal in the engine block, or to the engine block itself ››› Fig. 211.
5. Connect the other end of the *black* jump lead (X) to a solid metal component bolted to the engine block or to the engine block itself of the vehicle with the flat battery. Do not connect it to a point near the battery **A**.
6. Position the leads in such a way that they cannot come into contact with any rotating part in the engine compartment.

### Starting

7. Start the engine of the vehicle supplying the current and leave it running at idle.
8. Start the engine of the vehicle with a discharged battery and wait 2 to 3 minutes until the engine runs.

### Disconnecting the jump leads

9. Before disconnecting the jump leads, switch off the dipped beam headlight if it is on.
10. Turn on the heating fan and the vehicle's heated rear window when the battery is discharged to reduce the voltage peaks that occur while disconnecting the battery.
11. While the engines are still running, disconnect the cables in the reverse order in which they were connected.

If the engine does not start after 10 seconds, wait for approximately 1 minute and then try again.

**⚠ WARNING**

- **Please note the safety warnings referring to working in the engine compartment** ››› page 336.
- **The battery supplying the current must have the same voltage (12V) as the flat battery. Failure to comply could result in an explosion.**
- **Never use jump leads when one of the batteries is frozen. Danger of explosion! Even once thawed, electrolyte leaks can cause burns. Replace the battery if it is frozen.**
- **Keep any sources of ignition (flames, cigarettes, etc.) far enough away from the batteries. They may cause an explosion.**
- **Observe the usage instructions of the jump lead manufacturer.**
- **On the other vehicle, do not connect the negative cable directly to the negative terminal of the discharged battery. Any sparks could ignite the igniter gas coming out of the battery and could cause an explosion.**
- **The negative wire must never be connected to fuel system components or brake lines on the other vehicle.**
- **Do not touch uninsulated parts of the pole clamps. The jump lead attached to the positive battery terminal must not touch metal parts of the vehicle, this can cause a short circuit.**
- **Jump leads must be placed in such a way that they cannot be caught by rotating parts in the engine compartment.**
- **Do not rest your body on the batteries, as this could cause burns.**
- **Take into account the instruction manual of the jump lead manufacturer and the instruction manual of the other vehicle.**

**NOTICE**

**Immediately go to a specialist workshop and have the 12 volt battery checked.**

# Towing the vehicle

## Introduction

It takes practice to tow a vehicle, especially when using a tow cable. Both drivers should be well informed of the special features of towing. Inexperienced drivers should refrain from towing.

During towing, make sure at all times that no inadmissible traction forces or jolts are generated. On roads without a firm surface there is always the danger of overloading the attachment parts.

Take into account the legal provisions regarding tow starting and towing.

### Tow start

Tow starting means starting a vehicle's engine while another puts it in motion by pulling it.

The vehicle can be towed with a tow bar or cable

### Towing

Towing means a vehicle pulling another vehicle that is not in a condition to run.

The vehicle can be towed with a tow bar or cable.

- The maximum permitted speed is 50 km/h (30 mph).
- The maximum permitted distance is 50 km (30 miles).

### Tow cable and tow bar

It is safer for the vehicle to be towed using a tow bar, avoiding damage to the vehicle. The tow cable should only be used if a tow bar is not available.

A tow rope should be slightly elastic to avoid damage to both vehicles. It is advisable to use a tow rope made of synthetic fibre or similarly elastic material.

### Tow with a tow truck

If a breakdown lorry is used, vehicles with automatic transmission are only allowed to be towed with the front wheels suspended.

### Towing vehicles with four-wheel drive (4Drive)

Four-wheel drive vehicles (4Drive) can be towed using a tow bar or tow rope. If the vehicle is towed with the front or rear axle suspended, the engine must be switched off, otherwise the transmission may be damaged.

### Deactivating roll-away protection (vehicles with an automatic gearbox) ››› page 223

If necessary, to release the parking brake so that the vehicle can be pushed or towed:

- Keep the brake pedal pressed down and select the **N** position on the gear selector. Next, confirm **Deactivate rolling protection** in the Infotainment System.
- **OR:** open the vehicle settings in the infotainment system > **Vehicle > Brakes > Deactivate the "*Roll-away protection*" function**.

**WARNING**

**During the towing of a vehicle, the driving behaviour and braking capacity change considerably.**

**WARNING**

**Never allow the vehicle to be towed if it has no power.**

- **When towing, never remove the key from the ignition or disconnect the ignition with the ignition and start button. Otherwise, the electronic lock of the steering column could suddenly get blocked and it would be impossible to steer the vehicle. This could cause an accident, serious injury and loss of control of the vehicle.**
- **If the vehicle runs out of power during towing, stop the process immediately and seek the assistance of specialised personnel.**

**NOTICE**

**Towing the vehicle with a tow cable or a tow bar can cause damage to the vehicle.**

- **If the vehicle is towed with a tow cable or tow bar, special care must be taken.**
- **If possible, have the vehicle transported on a tow truck.**

**NOTICE**

**If the vehicle is pushed by hand, the tail light units, the side spoilers of the rear window and large sheet metal surfaces may be damaged. In addition, the rear spoiler could be detached.**

- **If the vehicle is pushed by hand, the tail light units, the side spoilers of the rear window, large sheet metal surfaces or the rear spoiler.**

**NOTICE**

**Removing and attaching the cover and the towing eye may cause damage to the vehicle, for example, on the paintwork.**

- **To avoid damaging the vehicle, remove and replace the cover and the towing eye carefully.**

**NOTICE**

**Using a towing eye that is not suitable for the vehicle can damage it.**

- **When towing, always use the vehicle's towing eye, which forms part of the on-board tools, or an appropriate eye for towing.**

## Instructions for tow-starting and towing

During towing, the change of direction can be signalled on the towed vehicle even when the hazard warning lights are on. To do so, at the same time, the turn signal lever must be operated with ignition switched on. During this time the hazard warning lights remain disconnected. When the turn signal lever is returned to the rest position, the hazard warning lights will be automatically reactivated.

### Cases where tow starting and towing the vehicle are not permitted

Do not allow the vehicle to be towed in the following situations:

- The vehicle's gearbox is damaged or has no lubricant.
- The 12-volt battery is discharged. In vehicles with the "Keyless Access" locking and ignition system the steering remains locked and the parking brake cannot be deactivated and the steering column lock cannot be released if they are connected.
- If a distance above 50 km needs to be travelled.
- There is no guarantee that the wheels will turn smoothly or that the steering will work after an accident.

If the vehicle cannot be towed on its wheels for any of the reasons mentioned above, request assistance from specialised personnel and, if necessary, have the vehicle transported without the wheels touching the ground.

## Tow start

### Steps to be taken prior to tow starting

*Vehicles with an automatic gearbox:* Due to technical reasons, tow starting the vehicle is not allowed. Attempt to start the engine using the starting aid ››› **page 325**.

*Vehicles with a manual gearbox:* In general, it is not recommended to tow start the vehicle. If the engine does not start, try the starting aid first ››› **page 325**. Please note that, in the case of petrol engines, the maximum permitted distance for tow starting is 50 m.

- Secure the tow cable or tow bar using only the attachment points provided for this purpose.
- Switch on the ignition and the hazard warning lights.
- Engage 2nd or 3rd gear while the vehicle is stopped.
- Press the clutch and hold it down.

- When both vehicles are in motion, release the clutch pedal.
- As soon as the engine starts, depress the clutch and disengage the gear to avoid colliding with the towing vehicle.

**NOTICE**

**When tow-starting, unburnt fuel could enter the catalytic converter and damage it.**

## Towing

### Previous steps

- Secure the tow cable or tow bar using only the attachment points provided for this purpose ››› ⚠. Depending on the equipment, these points may be a towing device or a towing eye.
- Make sure the tow cable is not twisted. Otherwise the towing eye could unscrew during towing.
- Switch on the ignition and the hazard warning lights of both vehicles. If necessary, take into account other different provisions that may exist in this regard.
- Take into account the instructions on towing provided in the instruction manual of the other vehicle.

### Towing vehicle (front)

- Do not actually start driving until the cable is tight.
- Accelerate with particular care.
- Avoid sharp braking and sudden manoeuvres.

*Vehicles with a manual gearbox:*

- When starting to drive, use the clutch very gently.

### Towed vehicle (behind)

- Make sure the ignition is switched on so that the steering wheel does not lock and so that, if necessary, you can use the turn signals and the windscreen wiper.
- The brake servo and power steering only work when the engine is running. Otherwise, you will have to depress the brake pedal considerably harder and more force will be needed to turn the steering wheel.
- Release the electronic parking brake ››› page 223, *Using the electronic parking brake*.
- Make sure the tow cable is always taut.
- Disengage the gear or place the gear selector in the **N**position.

**WARNING**

**Never attach the tow rope or tow bar to axle or running gear components. They could be damaged, resulting in an accident and serious injury.**

- **Seek specialist assistance and, if applicable, have the vehicle transported on a tow truck.**

**NOTICE**

**The vehicle can only be towed if the state of charge of the 12-volt battery is sufficient to disengage the electronic parking brake and the steering column lock. If the vehicle has no power supply or there is an electric system fault, the engine must be jump-started to release the electronic parking brake and deactivate the electronic lock of the steering column.**

## Front towline anchorage

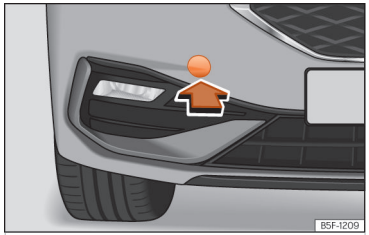


**Fig. 212** Front bumper on right: remove the lid.

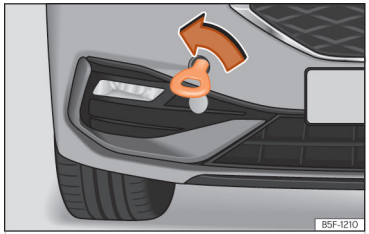


**Fig. 213** Right side of the front bumper: towline anchorage screwed in.

The housing of the removable towline anchorage is on the right side of the front bumper underneath a cover ››› Fig. 212.

The towing eye should always be kept in the vehicle.

Bear in mind the instructions for towing ››› page 328.

### Fitting the towline anchorage

- Remove the towing eye from the vehicle tool kit in the luggage compartment ››› page 323.
- Remove the cover by pressing down on its base and leave it hanging from the vehicle ››› Fig. 212.
- Screw the towing eye in the housing by turning it to the maximum **anticlockwise** ››› Fig. 213 , ››› ⓘ. Use a suitable object that can completely and securely tighten the towing eye in its housing.
- After towing, unscrew the towing eye **clockwise** with a suitable object.
- Replace the cover and push it in until it clicks into place.
- Clean the towing eye if necessary and then store it in the luggage compartment along with the other vehicle tools.

**ⓘ NOTICE**

**The towing eye must always be completely and firmly tightened. Otherwise, it could jump out of the housing during towing.**

## Rear towline anchorage

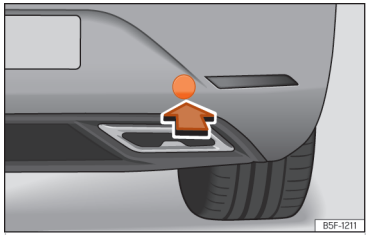


**Fig. 214** Rear bumper on right: remove the lid.

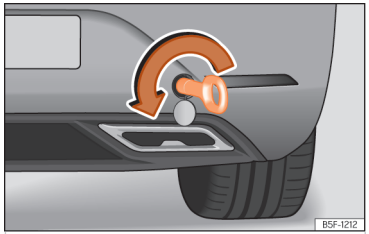


**Fig. 215** Right side of the rear bumper: towline anchorage screwed in.

The housing of the screw towing eye is on the right side of the rear bumper behind a lid ››› Fig. 214.

*Vehicles fitted as standard with a towing bracket* **do not** have any housing for the screw towing eye behind the lid. In this case, the tow hitch needs to be extracted or installed and used for towing ››› page 304, ››› ⓘ.

Bear in mind the instructions for towing ››› page 328.

**Assemble the rear towing eye (cars without a factory-equipped towing bracket)**

- Remove the towing eye from the vehicle tool kit in the luggage compartment ››› page 323.
- Press the lower side of the lid ››› Fig. 214 to unclip it.
- Remove the lid and let it hang from the vehicle.
- Screw the towing eye in the housing by turning it to the maximum **anticlockwise** ››› Fig. 215, ››› ⓘ. Use a suitable object that can completely and securely tighten the towing eye in its housing.
- After towing, unscrew the towing eye **clockwise** with a suitable object.
- Replace the cover and press until the tab snaps into the bumper.
- Clean the towing eye if necessary and then store it in the luggage compartment along with the other vehicle tools.

**ⓘ NOTICE**

- **The towing eye must always be completely and firmly tightened. Otherwise, it could be released while towing and tow-starting.**
- **If the vehicle is factory-equipped with a towing bracket, it is only allowed to tow with a tow bar if this has been specially designed to be installed with a tow hitch. If an unsuitable tow bar is used, both the tow hitch and the vehicle may be damaged. Instead, a tow rope should be used.**

# Fuses

## Introduction

In general, a fuse can be assigned to various electrical components. Likewise, an electrical component can be protected by several fuses.

Only replace fuses when the cause of the problem has been solved. If a newly inserted fuse blows after a short time, you must have the electrical system checked by a specialised workshop as soon as possible.

**⚠ WARNING**

**The high voltages in the electrical system can give serious electrical shocks, causing burns and even death!**

- **Never touch the electrical wiring of the ignition system.**
- **Take care not to cause short circuits in the electrical system.**

**⚠ WARNING**

**Using unsuitable fuses, repairing fuses or bridging a current circuit without fuses can cause a fire and serious injury.**

- **Never use a fuse with a higher value. Only replace fuses with a fuse of the same amperage (same colour and markings) and size.**
- **Never replace a fuse by a metal strip, staple or similar.**

**ⓘ NOTICE**

- **To prevent damage to the vehicle's electrical system, before replacing a fuse always turn off the ignition, the lights and all electrical elements.**
- **Protect the fuse boxes when open to prevent the entry of dust or humidity as they can damage the electrical system.**

**Note**

In the vehicle, there are more fuses than those indicated in this chapter. These should only be replaced by a specialist workshop.

## Fuses inside the vehicle

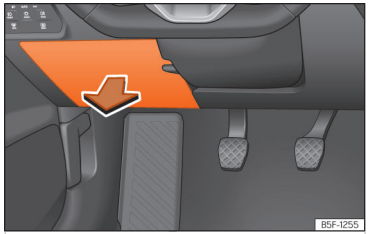


**Fig. 216** On the dashboard on the driver side: lid of the fuse box.

### Opening and closing the fuse box located below the instrument panel

- *Open:* fold the cover down ››› Fig. 216.
- *Close:* push back the cover it in until it clicks into place.

### Identifying fuses below the dashboard by colours

| Colour | Current intensity in amps |
|---|---|
| Light brown | 5 |
| Brown | 7.5 |
| Red | 10 |
| Blue | 15 |
| Yellow | 20 |
| White or transparent | 25 |
| Green | 30 |
| Orange | 40 |
| Red | 50 |

**NOTICE**

- **Always carefully remove the fuse box covers and refit them correctly to avoid problems with your vehicle.**
- **Protect the fuse boxes when open to avoid the entry of dust or humidity. Dirt and humidity inside fuse boxes can cause damage to the electrical system.**

## Fuses in the engine compartment

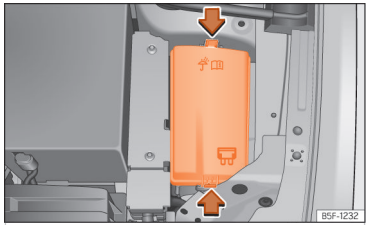


**Fig. 217** In the engine compartment: lid of the fuse box.

### To open the engine compartment fuse box

- Raise the bonnet ››› ⚠ on page 336.
- Press the locking tabs to unlock the fuse box cover ››› Fig. 217.
- Then lift the cover out.
- To **fit** the cover, place it on the fuse box. Push the locking tabs down until they click audibly into place.

## Replace a blown fuse

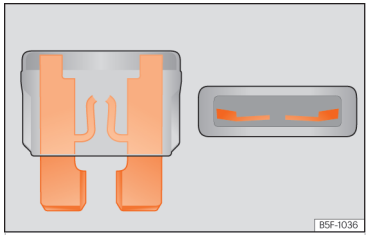


**Fig. 218** Image of a blown fuse.

### Preparations

- Switch off the ignition, lights and all electrical equipment.
- Open the corresponding fuse box ››› page 332, ››› page 332.

### Recognise a blown fuse

A blown fuse can be recognised if the metal strip is melted ››› Fig. 218.

- Point a lamp at the fuse to see if it has blown.

### To replace a fuse

- Remove the fuse.
- Replace the blown fuse by one with an *identical* amperage rating (same colour and markings) and *identical* size.
- Replace the cover again or close the fuse box lid.

## Fuse placement

### Fuses in the vehicle interior

| No. | Consumers/Amps | |
|---|---|---|
| 3 | Trailer | 25 |
| 4 | SCR, Adblue® | 30 |
| 5 | Automatic gearbox lever | 25 |
| 6 | Interior light | 30 |
| 8 | Sunroof | 20 |
| 7 | Heated seats | 30 |
| 9 | Left door | 30 |
| 11 | Trailer | 15 |
| 12 | Right lights | 40 |
| 13 | Central locking | 40 |
| 14 | External Ethernet Amplifier | 30 |
| 16 | Airbag | 7.5 |
| 18 | KESSY | 7.5 |
| 19 | Instrument panel | 7.5 |
| 20 | Connectivity Box | 7.5 |
| 21 | Rear camera, IPA | 7.5 |
| 24 | 4x4 Haldex Control Unit | 15 |
| 25 | Front seat belts RGS+EBSS left | 25 |
| 26 | Right door | 30 |
| 27 | Rear seat belts RGS+EBSS right | 25 |
| 28 | PHEV. Switching off the high voltage system for rescue tasks. Identified by a yellow label. | 15 |
| 29 | Trailer | 15 |
| 30 | Radio | 30 |
| 31 | Trailer | 25 |
| 34 | 230V socket | 30 |
| 35 | Left lights | 40 |
| 36 | Air conditioner fan | 40 |
| 37 | Electric rear lid | 30 |
| 39 | Heated steering wheel | 10 |
| 40 | Alarm horn | 7.5 |
| 41 | Gateway | 7.5 |
| 42 | Automatic gearbox lever | 7.5 |
| 43 | Air conditioning and heating control panel, rear window heating, AA compressor | 10 |

| No. | Consumers/Amps | |
|---|---|---|
| 44 | Diagnosis, handbrake switch, light switch, reverse light, interior lighting, lit-up door sill | 7.5 |
| 45 | Steering column | 7.5 |
| 46 | Radio display | 7.5 |
| 47 | Driving mode | 10 |
| 48 | USB | 7.5 |
| 52 | 12V socket | 20 |
| 58 | Parking sensors, park distance control unit, front camera, radar | 7.5 |
| 59 | Reverse switch, clima sensor, electrochromic mirror | 7.5 |
| 60 | Diagnosis | 7.5 |
| 61 | Starter motor; clutch sensor | 7.5 |
| 66 | Rear window wiper | 15 |
| 67 | Heated rear window | 30 |

| In-line fuse/Amps | |
|---|---|
| Electric driver's seat | 15 |
| Electric passenger seat | 15 |

### Fuse arrangement in engine compartment

| No. | Consumers/Amps | |
|---|---|---|
| 2 | Charging unit, traction motor converter/engine ignition coils | 10/20 |
| 3 | Fuel pump control unit | 10/20 |
| 4 | Left headlight KL 30 Signal | 15 |
| 5 | Right headlight KL 30 Signal | 15 |
| 7 | Automatic gearbox pump | 30 |
| 9 | Horn | 15 |
| 10 | Front windscreen washer | 30 |
| 11 | PHEV Climate | 7.5 |
| 12 | Automatic gearbox control unit | 15/30 |
| 14 | PHEV | 7.5 |
| 16 | PHEV, Automatic gearbox unit | 50 |
| 17 | PTC | 40 |
| 18 | PTC | 40 |
| 20 | Front electronic differential | 15 |
| 21 | Engine control unit | 7.5 |
| 22 | Starter motor | 30 |
| 23 | Engine control unit (diesel/petrol) | 15 |
| 24 | Engine sensors | 7.5/10/15 |
| 25 | Engine sensors | 10 |
| 26 | Engine power supply | 7.5/10/15 |
| 27 | Lambda probe | 10 |
| 28 | Engine | 10/20 |
| 29 | Fuel pump control unit | 15/20/30 |
| 30 | Pressure pump 1.0 | 10 |
| 33 | PTC | 40 |

**Note**

- **In the vehicle, there are more fuses than those indicated in this chapter. These should only be changed by a specialised workshop.**
- **Positions not containing a fuse do not appear in the following tables.**
- **Some of the equipment listed in the tables below pertain only to certain versions of the model or are optional extras.**
- **Please note that the above lists, while correct at the time of printing, are subject to change.**

# Changing bulbs

## Change a bulb

### LED technology lights

Full-LED headlights handle all light functions (daylight, side light, turn signal, dipped beam and route light) with light emitting diodes (LEDs) as a light source.

Full-LED headlights are designed to last the lifetime of the car and light bulbs cannot be replaced. In case of headlight failure, go to an authorised workshop to have it replaced.

The fog lights, tail lights, number plate light, side turn signals and additional brake light are all LED bulbs. With this in mind, they should be replaced by a technical service.

# Checking and refilling levels

## Engine compartment

### Working in the engine compartment

The engine compartment of the vehicle is a dangerous area. You should only perform works in the engine compartment if you have good knowledge of the necessary operations and the general safety measures, and if you have adequate tools, means and operating fluids. Works performed inadequately, could lead to serious injuries ››› ⚠. In this case, seek a specialised workshop to perform all the works. SEAT recommends visiting a SEAT dealership for this.

Before performing any work in the engine compartment, always park the vehicle on level and firm ground, taking all necessary safety precautions.

**⚠ WARNING**

**Any accidental movement of the vehicle during maintenance work could cause serious injuries.**

- **Never perform works underneath the vehicle without having first immobilised it to prevent it from moving. When working under the vehicle with the wheels on the ground, the vehicle must be on a level surface and the wheels must be locked.**
- **If work must be performed underneath the vehicle, take the extra precaution of supporting it safely using suitable assembly support. The jack is not suitable for this purpose and may not withstand, which could lead to serious injuries.**
- **The Start-Stop system must be switched off manually.**

**⚠ WARNING**

**The engine compartment of any vehicle is a dangerous area in which serious injuries can be caused!**

- **When performing any type of work, always ensure you are extremely cautious, and bear in mind the general safety measures. Never put yourself at risk.**
- **Never perform works in the engine compartment if you do not have solid knowledge of the necessary operations. If you are unsure of what needs to be done, seek a specialised workshop to perform the works. Works performed inadequately, could lead to serious injuries.**
- **Never open or close the bonnet if you see steam or coolant escaping from the engine compartment. Steam or hot coolant can cause severe burns. Always wait until you stop hearing or seeing the steam or coolant discharging from the engine compartment.**
- **Before opening the bonnet, always wait for the engine to cool down.**
- **Touching hot engine or exhaust system components could result in skin burns.**
- **Turn off the ignition and keep the vehicle key in a safe place at a safe distance from the vehicle to prevent the ignition from being turned on and the combustion engine started by mistake.**
- **Always keep children away from the engine compartment and never leave them unsupervised.**
- **When the motor is hot, its cooling system is pressurised. Do not open the expansion tank cap, hot coolant may splash out and cause severe burns and other injuries.**
  - **Turn the coolant expansion tank cap slowly and very carefully anticlockwise while pressing it down slightly.**
  - **Always protect your face, hands and arms from the hot coolant and steam with a large thick cloth.**

- When refilling operating fluids, ensure they do not spill onto the components of the engine or onto the exhaust system. These liquids could cause a fire.

**⚠ WARNING**

The electrical system is under high voltage and can cause electrical shocks, burns, serious injuries and even death!

- Never short circuit the electrical system. The 12-volt battery could explode.
- To reduce the risk of electric shock and serious injury, never touch the electrical wires of the ignition system while the engine is running or when starting.

**⚠ WARNING**

There are rotating parts in the engine compartment which could cause serious injury.

- Never insert your hand in the radiator fan or around that area. All the rotor blades can cause serious injuries. The fan activates depending on the temperature and can switch on automatically, even if the ignition is off.
- If any work has to be done during engine start-up or when it is running, take into account that the rotating parts (e.g. the poly-V belt, alternator and the radiator fan) and the high-voltage ignition system pose a fatal hazard. Always act with extreme care.
  - Ensure that no part of your body, or any jewellery or tie, loose clothing, loose long hair can become trapped in the rotating parts. Before performing works in the engine compartment, remove any jewellery or tie you may be wearing, tie up your hair if it is long and gather any loose clothing.
  - Do not press the accelerator pedal while not paying attention. Always do so with extreme care. The vehicle could start moving even when the electronic parking brake is engaged.
- Do not leave objects in the engine compartment, e.g. rags or tools.

**⚠ WARNING**

The operating fluids and some materials of the engine compartment are highly flammable and could cause a fire and serious injuries!

- Never smoke in the vicinity of the engine compartment.
- Never perform works close to unprotected flames or sparks.
- When you must perform works on the on-board 12 volt electrical system, bear in mind the following:
  - Always disconnect the 12 volt battery. Ensure the vehicle is unlocked when disconnecting the 12-volt battery, otherwise the anti-theft alarm will trigger.
  - Never perform works in the vicinity of heating elements, water boilers or unprotected flames.
- Always have a fire extinguisher close-by, ensuring it is operational and had been checked.

**NOTICE**

When refilling or changing the operating fluids, ensure you pour the correct fluids into their corresponding filler caps. Using the wrong operating fluids can lead to serious malfunctions and motor damage.

**For the sake of the environment**

Operating fluids that overflow from the vehicle contaminate the environment. Therefore, check underneath the vehicle on a regular basis. If there are marks left by operating fluids on the ground, consult a specialised workshop and request the vehicle be checked. If any operating fluid leaks out, dispose of it in the correct manner.

## Preparing the vehicle for work in the engine compartment

Before performing works in the engine compartment, always perform the following operations in the order indicated ››› ⚠:

1. Place the vehicle on level and firm ground, taking all necessary safety precautions.
2. Press the brake pedal and keep it pressed until the ignition is switched off.
3. Apply the electronic parking brake.
4. *Manual transmission*: place the gear lever in neutral.

   *Automatic transmission:* press the parking lock button **P**.
5. Switch the ignition off ››› **page 164**.
6. Remove the vehicle key from the vehicle and store it outside to avoid inadvertently starting the engine.
7. Wait for the engine to cool down sufficiently.
8. Always keep other people away from the engine compartment.
9. Immobilize the vehicle so that it cannot move.

**⚠ WARNING**

**For your own safety, do not ignore this important check list, otherwise this could cause accidents and serious injuries.**

- **Always follow the indications on the check list and always bear in mind the general safety measures.**

## Opening and closing the bonnet

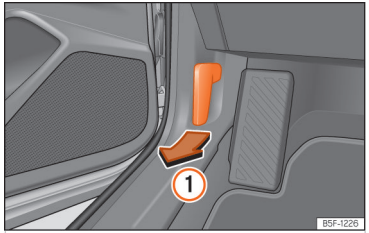


**Fig. 219** Release lever in the driver's footwell area.

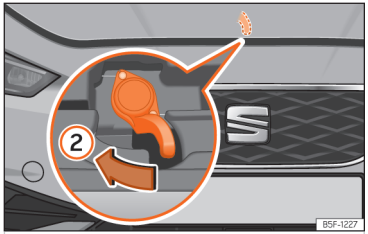


**Fig. 220** Lever under the bonnet.

### Opening the bonnet

The bonnet is released from inside the vehicle.

Before opening the bonnet, make sure that the windscreen wiper arms are in place against the windscreen.

- Open the door and pull the lever that is underneath the instrument panel ››› **Fig. 219** ①.
- To lift the bonnet, press towards the left on the lever located under the bonnet, in the centre ››› **Fig. 220** ②. The fastening hooks are unlocked.
- The bonnet can be opened. Release the bonnet stay and secure it in the fixture designed for this in the bonnet.

### Closing the bonnet

- Slightly lift the bonnet.
- Release the bonnet stay and replace it in its support.
- At a height of approximately 20 cm let it fall so it locks.

If the bonnet does not close, do not press downwards. Open it again and let it fall as mentioned above.

**⚠ WARNING**

**Make sure that the bonnet is properly closed. If it opens when driving, it can cause an accident.**

**ⓘ NOTICE**

**In certain weather conditions, ice or snow may build up between the bonnet and windscreen; do not force the bonnet open until you are sure that there is no ice or snow, especially in the hinge area.**

**ⓘ NOTICE**

**To avoid damage to the bonnet and to the windscreen wiper arms, only open it when the windscreen wipers are in place against the windscreen.**

# Fluids and consumables

## Introduction

All fluids and consumables, such as engine coolant or vehicle batteries, are subject to continuous development. For this reason, whenever a fluid or consumable needs to be replaced, please contact a specialist workshop.

SEAT dealers always promptly receive information about any modifications.

**⚠ WARNING**

**If unsuitable fluids and consumables are used or used improperly, accidents, injuries, burns and severe poisoning can occur.**

- **Only store operating fluids in their original containers, tightly closed.**
- **Never store operating fluids in empty food cans, bottles or other empty containers, as they could be ingested by somebody.**
- **Keep all fluids and consumables out of reach of children.**
- **Always read and observe the information and warnings given on containers of operating fluids.**
- **When using products that emit harmful vapours, always work outdoors or in a well-ventilated area.**

**ⓘ NOTICE**

**Use only appropriate operating fluids. Never confuse operating fluids. This could result in serious malfunctions and motor damage!**

**For the sake of the environment**

**Leakages of operating fluids can contaminate the environment. If any operating fluid leaks, collect it in an appropriate container and dispose of it properly and in an environmentally friendly manner.**

# Cooling system

## Introduction

Only carry out work on the motor cooling system yourself if you are familiar with the necessary operations and the generally applicable safety measures, and if you have the appropriate tools, equipment and operating fluids. Works performed inadequately could lead to serious injuries . In this case, seek a specialised workshop to perform all the works. SEAT recommends visiting a SEAT dealership for this.

**⚠ WARNING**

**Engine coolant is toxic!**

- **Only store coolant in its original container, tightly closed and in a safe place.**
- **Never store motor coolant in empty food cans, bottles or other empty containers, as it could be ingested by another person.**
- **Always keep motor coolant out of reach of children.**
- **Ensure that the coolant fluid additive percentage is correct, taking into account the lowest ambient temperature expected in the location where the vehicle is to be used.**
- **When the outside temperature is very low, the coolant could freeze and the vehicle could be immobilised. In this case, the heating would not work either and inadequately dressed passengers could die of cold.**

**For the sake of the environment**

**Coolants and additives can contaminate the environment. If any operating fluid leaks out, collect it and dispose of it properly and in an environmentally friendly manner.**

## Coolant specifications

The factory fitted motor cooling system is filled with a mixture of specially treated water and at least 40% coolant additive G12evo (TL-VW 774 L).

Get information from a specialist workshop about which coolant is suitable for your vehicle. SEAT recommends visiting a SEAT dealership for this.

To protect the engine cooling system, the additive percentage should **always** be at least 40%. If more antifreeze protection is required for climatic reasons, the additive proportion can be increased. However, it should only be increased up to a maximum of 55 %, otherwise the antifreeze protection would be reduced and the cooling effect would be impaired.

The G12evo (TL-VW 774 L) can be recognised by its lilac colouring. This mixture of water and additive not only provides antifreeze protection down to -25°C (-13°F), but also protects the light alloy parts of the cooling system against corrosion, prevents limescale build-up and considerably raises the boiling point of the coolant.

When topping up the coolant, a mixture of **distilled water** and at least 40% of the appropriate coolant additive should be used for optimum corrosion protection ››› page 341.

**⚠ WARNING**

**If the vehicle's cooling system does not have sufficient antifreeze protection, the engine could fail and this could result in serious injury.**

- **Ensure that the coolant fluid additive percentage is correct, taking into account the lowest ambient temperature expected in the location where the vehicle is to be used.**
- **When the outside temperature is very low, the coolant could freeze and the vehicle could be immobilised. In this case, the heating would not work either and inadequately dressed passengers could die of cold.**

**NOTICE**

**Never mix the original additives for the G12evo coolant (TL-VW 774 L) with motor coolant fluid not authorised by SEAT.**

- **If the fluid in the expansion tank does not have a pink colour (resulting from mixing the lilac additive with distilled water), but is, for example, brown, the suitable coolant may have been mixed with another unsuitable one. The coolant must be changed as soon as possible if this is the case! Otherwise serious malfunctions or damage to the engine and the cooling system could occur!**

**For the sake of the environment**

**Motor coolant and its additives can pollute the environment. If any operating fluid leaks out, collect it and dispose of it properly and in an environmentally friendly manner.**

## Coolant tank

✓ Valid for: hybrid vehicles.

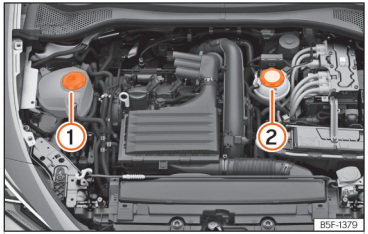


**Fig. 221** Engine compartment: Coolant tanks

Hybrid vehicles have 2 independent coolant expansion tanks.

››› Fig. 221

1. Coolant expansion tank for the combustion engine.
2. Coolant expansion tank for the high-voltage system. Visually check the coolant level of the **high-voltage system Do not open it!** It is sealed.

If the coolant level in the **cooling system of the high-voltage system** is too low:

- **Do not top up coolant!**
- Contact a specialised workshop immediately.

## Check and refill the coolant

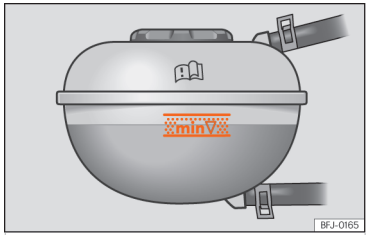


**Fig. 222** In the front compartment: marking on coolant expansion tank.

**Fig. 223** Front compartment: coolant expansion tank cap.

### Previous steps

- Park the vehicle on a firm, flat surface.
- Wait until the engine has fully cooled ››› ⚠.
- Open the front bonnet.
- The motor coolant expansion tank can be recognised by the symbol on the cap ›››  Fig. 223

### Check the level

When the vehicle is delivered (new vehicles), the coolant may be above the marked area. This is normal. It is not necessary to suck the coolant out.

- When the engine is cold, check the coolant level using the side marking on the expansion tank ››› Fig. 222. The coolant level should be between the marks.

- If the level is below the minimum level mark (min) on the tank, top up with coolant. When the motor is warm, the coolant level may be slightly above the upper mark.

### Topping up the fluid

When the motor coolant level is too low, the coolant warning light comes on. In this case, immediately seek assistance from specialist personnel.

If the coolant level is too low and there is no workshop nearby, note the following:

- Always protect your face, hands and arms from hot coolant or steam by placing a suitable cloth over the cap of the motor coolant expansion tank.
- Carefully unscrew the cap ››› ⚠.
- Only top up with **fresh** coolant according to SEAT specifications ››› page 340.
- Only top up with coolant if there is still some coolant left in the expansion tank; otherwise the motor could be damaged! If you do not see any coolant in the expansion tank, **do not continue driving** and seek specialist assistance.
- If there is still some coolant left in the expansion tank, top up with coolant up to the tank's upper mark and check the level the next day. If the level drops **again**, go to a workshop and request a check of the cooling system.
- The coolant level must be between the marks on the expansion tank ››› Fig. 222. **Never exceed the top edge of the marked area** ››› ⚠.
- Screw the cap on tightly.
- If engine coolant with the recommended specifications is not available in an emergency, do not use any other coolant additive! In this case, top up with **distilled water** ››› ⓘ only. Next, ensure that the recommended additive is topped up as soon as possible in the correct proportion ››› page 340.

**⚠ WARNING**

**Steam and hot motor coolant can cause severe burns.**

- **Never open the front bonnet if you see or hear steam or coolant escaping from the front compartment. Always wait until you can no longer see or hear steam or coolant escaping. Touching hot parts can result in skin burns.**
- **Before opening the front bonnet, please note the following:**
  - **Apply the electronic parking brake.**
  - **Always keep children away from the front compartment and never leave them unattended.**
- **When the motor is hot, its cooling system is pressurised. Do not open the expansion tank cap, hot coolant may splash out and cause severe burns and other injuries.**
  - **Turn the cap slowly and very carefully anticlockwise while pressing it down slightly.**
  - **Always protect your face, hands and arms from the hot coolant and steam with a large thick cloth.**

**ⓘ NOTICE**

**Only use distilled water! Other types of water contain chemical substances that could cause significant corrosion damage. If you have added non-distilled water, have all of the motor cooling system fluid changed immediately by a specialist workshop.**

- **When topping up the, do not fill over the upper edge of the marked area ››› Fig. 222. Otherwise, when the temperature rises the excess fluid will be expelled from the motor cooling system and could cause damage.**
- **If the system leaks a lot of coolant, only refill once the motor has *cooled down completely*. If there is a significant loss of coolant, there may be leaks in the cooling system. Immediately go to a specialist workshop to have the system checked. This could result in motor damage.**

- Do not add coolant if the expansion tank is completely empty! Air may have got into the cooling system. Do not continue driving and seek assistance from specialist personnel. This could result in motor damage.
- When changing the operating fluids, make sure that you pour the correct fluids into the correct filler necks. Using the wrong operating fluids can lead to serious malfunctions and motor damage.

# Brake fluid

## Check and refill the brake fluid

**Fig. 224** Engine compartment: brake fluid reservoir cap.

### Checking the brake fluid level

The brake fluid level must be between the **MIN** and **MAX** markings.

However, if the brake fluid level goes down noticeably in a short time, or drops below the **MIN** mark, there may be a leak in the brake system. Seek specialist assistance. A warning light on the instrument panel display monitors the brake fluid level.

### Brake fluid level

The control lamp lights up red.

Brake fluid level is too low.

- **Stop driving!**
- Check the brake fluid level.
- If the brake fluid level is too low, seek specialist assistance.

### Changing brake fluid

We recommend that you have the brake fluid changed by a Technical Service.

**WARNING**

If the brake fluid level is low or unsuitable/old brake fluid is used, the brake system may fail or braking power may be reduced.

- Check the brake system and the brake fluid level regularly!
- When the brake fluid is used and brakes are subjected to extreme braking forces, bubbles of vapour form in the brake system. These bubbles can significantly reduce braking power, notably increasing braking distance, and could result in the total failure of the brake system.
- Be sure to always use the correct brake fluid. Only use brake fluid that expressly meets the VW 501 14 standard.
- You can buy VW 501 14 standard brake fluid in a SEAT dealership or a SEAT Official Service. If none is available, use only high-quality brake fluid that meets DIN ISO 4925 CLASS 4 standards, or USA Standards FMVSS 116 DOT 4.
- The replacement brake fluid must be new.
- Brake fluid should be stored in the closed original container in a safe place out of reach of children. Risk of poisoning!

**NOTICE**

Brake fluid should not come into contact with the vehicle paintwork, as it is abrasive.

**Note**

Brake fluid is an environmental pollutant. Collect any spilt service fluids and allow a professional to dispose of them.

# Windscreen washer reservoir

## Checking the level of the window washer tank and refilling it

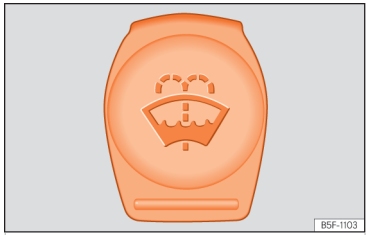


**Fig. 225** In the engine compartment: blue cap of the windscreen washer tank.

Check the water level in the windscreen washer reservoir regularly and top up as required.

The window washer tank contains liquid detergent for the windscreen and rear window.

There is a sieve in the filler neck of the washer fluid tank. When filling the tank, this sieve retains large dirt particles so that they do not reach the nozzles. Do not remove the sieve except for cleaning. If the sieve is damaged or not fitted, these dirt particles could enter the system during filling and clog the windscreen washer nozzles.

- Raise the bonnet ››› ⚠ on page 336.
- The windscreen washer reservoir is marked with the symbol on the cap.
- Check if there is enough fluid in the tank.

Plain water is not enough to clean the windscreen and headlights. We recommend that you always add a product to the windscreen washer fluid.

The capacity of the windscreen washer tank is approximately 3 litres.

**NOTICE**

**If the water from the windscreen washer does not contain enough anti-freeze, it may freeze on the windscreen and rear window, reducing forward and rear visibility.**

- **In winter, ensure the windscreen washer contains enough anti-freeze.**
- **In cold conditions, you should not use the windscreen wiper system unless you have warmed the windscreen with the ventilation system. The antifreeze could freeze on the windscreen and reduce visibility.**

**NOTICE**

**Never mix an unsuitable antifreeze or other similar additives with the windscreen washer water. A greasy layer may be formed on the windscreen which will impair visibility.**

- **Use clean water with a window cleaner recommended by SEAT.**
- **If necessary, add a suitable antifreeze to the water in the reservoir.**

**NOTICE**

- **Do not mix cleaning products recommended by SEAT with other products. This could lead to flocculation and may block the windscreen washer jets.**
- **When topping up service fluids, make absolutely certain that you fill the fluids into the correct reservoirs. Using the wrong fluids could cause serious malfunctions.**
- **Lack of window washer fluid causes the view through the windscreen to be obscured.**

# Engine oil

## General notes

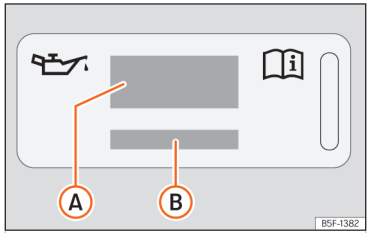


**Fig. 226** In the engine compartment: engine oil label

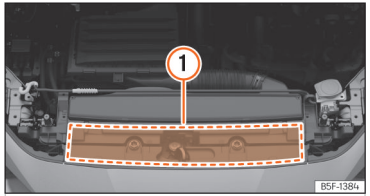


**Fig. 227** In the engine compartment: area where the engine oil label is located

Key to the ››› Fig. 226:

Ⓐ Information about the engine oil standard.

Ⓑ Information about engine oil viscosity.

The engine comes with a special, multi-grade oil that can be used all year round.

Because the use of high-quality oil is essential for the correct operation of the engine and its long useful life, when topping up or changing oil, use only those oils that comply with VW standards.

### For vehicles with an engine oil label

If the engine oil has to be topped up, use one of the oils shown on the label ››› Fig. 226. The label with the prescribed standard is located at the front of the engine compartment ››› Fig. 227 ①. If you use the recommended engine oil, you can top up the oil as often as necessary.

### For vehicles without an engine oil label

Contact a specialised workshop or SEAT official service for information about the corresponding standard.

### If the engine oil level is too low

If the recommended engine oil is not available, **in the event of an emergency** you can change the oil **once** with a maximum of 0.5 l of the next oil until the next oil change:

- *Petrol engines:* standard VW 504 00, ACEA C3, ACEA C4, API SN or IL-SAC GF-6A.
- *Diesel engines:* standard VW 507 00, ACEA C3, ACEA C4 or API CK-4.

SEAT recommends changing the oil at a specialised workshop. SEAT recommends an Official SEAT Service.

**NOTICE**

**SEAT recommends the use of engine oils approved according to the appropriate VW standard. Use of engine oils that do not meet these quality requirements can cause engine damage.**

SEAT recommends the use of Original SEAT Spare Part engine oils.

### Engine oil additives

No type of additive should be mixed with the engine oil. The deterioration caused by these additives is not covered by the warranty.

Depending on how you drive and the conditions in which the vehicle is used, oil consumption can be up to 0.5 l/1000 km. Oil consumption is likely to be higher for the first 5,000 km. For this reason the engine oil level must be checked at regular intervals, preferably when filling the tank and before a journey.

**NOTICE**

**0.5 l of engine oil of one of the indicated engine oil standards may be used, only in the event of an emergency and in exceptional cases.**

**NOTICE**

Take the following into account if you have refilled with an engine oil different to those specified in the aforementioned standards, or by your SEAT technical service centre:

- There is no way of completely avoiding the danger of causing damage to the engine and particulate filter.
- You can continue driving with the vehicle if the refill was no more than 0.5 l of engine oil. Go to a specialised workshop as soon as possible and request an oil change. Otherwise, there is a danger of engine damage.
- If you have topped up more than 0.5 l of engine oil, drive with the engine at low load levels and within the medium RPM range as a maximum. Do not drive at more than 80 km/h and do not travel more than 300 km (approximately). Go to a specialised workshop as soon as possible and request an oil change. Otherwise, there is a danger of engine damage.
- You are responsible for the risk of possible damage to the vehicle (engine, exhaust system). If in doubt, do not start the engine and request assistance from the technical service centre.
- Do not start the engine if you have topped up with a fluid other than engine oil. Request assistance from the technical service centre. Danger of engine damage!

**Note**

Before a long trip, we recommend finding an engine oil that conforms to the corresponding VW specifications and recommend keeping it in the vehicle. This way, the correct engine oil will always be available for a top-up if needed.

- If the label showing the engine oil specifications is missing ››› Fig. 226, please contact a specialist workshop.

## Checking and topping up the engine oil level

### Checking the oil level in vehicles with a dipstick

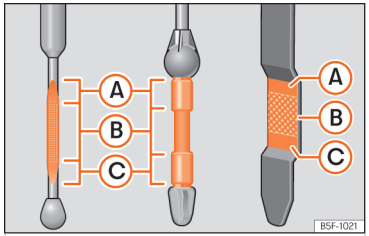


**Fig. 228** Engine oil dipstick.

(A) Do not top up oil in any case.

(B) You can add oil but keep the level in that zone.

(C) The oil level is too low. Add oil up to zone (B).

Before opening the bonnet, read and observe the warnings ››› page 336, *Working in the engine compartment*.

The engine oil dipstick indicates the level of the oil.

- Park the vehicle in a horizontal position.
- Briefly run the engine at idle speed until the operating temperature is reached and then stop.
- Wait for about two minutes.
- Locate the oil level dipstick. It can be recognized by its coloured upper end.
- Pull out the dipstick. Wipe the dipstick with a clean cloth and insert it again, pushing it in as far as it will go.
- Then pull it out again and check the oil level ››› Fig. 228. Top up with engine oil if necessary.

The oil should leave a mark between the areas (A) and (C). It must never exceed zone (A).

### Checking the oil level on the digital display on vehicles without a dipstick

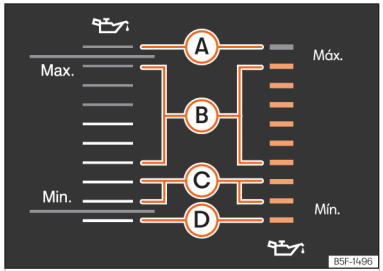


**Fig. 229** On the infotainment system screen: possible engine oil level indicator displays.

Ⓐ Do not top up engine oil

Ⓑ Engine oil level in normal range.

Ⓒ Engine oil level low, engine oil must be topped up.

Ⓓ Engine oil level very low, engine oil needs to be topped up.

To check the oil level on the information screen, the following steps must be followed:

1. Switch the ignition on.
2. Select the menu: **Vehicle > Vehicle status > Oil level**.

Possible actions after reading the oil level on the information screen ››› Fig. 229:

Ⓐ Do not top up engine oil, do not start the engine and seek professional assistance.

Ⓑ Oil level correct.

Ⓒ Oil level low, engine oil must be topped up.

Ⓓ Oil level below minimum, engine oil must be topped up.

If the oil level is in the lower area of Ⓑ or in the area Ⓒ, it can be topped up to half of the area Ⓑ (approx. 0.5 l). Or follow the instructions on the information screen.

### Topping up engine oil

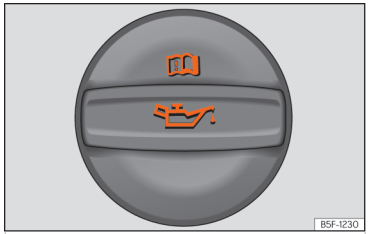


**Fig. 230** Oil filler cap cover in the engine compartment.

- Locate the engine oil filler cap. It can be recognized by the symbol on the cover ››› Fig. 230.
- Unscrew cap from the oil filler mouth ››› Fig. 230.
- Carefully add oil in small quantities (no more than 0.5 l).
- To avoid adding too much oil, whenever you add a certain amount, wait about 2 minutes and recheck the oil level ››› page 346.
- If necessary, add some more oil.
- When the oil level reaches at least zone ››› Fig. 228 Ⓑ, carefully screw on the engine oil filler cap ››› ⓘ.

Engine oil specification ››› page 345.

**⚠ WARNING**

**Any work carried out in the engine compartment or on the engine must be carried out cautiously.**

- **When working in the engine compartment, always observe the safety warnings ››› page 336.**

**⚠ WARNING**

**Oil is highly inflammable! Ensure that no oil comes into contact with hot engine components when topping up.**

**ⓘ NOTICE**

**If the oil level is above zone Ⓐ, do not start the engine. This could result in damage to the engine and catalytic converter. Contact a Technical Service.**

**For the sake of the environment**

Under no circumstances should the oil level be above zone (A). Otherwise oil can be drawn in through the crankcase breather and leak into the atmosphere via the exhaust system.

**Note**

Before a long trip, we recommend finding an engine oil that conforms to the corresponding VW specifications and recommend keeping it in the vehicle. This way, the correct engine oil will always be available for a top-up if needed.

## Engine oil change

We recommend that you have the engine oil changed by a Technical Service.

**WARNING**

Only change the engine oil yourself if you have the specialist knowledge required!

- Before opening the bonnet, read and observe the warnings ››› page 336.
- Wait for the engine to cool down. Hot oil may cause burn injuries.
- Wear eye protection to avoid injuries, such as acid burns, caused by splashes of oil.
- When removing the oil drain plug with your fingers, keep your arm horizontal to help prevent oil from running down your arm.
- Wash your skin thoroughly if it comes into contact with engine oil.
- Engine oil is poisonous! Used oil must be stored in a safe place out of the reach of children.

**NOTICE**

No additives should be used with engine oil. This could result in engine damage. Any damage caused by the use of such additives would not be covered by the factory warranty.

**For the sake of the environment**

- We recommend that you change the engine oil and the filter at a technical service centre.
- Never pour oil down drains or into the ground.
- Use a suitable container when draining the used oil. It must be large enough to hold all the engine oil.

## Troubleshooting

**Engine oil pressure too low.**

The indicator lamp lights up red.

**Do not carry on driving!** Switch off the engine. Check the engine oil level.

- If this warning lamp starts to flash, and is accompanied by **three audible warnings**, switch off the engine and check the oil level. If necessary, add more oil ››› page 346.
- If the warning lamp flashes although the oil level is correct, **stop driving**. Do not even run the engine at idle speed! Seek professional assistance.

**Engine oil level very low**

The warning lamp flashes red and a message is shown on the dash panel: " Add engine oil now"

**Do not carry on driving!** This could result in engine damage.

1. Safely stop the vehicle as soon as possible.
2. Stop the engine.
3. Check the oil level ››› page 346.
4. If necessary, add engine oil gradually in small quantities, do not exceed a total of 0.5 l and observe the filling indications on the instrument cluster screen.

If the warning lamp is lit up even if the oil level is correct, do not continue driving. Engine damage may occur. Seek assistance from the technical service.

**Engine oil level too low**

The indicator lamp lights up yellow.

- Check the engine oil level as soon as possible ››› page 346.
- Change the oil as soon as you have the opportunity to do so.

### Engine oil level too high

The warning lamp lights up yellow and a message is shown on the dash panel.

- Safely stop the vehicle as soon as possible.
- Stop the engine.
- Check the oil level ››› page 346.
- If the oil level is too high, do not continue driving or leave the engine running. Engine damage may occur. Seek assistance from the technical service.

### Oil level sensor fault

The control lamp flashes yellow.

- Have the check done by a specialised workshop.
- Until then it is advisable to check the oil level every time you refuel.

# 12-volt battery

## Introduction

The 12 volt battery is located in the engine compartment or in the luggage compartment (PHEV hybrid vehicles). The 12 volt battery is checked and, if necessary, replaced as part of maintenance work.

All work on batteries requires specialist knowledge. Please refer to a SEAT Official Service or a workshop specialising in batteries: risk of burns or exploding battery!

**The battery must not be opened!** Never try to change the fluid level of the battery. Otherwise explosive gas is released from the battery that could cause an explosion.

### Battery warning indications

Wear protective goggles.

Battery acid is extremely corrosive. Wear protective gloves and eye protection. Rinse any splashes of electrolyte with plenty of water.

Fires, sparks, open flames and smoking are prohibited.

The battery should only be charged in a well-ventilated zone. Risk of explosion!

Keep children away from acid and the battery.

Always follow the instruction manual.

### If the vehicle is not used for long periods

The vehicle has a system for monitoring the current consumption when the engine is left unused for extended periods of time ››› page 355. Some functions, such as the interior lights, or the remote door opening, may be temporarily disabled to prevent the battery from running flat. These functions will come back on as soon as the ignition is switched on and the engine started.

**⚠ WARNING**

**Working on the 12-volt battery and electrical system can cause severe burns, fire and electric shock. Always read and observe the following warnings and safety precautions before working on the battery:**

- **Before working on the 12-volt battery, switch off the ignition and all electrical consumers and disconnect the negative cable from this battery.**
- **Always keep children away from the 12-volt battery electrolyte and the battery itself.**
- **Always wear eye protection and protective gloves.**

- The battery electrolyte is very corrosive It can cause skin burns and blindness. When handling the 12-volt battery, protect your hands, arms and face in particular from acid splashes
- Do not smoke while working and never work in the vicinity of naked flames or sparks.
- Avoid sparks caused by electrostatic discharges, just like when handling electric cables and devices.
- Never short the battery terminals.
- Never use damaged 12-volt batteries. They could explode. If the 12-volt battery is damaged, replace it immediately.
- Never use a frozen 12 volt battery. When the battery is discharged, it may freeze at temperatures close to 0°C (+32 °F). If the 12-volt battery is frozen, replace it immediately.

**NOTICE**

Do not expose the 12-volt battery to direct sunlight for a prolonged period of time.

- Ultraviolet rays can damage the battery casing.

**NOTICE**

If the vehicle is not to be used for a long period of time, protect the 12-volt battery from frost.

- The battery may freeze and, as a result, suffer irreparable damage.

**Note**

After starting the engine with a deeply discharged or newly replaced 12-volt battery, or after a jump start, some system settings (time, date, personalised comfort settings and programs) may be incorrectly set or deleted. Check and correct these settings once the battery is sufficiently charged.

**Note**

During the winter, the starting power may be reduced, and if necessary, the battery should be charged.

## Check the electrolyte level

**Fig. 231** Hybrid vehicles (PHEV): location of the battery in the luggage compartment

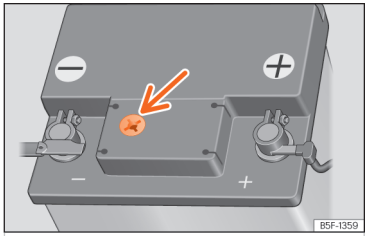


**Fig. 232** Sight glass on the top of the 12 volt battery (schematic representation).

### Access to the 12 volt battery

The 12-volt battery is located in the engine compartment (conventional vehicles) or under the luggage compartment floor (PHEV hybrid vehicles).

*Valid for conventional and Mild Hybrid vehicles:*

- Raise the bonnet ››› ⚠ in *Working in the engine compartment* on page 336.
- Lift the cover that protects the front of the battery.

*Valid for hybrid vehicles (PHEV):*

- Open the luggage compartment.
- Raise the floor of the luggage compartment ››› page 296 to gain access to the 12-volt battery cover ››› Fig. 232.
- A suitable tool must be used to open and close the cover.

### Check the level

The electrolyte level should be checked regularly in high-mileage vehicles, in hot countries and in older batteries.

- Check the colour display in the sight glass on the top of the battery ››› Fig. 232.
- If there are air bubbles in the window, tap the window gently until they disperse.

The "magic eye" indicator, located on the top of the battery changes colour, depending on the charge state and electrolyte level of the battery.

There are two different colours:

***Yellow or colourless:*** The battery's electrolyte level is too low. Go to a specialised workshop to have the battery checked and replaced if necessary.

***Black:*** The battery's electrolyte level is correct.

## Charging, replacing, disconnecting and connecting the 12-volt battery

If you suspect that the 12-volt battery is damaged or defective, have it checked by a qualified specialist workshop.

### Charging the 12-volt battery

Contact a specialist workshop for charging the 12-volt battery, as the battery model fitted in the vehicle in the factory uses a technology that requires limited voltage charging ››› ⚠. SEAT recommends visiting a SEAT dealership for this.

### Replacing the 12-volt battery

The 12-volt vehicle battery has been designed to suit its location and has special safety features. If a 12-volt battery needs to be replaced, the replacement battery must be installed by a qualified technician. SEAT recommends visiting a SEAT dealership. Component information regarding size, maintenance, power and safety characteristics to be met can be obtained from a qualified technician, who should have the necessary documentation and technical equipment. SEAT recommends visiting a SEAT dealership.

The degassing hole of the 12-volt battery must always be on side of the negative pole. The degassing hole on the side of the positive pole must always be sealed.

Only use maintenance-free 12-volt batteries that comply with the TL 825 06 and VW 7 50 73 standards. These standards must be dated October 2014 or later.

The 12-volt battery must always be replaced by a qualified technician, as the vehicle's electronic system must also be adjusted as part of the replacement. In addition, the battery parameters relating to operational safety can only be determined with the original battery. Only a qualified technician has both the right technology to make the adjustment and the correct replacement batteries.

**NOTICE**

**The use of batteries that do not meet SEAT's quality specifications, or with a capacity lower than that fitted as standard, could, depending on the local legislation in each country, lead to the loss of approval or the corresponding administrative permits for the vehicle. In addition, it may pose a serious safety risk.**

Vehicles with Start-Stop functions (››› page 173) are fitted with a special battery. Therefore, it must only be replaced with a battery of the same specifications.

### Disconnecting the 12-volt battery

If the 12-volt battery is to be disconnected from the vehicle's electrical system, please note the following:

- Switch off all electrical consumers.
- Before disconnecting the battery, unlock the vehicle, otherwise the alarm will be triggered.
- First disconnect the negative cable and then the positive cable ››› ⚠.

### Connecting the 12-volt battery

- Switch off all electrical consumers before reconnecting the 12-volt battery.
- First reconnect the positive cable and then the negative one ››› ⚠.

After connecting the 12-volt battery and switching on the ignition, several control lamps may light up. These lamps go out after a short distance at a speed of approx. 15 to 20 km/h (10 to 12 mph). If the warning lights do not go out, visit a specialist workshop and have the vehicle checked.

If the 12-volt battery has been disconnected for a long period of time, it is likely that the next service is not correctly indicated or calculated ››› page 17 . In this case it will be necessary to take into account the maximum maintenance intervals allowed ››› page 375.

*Vehicles with a "Keyless Access" system* ››› page 98: If the ignition cannot be switched on after connecting the 12-volt battery, lock and unlock the vehicle from the outside. Then try to switch on the ignition again. If the ignition does not work, seek professional assistance.

**⚠ WARNING**

**Attaching the 12-volt battery incorrectly or using unsuitable batteries may result in short circuits, fire and serious injury.**

- **Use only maintenance-free 12 volt batteries with an anti-spill system with the same properties, specifications and dimensions as the factory-fitted battery.**

**⚠ WARNING**

**Charging the 12-volt battery creates a highly explosive mixture of detonating gases.**

- **Only charge the 12-volt battery in a well-ventilated place.**
- **Never charge a 12-volt battery that is frozen or has thawed. When the battery is discharged, it may freeze at temperatures close to 0°C (+32°F).**
- **If the 12-volt battery has frozen, have it replaced without fail.**
- **A short circuit may occur if the wires are incorrectly connected to the poles. First connect the positive cable and then the negative one.**

**NOTICE**

- **Never connect or disconnect the 12-volt battery when the ignition is switched on or the engine is running. Also, never use a 12-volt battery that does not meet the vehicle's battery specifications. The electrical system or certain electronic components could be damaged and electrical malfunctions could occur.**
- **Never connect accessories that supply power, such as solar panels or battery chargers, to the 12-volt socket or cigarette lighter, to the 12-volt battery. This could damage the vehicle's electrical system.**

**For the sake of the environment**

- **The battery may contain toxic substances, such as sulphuric acid and lead. Dispose of the 12-volt battery in accordance with the applicable regulations.**
- **Electrolyte can contaminate the environment. If any operating fluid leaks out, collect it and dispose of it properly.**

## Troubleshooting

### 12-volt battery

The control lamp lights up in **RED**.

The following message is displayed:

**Error: 12-V power supply. Park safely! Please refer to the instruction manual.**

**Stop driving!** Stop the vehicle at the next opportunity and in a safe place. The 12-volt battery is not recharging while the vehicle is in motion and has a critical charge level, or there is a fault in the on-board 12-volt network.

- Switch off the ignition and any electrical consumers that are not required.
- Contact a specialised workshop.
- Request a check of the electrical system.

### 12-volt battery

The indicator lamp lights up **YELLOW**.

The following message is displayed:

**The 12-V battery is not charged. You may only continue driving with limitations.**

The vehicle battery stops charging while driving As the battery gradually discharges, switch off all electrical devices that are not essential.

Due to this fault, you will only be able to drive for a limited period of time. Once this time has elapsed, a red warning lamp will be displayed. Drive with caution.

- Have the electrical system checked by a qualified workshop.

### 12-volt battery

The indicator lamp lights up **YELLOW**. The following message is displayed:

**Error: 12-V vehicle battery. Engine cannot be started. Go to the workshop.**

There is a fault in the connection between the on-board network and the 12-volt battery.

If the drive system is switched off in this situation, it cannot be switched on again. If necessary, use the jump leads ››› page 325 or seek assistance from qualified personnel.

- Contact a specialised workshop.
- Request a check of the electrical system.

### 12-volt battery

The indicator lamp lights up **YELLOW**. The following message is displayed:

**12-V battery charge low. Please refer to the instruction manual.**

Starting capability may be limited and may not be able to start the drive system. If the drive system can be started, charge while driving. If this driver message goes out after a certain amount of time, the vehicle's battery has recharged while driving and reached a sufficient level. If the driver message does not go out, take the vehicle to a specialized workshop.

### 12-volt battery

The indicator lamp lights up **YELLOW**. The following message is displayed:

**12-V power supply limited. Drive with extra caution.**

The 12-volt power supply is limited because the 12V battery is discharged or not working at full performance, for example due to very cold outside temperatures. The 12-volt battery can be charged while driving. Until the warning disappears, you should drive with care.

### 12-volt battery

The indicator lamp lights up **YELLOW**. One of the following messages is displayed:

**Error: 12-V supply. Please visit workshop.**

**Error: 12-V battery. Please visit workshop.**

There is a fault in the 12-volt power supply:

- Contact a specialised workshop.
- Have the electrical system checked.

**Note**

**While the engine is switched off, a yellow battery warning lamp with no accompanying descriptive text may appear within a few seconds of switching on the ignition. This, is normal, it simply alerts you that the 12-volt battery is discharging. As soon as the engine is started, the lamp will switch off.**

# 48-volt battery

## General information

✓ Valid for: Mild Hybrid vehicles (MHEV)

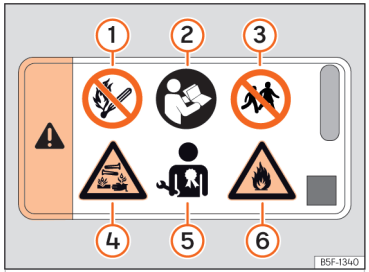


**Fig. 233** 48-volt battery: hazard warning

1. Never expose the 48 volt battery to sources of fire, sparks or unprotected flames.
2. The instruction manual and the workshop information contain further information and warnings to this regard.
3. Always keep children away from the 48 volt battery.
4. If the 48-volt battery is damaged, fluid can leak and very corrosive acids can form. The battery should only be handled by qualified personnel.
5. All maintenance works involving the 48 volt battery should only be performed by duly qualified and trained technical staff .
6. Take care when handling flammable substances.

In addition to a 12-volt battery, the vehicle may be fitted with a 48-volt battery located underneath the front passenger seat.

The works that are to be carried out on the 48 volt battery should be performed exclusively by a specialised workshop with duly qualified technical staff, trained according to the SEAT guidelines.

### Overview of the 48 volt system

The 48 volt system consists of the following components, among others:

- 48-volt battery
- 12V/48V voltage converter
- 48 volt alternator/starter motor
- Purple 48 volt cables

### 48 volt battery warnings

There is a hazard warning sign on the 48 volt battery ››› Fig. 233.

**⚠ WARNING**

**An inappropriate handling of the 48 volt battery can cause serious injuries or death.**

- **All maintenance works involving the 48 volt battery should only be performed by duly qualified and trained technical staff .**
- **Never make any changes to the 48 volt battery.**

**⚠ WARNING**

**Make sure the 48 volt battery does not come into contact with water or other fluids.**

- **Liquids may cause short circuits, electrical shocks and burns.**

## Troubleshooting

✓ Valid for: Mild Hybrid vehicles

Indicator lamps and driver messages on the instrument cluster display or infotainment system:

### 48-volt battery

The indicator lamp lights up **red**. The following message is displayed:

**Battery: Risk of fire! Stop safely and get out immediately. Emergency services!**

The 48V battery temperature is too high ⚠.

If this message is displayed on the instrument cluster, follow the steps below:

- **Stop driving!** Stop the vehicle immediately, taking into account the traffic situation.
- Choose a safe place outdoors, away from buildings or vehicles, canopies, covered car parks or similar places.
- If possible, switch on the hazard warning lights.
- Before leaving the vehicle, make sure it is immobilised (parking brake, parking lock **P**).
- Switch off the ignition and leave the ignition key on the dash panel or in a visible place so that the emergency services can use it (for example to recover the vehicle from a hazardous area).
- Exit the vehicle and make sure that there are no other people or animals left inside.
- Make sure that you leave the danger zone together with all other occupants of the vehicle and that everyone remains in an area that is protected from traffic (e.g. behind the guard rail).
- Notify the emergency services.

### 48-volt battery

The indicator lamp lights up **red** while driving. The following message is displayed:

**Error: 48V power supply. Stop the vehicle safely! Please refer to the instruction manual.**

There is a error in the 48V power supply.

1. Park the vehicle in a safe place.
2. Stop the engine and turn off the ignition.
3. Wait for a few seconds.
4. Switch ignition back on.
5. Start the engine.

If the lamp remains on, seek professional assistance. SEAT recommends visiting a SEAT dealership for this.

### 48-volt battery

When the vehicle is stopped, the warning lamp lights up **yellow** and the following message is displayed:

**Error: 48V power supply. Do not start driving. Please refer to the instruction manual.**

There is a error in the 48V power supply.

1. Park the vehicle in a safe place.
2. Stop the engine and turn off the ignition.
3. Wait for a few seconds.
4. Switch ignition back on.
5. Start the engine.

If the lamp remains on, seek professional assistance. SEAT recommends visiting a SEAT dealership for this.

### 48-volt battery

When the vehicle is stopped, the warning lamp lights up **yellow** and the following message is displayed:

**48V battery charge low. Start the engine or refer to the owner's manual.**

48V Battery state of charge warning.

1. Start the engine.
2. Stand in a safe place and leave the engine running for a few minutes.

If the lamp remains on, seek professional assistance. SEAT recommends visiting a SEAT dealership for this.

If the engine cannot be started:

1. Switch the ignition off.
2. Use the **Jump start** ››› page 325.

If the vehicle still won't start, seek professional assistance. SEAT recommends visiting a SEAT dealership for this.

# Energy management

## Optimisation of the starting capacity

Energy management controls the electrical power distribution so that there is always enough electrical power to start the engine.

If a vehicle with a conventional energy system remains stationary for a long period of time, the electrical devices, for example in the electronic

ignition lock, discharge the battery. Under certain circumstances, this can lead to a lack of electrical power to start the engine.

In your vehicle, a smart energy management system is responsible for distributing the electrical energy. This clearly improves the starting performance and service life of the battery.

The main functions incorporated in the power management system are **battery diagnosis**, **residual current management** and a **dynamic power management system**.

### Battery diagnostics

Battery diagnostics determine the status of the battery on an ongoing basis. The battery voltage, current and temperature are monitored for this purpose. This is used to determine the battery's charge level and efficiency.

### Residual current management system

The residual current management reduces energy consumption while the vehicle is stationary. When the ignition is switched off, it manages the power supply to the various electrical devices. In doing so, it takes into account the battery diagnostic data.

With the ignition on and depending on the battery's charge level, it disconnects electrical devices one after the other to avoid over-discharging the battery and to maintain starting capacity.

### Dynamic energy management system

Energy generated while driving is distributed by the dynamic energy management system to the electrical devices according to their energy requirements. It also ensures that no more energy is consumed than is generated, thus ensuring an optimal battery charge level.

**Note**

- **The energy management system also cannot override the limits imposed by the laws of physics. Please note that the capacity and service life of the battery are limited.**
- **When there is a risk that the vehicle will not start, the low battery charge level warning lamp will be shown** ››› page 352.

## Discharged battery

Maintaining starting capacity has top priority. Battery strain is considerable on short journeys, city driving and in the cold season of the year.

In these situations, a lot of energy is required but very little is generated. If the engine is stopped and at the same time the electrical devices are switched on, the battery can become discharged to a critical point. In this case energy is consumed without being generated at the same time.

In these situations you will notice that the energy regulation system performs active energy distribution adjustment.

### Vehicle stationary for a long period of time

If you do not drive the vehicle for a few days or weeks, adjustments will be made to reduce consumption or the electrical devices will be deactivated one by one. This reduces energy consumption and the starting capacity is maintained for longer. Some comfort functions may not be available under certain circumstances. The comfort functions will be available again when the ignition is switched on and the engine is started.

### With the engine stopped

If you listen to the radio, for example, while the engine is stopped, the battery will be discharged.

If the energy consumption means there is a risk that the engine will not start, a text will be displayed in vehicles with a driver information system.

This driver message indicates that the engine must be started to recharge the battery.

### With the engine running

The battery may discharge despite the fact that energy is being generated while the vehicle is in motion. This is particularly the case if too little energy is generated and too much is consumed at a time while the battery's level of charge is not optimal.

To restore the energy balance, the devices that consume the most energy are either temporarily adjusted or deactivated. Heating systems, in particular, consume a lot of energy. If you notice, for instance, that the seat heating or the rear window heater is not working, they may have been temporarily switched off or regulated to a lower heat output. These systems can be used again as soon as the energy balance has been restored.

If necessary, you may also notice a slight idling speed boost. However, this is normal and should not cause you any concern. Boosting the idling speed generates additional energy and charges the battery.

# Wheels and tyres

## Important information about wheels and tyres

### General notes

- When driving with **new tyres**, be especially careful during the first 600 km (300 miles).
- If you have to drive over a kerb or similar obstacle, drive very slowly and as near as possible at a right angle to the obstacle.
- Check from time to time if the tyres are damaged (punctures, cuts, cracks or dents). Remove any foreign objects embedded in the treads.
- Damaged wheels and tyres must be replaced immediately.
- Keep grease, oil and fuel off the tyres.
- Replace any missing valve caps as soon as possible.
- Mark the wheels before taking them off so that they rotate in the same direction when put back.
- When removed, the wheels or tyres should be stored in a cool, dry and preferably dark place.

#### Low profile tyres

Low profile tyres have a wider tread, a larger wheel diameter and a lower sidewall height. Therefore, its driving behaviour is more agile.

Low profile tyres may deteriorate more quickly than standard tyres, for instance due to strong knocks, potholes, manhole covers and kerbs. Correct tyre pressure is very important ››› page 360.

To avoid damage to tyres and wheels, drive with special care when driving on roads in poor condition.

Visually check your wheels every 3000 km.

If the tyres or rims have received a heavy impact or have been damaged, have a specialised workshop check whether or not it is necessary to change the tyre.

Low profile tyres may deteriorate more quickly than standard tyres.

#### Concealed damage

Damage to tyres and rims is often not readily visible. If you notice unusual **vibration** or the car **pulling to one side**, this may indicate that one of the tyres is damaged. Reduce speed immediately if there is any reason to suspect that damage may have occurred. Inspect the tyres for damage. If no external damage is visible, drive slowly and carefully to the nearest specialised workshop and have the car inspected.

#### Foreign objects inserted in the tyre

- Do not remove foreign bodies if they have penetrated through the tyre wall!
- If the vehicle comes with a tyre mobility system, where necessary seal the damaged tyre as shown in section ››› page 373.

Use a specialised workshop for repair or replacement. SEAT recommends visiting a SEAT dealership for this.

The sealant at the lower part of the tyre tread wraps around the foreign body and provisionally seals the tyre.

#### Tyres with directional tread pattern

An arrow on the tyre sidewall indicates the direction of rotation on single drive tyres. Always note the direction of rotation indicated when mounting the wheel. This makes sure that optimal use is made of tyre properties in terms of aquaplaning, grip, excessive noise and wear.

#### Subsequent fitting of accessories

If you wish to change or fit wheels, rims or wheel trims, we recommend that you consult with a SEAT Official Service for advice regarding current techniques.

#### Speed symbols

The speed rating indicates the maximum speed permitted for the tyres.

**P** max. 150 km/h (93 mph)

**Q** max. 160 km/h (99 mph)
**R** max. 170 km/h (106 mph)
**S** max. 180 km/h (112 mph)
**T** max. 190 km/h (118 mph)
**U** max. 200 km/h (124 mph)
**H** max. 210 km/h (130 mph)
**V** max. 240 km/h (149 mph)
**Z** max. 240 km/h (149 mph)
**W** max. 270 km/h (168 mph)
**Y** max. 300 km/h (186 mph)

**⚠ WARNING**

- **New tyres do not have maximum grip during the first 600 km. Drive particularly carefully to avoid possible accidents.**
- **Never drive with damaged tyres. This may cause an accident.**
- **If you notice unusual vibrations or if the vehicle pulls to one side when driving, stop the vehicle immediately and check the tyres.**
- **Never use old tyres or those with an unknown history of use.**

## New wheels and tyres

It is best to have all wheels and tyres serviced by a specialised workshop. There they have the required knowledge, the special tools and the corresponding spare parts.

- Even winter tyres lose their grip on ice. If you have installed new tyres, drive the first 600 km carefully and at a moderate speed.
- All four wheels must be fitted with tyres of the same type, size (rolling circumference) and, if possible, tread pattern.
- When changing tyres, do not change just one; change at least two on the same axle.
- If you want to equip your vehicle with a combination tyres and rims that are different to those fitted in the factory, inform your specialised workshop before purchasing them ››› ⚠

The sizes of the rims and tyres approved for your vehicle are listed in the vehicle documentation (e.g. EC Certificate of Conformity or COC document[1]). The vehicle documentation varies depending on the country of residence.

If the type of spare wheel is different form the normal wheels — e.g. in the case of winter tyres or particularly wide tyres — the spare wheel should only be used temporarily in the event of a puncture, and the vehicle should be driven with care. Refit the normal road wheel as soon as possible.

In vehicles with four-wheel drive, the 4 wheels must be fitted with tyres of the same brand, type and tread so that the traction system is not damaged by a difference in the number of turns of the wheels. Therefore, in the event of a puncture, only a spare wheel with the same perimeter as normal tyres should be used.

### Manufacturing date

The manufacturing date is also indicated on the tyre sidewall (or on the inside face of the wheel):

**DOT ... 2220 ...**

it means, for example, that the tyre was manufactured in the 22nd week of 2020.

**⚠ WARNING**

- **Use only combinations of tyres and rims, as well as suitable wheel nuts, approved by SEAT. Otherwise the vehicle may be damaged, causing an accident.**
- **For technical reasons it is not possible to use wheels of other vehicles; in some cases not even wheels from the same vehicle model should be used.**
- **Always ensure that the tyres you have chosen have adequate clearance. When selecting replacement tyres, do not rely entirely on the nominal tyre size marked on the tyre, since the nominal tyre size can differ**

[1] COC = *certificate of conformity.*

significantly depending on the manufacturer. Lack of clearance can damage the tyres or the vehicle and, as a result, endanger road safety. Accident hazard!

- Only use tyres that are over 6 years old in an emergency, and drive with due care.
- The fitting of tyres with run-flat properties is not permitted on your vehicle! Prohibited use can cause accidents or can damage your vehicle.
- If decorative hubcaps are subsequently fitted, make sure that they allow enough air in to cool the braking system. Accident hazard!
- Models with aerodynamic wheel rims and/or with bolt-on plastic elements (more closed design) increase the likelihood of ice and snow accumulating on the inside. This should be taken into account, depending on the driving situations, as snow or ice accumulated in the wheels can cause vibration in the vehicle when it drives at over 40 km/h. It is advisable to remove ice and snow from the inside of the wheels using hot water.
- If you drive on dirt or gravel tracks, the likelihood of stones becoming trapped inside wheel rims with plastic elements increases when driving at high speed or in a sporty manner. If you see that there are stones trapped between the aluminium wheel rim and the insert, you can attempt to remove them using pressurised water.

**For the sake of the environment**

Old tyres must be disposed of according to the laws in the country concerned.

**Note**

- A SEAT Service Centre should be consulted to find out whether wheels or tyres of different sizes to those originally fitted by SEAT can be fitted, and to find out about the combinations allowed between the front axle (axle 1) and the rear axle (axle 2).
- Never mount used tyres if you are not sure of their "previous history".

## Tyre life

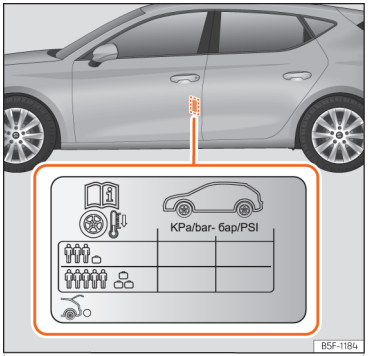


**Fig. 234** Location of the tyre pressure sticker.

Correct inflation pressures and sensible driving habits will increase the useful life of your tyres.

- Check tyre pressure at least once a month, and also prior to any long trip.
- The tyre pressure should only be checked when the tyres are cold. Do not reduce the pressure of warm tyres.
- Adjust tyre pressure to the load being carried by the vehicle ››› Fig. 234.
- In vehicles with a tyre pressure indicator, save the modified tyre pressure ››› page 370.

- Avoid fast cornering and hard acceleration.
- Inspect the tyres for irregular wear from time to time.

### Tyre pressure

The values of the tyre pressure are shown on the sticker label located on the read frame of the front left door ››› Fig. 234.

Insufficient or excessive pressure greatly reduces the useful life of the tyres and adversely affects vehicle performance and ride. Correct inflation pressures are very important, especially at **high speeds**.

The tyre pressure must be adjusted according to the load the vehicle is carrying. If the vehicle is going to be fully loaded, increase the tyre pressure to the maximum load value shown on the sticker label ››› Fig. 234.

Do not forget the spare wheel when checking the tyre pressures: Keep this spare wheel inflated to the highest pressure required for the road wheels.

In the case of a minimised temporary spare wheel (125/70 R16 or 125/70 R18) inflate to a pressure of 4.2 bar as indicated on the tyre pressure label ››› Fig. 234.

### Driving style

Fast cornering, heavy acceleration and hard braking (squealing tyres) all increase tyre wear.

### Wheel balance

The wheels on new vehicles are balanced. However, certain circumstances may lead to imbalance (run-out), which is detected as vibrations in the steering wheel.

Unbalanced wheels should be rebalanced, as they otherwise cause excessive wear on steering, suspension and tyres. A wheel must also be rebalanced when a new tyre is fitted or if a tyre is repaired.

### Incorrect wheel alignment

Incorrect running gear alignment causes excessive tyre wear, impairing the safety of the vehicle. If you notice excessive tyre wear, you should check wheel alignment at a SEAT Official Service.

**⚠ WARNING**

**Unsuitable handling of the wheels and tyres may lead to sudden tyre pressure losses, to tread separation or even to a blow-out.**

- **The driver is responsible for ensuring that all of the vehicle tyres are correctly inflated to the right pressure. The recommended tyre pressure is indicated on the label ››› Fig. 234.**
- **Check tyre pressures regularly and ensure they are maintained at the pressures indicated. Tyre pressure that is too low could cause overheating, resulting in tread detachment or even burst tyres.**
- **Tyre pressure should be that indicated on the label when the tyres are cold at all times ››› Fig. 234.**
- **Regularly check the cold inflation pressure of the tyres. If necessary, change the tyre pressure of the vehicle tyres while they are cold.**
- **Regularly check your tyres for damage and wear.**
- **Never exceed the maximum permitted speed or loads specified for the type of tyre fitted on your vehicle.**

**For the sake of the environment**

**Under-inflated tyres will increase fuel consumption.**

## Tread wear indicators

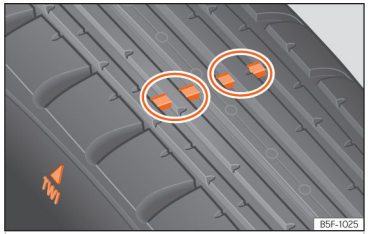


**Fig. 235** Tyre profile: tread wear indicators.

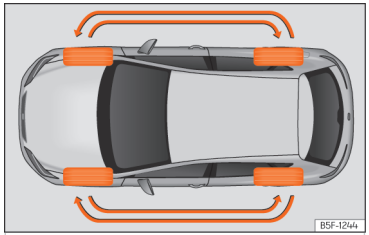


**Fig. 236** Interchanging tyres.

Wear indicators around 1.6 mm high can be found on the base of the original tyre treads, ordered at regular intervals and running across the tread ››› **Fig. 235**. The letters "TWI" or triangles on the sidewall of the tyre mark the position of the wear indicators.

The minimum permitted profile depth [1] have been reached when the tyres have worn down to the wear indicators. Replace the tyres with new ones ››› ⚠.

With a sporty driving style, check the tread depth every 5,000 / 10,000 km (3,000 / 6,000 mi). When checking the tread depth, check the wear indicators in all the tyre grooves.

### Changing wheels around

In order to wear the wheels in a uniform manner, it is recommended to interchange them regularly according to the diagram ››› **Fig. 236**. The useful life of all the tyres will then be about the same time.

**⚠ WARNING**

**The tyres must be replaced at the latest when the tread is worn down to the tread wear indicators. Failure to follow this instruction could result in an accident.**

- **Particularly in difficult driving conditions such as wet or icy roads. It is important that the tyre tread be as deep as possible and be approximately the same on the tyres of both the front and the rear axles.**
- **The scant driving safety due to insufficient tread depth is particularly evident in vehicle handling, when there is a risk of "aquaplaning" in deep puddles of water and when driving through corners, and braking is also adversely affected.**
- **The speed has to be adapted accordingly, otherwise there is a risk of losing control over the vehicle.**

## Wheel nuts

The **wheel bolts** and rims have been designed to be part of an assembly. When installing different wheels (for instance alloy wheels or wheels with winter tyres) it is important to use the correct wheel bolts with the right length and correctly shaped bolt heads. This ensures that wheels are fitted securely and that the brake system functions correctly.

The wheel bolts must be clean and turn easily.

A special adapter is required to turn the anti-theft wheel bolts ››› **page 367**.

**⚠ WARNING**

**Wheel nuts should never be greased or oiled.**

- **Use only wheel bolts which belong to the wheel.**
- **If the prescribed torque of the wheel bolts is too low, they could loosen whilst the vehicle is in motion. Risk of accident! If the tightening torque is too high, the wheel bolts and threads can be damaged.**

**ⓘ NOTICE**

**See ››› page 369 to find out the recommended tightening torque for wheel nuts for steel and alloy rims.**

[1] Follow the regulations of the country you are driving in.

## Winter tyres

- Winter tyres must be fitted **on all four** wheels.
- Only use winter tyres that are approved for your vehicle.
- Please note that the maximum permissible speed for winter tyres may be lower than for summer tyres.
- Also note that winter tyres are no longer effective when the **tread** is worn down.
- After fitting the wheels you must always check the tyre pressures. When doing so, take into account the correct tyre pressures listed on the rear of the front left door frame ››› page 360.

In winter road conditions winter tyres will considerably improve vehicle handling. The design of summer tyres (width, rubber compound, tread pattern) gives less grip on ice and snow. This applies particularly to vehicles equipped with **wide section tyres** or with **high speed tyres** (code letters H, V or Y on the sidewall).

Only use winter tyres of the correct type approved for your vehicle. The sizes of these tyres are specified in the vehicle's documents (e.g. EC Certificate of Conformity or COC[1]). The vehicle documentation varies depending on the country of residence.

Winter tyres lose a great deal of their properties when the **tread** is worn down to a depth of 4 mm.

The performance of winter tyres is also severely impaired by **ageing**, even if the tread is still much deeper than 4 mm.

A code letter indicating the speed limit is stamped on all winter tyres ››› page 358.

In the infotainment system's **Vehicle settings** menu, a speed warning can be set in the **Tyres** menu.

Vehicles capable of exceeding these speeds must have an appropriate **sticker** attached so that it is visible to the driver. Suitable stickers are available from the SEAT Official Service and specialised workshop. Please note the regulations to this effect in your country.

"All-weather" tyres can also be used instead of winter tyres.

### Using winter tyres with V-rating

Please note that the generally applicable 240 km/h (149 mph) speed for winter tyres with the letter V is subject to **technical restrictions; the maximum permissible speed for your vehicle may be significantly lower**. The maximum speed limit for these tyres depends directly on the maximum axle weights for your car and on the listed weight rating of the tyres being used.

It is best to contact a SEAT Official Service to check the maximum speed which is permissible for the V-rated tyres fitted on your car on the basis of this information.

**⚠ WARNING**

**Exceeding the maximum speed permitted for the winter tyres fitted on your car can cause tyre failure, resulting in a loss of control of the vehicle – risk of accident.**

**For the sake of the environment**

**When winter is over, change back to summer tyres at an appropriate moment. In temperatures above +7°C (+45°F), performance will be improved if summer tyres are used. Rolling noise, wear and energy consumption will all be reduced.**

## Snow chains

Snow chains **are only permitted on the front wheels**, even on **4-wheel drive** vehicles.

- Check that they are correctly seated after driving for a few yards; correct the position if necessary, in accordance with the manufacturer's fitting instructions.
- Keep your speed below 50 km/h (30 mph).
- If there is a danger of being trapped despite having fitted the chains, it is best to disable the traction control (TCS) in the ESC ››› page 188.

Snow chains will improve *braking ability* as well as *traction* in winter conditions.

[1] COC = *certificate of conformity.*

For technical reasons, the use of snow chains is only permitted on the following rim and tyre combinations:

| Tyres | Wheel rim | Chains |
|---|---|---|
| 195/65 R15 | 6Jx15 ET43 | Max. link 12 mm |
| 205/55 R16 | 6.5Jx16 ET46 | |
| 205/55 R16 | 7Jx16 ET43 | |
| 225/45 R17 | 7.5Jx17 ET46 | Max. link 9 mm |
| 205/50 R17 | 7.5Jx17 ET46 | |
| 225/40 R18 | 7.5Jx18 ET46 | |
| 225/35 R19 | 8Jx19 ET49 | |
| Other dimensions do not allow chains | | |

Remove any central wheel trims before fitting snow chains.

**⚠ WARNING**

**The use of unsuitable or incorrectly fitted chains could lead to serious accidents and damage.**

- **Always the appropriate snow chains.**
- **Observe the fitting instructions provided by the snow chain manufacturer.**
- **Never exceed the maximum permitted speeds when driving with snow chains.**

**ⓘ NOTICE**

- **Remove the snow chains to drive on roads without snow. Otherwise they will impair vehicle handling, damage the tyres and wear out very quickly.**
- **Wheel rims may be damaged or scratched if the chains come into direct contact with them. SEAT recommends the use of covered snow chains.**

# Changing a wheel

## Introduction

Only change a wheel yourself if you are familiar with the necessary operations and safety measures, if you have the necessary tools and if the vehicle is parked safely.

### Preliminary actions

- Stop the vehicle on a level surface and in a safe place, as far away from road traffic as possible.
- Apply the electronic parking brake.
- Switch on the hazard warning lights.
- *Manual transmission:* engage 1st gear.
- *Automatic transmission:* switch on the parking lock **P**.
- If towing a trailer, unhitch the trailer from your vehicle.
- Lay out the on-board tools ››› **page 323** and the wheel to be changed.
- Follow the legal provisions of each country (reflective vest, warning triangles, light beacon, etc.).
- Get all occupants out of the vehicle and keep them out of the danger zone (e.g. behind the guard rail).

**⚠ WARNING**

- **Always observe the above steps and protect yourself and other road users.**
- **If you change the wheel on a slope, block the wheel on the opposite side of the car with a stone or similar to prevent the vehicle from moving.**

## Location and use of the temporary spare wheel

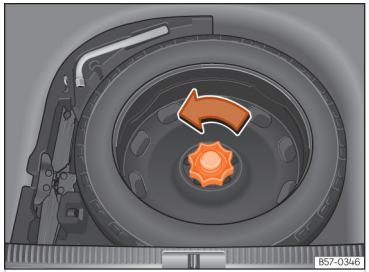


**Fig. 237** In the luggage compartment: raised load floor.

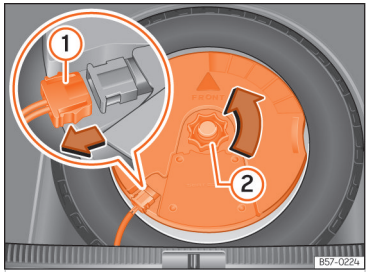


**Fig. 238** In the boot: remove the subwoofer.

The temporary spare wheel is stored under the floor panel in the luggage compartment and is attached by a thumbnut.

The temporary spare wheel has been designed to be used for short periods of time. Have the tyres checked and replaced as soon as possible at a SEAT Official Service or at a specialised workshop.

The spare wheel must not be switched for a spare wheel from another vehicle.

### Removing the temporary spare wheel

- Lift and hold up the floor panel to remove the temporary spare wheel ››› page 296.
- Turn the thumb wheel anticlockwise ››› Fig. 237.
- Take out the temporary spare wheel.

### Getting the spare wheel out of vehicles fitted with the optional sound system (with subwoofer)

To remove the spare wheel, you must first remove the subwoofer.

- *Vehicles without a variable floor in the luggage compartment:* pull the floor of the luggage compartment (carpet) upwards to get it out.
- *Vehicles with a variable luggage compartment floor:* lift and secure the floor storage compartment as explained in ››› page 296.
- Disconnect the subwoofer's speaker cable ››› Fig. 238 ①.
- Turn the securing wheel anti-clockwise ››› Fig. 238 ②.
- Remove the subwoofer speaker and the spare wheel.
- When re-mounting the spare tyre, place the subwoofer on the base of the wheel rim with care. When doing so, the tip of the "FRONT" arrow on the subwoofer should point forward.
- Reconnect the speaker cable and firmly rotate the securing wheel clockwise so that the subwoofer system and wheel are firmly in place.

### Chains

For technical reasons, snow chains must not be used on the temporary spare wheel.

If you have a puncture on one of the front wheels when using snow chains, fit the temporary spare wheel in place of one of the rear wheels. Fit the snow chains on the rear wheel that you have removed and replace the punctured front wheel with this wheel.

**⚠ WARNING**

- **After fitting the temporary spare wheel, check the tyre pressures as soon as possible. Failure to do so may cause an accident. The tyre pressure is listed on the back of the left front door frame ››› page 360.**
- **Do not drive at over 80 km/h (50 mph) when the temporary spare wheel is fitted on the vehicle: risk of accident!**
- **Never travel more than 200 km using a temporary spare wheel.**
- **Avoid heavy acceleration, hard braking and fast cornering: risk of accident!**
- **Never use more than one temporary spare wheel at the same time, risk of accident.**
- **No other type of tyre (normal summer or winter tyre) may be fitted on the compact temporary spare wheel rim.**
- **If you are driving using the spare wheel, the ACC system could automatically switch off during the journey. Switch off the system when starting off.**

## Integral wheel trim

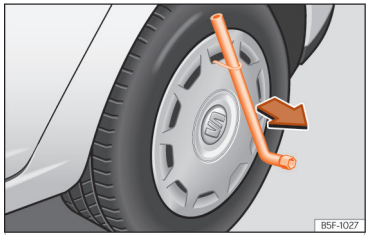


**Fig. 239** Remove the wheel cover.

The wheel covers must be removed for access to the wheel bolts.

### Removing

- Take the wheel brace and the wire hook from the vehicle tool kit››› page 323 .
- Hook the wire through one of the grooves of the trim.
- Insert the box spanner through the hook, rest it on the tyre and remove the wheel trim ››› Fig. 239.

### Fitting

- Press the trim against the wheel so that the hole for the valve fits over the tyre valve.
- Make sure that the trim is correctly fitted all the way around the wheel. If you are using an anti-theft wheel lock, screw it in the opposite position to the valve.

## Wheel bolt caps

**Fig. 240** Wheel: wheel bolts with caps.

### Removal

- Fit the plastic clip (vehicle tools ››› Fig. 207) over the cap until it clicks into place ››› Fig. 240.
- Remove the cap with the plastic clip.

The caps protect the wheel bolts and should be remounted after changing the tyre.

The **anti-theft wheel locking bolt** has a special cap. This only fits on anti-theft locking bolts and is not for use with standard wheel bolts.

## Anti-theft wheel nuts

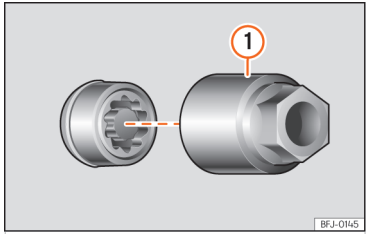


**Fig. 241** Anti-theft wheel bolt with cap and adapter.

### Loosening the anti-theft wheel bolt

- Remove the wheel trim or hub cap.
- Insert the special adapter ››› **Fig. 241** ① (vehicle tools ››› **page 323**) onto the anti-theft wheel bolt and push it on as far as it will go.
- Insert the wheel brace (vehicle tools) onto the adapter as far as it will go.
- Remove the wheel bolt ››› **page 367**.

**Note**

**Make a note of the code number of the anti-theft wheel bolt and keep it in a safe place, but not in your vehicle. If you need a new adapter, you can obtain it from the SEAT Official Service, indicating the code number.**

## Loosening wheel nuts

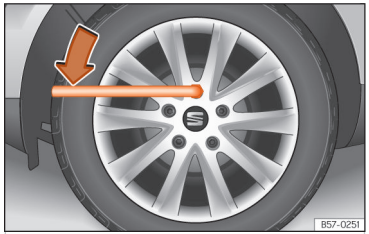


**Fig. 242** Tyre change: slacken the wheel bolts.

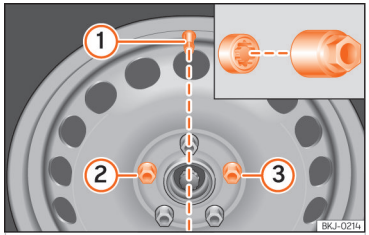


**Fig. 243** Tyre change: tyre valve ① and the correct position for the anti-theft wheel locking bolt ② or ③.

Use only the wheel wrench belonging to the car to loosen the wheel bolts.

Loosen the wheel bolts only about one turn before raising the vehicle with the jack.

If the wheel bolt is very tight, carefully push on the end of the wheel wrench with your foot. Hold on to the vehicle for support and take care not to slip during this operation.

### Loosening wheel nuts

- Fit the box spanner into the bolt as far as it will go ››› **Fig. 242**.
- Hold the wrench at the end and rotate the bolt approximately *one* turn anticlockwise ››› ⚠.

### Important information about wheel bolts

Factory-fitted rims and wheel bolts are specially matched during construction. Therefore, if different rims are fitted, the correct wheel bolts with the right length and heads must be used. This ensures that wheels are fitted securely and that the brake system functions correctly.

In certain circumstances, you should not even use wheel bolts from vehicles of the same model.

On wheels with integral hubcaps, the anti-theft wheel locking bolt must be screwed in the positions ››› Fig. 243 ② o ③, taking as reference the position of the tyre valve ①. Otherwise it will not be possible to mount the hubcap.

**⚠ WARNING**

**If the wheel bolts are not properly tightened, they could come loose while driving and cause an accident, serious injury and loss of vehicle control.**

- **Use only wheel bolts which correspond to the rim in question.**
- **Never use different wheel bolts.**
- **Wheel bolts and threads should be clean, free of oil and grease, and it should be possible to screw them easily.**
- **To loosen and tighten wheel bolts, only use the wheel wrench that came with the car from the factory.**
- **The wheel bolts should only be loosened slightly (about one turn) before raising the vehicle with the jack. Risk of accident!**
- **Never apply grease or oil to wheel bolts or to the wheel hub threads. Even if the bolts have been tightened to the prescribed torque, they could come loose while driving.**
- **Never loosen the screwed joints of wheel rims with bolted ring trims.**
- **If wheel bolts are tightened below the prescribed torque, the bolts and rims could come loose while driving. If tightening torque is too high, the wheel bolts or threads can be damaged.**

## Raise the vehicle

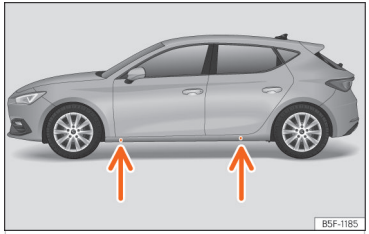


**Fig. 244** Jack position points.

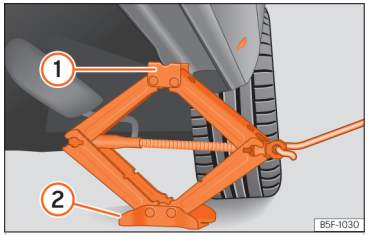


**Fig. 245** Crossbar: mounting the jack on the vehicle.

- Rest the jack (vehicles tools) on firm ground. If necessary use a large, strong board or similar support. If the surface is slippery (for example tiles) place the jack on a rubber mat or similar to prevent it from slipping ››› ⚠.
- Look on the strut for the mark of the jack support point (sunken area) closest to the wheel to be changed ››› Fig. 244.
- Turn the jack crank handle, located below the strut support point, to raise it until the tab ① ››› Fig. 245 is below the housing that is provided.
- Align the jack so that the tab ① "grips" onto the housing provided on the cross member and the mobile base ② is resting on the ground. The base plate ② should fall vertically with respect to the support point ① .
- Continue turning the jack until the wheel is slightly lifted off the ground.

**⚠ WARNING**

**The factory-supplied jack is only designed for changing wheels on this model. On no account attempt to use it for lifting heavier vehicles or other loads. Risk of injury.**

- **Make sure the jack remains stable. If the surface is slippery or soft, the jack could slip or sink, respectively, with the consequent risk of causing injuries.**
- **Lift the vehicle using only the jack supplied from the factory. Other jacks, even those approved for other SEAT models could slip, with the consequent risk of injury.**
- **Place the jack only at the support points provided on the strut and align it. Otherwise, the jack could slip because it does not have sufficient grip on the vehicle: risk of injury!**
- **You should never place a body limb such as an arm or leg under a raised vehicle that is solely supported by the jack.**
- **If you have to work underneath the vehicle, you must use suitable stands additionally to support the vehicle, there is a risk of accident!.**
- **Never raise the vehicle if it is tilting to one side or the engine is running.**
- **Never start the engine when the vehicle is raised. The vehicle may come loose from the jack due to the engine vibrations.**

**ⓘ NOTICE**

- **The vehicle must not be raised on the crossbar. Place the jack only at the support points provided on the strut and align it. Otherwise, the vehicle may be damaged.**
- **Any type of load or weight applied to the external trim/door will (stepped on, fitting the jack, resting heavy objects, etc.) can cause damage to it. SEAT accepts no responsibility for any damages caused by improper use of the external trim or body.**

## Removing and installing a wheel

Change the wheel after loosening the wheel bolts and raising the vehicle with the jack.

When removing/fitting the wheel, the rim may hit and damage the brake disc. Therefore, please take care and get a second person to assist you.

### Taking off the wheel

- Unscrew the bolts with the wheel wrench and place them on a clean surface.
- Remove the wheel.

### Putting on the spare wheel

Check the direction of rotation of the tyre ››› page 370.

- Place the spare wheel or temporary spare wheel into position.
- Screw in the wheel bolts and tighten them a little with the wheel wrench.
- Use the appropriate adapter to tighten the anti-theft wheel bolts.
- Carefully lower the vehicle using the jack.
- Use the wheel spanner to tighten all of the wheel nuts clockwise. Tighten the bolts in diagonal pairs (not in a circle).
- Put the caps, trim or full hubcap back on.

### Tightening torque of the wheel nuts

The prescribed tightening torque for wheel bolts for steel and alloy wheels is **140 Nm**.

After changing a wheel, have the tightening torque checked immediately with a torque wrench that is working perfectly.

The wheel bolts should be clean and turn easily. Before fitting the spare wheel, inspect the wheel condition and hub mounting surfaces. These surfaces must be clean before fitting the wheel.

**Before checking** tightening torque, have any rusty wheel bolts that are difficult to screw replaced and clean the wheel hub threads.

Never apply grease or oil to wheel bolts or to the wheel hub threads. Even if the bolts have been tightened to the prescribed torque, they could come loose while driving.

## Tyres with directional tread pattern

Tyres with directional tread pattern have been designed to operate best when rotating in only one direction. An arrow on the tyre sidewall indicates the direction of rotation on tyres with directional tread. Always observe the indicated direction of rotation in order to guarantee optimum grip and help avoid aquaplaning, excessive noise and wear.

If the tyre is mounted in the opposite direction of rotation, drive with extreme caution, as the tyre is no longer being used correctly. This is of particular importance when the road surface is wet. Change the tyre as soon as possible or remount it with the correct direction of rotation.

## Works after changing a wheel

- Replace the hub caps or wheel bolt caps (depending on equipment).
- Return all tools to their proper storing location.
- If the replaced wheel does not fit in the spare wheel housing, store it safely in the luggage compartment ››› page 292.
- Check the tyre pressure of the newly mounted tyre as soon as possible.
- In vehicles fitted with a tyre pressure indicator, adjust the pressure and store it in memory ››› page 370.
- Have the tightening torque of the wheel nuts checked as soon as possible with a torque wrench ››› page 369. Meanwhile, drive carefully.
- Have the flat tyre replaced as quickly as possible.

# Tyre pressure monitor system

## Tyre pressure monitor indicator

**Fig. 246** Instrument cluster: warning of loss of tyre pressure.

The tyre pressure monitoring system compares the individual speeds of each wheel and thus the dynamic radius with the help of the ABS sensors.

If the rolling circumference of one or more wheels has changed, the tyre pressure monitoring indicator will indicate this on the instrument panel through a warning lamp and a warning to the driver ››› Fig. 246. If only one tyre is affected, its position on the vehicle will be indicated.

**(!) Loss of pressure: Check left tyre pressure!**

### Change in wheel diameter

The wheel diameter changes when:

- Tyre pressure is changed manually.
- The tyre pressure is insufficient.
- The tyre's structure is damaged.
- The vehicle is not level due to a load.
- The wheels on an axle are subject to a heavier load (e.g. with a heavy load).
- The vehicle is fitted with snow chains.
- The temporary spare wheel has been fitted.
- One wheel has been changed on an axle.

There may be a delay in the reaction of the tyre pressure monitoring indicator (!) or it may not indicate anything under certain circumstances (e.g. sporty driving, snow-covered or unpaved roads, or when driving with snow chains).

### Calibrate the tyre pressure monitoring indicator

After changing the tyre pressure or replacing one or more wheels, the tyre pressure monitoring indicator must be recalibrated. This should also be done, for example, when switching the front and rear tyres.

It should be calibrated with the vehicle stopped and its tyres cold. If calibrated while the tyres are hot, the pressure check and calibration procedure should be repeated when cold before the next trip.

- Switch the ignition on.
- Save the new inflation pressure in the Infotainment system: function button ⊞ > 🚗 **Vehicle > Vehicle > Exterior > Tyres** ››› page 39.
- **OR:** ⊞ > 🚗 **Vehicle > Status > Tyre pressure**.

After storing the new inflation pressure, a confirmation message will be displayed, the warning light in the instrument cluster will flash briefly and a driver alert tone will be played.

The tyre pressure loss indicator uses the ABS sensors to compare the turns of each wheel and, therefore, their tread circumferences, among other aspects. The set values are collected and monitored after a long journey at different speeds.

For example, if the wheels are under very heavy loads, the tyre pressure must be increased to the total recommended tyre pressure before calibration ››› Fig. 246.

**⚠ WARNING**

**If the tyres are inflated to different pressures, or to a pressure that is too low, a tyre may be damaged and control of the vehicle may be lost. This could lead to a serious or even fatal accident.**

- **If the lamp (!) lights up, reduce speed immediately and avoid any sudden turning or braking manoeuvres. Stop as soon as possible, and check the pressure and status of all tyres.**
- **The tyre pressure loss indicator only works correctly if all the tyres are at the correct pressure when cold, and it is subsequently calibrated according to the described procedure.**
- **If the tyres have no punctures and do not need to be replaced immediately, drive to the nearest specialist workshop at low speed and have the tyre pressure checked and corrected.**

**Note**

- **When driving for the first time with new tyres at high speeds, the tyres may expand slightly, which may result in an air pressure warning.**
- **If a low tyre pressure is detected when the ignition is switched on, an audible warning will sound. If the system fails, an audible signal sounds.**
- **Driving on unpaved roads for a long period of time, or sporty driving, may temporarily deactivate the system. The warning lamp shows a fault, but disappears when road conditions or driving behaviour change.**
- **Do not only rely on the tyre pressure monitoring system. Check the tyres regularly to ensure that the tyre pressures are correct and that the tyres are free of damage such as punctures, cuts, gouges and dents. Remove any non-puncturing objects from the tyres.**
- **The tyre pressure monitoring indicator does not function when there is a fault in the ESC or ABS** ››› page 186.

## Troubleshooting

### (!) Low tyre pressure

The control lamp switches on yellow.

The inflation pressure of one or more wheels is much lower than the value set by the driver, or the tyre has structural damage. In addition, a audible warning sounds and a text message is displayed on the instrument panel screen.

- STOP **Stop the vehicle!** Stop the vehicle safely as soon as possible.
- Check all tyres and pressures.
- Replace any damaged tyres.

### Fault in the tyre pressure loss indicator

The control lamp flashes for approximately 1 minute and then lights up permanently in yellow.

- If the tyre is inflated correctly, switch the ignition off and on again.
- Re-calibrate the tyre pressure monitoring system ››› page 370
- If the fault continues, go to a specialised workshop.

# Tyre repair

## TMS (Tyre Mobility System) puncture repair kit

The puncture repair kit (Tyre Mobility System) will reliably seal punctures caused by the penetration of a foreign body of up to about **4 mm** in diameter. **Do not remove foreign objects, e.g. screws or nails, from the tyre.**

After inserting the sealant residue in the tyre, you must again check the tyre pressure about 10 minutes after starting the engine.

You should only use the tyre mobility set if the vehicle is parked in a safe place, you are familiar with the procedure and you have the necessary tyre mobility set. Otherwise, you should seek professional assistance.

**Tyre sealant must not be used in the following cases:**

- If the wheel rim has been damaged.
- In outside temperatures below -20°C (-4°F).
- If the cut or punctures in the tyres are larger than 4 mm.
- If the tyre has been driven on with very low inflation pressure or no tyre pressure.
- If the expiry date of the sealant bottle has passed.

**⚠ WARNING**

**Using the puncture repair kit can be dangerous, particularly when filling the tyre on the roadside. To reduce the risk of serious injury, consider the following:**

- **Stop the vehicle as soon as possible in a safe place. Park it at a safe distance from road traffic to fill the tyres.**
- **Make sure the ground is flat and firm.**
- **All occupants, especially children, should stay a safe distance away from the work area.**
- **Turn on the hazard lights to warn other road users.**
- **Always stop the engine, apply the electronic parking brake and put it in gear if fitted with a manual gearbox, or press the parking lock button P if fitted with an automatic gear box, to reduce the risk of involuntary movement of the vehicle .**
- **Use the puncture repair kit only if you are familiar with the necessary operations. Otherwise, you should seek professional assistance.**
- **The puncture repair kit should only be used in an emergency, to reach the nearest garage.**
- **Replace tyres repaired with the puncture kit as soon as possible.**
- **The sealant is harmful to health and must be cleaned off immediately if it comes into contact with the skin.**
- **Always keep the puncture repair kit out of the reach of children.**

**⚠ WARNING**

**A tyre filled with sealant does not have the same driving properties as a conventional tyre.**

- **Never drive faster than 80 km/h (50 mph).**
- **Avoid full throttle, braking heavily and cornering at high speeds.**
- **Drive for only 10 minutes at a maximum speed of 80 km/h (50 mph) and then check the tyre.**

**For the sake of the environment**

**Dispose of used or expired tyre sealant in accordance with the relevant legal requirements.**

**Note**

**You can purchase new bottles of tyre sealant from SEAT dealers.**

**Note**

**Take into account the separate instruction manual provided by the tyre mobility system manufacturer.**

## Anti-puncture kit contents

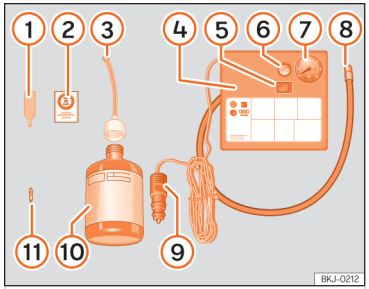


**Fig. 247** Standard display: contents of the anti-puncture kit.

The anti-puncture kit is located underneath the floor covering in the luggage compartment. Includes the following components ››› Fig. 247:

1. Valve insert remover
2. A sticker to be adhered to the instrument cluster, within the driver's visual field, to remind that the maximum advisable speed "max. 80 km/h" or "max. 50 mph"
3. Filler tube with cap
4. Air compressor (depending on the version, the model may vary).
5. ON/OFF switch
6. Air bleed screw (it can also be integrated in the inflator tube).
7. Warning provided by tyre pressure monitoring system (it can also be integrated in the inflator tube).
8. Tube for inflating tyres
9. 12 volt connector
10. Bottle of sealant
11. Spare tyre valve

The **valve insert remover** (1) has a gap at the lower end for a valve insert. The valve insert can only be screwed or unscrewed in this way. This also applies to its replacement part (11).

## Sealing and inflating a tyre

### Sealing the tyre

- Unscrew the tyre valve cap and insert. Use the device ››› Fig. 247 (1) to remove the valve cap. Place it on a clean surface.
- Shake the tyre sealant bottle vigorously ››› Fig. 247 (10).
- Screw the tyre inflation hose ››› Fig. 247 (3) into the tyre sealant bottle. The bottle's seal will break automatically.
- Remove the filler cap ››› Fig. 247 (3) and screw the open end of the tube into the tyre valve.
- With the bottle upside down, empty **all** of the contents into the tyre.
- Remove the bottle from the valve.
- Replace the howitzer with the device ››› Fig. 247 (1) onto the tyre valve.

### Inflating the tyre

- Screw the tyre inflation tube of the compressor ››› Fig. 247 (8) on the tyre valve.
- Check that the air evacuation screw is closed ››› Fig. 247 (6).
- Start the engine and leave it running.
- Attach the connector ››› Fig. 247 (9) to the vehicle's 12 volt power outlet ››› **page 245**.
- Switch on the air compressor with ON/OFF switch ››› Fig. 247 (5).
- Keep the air compressor running until it reaches a pressure of 2.0-2.5 bar (29-36 psi/ 200-250 kPa). **A maximum of 8 minutes**.
- Disconnect the air compressor.
- If it does not reach the pressure indicated, unscrew the tyre inflator tube from the valve.
- Move the vehicle 10m so that the sealant is distributed throughout the tyre.

- Screw the compressor tyre inflator into the valve.
- Repeat the inflation process.
- If it still does not come up to pressure, the tyre is too badly damaged. Stop and seek assistance from authorised personnel.
- Disconnect the air compressor. Unscrew the tyre inflation tube from the tyre valve.
- When the tyre pressure is between 2.5 and 2.0 bars, continue driving without exceeding 80 km/h (50 mph).
- Attach the sticker ››› Fig. 247 ② to the instrument panel display, within the driver's field of vision.
- Check the pressure again after 10 minutes ››› page 374.

**⚠ WARNING**

**When inflating the wheel, the air compressor and the inflator tube may become hot.**

- **Protect hands and skin from hot parts.**
- **Do not place the hot flexible inflator tube or hot air compressor on flammable material.**
- **Allow them to cool before storing the device.**
- **If it is not possible to inflate the tyre to at least 2.0 bars (29 psi / 200 kPa), the tyre is too badly damaged. The sealant is not in a good condition to seal the tyre. Do not continue driving. Seek specialist assistance.**

**ⓘ NOTICE**

**Switch off the air compressor after a maximum of 8 operational minutes to avoid overheating! Before switching on the air compressor again, let it cool for several minutes.**

## Check after 10 minutes of driving

Screw in the inflator tube ››› Fig. 247 ⑧ again and check the pressure on the gauge ⑦.

**1.3 bar (19 psi / 130 kPa) and lower:**

- **Stop the vehicle!** The tyre cannot be sealed sufficiently with the tyre mobility set.
- You should obtain professional assistance ››› ⚠.

**1.4 bar (20 psi/140 kPa) and higher:**

- Set the tyre pressure to the correct value again.
- Carefully resume your journey until you reach the nearest specialised workshop without exceeding 80 km/h (50 mph).
- Have the damaged tyre replaced.

**⚠ WARNING**

**Driving with an unsealed tyre is dangerous and can cause accidents and serious injury.**

- **Do not continue driving if the tyre pressure is 1.3 bar (19 psi / 130 kPa) and lower.**
- **Seek specialist assistance.**

# Maintenance

## Service

### Service work and the Digital Maintenance Plan

**Log of services performed ("Digital Maintenance Plan")**

The SEAT dealership or a specialised workshop records Service receipts in a central system. Thanks to this comprehensive documentation of the service history, it is possible to reproduce the services performed any time. SEAT recommends requesting a Service receipt after every service carried out containing all the services carried out on the system.

Whenever there is a new service the receipt is replaced with a current one.

**The Digital Maintenance Plan is not available in some markets. In this case, your SEAT dealer will inform you about the current documentation of the work.**

**Service works**

In the Digital Maintenance Plan, your SEAT authorised service or specialised workshop documents the following information:

- When each one of the services was carried out.
- Whether a specific repair has been suggested, e.g. changing the brake pads in the near future.
- If you have expressed a special request for the maintenance. Your Service Advisor will write the work order.
- The components or fluids that were changed.
- The date of the next service.

The Long Life Mobility Warranty is valid until the next inspection. This information is documented in all checks performed.

The type and the volume of the service may vary from one vehicle to another. A specialised workshop will be able to provide specific information on the jobs for your vehicle.

**⚠ WARNING**

**If the services are insufficient or not performed and if the service intervals are not observed, the vehicle may be immobilised in traffic cause an accident and severe injuries.**

- **Make sure that any repairs are carried out by a SEAT authorised service or specialised workshop.**

**ⓘ NOTICE**

**SEAT cannot be held liable for any damage to the vehicle due to insufficient work or of lack of availability of spare parts.**

**ⓘ Note**

**Regular services on the vehicle not only maintain its value, but also its correct operation and road safety. For this reason, conduct the services in accordance with SEAT guidelines.**

### Set Service or Flexible Service Intervals

Services are classified as **oil change service** and **inspection**. The service interval display on the instrument panel display serves as a reminder of the next service.

Depending on the features, the engine and the conditions of use of the car, either the **Fixed service** or the **Flexible service** will be applied for an oil change service..

**How to know which type of service needs to his vehicle**

Check the tables below:

| Oil change service[a] | | |
|---|---|---|
| PR No. | Type of service | Service interval |
| QI1 | Fixed | Every **5000 km** or after **1 year**[b] |
| QI2 | | Every **7500 km** or after **1 year**[b] |
| QI3 | | Every **10000 km** or after **1 year**[b] |
| QI4 | | Every **15000 km** or after **1 year**[b] |
| QI6 | Flexible | According to the service interval display. |

[a] The data are based on normal conditions of use.
[b] Whatever happens first.

| Inspection Service[a] |
|---|
| According to the service interval display. |

[a] The data are based on normal conditions of use.

### Particular characteristics of the Flexible Service

Regarding the **Flexible Service** the oil change service only has to be performed when the vehicle needs it. To calculate when you have to carry out this service, take into account the individual conditions of use and personal driving style. A major component of the flexible service the use of LongLife oil instead of conventional engine oil.

Bear in mind the information about the specifications of the engine oil according to the VW standard ››› page 345.

**If you do not want to the flexible service you can select the fixed service. However, a fixed service may affect service costs.** The Service Advisor will gladly advise you.

At SEAT, the dates of the services are indicated by the service intervals display:

- on the instrument panel ››› page 25
- in the infotainment system: > **Settings** > **Service** menu.

**OR:** > **Vehicle status** > **Service** ››› page 39.

The service interval display gives information for service dates that involve an engine oil change or an inspection. When the time for the corresponding service comes, additional work required, such as the change of brake fluid and the spark plugs, can be carried out.

## Information about the terms of use

The service intervals and groups are usually based on **normal conditions of use**.

If, on the other hand, the vehicle is under **adverse conditions of use**, some of the work must be carried out before the next service period or even between service intervals.

**Conditions of use adverse include:**

- The use of fuel with a high sulphur content.
- Frequent short trips.
- Letting the engine idle for a long period of time, as in the case of taxis.
- Using the vehicle in areas with thick dust.
- Frequent driving with a trailer (depending on equipment).
- Using the vehicle mostly in situations with a lot of traffic and stops (e.g. in the city).
- Using the vehicle mostly in winter.

**This applies especially for the following parts (depending on equipment):**

- Dust and pollen filter
- Air Care allergen filter
- Air filter
- Toothed chain
- Particulate filter
- Engine oil

**The Service Advisor of your specialised workshop will gladly inform you** about the need of performing service work between normal service intervals, always considering the conditions of use of your vehicle.

**⚠ WARNING**

**If the services are insufficient or not performed and if the service intervals are not observed, the vehicle may be immobilised in traffic and cause accidents and severe injuries.**

- **Have the services conducted at authorised SEAT services or specialised workshops.**

**ⓘ NOTICE**

**SEAT cannot be held liable for any damage to the vehicle due to insufficient work or of lack of availability of spare parts.**

### Service sets

Sets of services include all the **maintenance works** needed to ensure the safety and the smooth running of the vehicle (**depending on the conditions of use and the features of the vehicle**, such as the engine, gearbox, or operating fluids).

Maintenance services are divided into *inspection* and *review* services. Consult the details of the jobs required for your vehicle at:

- Your SEAT authorised service
- Your specialised workshop

Due to technical reasons (continuous development of components) the sets of services may vary. Your SEAT authorised service or specialised workshop is always receiving updates in time.

## Additional service offers

### Approved spare parts

Original SEAT Spare Parts have been conceived for their vehicles and approved by SEAT, with a special emphasis on safety. These parts correspond exactly to the manufacturer's requirements in terms of design, accuracy of the measurements and materials. The original SEAT Spare Parts have been conceived exclusively for your vehicle. For this reason, we always recommend the use of Original SEAT Spare Parts. SEAT cannot be held liable for the safety and suitability of parts from other manufacturers.

### Approved spare parts

Approved spare parts, following the manufacturer's requirements, are an additional service to you, offering the possibility of replacing complete sets, such as: light engine, gearboxes, heads, control units, electrical components, etc.

These parts are, **approved parts**, and are the same as the factory parts, which are also approved spare parts.

### Original accessories

We recommend you only use SEAT Original Accessories and SEAT approved accessories for your vehicle. The reliability, safety and suitability of these accessories have been inspected specifically for this type of vehicle. SEAT cannot be held liable for the safety and suitability of parts from other manufacturers.

### Service Mobility

As of the moment you purchase your SEAT vehicle you will be able to enjoy the benefits and coverage of Service Mobility.

For the first two years after the purchase, your new SEAT vehicle is automatically covered by Service Mobility at no additional cost.

If you wish to enjoy this service after this period, you can extend SEAT Service Mobility as long as you carry out the recommended Inspection and Maintenance Services at a SEAT Authorised Service.

If your SEAT vehicle is immobilised due to a fault or an accident, our assistance services will help you keep moving.

Take into account that the SEAT Mobility Service differs depending on the country in which the vehicle was purchased. For further information ask your SEAT dealership or the SEAT website in your country.

# Vehicle upkeep and cleaning

## Basic observations

Regular and careful care helps to maintain the value of your vehicle. In addition, it may become a prerequisite to demand the warranty in the event of corrosion damage and deficiencies in the paint coat of the bodywork.

Specialised workshops have the necessary care products. Please follow the instructions for application on the packaging.

**⚠ WARNING**

- **Cleaning products and other materials used for car care can be damaging to your health if misused.**
- **Always keep care products in a safe place, out of the reach of children. Danger of poisoning!**

**For the sake of the environment**

- **When purchasing car care products, chose products that are compatible with the environment.**
- **The waste from car-care products should not be disposed of with ordinary household waste.**

## Washing the vehicle

The longer you take to clean the tanks, e.g. remains of insects, bird excrements, tree resin or anti frost salt adhered to your vehicle, the more damage it can cause to the surface. High temperatures, for instance strong sunlight, further intensify the damage.

Before washing the car, soften the dirt using plenty of water.

To remove encrusted dirt such as insects, bird droppings or tree resin, use a lot of water and a microfibre cloth.

Have the underside of the vehicle washed after the end of the anti frost salts in winter.

### High pressure cleaning equipment

When washing the vehicle with a high-pressure cleaner, always follow the operating instructions for the equipment. This applies particularly to the operating pressure and the distance between the spraying water.

Do not aim the jet directly towards the side windows, doors, sunroof or covers; the same applies for the tyres, rubber hoses, damping material, sensors or camera lenses. Keep a distance of at least 40 cm.

Do not remove snow and ice with a high-pressure cleaner.

Do not use a nozzle that sprays the water out in a direct stream or one that has a rotating jet for forcing off dirt.

The water temperature must not exceed 60°C.

### Automatic car washes

Spray the vehicle before starting the car wash.

Make sure that the windows and sunroof are closed and the wipers are deactivated. Bear in mind the instructions of the car wash tunnel operator, especially if your vehicle has detachable parts.

Use of car washes without brushes if possible.

### Washing by hand

Clean your vehicle from top to bottom with a soft sponge or with a brush. Only use cleaning products that do not contain solvents.

### Polishing

Polishing is only necessary when the vehicle's paintwork has lost its gloss and cannot be restored with care products.

Do not polish matt painted surfaces! If the paintwork is polished, the surface will be irreparably damaged.

### Washing vehicles with matte paintwork

**To wash the vehicle, it is best to use a special cleaner for matte paintwork.** For further information, please contact an official service centre.

Apply the product by spraying it onto the bodywork. Work in one zone at a time and leave the product to act for at least 2 minutes. Wipe it with a microfibre cloth and **avoid placing excessive pressure** on the treated area until the dirt is removed. Once clean, repeat the application of the product area by area and spread it until a uniform finish is achieved.

If the vehicle is affected by mosquitoes or larger amounts of dirt, spray the product on the entire surface, leave it to act for 2 minutes and apply pressurised water until it is completely clean. Once dry, apply the product one zone at a time and spread it with microfibre, **avoiding excessive pressure,** to achieve a uniform finish.

In both cases, the final application cares for the vehicle in an optimal manner and provides a protective layer against dirt and water.

**⚠ WARNING**

- **Only wash the vehicle with the ignition switched off or according to the specifications of the car wash tunnel operator. Accident hazard!**
- **When cleaning the underbody or the inside of the wheel arches, protect yourself from sharp or pointy metal parts. Risk of cuts!**

- **After cleaning the brakes could act more slowly due to moisture or, in winter, the ice on the brake discs and pads. Accident hazard! In this case the brakes should be dried by pressing the brake pedal several times.**

**⚠ WARNING**

**Incorrect use of high-pressure cleaning equipment can cause damage. This can lead to accidents and serious injuries.**

- **Never direct the jet of the high-pressure cleaning equipment directly at the orange high-voltage cables, the high-voltage system components or the 12-volt on-board network.**

**ⓘ NOTICE**

- **Before washing the vehicle in an automatic car wash, the exterior mirrors should be folded in to prevent them from being damaged. The electric folding exterior mirrors should only be folded or unfolded electrically!**
- **Do not wash the vehicle in direct sunlight. Risk of damaging the paint job!**
- **Do not use sponges, abrasive household sponges or similar to clean insect remains. Risk of damaging the surface!**

- **Vehicle parts with matte paint:**
  - **Do not use polish or hard wax. Risk of damaging the surface!**
  - **Never select washing programmes that include the use of wax. This could damage the appearance of matte paint.**
  - **Do not put stickers or magnets on parts with matte paint, as removing them may damage the paint.**

**For the sake of the environment**

**The car should only be washed in special wash bays. These places are prepared to prevent oily water from getting into the public drains.**

## Cleaning the exterior

Below can be found some recommendations on the cleaning and upkeep of individual vehicle components.

Go to your specialised workshop if you have special questions or parts that are not listed.

Take the general considerations into account ››› page 381, *Take special care with...*.

### Windscreen wipers

- *Dirt:* Soft cloth with windscreen cleaner.

### Headlights / Tail lights

- *Dirt:* Soft sponge with neutral soap solution[1].

### Sensors / Camera lenses

- *Dirt:*
  - *Sensors*: soft cloth with a solvent-free cleaning product.
  - *Camera lenses*: soft cloth with an alcohol-free cleaning product.
- *Snow/ice:* Hand brush/Solvent-free antifreeze spray

### Wheels

- *Antifreeze salt:* Water.
- *Brake abrasion dust:* Special acid-free cleaning product.

### End exhausts

- *Antifreeze salt:* Water, if a fine steel cleaning product is required, or a non-abrasive and non-corrosive cleaning product.

### Covers / Trims

- *Dirt:* Neutral soap solution[1], if a fine steel cleaning product is required.

### Paint

- *Paint flaws:* Check the paint's colour code at an authorised service and restore with a touch-up pencil.
- *Spilled fuel:* Immediately rinse with water.
- *Tank with environmental rust:* Apply rust remover and then apply hard wax. Go you your specialised workshop if you have any queries.
- *Corrosion:* Have your specialised workshop take care of this.
- *Water does not form droplets on the clean paint:* Maintain with hard wax (at least twice a year).
- *No shine despite maintenance/unattractive paint:* Treat with suitable wax and apply paint preservative afterwards if the wax used does not contain preservative ingredients.
- *Tanks, e.g. insect remains, bird droppings, tree sap, road salt:* Immediately soak with water and remove with a microfibre cloth.
- *Grease-based dirt, e.g. cosmetic products or sunscreen:* Remove immediately with a neutral soap solution[1] and a soft cloth.

### Carbon fibre parts

- *Dirt:* Clean in the same way as painted parts ››› page 378.

### Decoration slides

- *Dirt:* Soft sponge with neutral soap solution[1].

## Interior cleaning

Below can be found some recommendations on the cleaning and upkeep of individual vehicle components.

Go to your specialised workshop if you have special questions or parts that are not listed.

Take the general considerations into account ››› page 381, *Take special care with...*.

### Windows

- *Dirt:* Apply windscreen cleaner and then dry with a cloth.

### Covers / Trims

- *Dirt:* Neutral soap solution[1].

### Plastic parts

- *Dirt:* Damp cloth.
- *Encrusted dirt:* Neutral soap solution[1], if possible a solvent-free plastic cleaning product.

### Displays/instrument panel

- *Dirt:* Soft cloth with a liquid crystal display cleaner.

---

[1] Neutral soap solution: maximum of two tablespoons in 1 l of water.

### Control panels

- *Dirt:* Soft brush, then a soft cloth with a neutral soap solution[1].

### Seat belts

- *Dirt:* Neutral soap solution[1], allowed to dry before retracting.

### Fabrics, artificial, Alcantara leather

- *Particles of dirt stuck to surfaces:* Vacuum cleaner.
- *Water-based dirt, e.g. coffee, tea, blood etc.:* Absorbent cloth and neutral soap solution[1].
- *Grease-based dirt, e.g. oil, make-up, etc.:* Apply a neutral soap solution[1]. Absorb the dissolved grease and paint particles drying with an absorbent cloth, in case you must treat it with water afterwards.
- *Special dirt, e.g. pens, nail polish, dispersion paint, shoe polish, etc.:* Special stain remove: dry with an absorbent cloth, if applicable, apply neutral soap solution afterwards[1].

### Natural leather

- *Recent dirt:* Cotton cloth with neutral soap solution[1].
- *Water-based dirt, e.g. coffee, tea, blood etc.:*
  - *Recent stains:* absorbent cloth.
  - *Dry stains:* stain remover suitable for leather.
- *Grease-based dirt, e.g. oil, make-up, etc.:*
  - *Recent stains:* absorbent cloth and suitable stain remover for leather.
  - *Dry stains:* grease solvent spray.
- *Special dirt, e.g. pens, nail polish, dispersion paint, shoe cream etc.:* Stain remover suitable for leather.
- *Care:* Apply preservative cream regularly to protect from sunlight. Use a coloured preservative if required.

### Carbon fibre parts

- *Dirt:* Clean as with plastic parts.

## Take special care with...

### Headlights/tail lights

- Do not clean the headlights/tail lights with a dry cloth or sponge.
- Do not use cleaning products that contain alcohol. Risk of cracks!

### Wheels

- Do not use for paint wax or other abrasive products.
- If the protective coating on the paint of the rim has been damaged due to stone impacts, scratches, etc., the damage should be repaired immediately.

### Camera lenses

- Do not use hot or warm water to remove ice or snow from the camera lenses. Risk of cracking the lens!
- To clean the camera lens, never use abrasive cleaning products or products with alcohol. Risk of scratches and cracks!

### Windows

- Remove snow and ice from windows and exterior mirrors with a plastic scraper only. To avoid scratches, the scraper should only be pushed in one direction and not moved to and fro.
- Never remove snow or ice from windows and rearview mirrors with warm or hot water. Risk of cracks on the windows!
- To prevent damage to the heating of the rear window, do not put stickers over the heating elements.

---

[1] Neutral soap solution: maximum of two tablespoons in 1 l of water.

### Covers/trims

- Do not use cleaning products or chrome based cleaning agents.

### Paint

- The vehicle must be free from dirt and dust before applying wax or care products. Risk of scratches!
- Do not apply wax or care products if the vehicle is exposed to direct sunlight. Risk of damaging the paint job!
- The ambient rust deposits must not be removed through friction. Risk of damaging the paint job!
- Remove cosmetic products and sunlight immediately. Risk of damaging the paint job!

### Displays/instrument panel

- The displays, the instrument panel and the trim around it must not be cleaned dry. Risk of scratches!
- Make sure that the instrument panel is switched off and cooled down before cleaning.
- Make sure that no liquid leaks between the instrument panel and the trim. Risk of damage!

### Control panels

- Make sure that no liquid leaks into the control panels. Risk of damage!

### Seat belts

- Do not remove the seat belts to clean them.
- Seat belts and their components must never be cleaned with chemical products, nor should they be allowed to come into contact with corrosive liquids, solvents or sharp objects. Risk of damaging the fabric!
- If you find any damage to the belt webbing, belt fittings, the belt retractor or the buckle, ask your specialised workshop to replace the belt in question.

### Fabrics/artificial leather/microfibre

- Do not treat artificial leather/microfibre with leather cleaning products, solvents, wax polish, shoe cream, stain removers or similar products.
- If the stain is very hard to remove, take the vehicle to a specialised workshop to have it removed there. This will prevent damage.
- Do not use steam cleaners, brushes, hard sponges, etc. to clean.
- Do not turn on seat heating to dry the seats.
- Sharp objects on clothing, such as zips, rivets or belts can damage the surface.
- Open Velcro, e.g. on clothes can damage the seat upholstery. Make sure that Velcro fasteners are closed.

### Natural leather

- Never use solvents, wax polish, shoe cream, spot removers or similar products on leather.
- Sharp objects on clothing, such as zips, rivets or belts can damage the surface.
- Do not use steam cleaners, brushes, hard sponges, etc. to clean.
- Do not turn on seat heating to dry the seats.
- Avoid exposing leather to direct sunlight for long periods, otherwise it may tend to lose some of its colour. If the car is left for a prolonged period in the bright sun, it is best to cover the leather.

**⚠ WARNING**

**Do not use water-repellent coatings on the windscreen. In bad visibility conditions such as humid weather, darkness or when the sun is in its lowest point, visibility may be impacted. Accident hazard! Such coatings can also cause the windscreen wiper blades to make noise.**

**Note**

- **Remains of insects can be removed much more easily with previously treated paint.**
- **Regular car care treatments can prevent deposits of ambient rust.**

## Remove the vehicle from traffic

If you want to leave your vehicle stationary for a long period of time, contact a qualified workshop. They will gladly inform you about the necessary measures, such as anti-corrosion protection, Service and storage.

Also take into account the indications relating to the vehicle's battery ››› page 349 , ››› page 349, *Introduction*.

# Accessories, spare parts and repair work

## Introduction

Always ask your dealer or specialist retailer for advice before purchasing accessories and replacement parts.

Your vehicle is designed to offer a high standard of active and passive safety. For this reason, we recommend that you ask a SEAT Official Service for advice before fitting accessories or replacement parts. Your SEAT Official Service has the latest information from the manufacturer and can recommend accessories and replacement parts which are suitable for your requirements. They can also answer any questions you might have regarding official regulations.

We recommend only using **SEAT accessories** and **genuine SEAT parts®**. SEAT has tested these parts and accessories for suitability, reliability and safety. SEAT Official Services have the necessary experience and facilities to ensure that the parts are installed correctly and professionally.

Although SEAT continuously monitors the market, it cannot judge whether products **not authorised by SEAT** meet the vehicle's reliability, safety and suitability requirements. SEAT therefore accepts no liability for these products, even if, in certain cases, they are authorised by an officially recognised technical inspection institute or official body.

Any **retro-fitted equipment** which has a direct effect on the vehicle and/or the way it is driven, such as a cruise control system **or electronically-controlled suspension**, must be approved for use in your vehicle and bear the **e** mark (the European Union's authorisation symbol).

If **any additional electrical devices** are fitted which do not serve to control the vehicle itself (for instance a refrigerator box, laptop or ventilator fan, etc.), they must bear the CE marking (manufacturer conformity declaration in the European Union).

**⚠ WARNING**

**Accessories, for example telephone holders or cup holders, should never be fitted on the covers, or within the working range of the airbags. Otherwise, there is a danger of injury if the airbag is triggered in an accident.**

## Technical modifications

Unauthorised modifications to the electronic components, software, wiring or data transfer in the vehicle may cause malfunctioning.

You will appreciate that your SEAT dealership cannot be held liable for any damage caused by modifications and/or work performed incorrectly.

For this reason we recommend asking official SEAT service centres to do any necessary work using **genuine SEAT** parts®.

**⚠ WARNING**

**Incorrectly performed modifications or other work on your vehicle can lead to malfunctions and cause accidents.**

## Radio telephones and office equipment

### Radio transmitters (fixed installation)

Any retrofit installations of radio transmitters in the vehicle require prior approval. SEAT generally authorises in-vehicle installations of approved types of radio transmitters provided that:

- The antenna is installed correctly.
- The aerial is installed on the exterior of the vehicle (and shielded cables are used together with non-reflective aerial trimming).
- The effective transmitting power does not exceed 10 Watts at the aerial base.

A SEAT Official Service and specialised workshop will be able to inform you about options for installing and operating radio transmitters with a higher transmitting power.

### Mobile radio transmitters

Commercial mobile telephones or radio equipment might interfere with the electronics of your vehicle and cause malfunctions. This may be due to:

- No external aerial.
- External aerial incorrectly installed.
- Transmitting power more than 10 W.

You must, therefore, do not operate portable mobile telephones or radio equipment *inside the vehicle* without a properly installed external aerial ››› ⚠.

Please note also that the maximum range of the equipment can only be achieved with an *external* aerial.

### Business equipment

Retrofit installation of business or private equipment in the vehicle is permitted, provided the equipment cannot interfere with the driver's immediate control of the vehicle and that any such equipment carries the CE mark. Any retrofit equipment that could influence the driver's control of the vehicle must have a type approval for your vehicle and must carry the **e** mark.

**⚠ WARNING**

**Mobile telephones or radio equipment which is operated inside the vehicle without a properly installed external aerial can create excessive magnetic fields that could cause a health hazard.**

**Note**

- **The posterior fitting of electric and electronic equipment in this vehicle affects its licence and could lead to the withdrawal of the vehicle registration document under certain circumstances.**
- **Please use the mobile telephone/radio operating instructions.**

# Information for the user

## Warranty

### Fault-free operation warranty

SEAT Authorised Services ensure the perfect condition of new vehicles. Check the purchase agreement or complementary additional documentation provided by your Technical Service to see the conditions and the terms of the warranty. Consult further information in this regard in your SEAT Official Service.

### Commercial warranty for high voltage batteries for electric and hybrid vehicles

To supplement the aforementioned warranties and guarantees, SEAT Official Services also grant a guarantee for high voltage batteries existing in many countries.

Consult the details of this guarantee in the sales contract or contact a SEAT Official Service.

## Information stored by the control units

### Storage of accident data (Event Data Recorder)

Your vehicle has an event data recorder (EDR).

The EDR's function is to record data in the event of a mild or serious accident. These data are used to support the analysis of how different vehicle systems behaved.

The EDR records, over a reduced time range (normally 10 seconds or less), dynamic driving data and data from the restraint systems, such as:

- How different vehicle systems worked.
- Whether the driver and the occupants were wearing their seat belts.
- How hard the acceleration or brake pedal was pressed.
- Vehicle speed.
- GPS position.

These data will provide a better understanding of the circumstances of the accident.

Data from the driving assist systems are also recorded. This includes data such as whether the systems were inactive or active and if such action had an impact on the vehicle's dynamic behaviour, changing its path in the aforementioned situations, accelerating or decelerating the vehicle.

Depending on vehicle equipment, this includes data from systems such as:

- the adaptive cruise control
- the lane assist system
- parking assistants
- the emergency brake functions.

The EDR data are only recorded in specific accident situations. No data are recorded in normal driving conditions.

No audio or video data inside or around the vehicle are recorded. Under no circumstances are personal data such as name, age, or gender recorded. Nevertheless, third parties (such as criminal proceedings authorities) may relate the contents of the EDR data to other data sources and create a personal reference in the context of an accident investigation.

In order to read the EDR data it is necessary to access (if legally permitted to do so) the vehicle's OBD ("On-Board-Diagnose") interface while the vehicle is switched on.

SEAT will not have access to EDR data unless the owner (or, in "Leasing" cases, the lessee or hirer) gives their consent. There may be exceptions to this, depending on legal or contractual provisions.

Due to legal requirements in safety-related products, SEAT may use the EDR data for field research and in order to improve vehicle system quality. Any data used for the purposes of research will be treated anonymously (in other words, no reference will be made to the vehicle, their owner or the lessee/hirer).

# Vehicle antennas

## Infotainment system and antennas

The infotainment system's antennas are installed on different locations on the vehicle:

- On the roof.
- On the windscreen, between the layers of glass.
- On the rear and side windows with a printed antenna structure ››› ⓘ.

**ⓘ NOTICE**

**The printed antenna structure on the rear and side windows can be damaged by objects rubbing against it or by the use of corrosive products, or products containing acids.**

- **Do not apply any stickers to the rear and side window areas.**
- **Never clean the antenna structure with corrosive or acidic products.**

# Information on the EU chemicals regulation REACH

In accordance with the European Chemicals Regulation REACH, SEAT, S.A. has information on the substances that may be contained in the vehicle.

You can ask any SEAT dealer for this information.

# Materials and recycling information

## Environmental compatibility

Environmental protection is a top priority in the design, choice of materials and manufacture of your new SEAT.

### Constructive measures to encourage recycling

- Joints and connections designed for easy dismantling.
- Modular construction to facilitate dismantling.
- Increased use of single-grade materials.
- Plastic parts and elastomers are marked in accordance with ISO 1043, ISO 11469 and ISO 1629.

### Choice of materials

- Use of recycled materials.
- Use of compatible plastics in the same part if its components are not easily separated.
- Use of recycled materials and/or materials originating from renewable sources.
- Reduction of volatile components, including odour, in plastic materials.
- Use of CFC-free coolants.

**Ban on heavy metals, with the exceptions dictated by law (Annex II of ELV Directive 2000/53/EC)**: cadmium, lead, mercury, hexavalent chromium.

### Manufacturing methods

- Reduction of the quantity of thinner in the protective wax for cavities.
- Use of plastic film as protection during vehicle transport.
- Use of solvent-free stickers.
- Use of CFC-free coolants in cooling systems.
- Recycling and energy recovery from residues (RDF).
- Improvement in the quality of waste water.
- Use of systems for the recovery of residual heat (thermal recovery, enthalpy wheels, etc.).
- The use of water-soluble paints.

## Recycling of electrical or electronic devices

All electrical or electronic devices (EED) that are not permanently fitted in the vehicle must be marked with the following symbol:



This symbol indicates that EED must not be discarded as home waste but through selective waste collection.

## Product recycling

✓ Valid for market: France

**Fig. 248** Recycling notice for France.

Please note the recycling instructions in ››› **Fig. 248** for the following items:

- Vehicle keys
- Remote control of auxiliary heating and ventilation.
- Compressor.
- Charging cable.
- Mobile key card.

**Fig. 249** Fire extinguisher recycling notice for France.

Please note the recycling instructions in ››› **Fig. 249** for the following items:

- Extinguishers.

**Fig. 250** Recycling notice for France.

Please observe the recycling instructions ››› **Fig. 250** for documentation and packaging or bags of the following items:

- Maintenance manual.
- First aid kit.
- Extinguishers.
- Compressor.
- Charging cable.
- Charging socket and watertight seal.
- Vehicle toolbox.
- Puncture repair spray.
- Jack.
- Warning triangle.
- High visibility jacket.
- Tool bag.

**For the sake of the environment**

**The Triman logo and the Info-tri symbol contain important classification information for the end user.**

## Product recycling

✓ Valid for market: Italy

### Environmental labelling

Legislative decree no. 116 (3 September 2020), which transposes EU Directive 2018/851 on waste, and EU Directive 2018/852 on packaging and packaging waste, states that all packaging must be properly labelled to facilitate the collection, reuse, recovery and recycling of packaging, and to give users correct information about the final destination of the packaging.

Information about the environmental labelling of packaging present in the vehicle can be accessed by scanning the following QR code, which links to a website where the information required by this regulation can be found:

B6F-0148

# Return and scrapping of end-of-life vehicles

### End-of-life return

At the end of its useful life, your vehicle must be recycled and disposed of in an environmentally sound manner. For this reason, final vehicle owners in the EU and in many other countries are required by law to take their vehicle to an authorised collection point, vehicle return centre or authorised dismantling facility.

SEAT already made the necessary arrangements for this: an extensive network of vehicle return centres is available throughout the EU and in many other countries, where you can drop off your vehicle. If you meet the national legal requirements, you can return your end-of-life vehicle free of charge within the EU.

The vehicle return centre issues a recycling certificate which serves as proof that the end-of-life vehicle has been recycled correctly.

Information about the Vehicle Return Centres can be obtained from your SEAT dealer.

### Scrapping

The relevant safety requirements must be observed when scrapping the vehicle or its individual components, e.g. airbag system and seatbelt tensioners. Qualified workshops are already familiar with these requirements. SEAT recommends using a SEAT dealer.

# Declaration of conformity

**Commercialisation of finished products on the British market (England, Wales and Scotland):**

UK CA The UKCA (UK Conformity Assessed) marking is a new British marking used for products commercialised in Great Britain (England, Wales and Scotland).

Importer:

Volkswagen Group United Kingdom Ltd.
Yeomans Drive, Blakelands
Milton Keynes, MK 14 5AN
United Kingdom

Vehicles commercialised on the British market by the importer mentioned above may include complete products that comply with the following provisions:

- The Electromagnetic Compatibility Regulations, 2016
- The Electrical Equipment (Safety) Regulations, 2016
- The Supply of Machinery (Safety) (Amendment) Regulations, 2011
- The Noise Emission in the Environment by Equipment for use Outdoors Regulations, 2001
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations, 2012
- The Medical Devices Regulations, 2002 (SISI 2002, no. 618, in its amended version) (UK MDR 2002)
- The Pressure Equipment (Safety) Regulations, 2016
- The Personal Protective Equipment (Enforcement) Regulations, 2018

**Note**

**For medical devices, the CE marking will remain valid in the UK until 30 June, 2023.**

In accordance with the aforementioned regulations, the importer has ensured that:

The manufacturer has performed the corresponding conformity assessment, has drawn up the technical documentation and meets the market requirements.

**Note**

**Until 31 December 2025, the British market may be placed on a label that is affixed to the product or the attached documentation.**

# Radioelectrical equipment

## Simplified declaration of conformity

Your vehicle has different radioelectrical devices. The manufacturers of these devices declare that they comply with Directive 2014/53/EU when legally required.

The full text of the EU compliance declaration is available online at the following address:

www.seat.com/generalinfo CE

### United Kingdom

Your vehicle has different radioelectrical devices. The manufacturers of these devices declare that they comply with the UK Radio Equipment Regulations 2017 (SI 2017/1206) if required by law.

The full text of the declaration of conformity is available online at the following Internet address:

www.seat.com/generalinfo UK CA

### Ukraine

Your vehicle has different radioelectrical devices. The manufacturers of these devices declare that they comply with Ukraine Decree 355/2017 (TR Radio Equipment) where legally required.

The full text of the declaration of conformity is available online at the following Internet address:

www.seat.com/generalinfo

## Addresses of the manufacturers

The address of the manufacturers of components that, due to their size or nature, cannot include a sticker are listed below, as long as it is legally required:

### Central control unit (BCM)

Robert Bosch GmbH/Braunschweig
Theodor-Heuss-Strasse 12
38122 - Braunschweig, Germany
Phone: 0049 53188890

### Keyless Access system and key with radio remote control of the central locking system

HELLA GmbH & Co. KGaA/Hamm
Roemerstr. 66
59075 - Hamm, Germany
Phone: 0049 23817980

### Roof antenna

ASK Industries S.p.A
Via dell'Industria n.12/14/16
60037 Monte San Vito (AN), Italy
Phone: +3907174521
Website: www.askgroup.it

Mitsumi Electronics Europe GmbH
Siemensstrasse 32
63225 Langen, Germany
Phone: +49 (0) 6103913-0
Website: www.minebeamitsumi.co.jp

Molex CVS Hildesheim GmbH
Daimlerring 31
31135 Hildesheim, Germany
Phone: +49 3377 3160
Website: www.molex.com

### Antenna amplifiers

ASK Industries S.p.A
Via dell'Industria n.12/14/16
60037 Monte San Vito (AN), Italy
Phone: +3907174521
Website: www.askgroup.it

Hirschmann Car Communication GmbH
Stuttgarter Strasse 45-51
72654 Neckartenzlingen, Germany
Phone: +49 7127 140
Website: www.te.com

KATHREIN Automotive GmbH
Römerring 1
31137 Hildesheim, Germany
Phone: +498,031,184-0
Website: www.kathrein.com

Molex CVS Hildesheim GmbH
Daimlerring 31
31135 Hildesheim, Germany
Phone: +49 3377 3160
Website: www.molex.com

**Navigation antenna**

Hirschmann Car Communication GmbH
Stuttgarter Strasse 45-51
72654 Neckartenzlingen, Germany
Phone: +49 7127 140
Website: www.te.com

KATHREIN Automotive GmbH
Römerring 1
31137 Hildesheim, Germany
Phone: +498,031,184-0
Website: www.kathrein.com

**Connectivity Box**

Molex CVS Dabendorf GmbH
Märkische Strasse 72
15806 Zossen OT Dabendorf, Germany
Phone:+49 3377 3160
Website: www.molex.com

Molex Technologies GmbH
Mizarstraße 3, 12529 Schönefeld
Website: www.molex.com

Strona główna - BURY
ul. Wojska Polskiego 4
39-300 Mielec, Polska
info@bury.com
+48 17 78846-00

**Basic infotainment system**

Panasonic Automotive Systems Czech
U Panasonicu 266
530 06, Pardubice, Czech Republic

**Optional infotainment system**

LG Electronics Mlawa SP
LG Electronics 7
06 500, Mlawa

**Radio remote control of the auxiliary heating**

Digades GmbH Digitales Und Ana/Zittau
Äußere Weberstr. 20
02763 - Zittau, Germany
Phone: 0049 358357750

**Instrument panel**

*FPK (digital)*
Continental Automotive GmbH
VDO-Strasse 1,
64832 Babenhausen, Germany

Panasonic Automotive Systems Europe GmbH
Robert Bosch Str. 27-29
63225 Langen, Germany

Panasonic Automotive Systems Czech, s.r.o.
U Panasonicu 266
530 06, Pardubice, Czech Republic

**Front radar sensors**

*MRR for SE38X*
Robert Bosch GmbH
Markwiesenstrasse, 46
72770 Reutlingen (Kusterdingen) Germany

*MRR for Ateca, Ibiza, Arona*
Automotive Distance Control Systems GmbH
Peter-Dornier-Strasse, 10
88131, Lindau, Germany

**Rear radar sensors**

Hella GmbH & Co. KGaA
Rixbecker Straße 75
59552 Lippstadt (Germany)

**Online Connectivity Unit**

LG ELECTRONICS INC.
10, Magokjungang 10-ro,
Gangseo-gu, Seoul, Republic of Korea

## Radio equipment, frequency band, maximum transmitting power

Below can be found details of the radio equipment[1] that can be fitted to all SEAT models. Unless otherwise stated, the data are valid for all models (variations are indicated in footnotes to the tables):

| Frequency band | Max. station power |
|---|---|
| **Key with radio-operated remote control (vehicle)** | |
| 433.05-434.78 MHz | 10 mW (ERP) |
| 433.05-434.79 MHz | 10 mW |
| 868.0-868.6 MHz | 25 mW |
| 434.42 MHz | 32 µW |

| Radio-operated remote control (auxiliary heater) | |
|---|---|
| 868.7-869.2 MHz (869.0 MHz) | 25 mW |
| ✓ Valid for: Leon, Ateca | |

| Transmitter-Receiver (auxiliary heater) | |
|---|---|
| 868.7-869.2 MHz (869.0 MHz) | 23.5 mW |
| ✓ Valid for: Leon, Ateca | |

| Bluetooth | |
|---|---|
| 2402-2480 MHz | 6 dBm |
| 2400-2483.5 MHz | 10 dBm |

| Connection to the vehicle's external antenna | |
|---|---|
| GSM 900: 880-915 MHz | 33 dBm |
| GSM 1800: 1710-1785 MHz | 30 dBm |
| WCDMA FDD I: 1920-1980 MHz | 24 dBm |
| WCDMA FDD III: 1710-1785 MHz | 21 dBm |
| WCDMA FDD VIII: 880-915 MHz | 21 dBm |
| LTE FDD1: 1920-1980 MHz | 23 dBm |
| LTE FDD3: 1710-1785 MHz | 23 dBm |
| LTE FDD7: 2500-2570 MHz | 23 dBm |
| LTE FDD8: 880-915 MHz | 23 dBm |
| LTE FFD20: 832-862 MHz | 23 dBm |
| ✓ Valid for: Leon | |

| Wireless hotspot | |
|---|---|
| 2400-2483.5 MHz | 10 dBm |
| ✓ Valid for: Leon, Ateca | |

| Keyless Access | |
|---|---|
| 434.42 MHz | 32 µW |
| 125 kHz | 89 dBµA/m[a] |

[a] *Valid for market: Ukraine*

| Radar sensors for front assist systems | |
|---|---|
| 76 GHz-77 GHz | 30.49 dBm[a] |
| | 34.9 dBm[b] |

[a] *Valid for: Leon*
[b] *Valid for: Ibiza, Arona, Ateca*

| Radar sensors for rear assist systems | |
|---|---|
| 24050-24250 MHz | 20 dBm |

| Wireless charging function | |
|---|---|
| 110-120 kHz | 5 W |

| Instrument cluster | |
|---|---|
| 125 kHz | 40 dBµA/m |

[1] The commissioning or authorisation of radioelectrical technology may be restricted in some European countries, forbidden or only allowed with additional requirements.

| Online Connectivity Unit | |
|---|---|
| EGSM900: 880-915 MHz | 33 dBm |
| DCS1800: 1710-1785 MHz | 31 dBm |
| UMTS FDD 1: 1920-1980 MHz | 24 dBm |
| UMTS FDD 3: 1710-1785 MHz | 24 dBm |
| UMTS FDD 8: 880-915 MHz | 24 dBm |
| E-UTRA FDD 1: 1920-1980 MHz | 23.5 dBm |
| E-UTRA FDD 3: 1710-1785 MHz | 23.0 dBm |
| E-UTRA FDD 7: 2500-2570 MHz | 23.5 dBm |
| E-UTRA FDD 8: 880-915 MHz | 23.0 dBm |
| E-UTRA FDD 20: 832-862 MHz | 23.5 dBm |
| E-UTRA FDD 28: 703-748 MHz | 23.0 dBm |

## Additional information for countries outside the European Union

### Mexico

Your vehicle has different radioelectrical devices. The manufacturers of these devices declare that they comply with Directive RLVCOAR15-0008 when legally required. The full text of the declaration of conformity is available online at the following Internet address:

https://www.seat.mx/servicio/mi-seat/manual-del-propietario.html

Certificate: RLVHERS17-0286. RS4 Hella KGaA Hueck & Co. short-range radar IFT:RLVHERS17-0286. The operation of this equipment is subject to the following two conditions: (1) this equipment or device may not cause harmful interference, and (2) this equipment or device must accept any interference, including interference that may cause undesired operation.

### United Kingdom

The following applies to importers in the UK market:

Volkswagen Group United Kingdom Ltd.
Yeomans Drive, Blakelands
Milton Keynes, MK 14 5AN
United Kingdom

### Turkey

*Telsiz Ekipmanları Yönetmeliği (2014/53/AB)*

Aracınızda çeşitli telsiz ekipmanları bulunmaktadır.

Telsiz Ekipmanlari Yönetmeliği (2014/53/AB) açısından Türkiye pazarı için radyo ekipmanı ithalatçısı (bu bilgi sadece resmi temsilcimiz olan Doğuş Otomotiv Servis ve Ticaret A.Ş.'nin ithal ettiği ürünler için geçerlidir):

Doğuş Otomotiv Servis ve Ticaret A.Ş.
Şekerpınar Mahallesi, Anadolu Caddesi, No: 22 ve 45
41420 Çayırova/Kocaeli

### Ukraine

*Імпортер:*
ТОВ «Порше Україна»
просп. Павла Тичини, 1В, офіс „В“, 4-й поверх
02152 Київ, Україна.

*Importer:*
Porsche Ukraine LLC
Pavla Tychyny ave. 1V, Office “B”, 4th floor
02152 Kyiv, Ukraine.

# Technical data

## Indications about the technical data

### Vehicle identification data

The values indicated in the technical data may differ depending on optional equipment or version of the model, as well as in the case of special vehicles and equipment for certain countries.

The information in the official vehicle documentation takes precedence at all times.

#### Abbreviations used in the Technical Specifications section

| | |
|---|---|
| kW | Kilowatt, engine power measurement. |
| PS | Horsepower (not currently used), engine power measurement unit. |
| rpm, 1/min | Revolutions per minute – engine speed. |
| Nm | Newton metres, unit of engine torque. |
| CZ | Cetane number, indication of the diesel combustion power. |
| RON | Research octane number, indication of the knock resistance of petrol. |

#### Vehicle Identification Number (VIN)

The vehicle ID number can be found in the following places:

- Front, visible through the small window on the lower left side of the windscreen.
- One the vehicle's data label.
- To the right in the engine compartment.

#### Type plate

The type plate is located on the vehicle's right hand door frame. Vehicles for certain export countries do not have a type plate.

#### Performance

The values apply only to optimal road and weather conditions.

The vehicle's performance has been calculated without any equipment that would affect it, e.g. accessories.

#### Fuel consumption

Approved consumption values are derived from measurements performed or supervised by certified EU laboratories, according to the legislation in force at the time (for more information, see the Publications Office of the European Union on the EUR-Lex website: © European Union, http://eur-lex.europa.eu/) and apply to the specified vehicle characteristics.

The values relating to fuel consumption and $CO_2$ emissions can be found in the documentation provided to the purchaser of the vehicle at the time of purchase.

Fuel consumption and $CO_2$ emissions depend on the equipment/features of each individual vehicle, as well as on the driving style, road conditions, traffic conditions, environmental conditions, load or number of passengers.

#### Tank level

| | |
|---|---|
| Rigid axle front wheel drive vehicles | 45 l, 7 l reserve |
| Multi-link axle front-wheel drive vehicles | 50 l, 7 l reserve |
| Vehicles with all-wheel drive | 55 l, 8.5 l reserve |
| Plug-in hybrid vehicles (PHEV) | 40 l, 8 l reserve |

| Adblue® tank volume |
|---|
| approx. 12 l [a] |
| approx. 13 l [a] |

[a] The amount filled using a dispenser nozzle may be less. In conditions of extreme cold, the amount filled may be less. The values depend on the equipment.

### High-voltage battery

| Type and capacity | |
|---|---|
| Plug-in hybrid vehicles (PHEV) | Li-ion 12.8 kWh 48V |

### Weights

The kerb weight values apply to the vehicle as ready to drive with a driver (75 kg), operating fluids and, if applicable, tools and the spare wheel. The kerb weight increases with optional equipment and retrofitting of accessories, which reduces the possible payload accordingly.

### Load on the roof

The maximum authorised load on the roof of your vehicle is 50 kg (Leon) and 75 kg (Leon Sportstourer).

### Trailer weight

The maximum permitted drawbar load on the ball head of the towing bracket is **80 kg**.

**⚠ WARNING**

**The values indicated for the maximum permitted weights must not be exceeded. There is a risk of accident and damage!**

## Engine specifications

| Petrol engine | 1.5 TSI Start-Stop PHEV | |
|---|---|---|
| | Leon | LEON Sportstourer |
| TSI engine power in kW (hp) at 1/min | 110 (150)/5,500-6,000 | |
| Electric motor power in kW (hp) at 1/min | 85 (116)/2,600-6,500 | |
| TSI engine + electric motor power in kW (hp) at 1/min | 150 (204)/5,000-6,000 | |
| TSI engine maximum torque (Nm at 1/min) | 250/1,500-4,000 | |
| Electric motor maximum torque (Nm at 1/min) | 330/0-2,600 | |
| Maximum torque of TSI engine + electric motor (Nm at 1/min) | 350/0-3,500 | |
| No. of cylinders/displacement (cm³) | 4/1,498 | |
| Fuel | Super 95 / Normal 91 (with a slight power loss) ROZ | |
| Gearbox / traction | DSG / front | |
| Top speed (km/h) | 220 (V) | 220 (V) |
| Acceleration from 0-100 km/h (s) | 7.5 | 7.7 |
| Maximum authorised weight (kg) | 2,050 | 2,070 |

| Petrol engines | 1.4 Start-Stop | 1.5 Start-Stop | | 1.5 Start-Stop MHEV | |
|---|---|---|---|---|---|
| | Leon | Leon | LEON Sports-tourer | Leon | LEON Sports-tourer |
| Power output in kW (hp) at 1/min | 110 (150)/5,000-6,000 | 85 (116)/5,000-6,000 | | 85 (116)/5,000-6,000 | |
| Maximum torque (Nm at 1/min) | 250/1,500-3,500 | 220/1,500-3,000 | | 220/1,500-3,000 | |
| No. of cylinders/displacement (cm³) | 4/1,395 | 4/1,498 | | 4/1,498 | |
| Fuel | Super 95 / Normal 91 (with a slight power loss) ROZ | | | | |
| Gearbox / traction | automatic gearbox / front | manual / front | manual / front | DSG / front | DSG / front |
| Top speed (km/h) | 214 (VI) | 208 (V) | 209 (V) | a) | a) |
| Acceleration from 0-100 km/h (s) | 8.5 | 9.4 | 9.7 | a) | a) |
| Maximum authorised weight (kg) | 1,840 | 1,850 | 1,950 | a) | a) |

a) Data not available as this edition goes to print.

| Petrol engines | 1.5 Start-Stop | | 1.5 Start-Stop MHEV | |
|---|---|---|---|---|
| | Leon | LEON Sportstourer | Leon | LEON Sportstourer |
| Power output in kW (hp) at 1/min | 110 (150)/5,000-6,000 | | 110 (150)/5,000-6,000 | |
| Maximum torque (Nm at 1/min) | 250/1,500-3,500 | | 250/1,500-3,500 | |
| No. of cylinders/displacement (cm³) | 4/1,498 | | 4/1,498 | |
| Fuel | Super 95 / Normal 91 (with a slight power loss) ROZ | | | |
| Gearbox / traction | manual / front | manual / front | DSG / front | DSG / front |
| Top speed (km/h) | 217 (V) | 218 (V) | 217 (VI) | 218 (VI) |
| Acceleration from 0-100 km/h (s) | 8.7 | 9.0 | 8.5 | 8.8 |
| Maximum authorised weight (kg) | 1,860 | 1,950 | 1,890 | 1,980 |

| Diesel engines | 2.0 TDI Start-Stop | | 2.0 TDI Start-Stop | |
|---|---|---|---|---|
| | Leon | LEON Sportstourer | Leon | LEON Sportstourer |
| Power output in kW (hp) at 1/min | 85 (116)/2,750-4,250 | | 110 (150)/3,000-4,200 | |
| Maximum torque (Nm at 1/min) | 300/1,600-2,500 | | 360/1,600-2,750 | |
| No. of cylinders/displacement (cm³) | 4/1,968 | | 4/1,968 | |
| Fuel | EN 590 standard diesel, min. 51 CZ | | EN 590 standard diesel, min. 51 CZ | |
| Gearbox / traction | manual / front | manual / front | DSG / front | DSG / front |
| Top speed (km/h) | 200 (V) | 200 (V) | 215 (VI) | 217 (VI) |
| Acceleration from 0-100 km/h (s) | 10.2 | 10.6 | 8.5 | 8.8 |
| Maximum authorised weight (kg) | 1,940 | 2,020 | 1,970 | 2,070 |

## Dimensions.

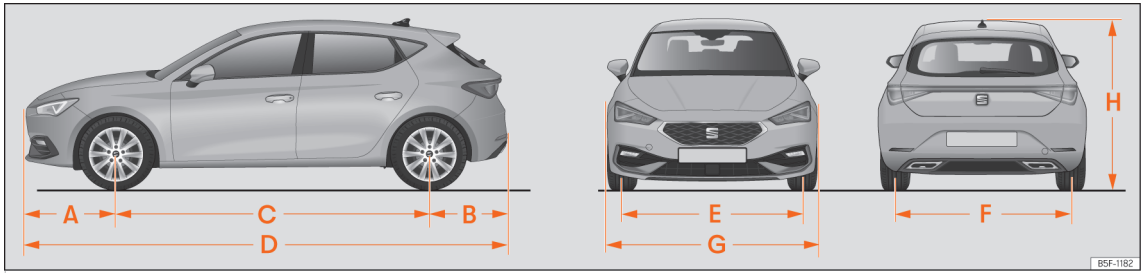


**Fig. 251** Leon

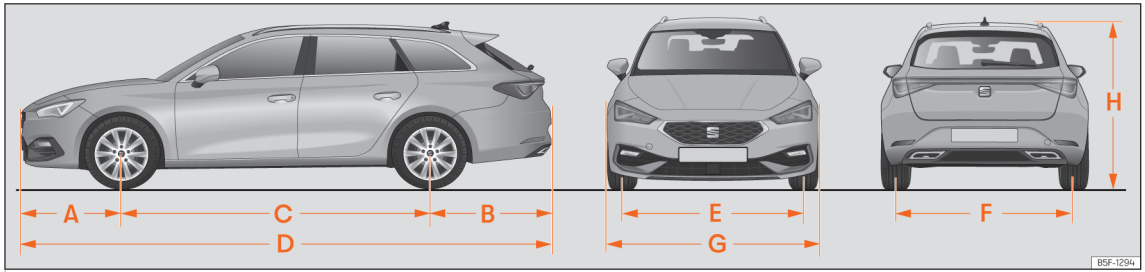


**Fig. 252** LEON Sportstourer

| ››› Fig. 251 , ››› Fig. 252 | | Leon | LEON Sportstourer |
|---|---|---|---|
| A/B | Front and rear projection (mm) | 888/794 | 888/1,068 |
| C | Wheelbase (mm) | 2,686 | 2,686 |
| D | Length (mm) | 4,368 | 4,642 |
| E/F | Front/rear[a] track width (mm) | 1,550/1,520 | 1,550/1,520 |
| G | Width (mm) | 1,799 | 1,799 |
| H | Height at kerb weight (mm) | 1,456 | 1,450 |
| | Turning radius (m) | 11.2 | 11.2 |

[a] This data will change depending on the type of wheel rim. Values for wheel 195/65 R15 ET43.

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