

GRAND WAGONEER

2027 OWNER'S MANUAL

ROADSIDE ASSISTANCE

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SERVICES: Flat Tire Service, Out of Gas/Fuel Delivery, 12 Volt Battery Jump Assistance, Lockout Service and Towing Service.
Please see the Customer Assistance chapter in this Owner's Manual for further information.

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Vehicle images are for illustration purposes only.
Actual products sold may vary.

This Owner's Manual illustrates and describes the operation of features and equipment that are either standard or optional on this vehicle. This manual may also include a description of features and equipment that are no longer available or were not ordered on this vehicle. Please disregard any features and equipment described in this manual that are not on this vehicle. FCA US LLC reserves the right to make changes in design and specifications, and/or make additions to or improvements to its products without imposing any obligation upon itself to install them on products previously manufactured.

With respect to any vehicles sold in Canada, the name FCA US LLC shall be deemed to be deleted and the name FCA Canada Inc. used in substitution therefore.

This Owner's Manual is intended to familiarize you with the important features of your vehicle. Your most up-to-date Owner Handbook, Owner's Manual, Radio Instruction Manual and Warranty Booklet can be found by visiting the website on the back cover.

⚠ **WARNING:** Operating, servicing and maintaining a passenger vehicle or off-highway motor vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle. For more information go to **www.P65Warnings.ca.gov/passenger-vehicle**.

Jeep®

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INTRODUCTION

WELCOME

Congratulations on the purchase of your new Jeep®. Be assured that it represents precision workmanship, distinctive styling, and high quality.

FCA US LLC is committed to protecting the environment and invites you to refer to the complete Owner's Manual on www.mopar.com/en-us/html (US) or www.owners.mopar.ca/en (Canada).

Scan this QR code to access the complete Owner's Manual.

Mobile App:

Download the Jeep® Mobile App from the Google Play® Store or Apple® App Store® for access to Remote Commands. Log in with your account information.

GET IT ON Google play

Download on the App Store

Scan this QR code to access a complete list of how-to videos available for your vehicle.

The Owner's Manual contains all safety and regulatory information and explains how to properly maintain your vehicle, as well as provides detailed instructions for operation of the equipped features. You will also find a description of the services that we offer and the details of the terms and conditions, for maintaining its validity.

The Owner Handbook helps you quickly operate certain features of your vehicle. It also gives instructions on how to properly maintain your vehicle as well as what to do in case of an emergency.

The Consumer Information Guide contains important safety and regulatory information pertaining to your vehicle.

Please take the time to read all of these publications carefully before driving your vehicle for the first time. Follow all of the provided information and observe all warnings and cautions in this manual, to ensure safe operation of your vehicle.

These publications illustrate and describe the operation of certain features and equipment that come either standard or optional on your vehicle. It may include a description of features and equipment that your vehicle is not equipped with. Therefore, you should only consider the information that is related to the trim level and version that you have purchased. Options and equipment dedicated to specific markets or versions are not expressly indicated in the text. Any content introduced throughout the Owner's Information, which may or may not be applicable to your vehicle, will be identified with the wording “If Equipped”.

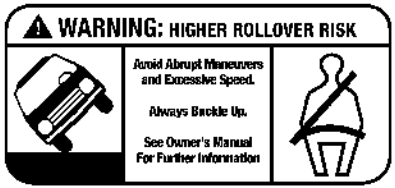
FCA US LLC reserves the right to make changes in design and specifications and/or make additions to or improvements to products without imposing any obligation upon us to install them on products previously manufactured.

ALWAYS drive safely with your hands on the steering wheel. You have full responsibility and assume all risks related to the use of the features and applications in this vehicle. Only use the features and applications when it is safe to do so. Failure to do so may result in an accident involving serious injury or death.

ROLLOVER WARNING

Utility vehicles have a significantly higher rollover rate than other types of vehicles. This vehicle has a higher ground clearance and a higher center of gravity than many passenger vehicles. It is capable of performing better in a wide variety of off-road applications. Driven in an unsafe manner, all vehicles can go out of control. Because of the higher center of gravity, if this vehicle is out of control, it may roll over while some other vehicles may not.

Do not attempt sharp turns, abrupt maneuvers, or other unsafe driving actions that can cause loss of vehicle control. Failure to operate this vehicle safely may result in a collision, rollover of the vehicle, and severe or fatal injury. Drive carefully.



Rollover Warning Label

Failure to use the driver and passenger seat belts provided is a major cause of severe or fatal injury. In fact, the US government notes that the universal use of existing seat belts could cut the highway death toll by 10,000 or more each year and could reduce disabling injuries by two million annually. In a rollover crash, an unbelted person is significantly more likely to die than a person wearing a seat belt. Always buckle up.

SYMBOLS KEY — DANGER, WARNINGS AND CAUTIONS

WARNING!	These statements apply to operating procedures that could result in a collision, bodily injury and/or death.
CAUTION!	These statements apply to procedures that could result in damage to your vehicle.

NOTE:	A suggestion which will improve installation, operation, and reliability. If not followed, may result in damage.
TIP:	General ideas/solutions/suggestions on easier use of the product or functionality.
PAGE REFERENCE ARROW ⇨ page	Follow this reference for additional information on a particular feature.
FOOTNOTE	Supplementary and relevant information pertaining to the topic.
VIDEO REFERENCE SYMBOL	This icon identifies features that have an available how-to video. Scan the QR code in the Introduction to access the full video playlist.

If you do not read the entire Owner's Manual, you may miss important information. Observe all Cautions and Warnings.

VEHICLE MODIFICATIONS/ALTERATIONS

WARNING!
Any modifications or alterations to this vehicle could seriously affect its roadworthiness and safety and may lead to a collision resulting in serious injury or death.

SYMBOLS GLOSSARY

Warning lights, indicators, and messages appear to signify various vehicle conditions. Warning and indicator lights illuminate in the instrument panel, along with dedicated messages or acoustic signals when applicable.

It is important to follow all warnings when operating your vehicle.

NOTE:

Warning and indicator lights are different based upon equipment options and current vehicle status. Some telltales are optional and may not appear.

The following table lists some of the most common telltales. For a full list of warning and indicator lights, see ⇨ page 106.

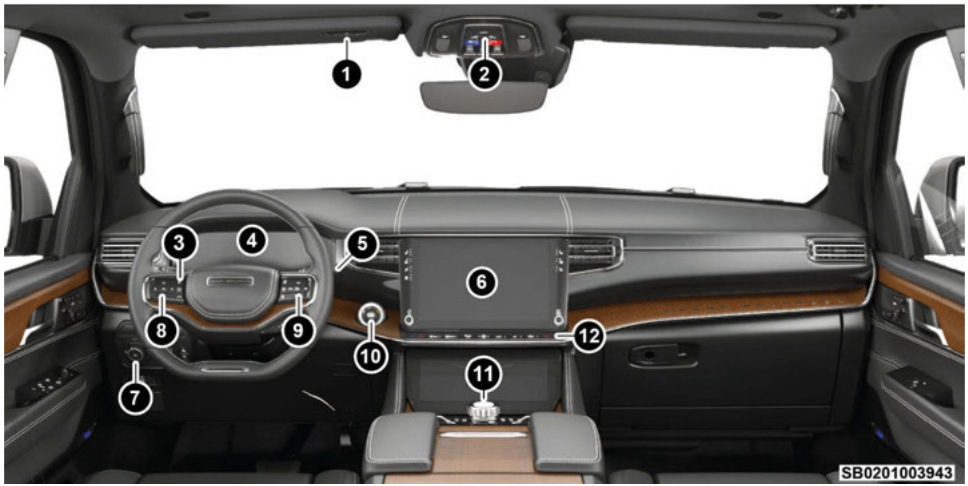
Common Warning Lights	
	Air Bag Warning Light

Common Warning Lights	
	Brake Warning Light
	Battery Charge Warning Light
	Engine Coolant Temperature Warning Light
	Oil Pressure Warning Light
	Oil Temperature Warning Light
	Seat Belt Reminder Warning Light
	Transmission Temperature Warning Light
	Engine Check/Malfunction Indicator Warning Light (MIL)

Common Warning Lights	
	Tire Pressure Monitoring System (TPMS) Warning Light

GETTING TO KNOW YOUR VEHICLE

INTERIOR OVERVIEW



1 — Garage Door Opener (HomeLink®) ⇨ page 80
2 — Assist & SOS Buttons ⇨ page 231
3 — Uconnect Voice Command Buttons ⇨ page 122
4 — Instrument Cluster Display ⇨ page 99
5 — Windshield Wipers and Washers ⇨ page 71
6 — Uconnect Radio Screen Display ⇨ page 121
7 — Headlight Switch ⇨ page 72
8 — Instrument Cluster Controls ⇨ page 99
9 — Cruise Control Buttons ⇨ page 216
10 — Start Button
11 — Gear Selector
12 — Climate Controls ⇨ page 116

EXTERIOR OVERVIEW



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1 — Exterior Camera Locations ⇨ page 200
2 — Electronic Liftgate Release Handle
3 — Fuel Door ⇨ page 154
4 — Emergency Tow Hook ⇨ page 243

KEYS

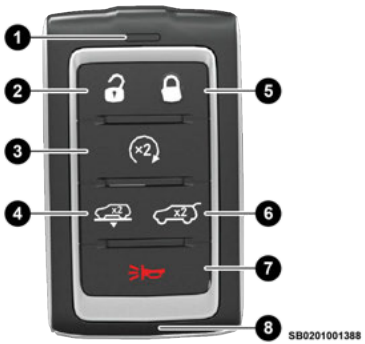
Key Fob

Description

The key fob allows you to lock, unlock, and remotely use some features of your vehicle up to 328 ft (100 m) away from your vehicle.

Operation

KEY FOB CONTROLS AND FEATURES



Key Fob

1 — LED Indicator
2 — Unlock
3 — Remote Start
4 — Air Suspension Remote Lowering (If Equipped)
5 — Lock
6 — Power Liftgate
7 — Panic Alarm
8 — Emergency Key

LOCKING AND UNLOCKING THE VEHICLE

Locking

Press and release the lock button on the keyfob to lock the vehicle. The turn signals flash and the horn sounds to indicate the vehicle has locked.

Unlocking

Press and release the unlock button on the keyfob to unlock the driver's door. Press and release the button a second time within five seconds to unlock all the doors and liftgate. The turn signals flash to indicate the vehicle has unlocked.

ACTIVATING AND DEACTIVATING THE PANIC ALARM

Activating the Panic Alarm

Push and release the Panic Alarm button on the keyfob. The turn signals flashes, the horn sounds, and the interior lights turn on.

Deactivating the Panic Alarm

Push and release the Panic Alarm button on the keyfob.

The Panic Alarm automatically deactivates after three minutes.

The Panic Alarm deactivates when the vehicle speed exceeds 15 mph (24 km/h).

KEY FOB NOT DETECTED ALERT

When a valid key fob is no longer detected inside the vehicle while the vehicle is in the ON or START position, a message appears in the instrument cluster, a tone sounds in the vehicle, the headlights flash, and the horn sounds rapdly.

REMOTELY LOWERING THE AIR SUSPENSION — IF EQUIPPED

Remotely Lowering the Vehicle

1. Close all of the doors.
2. Make sure the vehicle is clear of all objects, pets, and people.
3. Press the Air Suspension Remote Lowering button on the key fob twice.

The turn signals flash, the horn sounds, and the air suspension lowers the vehicle to the Entry/Exit height.

Canceling Remote Lowering

Press and release the Air Suspension Remote Lowering button on the key fob. The turn signals flash, the horn sounds, and the vehicle raises to the previous height level. The horn sounds once when the vehicle has finished canceling remote lowering.

REPLACING THE BATTERY IN THE KEY FOB

The replacement battery model is one CR2450 battery.

NOTE:

- Customers are recommended to use a battery obtained from Mopar®. Aftermarket coin battery dimensions may not meet the original OEM coin battery dimensions.
- Perchlorate Material — special handling may apply. See https://dtsc.ca.gov/perchlorate/ for further information.
- Do not touch the battery terminals that are on the back housing or the printed circuit board.
- Do not replace the coin battery if the LED on the key fob above the top row buttons blinks when a button is pressed. The coin battery should last a minimum of three years with normal vehicle usage.

1. Remove the emergency key by pushing the emergency key release button (1) on the side of the key fob, and pulling the emergency key (2) out with your other hand.



Emergency Key Removal

1 — Emergency Key Release Button
2 — Emergency Key



Emergency Key Removed

2. Hold the key fob with the button side facing down, and locate the small rectangular gap on the left side between the housing and the back cover of the key fob. Use a small flat-bladed tool to pry open the left side of the fob cover while applying pressure until the cover snaps open.



Pry Apart Key Fob Halves

3. Next, locate the gap on the right side of the key fob, which is positioned farther to the edge than the left side gap. Pry open the right side, and remove the back cover.

4. Remove the battery by using your thumb to slide the battery downward and back toward the key ring.



Key Fob Battery Location

NOTE:

When replacing the battery, ensure the (+) sign on the battery is facing upward. Avoid touching the new battery with your fingers. Skin oils may cause battery deterioration. If you touch a battery, clean it with rubbing alcohol.

5. Replace the battery by using your thumb to push down and slide the battery under the small lip on the top edge of the opening.



SB0201000208

Key Fob Battery Replacement

6. To assemble the key fob case, line up the top edge of the back cover with the top of the fob, and press the edges into the interlocking hinges until all edges snap together with no large visual gaps.
7. Reinsert the emergency key until it locks into place.

NOTE:
The key fob battery should only be replaced by qualified technicians. If the battery requires replacement, see an authorized dealer.

WARNING!

- The integrated key fob contains a coin cell battery. Do not ingest the battery; there is a chemical burn hazard. If the coin cell battery is swallowed, it can cause severe internal burns in just two hours and can lead to death.
- If you think a battery may have been swallowed or placed inside any part of the body, seek immediate medical attention.

(Continued)

WARNING!

- Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children.

PROGRAMMING AND DUPLICATING KEY FOBS

Programming the key fob may be performed by an authorized dealer.

NOTE:
- Once a key fob is programmed to a vehicle, it cannot be repurposed and reprogrammed to another vehicle.
- Only key fobs that are programmed to the vehicle electronics can be used to start and operate the vehicle.

Duplication of key fobs may be performed at an authorized dealer. This procedure consists of programming a blank key fob to the vehicle electronics. A blank key fob is one that has never been programmed.

NOTE:
- Keys must be ordered to the correct key cut to match the vehicle locks.
- It is not mandatory to replace the key fob if a new emergency key is needed.

SENTRY KEY IMMOBILIZER

Description

The Sentry Key Immobilizer prevents unauthorized vehicle operation by disabling the vehicle. The system ensures only key fobs that are programmed to the vehicle can be used to start and operate the vehicle. The system does not need to be armed or activated. Operation is automatic, regardless of whether the vehicle is locked or unlocked.

Sentry Key Immobilizer Activation Alert

If the Vehicle Security Light begins to flash after starting the vehicle, it indicates that someone attempted to start the engine with an unrecognized key fob.

Immobilizer Malfunction Indication

After placing the vehicle in the ON position, the Vehicle Security Light illuminates and turns off after three seconds. If the light remains on, it indicates a problem with the system. The vehicle will shut off after two seconds.

NOTE:
- Using an unprogrammed key to start the vehicle will activate the system.
- When having the system serviced, bring all vehicle keys with you to an authorized dealer.

CAUTION!

The Sentry Key Immobilizer system is not compatible with some aftermarket Remote Start systems. Use of these systems may result in vehicle starting problems and loss of security protection.

AUTO KEY OFF

Auto Key Off is designed to preserve 12V battery life by shutting the vehicle off when it is left in the ON position for an extended period of time. A message will appear in the instrument cluster indicating the vehicle will shut

off soon. If the system shuts the vehicle off, there will be a short delay when starting the vehicle.

Limitations

- The key fob's wireless signal may be intermittent or blocked if it is located next to a mobile phone, laptop, or other electronic device.
- The key fob may not be detected by the vehicle if it is placed within 6 inches (15 cm) of the wireless charging pad.

Digital Key — If Equipped

Description

Digital Key allows you to use your iPhone®, compatible Android™ device, or provided NFC card to lock, unlock, and start your vehicle.

Operation

DIGITAL KEY PAIRING

1. Ensure your vehicle has been enrolled in Jeep® Connect and you have created your Owner Account (same credentials used to access your Jeep® app).
2. Once successfully enrolled with the Jeep® App, navigate to the home screen and look for the Digital Key menu. This can be found either by swiping left through the tile carousel or by tapping the access tile on the home screen. To begin the owner key pairing process, tap ''Start Pairing'' or ''Continue to Wallet'' depending on the version of App in use. Please note that the tile will not be populated until the terms of service and privacy policy have been accepted.
3. Navigate to the Digital Key App in the Uconnect vehicle audio system.
4. Select "Add Owner Key".
5. Follow the prompts in your iPhone® or Android™ device wallet to continue the owner Digital Key pairing process
6. To pair an iPhone® as your digital key, hold the iPhone® with its NFC antenna against the NFC reader on the vehicle's wireless charging pad until the key is paired successfully.
   To pair an Android phone as your digital key, hold the Android phone with its NFC antenna against the NFC reader on the vehicle's wireless charging pad until the key is paired successfully.
   The Uconnect system will display a success pop-up once the owner key pairing is complete.

UNLOCKING, LOCKING, AND STARTING THE VEHICLE

Tap Access

Available on NFC key card and compatible iPhone® or Android™ devices without UWB (ultra-wide band) hardware.

Unlocking and Locking the Vehicle

Hold the NFC key card, iPhone®, Android™ device against the driver door frame at the location depicted in the image.



Digital Key On Drivers Side Door Handle

Digital Key Starting Position

Hold the NFC key card, iPhone®, Android™ device with its NFC antenna against the NFC wireless charger.



Digital Key On Wireless Charging Pad

Hands-free Access

Available on compatible iPhone® or Android™ devices with UWB (ultra-wide band) hardware.

Unlocking the Vehicle

To unlock the vehicle, grab a door handle with a valid device within 5 ft (1.5 m) of the handle. Grabbing the driver's door handle will unlock the driver door automatically. Grabbing the front passenger door handle will unlock all doors and the liftgate automatically.

In the event that the vehicle does not unlock on grabbing the door handle, move the iPhone® or compatible Android™ device closer to the drivers side door frame.

Digital Key Starting Position

Carry your iPhone® or Android™ device inside the passenger compartment.

NOTE:

- In order to use Digital Key, the iPhone® or Android™ device must meet certain hardware and software requirements. Please check with your iPhone® or Android™ device manufacturer for regional compatibility requirements and feature availability.
-  **NFC Icon**. To use NFC functionality within the cabin for owner key pairing and vehicle start, ensure the NFC antenna of the iPhone® or Android™ device is placed against the wireless charger ⇨ page 91 with the NFC icon.
- For additional safety, it is recommended that you carry the back-up NFC key card with you at all times to cover instances such as loss of phone or phone which requires its battery to be charged.
- In case your iPhone® or Android™ device powers off due to lack of charge, the Digital Key will still function for NFC tap access. This power reserve functionality is available for up to 5 hours after the device has powered off. Please note that this feature will not be available if the phone has been manually turned off by the user.
- For any service related activities, users are required to carry along and hand over physical keys to the service dealer.
- If the vehicle detects a key (digital or physical) in the cabin, the doors will not lock. Please check for presence of Digital Keys or key fobs in the cabin.
- Hands-free access for the digital key may be temporarily suspended if the digital key has been present in the vicinity of the doors for an extended period of time.

NFC KEY CARD

Vehicles equipped with the Digital Key feature will be provided with one back up NFC (Near Field Communication) key card designed to fit in your wallet or purse. The NFC key card is maintenance-free, as it does not require a battery, ensuring it is always ready for use. In the event your phone is lost, broken, or unavailable, the NFC key card provides immediate access to your vehicle.

NFC Key Card Operation

To unlock the vehicle, hold the NFC key card against the driver's side door handle until it unlocks.

To start the vehicle, place the NFC key card on the wireless charging pad. Press the brake pedal and the Start button to start the vehicle.

NOTE:

- It is recommended to keep the NFC key card with you at all times as a backup to the Digital Key.
- NFC key cards are programmed at the factory and only a dealership can replace or delete an NFC key card. Contact an authorized dealer if you need assistance with your NFC key card.

SHARING AND RECEIVING A DIGITAL KEY

The Digital Key can be shared with iPhone® or compatible Android™ device users.

Sharing A Digital Key

1. Beginning with the owner's iPhone® or compatible Android™ device, navigate to device wallet and select the Digital Key.
2. Locate the sharing icon to select the phone contact you wish to share the Digital Key with.
3. To continue, select the type of access to be provided with the Digital Key (sharing options could include full access or unlock only).
4. It is recommended you share keys with an activation code for maximum security.

Once Digital Key options have been selected and sent to shared contact, they cannot be edited unless access is revoked and re-shared.

Receiving A Digital Key

1. Upon receiving a Digital Key invitation message from the owner, click the message link to proceed.
2. Input activation code from vehicle owner.
3. Digital Key will now be added to your wallet.

NOTE:
In certain instances, the vehicle systems may require additional time to respond to a shared digital key unlock request (e.g. a newly created key approaches the vehicle for the first time).

DELETING THE DIGITAL KEY

Deleting the Digital Key from an iPhone® or Android™ Device

1. Navigate to your iPhone® or Android™ device wallet.
2. Tap the Digital Key and proceed to remove the key by using the menu option provided.

Deleting the Digital Key From the Uconnect System

1. Within the App drawer, select “Digital Key App”.
2. Select which phone you wish to remove by tapping the delete button provided.
3. The owner iPhone® or Android™ device will show a delete authorization pop-up to confirm that it is safe to delete the key. Selecting “Approve” in the pop-up will confirm key deletion and selecting “Deny” will prevent the key from being deleted via the vehicle Uconnect system. Before approving deletion of a digital key, owners must ensure users are not left stranded without a key.

NOTE:
Owners should delete all paired digital keys from the vehicle at the end of ownership. Deleting the connected vehicle APP or resetting the Uconnect system to factory will not delete paired digital keys. Users are required to delete keys as per the process mentioned above or by reaching out to the call center to perform a ‘Return to New’ process which will delete all associated connected vehicle information from the cloud servers and delete all owner and shared digital keys.

CREATING A NEW OWNER KEY

If you replace your phone after creating a Digital Key, the new phone will not function as a key to the vehicle.

To create a new owner key:

Delete the Existing Owner Key

1. Access the Digital Key menu in the radio, and select the option to delete the owner key.
2. Install the Jeep® App on your new phone and approve the key deletion request.
3. Follow the key creation and pairing process to set up the new phone as your Digital Key.

Manage the Owner Key

1. Select the "Manage Owner Key" button in Digital Key menu in the radio.
2. Follow the on-screen instructions to create a new owner key with your replacement phone.

NOTE:
Ensure you have the Jeep® app installed on your new device before beginning the key creation process.

REMOTE START — IF EQUIPPED

Remote Start

Description

Remote Start allows you use your key fob to start your vehicle and climate controls up to 328 ft (100 m) away.

Operation

STARTING AND STOPPING THE VEHICLE WITH REMOTE START

Starting the Vehicle

Press the Remote Start button on the key fob twice in five seconds. The doors lock, the exterior lights flash, the horn sounds, and the engine starts and will run for 15 minutes.

The remote start system disables after being started twice. Use the Start Button to start the vehicle and reset the system.

NOTE:
For security, the power windows and power sunroof are disabled when the vehicle is started remotely.

Stopping the Vehicle

After remotely starting the vehicle, press the Remote Start button on the key fob.

WARNING!

- Do not start or run an engine in a closed garage or confined area. Exhaust gas contains carbon monoxide which is odorless and colorless. Carbon monoxide is poisonous and can cause serious injury or death when inhaled.
- Keep key fobs away from children. Operation of the Remote Start system, windows, door locks or other controls could cause serious injury or death.

DRIVING THE VEHICLE AFTER USING REMOTE START

Press the Start Button to disable the Remote Start system. The vehicle becomes ready to drive.

REMOTE START REQUIREMENTS

All requirements must be met for the vehicle to remote start. A message may appear in the instrument cluster indicating which requirement has not been met.

- Gear selector in PARK
- Doors closed
- Hood closed
- Liftgate closed
- Hazard switch off
- Brake switch inactive (brake pedal not pressed)
- Battery at an acceptable charge level
- System not disabled from previous Remote Start event
- Vehicle Security Light flashing
- Ignition in OFF position
- Panic button is not pushed
- Fuel level meets minimum requirement
- Vehicle Security system is not signaling an intrusion
- Malfunction Indicator Light (MIL) is not illuminated

Remote Start Comfort Systems — If Equipped

Operation

When the vehicle is started remotely, the climate controls and some comfort features will turn on based on the ambient temperature. You can turn the features on and off in the Uconnect settings.

VEHICLE SECURITY SYSTEM — IF EQUIPPED

Description

The Vehicle Security system monitors the vehicle doors, hood, liftgate, and the Keyless Enter ‘n Go™ Ignition for unauthorized operation. When the alarm is triggered the horn will sound, the turn signals will flash, and the Vehicle Security Light in the instrument cluster will flash.

Operation

Arming the System

1. Place the ignition in the OFF position.
2. Lock the vehicle by:
   - Pushing the lock button on one of the front interior power door lock switches with the driver and/or passenger door open.
   - Pushing the lock button on the key fob.
   - Touching the lock button on the exterior Passive Entry door handle with a valid key fob available in the same exterior zone.
3. Close the sunroof and any open doors and windows.

When the system is armed the Vehicle Security Light on the instrument display will begin to flash until it is disarmed.

NOTE:

- When the system is armed, the interior power door lock switches will not unlock the doors.
- Use of the door key cylinder when the system is armed will activate the alarm when the door is opened.
- The system remains armed when the power liftgate is opened using the liftgate button on the key fob. If someone enters the vehicle through the opened liftgate and opens any door from the inside, the alarm will sound.

Disarming the System

Disarm the system by:

- Pushing the unlock button on the key fob.
- Grabbing the Passive Entry door handle to unlock the door.
- Cycling the ignition out of the OFF position.

NOTE:
If Passive Entry is used to unlock the liftgate, the system is disarmed and the rest of the vehicle doors will remain locked unless all doors are set to unlock on first press within Uconnect Settings.

Automatic Rearming of the System

If the alarm is triggered and no action is taken to disarm it, the alarm will sound for short time and then the system will rearm itself.

Tamper Alert

If something has triggered the Vehicle Security system in your absence, the horn will sound three times and the exterior lights will blink three times when you disarm the Vehicle Security system.

Limitations

The system is designed to protect your vehicle. However, there are conditions where the system will give a false alarm. The system will arm regardless of whether occupants are in the vehicle or not. If occupants remain in the vehicle and open a door, the alarm will sound. If this occurs, disarm the system.

If the system is armed and the battery becomes disconnected, the system will remain armed when the battery is reconnected; the exterior lights will flash, and the horn will sound. If this occurs, disarm the system.

The system will not arm if you lock the doors using the manual door lock, driver's door key cylinder, or an emergency lock lever.

DELUXE VEHICLE SECURITY SYSTEM — IF EQUIPPED

Description

The Deluxe Vehicle Security system monitors:

- Doors, hood latch, and liftgate for unauthorized entry.
- The ignition switch for unauthorized operation.
- The interior of the vehicle for motion.
- The exterior of the vehicle for lifting or tilting.

When the alarm is triggered the horn will sound, the turn signals will flash, and the Vehicle Security Light in the instrument cluster will flash.

Operation

Arming the System

Follow these steps to arm the security system:

1. Place the ignition in the OFF position.
2. Lock the vehicle by:
   - Pushing the lock button on one of the front interior power door lock switches with the driver and/or passenger door open.
   - Pushing the lock button on the key fob.
   - Touching the lock button on the exterior Passive Entry door handle with a valid key fob available in the same exterior zone.
3. Close the sunroof and any open doors and windows.

NOTE:
When the Vehicle Security system is armed, the interior power door lock switches will not unlock the doors.

Disarming the System

Disarm the system by:

- Pushing the unlock button on the key fob.
- Grabbing the Passive Entry door handle to unlock the door.
- Cycling the ignition out of the OFF position.

NOTE:
The system remains armed but the interior motion sensor is disabled when the power liftgate is opened. If someone enters the vehicle through the opened liftgate and opens any door from the inside, the alarm will sound.

Automatic Rearming of the System

If the alarm is triggered and no action is taken to disarm it, the alarm will sound for short time and then the system will rearm itself.

Disabling the Interior Motion Sensor

Press the lock button on the key fob three times within 15 seconds of arming the system. The system disables the interior motion sensor while still arming the other detection functions of the alarm.

Limitations

The system is designed to protect your vehicle. However, there are conditions where the system will give a false alarm. The system will arm regardless of whether occupants are in the vehicle or not. If occupants remain in the vehicle and open a door, the alarm will sound. If this occurs, disarm the system.

False alarms may also occur when the the interior motion sensor detects unintended movement within the vehicle's interior (i.e. people and pets) or air currents through open windows or sunroof. Occupants and moving objects should not be left in the vehicle and the windows and sunroof should be closed when the interior motion sensor is armed.

If the system is armed and the battery becomes disconnected, the system will remain armed when the battery is reconnected; the exterior lights will flash, and the horn will sound. If this occurs, disarm the system.

The system will not arm if you lock the doors using the manual door lock, driver's door key cylinder, or an emergency lock lever.

DOORS

Manual Door Locks

Operation

UNLOCKING WITH AN INTERIOR DOOR HANDLE

Front Door Handles

Pull the door handle once.

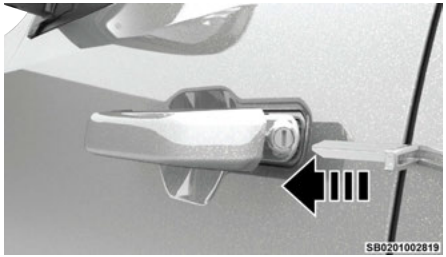
Rear Door Handles

If the vehicle is locked, pulling the handle one time will unlock the door, the second pull will release the door. If the door is unlocked, the first pull will release the door.

LOCKING AND UNLOCKING WITH THE EMERGENCY KEY

Driver's Door

Use the emergency key in the lock cylinder on the door handle.



Driver's Door Lock Cylinder

Rear Doors

Insert the emergency key into the emergency lock lever and slide the lever up.



Emergency Lock Lever

NOTE:

Manually locking the vehicle will not arm the Vehicle Security system.

WARNING!

- For personal security and safety in the event of a collision, lock the vehicle doors before you drive as well as when you park and leave the vehicle.
- When exiting the vehicle, always make sure the ignition is in the OFF position, remove the key fob from the vehicle and lock your vehicle.
- Never leave children alone in a vehicle, or with access to an unlocked vehicle. Allowing children to be in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Children should be warned not to touch the parking brake, brake pedal or the gear selector.
- Do not leave the key fob in or near the vehicle, or in a location accessible to children, and do not leave the Keyless Enter 'n Go™ Ignition in the ON/RUN position. A child could operate power windows, other controls, or move the vehicle.

Power Door Locks

Operation

POWER DOOR LOCKS CONTROLS



Power Door Locks Controls

LOCKING AND UNLOCKING WITH THE FRONT POWER DOOR LOCKS

Use the controls to lock or unlock all doors and the liftgate. An indicator on the controls illuminates when the vehicle is locked.

The doors will not lock while the vehicle is in ON/RUN and the driver's door is open.

The driver's door will unlock automatically if the key fob is detected inside the vehicle after the doors are locked using the driver's door lock switch and the door is closed. The horn sounds to indicate the door has unlocked. This will occur for two attempts. On the third attempt, the doors will lock even if the key fob is inside.

LOCKING AND UNLOCKING WITH THE REAR POWER DOOR LOCKS

Use the controls to lock or unlock the doors.

AUTOMATIC DOOR LOCKS — IF EQUIPPED

The doors lock automatically when the vehicle speed exceeds 15 mph (24 km/h). This feature is enabled from the factory and can only be disabled by an authorized dealer per written request of the customer. Please see an authorized dealer for service.

AUTOMATIC UNLOCK ON EXIT

When enabled, the doors will unlock automatically when the vehicle is placed in PARK. You can change the system settings in the Uconnect settings.

Child-Protection Door Lock System

Description

To provide a safer environment for small children riding in the rear seats, the rear doors are equipped with a Child-Protection Door Lock System.

Operation

Engaging the Child-Protection Door Locks

Open each rear door and use a flat-blade screwdriver or the emergency key to rotate the dial to the lock position. Test the interior door handle to ensure the doors are locked. When engaged, only the exterior door handle can open the door.

Disengaging the Child-Protection Door Locks

Open each rear door and use a flat-blade screwdriver or the emergency key to rotate the dial to the unlock position. Test the interior door handle to ensure the doors are unlocked.



Child-Protection Door Lock

NOTE:

Always use this device when carrying children. Before getting out of the vehicle, be sure to check that there is no one left inside.

WARNING!
Avoid trapping anyone in a vehicle in a collision. Remember that the rear doors can only be opened from the outside with the Child-Protection locks engaged (locked).

Keyless Enter 'n Go™ — Passive Entry

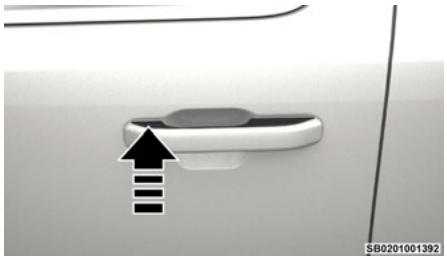
Description

Keyless Enter 'n Go™ — Passive Entry allows you to lock and unlock the vehicle's door(s) and liftgate without having to push the key fob lock or unlock buttons. The system can sense a Passive Entry key fob within 5 ft (1.5 m) of a door handle or liftgate release.

Operation

LOCKING AND UNLOCKING THE VEHICLE

To lock the vehicle push the Passive Entry lock button on the outside door handle to lock the vehicle doors and liftgate. Do not grab the door handle lock button. This may unlock the doors.



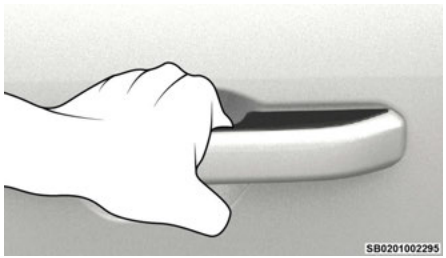
Passive Entry Lock Button



Incorrect Passive Entry Lock Grab Location

To unlock the vehicle grab a front door handle to unlock the doors.

You can change system settings in the Uconnect settings.



Passive Entry Unlock Grab Location

NOTE:

- Electronic devices may interfere with the key fob's wireless signal and prevent the system from working.
- Gloves, weather conditions, or dirt may affect system performance.

Additional Features

PASSIVE ENTRY LOCKOUT PREVENTION

The system prevents a Passive Entry key fob from being locked in the vehicle while the igniton is OFF. If the vehicle detects a Passive Entry key fob in the vehicle and a lock button is pressed while a door is open, the system will prevent a lockout by unlocking all doors and sounding the horn when all vehicle doors are closed.

Power Side Steps — If Equipped

Description

The Power Side Steps deploy for easier entry and exit of the vehicle.

Operation

Auto Mode

When set to Auto mode, the Power Side Steps deploy when any of the doors are opened. They retract when the doors are closed. This mode can be turned on or off in the Uconnect Settings.

Manually Deploying and Retracting the Power Side Steps

The Power Side Steps can also be manually deployed or retracted by pressing the Power Side Step button on the Controls menu of the Vehicle screen. The steps retract when the vehicle speed exceeds 5 mph (8 km/h).

Proximity Wake-Up Mode

When Proximity Wake-Up is enabled within the Uconnect settings, the Power Side Steps deploy when approaching the vehicle with a valid key fob. The Power Side Steps retract when the headlights turn off out or any door is opened and closed.

WINDOWS

Power Windows

Description

The power window controls are located on the door trim panels.

Operation

POWER WINDOW CONTROLS



Power Window Switches



Power Window Lockout Switch

LOWERING AND RAISING THE WINDOWS

Lowering the Window

Push the window switch down to lower the window.

Raising the Window

Pull the window switch up to raise the window.

NOTE:

When the doors are closed and the ignition is in the OFF position, the power window switches remain active for up to 10 minutes.

WARNING!
Never leave children unattended in a vehicle, and do not let children play with power windows. Do not leave the key fob in or near the vehicle, or in a location accessible to children, and do not leave the Keyless Enter 'n Go™ Ignition in the ON/RUN position. Occupants, particularly unattended

(Continued)

WARNING!

children, can become entrapped by the windows while operating the power window switches. Such entrapment may result in serious injury or death.

POWER WINDOW LOCKOUT

To enable and disable the power window switches, press the power window lockout switch. The indicator on the switch illuminates when the switches are disabled.

Automatic Windows

Description

The front and rear windows can be automatically raised or lowered with one press of a power window switch.

Operation

AUTOMATICALLY LOWERING AND RAISING THE WINDOW

Lowering the Window

Push the window switch down to the second detent to lower the window. Push or pull the window switch to stop the window from moving.

Raising the Window

Pull the window switch up to the second detent to raise the window. Push or pull the window switch to stop the window from moving.

If the window runs into any obstacle while raising, it will reverse direction and then go back down. Remove the obstacle and use the window switch again to close the window.

NOTE:

Impact to the door due to rough road conditions or door closing while auto-closure is in process may unexpectedly trigger the auto-reverse function. If this happens, pull the switch lightly and hold until the window is closed.

WARNING!

- Inadvertently leaving a window open may result in vehicle damage or personal injury.
- There is no anti-pinch protection when the window is almost closed. To avoid personal injury be sure to clear your arms, hands, fingers and all objects from the window path before closing.

AUTOMATIC WINDOW RESET

If a window does not raise automatically, the window may need to be reset.

Front Windows

1. Pull the window switch up to close the window completely and continue to hold the switch up for an additional two seconds after the window is closed.

Rear Windows

1. Pull and hold the window switch up until the window stops (soft stop), then release.
2. Pull and hold the switch up again until it reaches the header (hard stop).
3. Release the window switch and within two seconds pull the window switch up again and hold it for an additional two seconds.

Sun Visors

Operation

SLIDING THE SUN VISOR

The sun visors can be turned towards the side windows. Remove the visor from the bracket and pivot it towards the window. Pull the visor to extend it along the window.

OPENING THE VANITY MIRROR

Flip the sun visor down and lift the vanity mirror cover.

Sun Screens

Description

The sun screens are located in the second row door sill trim panels and can be manually raised and lowered.

Operation



Sun Screen Extended

Raising the Screen

Pull up on the screen tab in the center of the door sill trim panel and raise the screen to the top of the window. Place the hooks on the door into the slots on the screen.

Lowering the Screen

Lift up on the screen tab to remove the screen from the hooks and lower it into the door sill trim panel.

Windshield Radio Signal Device Installation Location — If Equipped

Description

Your vehicle is equipped with a windshield coating that can disrupt radio transmissions from toll transponders, garage door openers, and other devices. Install devices that use radio transmissions on the specified location.



Radio Signal Device Mounting Location

MIRRORS

Interior Mirrors

Automatic Dimming Rearview Mirror

DESCRIPTION

The automatic dimming rearview mirror adjusts for headlight glare from vehicles behind you.

OPERATION

Grab and tilt the mirror to center the view through the rear window. The automatic dimming feature will turn off when the vehicle is in REVERSE to improve rear visibility.



Automatic Dimming Rearview Mirror

You can turn the feature on or off through the Uconnect settings.

Digital Rearview Mirror — If Equipped

DESCRIPTION

The Digital Rearview Mirror uses an exterior camera to provide a high definition, wide, and unobstructed view of the road behind you.

OPERATION

Digital Rearview Mirror Controls

Grab and tilt the mirror to center the view through the rear window.



Digital Rearview Mirror

1 — On/Off Switch
2 — Menu Button
3 — Left Scroll Button
4 — Right Scroll Button

On/Off Switch

Pull the switch to activate the Digital Rear View Mirror. Push the switch to deactivate the mirror.

Menu Button

Press the button to access brightness and tilt settings.

Left Scroll Button

Press the button to scroll through menu options.

Right Scroll Button

Press the button to scroll through menu options.

Conversation Mirror

DESCRIPTION

The conversation mirror is located in the overhead console.

OPERATION

1. Press the release to open the conversation mirror.
2. Lift the mirror slightly to position it at the stop.



Conversation Mirror Release

Exterior Mirrors

Power Mirrors

DESCRIPTION

The power mirror controls are located on the driver's door.

OPERATION

Power Mirror Controls



Power Mirror Controls

1 — Neutral Position
2 — Left Mirror
3 — Control Knob
4 — Right Mirror
5 — Power Folding Position (If Equipped)

Neutral Position

Return the knob to this position after adjusting the mirrors.

Left Mirror

Rotate the knob to this position and tilt the knob to adjust the left mirror.

Control Knob

Rotate and tilt this knob to adjust mirror settings.

Right Mirror

Rotate the knob to this position and tilt the knob to adjust the right mirror.

Power Folding Position (If Equipped)

Rotate the knob to this position to fold the mirrors. Rotate the knob to the neutral position to unfold the mirrors. This function is only available when the vehicle is in the ON/RUN position.

Automatic Power Folding Mirrors — If Equipped

Automatic Folding

When enabled within Uconnect Settings, the exterior mirrors will automatically fold when the vehicle's ignition is placed in the OFF position and after the doors are locked and closed.

NOTE:
If the mirrors were folded manually by using the power folding mirror switch on the driver's door panel, they will not automatically unfold.

Automatic Unfolding

If the exterior mirrors were folded automatically, they will unfold based on the selection with the Uconnect system.

Resetting The Power Folding Mirrors

To reset the power folding mirrors, fold and unfold them by turning the knob to the power folding position. You may have to do this multiple times.

You may need to reset the power folding mirrors if:

- The mirrors are accidentally blocked while folding.
- The mirrors are accidentally manually folded or unfolded by hand or by using the power folding mirror control.
- The mirrors come out of the unfolded position.
- The mirrors shake and vibrate at normal driving speeds.

Automatic Dimming Exterior Mirror — If Equipped

The exterior driver side mirror automatically adjusts for glare from vehicles behind you. The mirror automatically adjusts for headlight glare when the interior automatic dimming rearview mirror adjusts.

Automatic Tilting Exterior Mirrors

The Automatic Tilting Exterior Mirrors can be turned on and off in the Uconnect system. When the vehicle is shifted into REVERSE, the exterior mirrors will tilt down to increase visibility. The mirrors will return to their previous position when the vehicle is shifted out of REVERSE.

Heated Exterior Mirrors

OPERATION

The heated mirrors turn on and off with the rear window defroster.

USER MEMORY SETTINGS — IF EQUIPPED

DESCRIPTION

User memory settings allow you to save seat positions and other feature settings to a memory profile. The user memory settings controls are located on the front door panels.

Driver's Side Memory Features

- Seat position
- Easy entry/exit seat (if equipped)
- Side mirrors
- Power tilt and telescopic steering column
- A set of desired radio station presets

Passenger's Side Memory Feature (If Equipped)

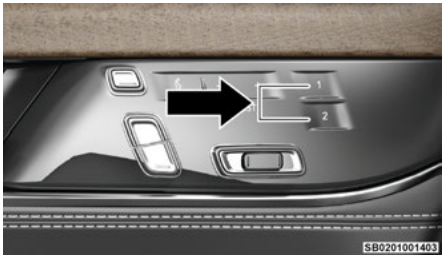
- Seat position

OPERATION

User Memory Settings Controls



Three Button Memory Settings Controls



Two Button Memory Settings Controls

Programming Three Button Memory Controls

1. Place the vehicle in the ON position.
2. Adjust all memory profile settings to your desired preference.
3. Press the set (S) button on the memory switch.
4. Press the either of the memory profile switches (1) or (2).

The instrument cluster display indicates the memory profile has been set.

NOTE:
Saving a new memory profile will erase the selected profile from memory.

Programming Two Button Memory Controls

1. Place the vehicle in the ON position.
2. Adjust all memory profile settings to your desired preference.
3. Press and hold either of the memory profile switches (1) or (2) for two seconds.

The instrument cluster display indicates the memory profile has been set.

NOTE:
Saving a new memory profile will erase the selected profile from memory.

Recalling User Memory Settings

Using the User Memory Settings Controls on the Doors

Press and release either of the memory profile switches (1) or (2). Press the switch again to cancel the recall.

Using the Key Fob

Press the unlock button on the key fob. The user memory settings linked to the key fob will be recalled.

Linking and Unlinking the Key Fob to Three Button Memory Controls

Make sure "Personal Settings Linked To Key Fob" is enabled in the Uconnect Settings before programming a key fob.

Linking the Key Fob

1. Place the vehicle in the OFF position.
2. Press the desired driver's side memory profile switch (1) or (2) to recall a profile.
3. Once the profile has been recalled, press the set (S) button.
4. Press the recalled memory profile switch.
5. Press the lock button on the key fob within 10 seconds.

A message appears in the instrument cluster indicating the memory profile is set.

Unlinking the Key Fob

1. Place the vehicle in the OFF position.
2. Press the set (S) button.
3. Press the lock button on the key fob within 10 seconds.

Linking and Unlinking the Key Fob to Two Button Memory Controls

Make sure "Personal Settings Linked To Key Fob" is enabled in the Uconnect Settings before programming a key fob.

Linking the Key Fob

1. Place the vehicle in the OFF position.
2. Press the desired driver's side memory profile switch (1) or (2) to recall a profile.
3. Once the profile has been recalled, press and hold the recalled memory profile switch
4. Press and hold the lock button on the key fob within 10 seconds.

A message appears in the instrument cluster indicating the memory profile is set.

Unlinking the Key Fob

1. Place the vehicle in the OFF position.

2. Press and hold the desired memory profile switch (1) or (2) for two seconds.
3. Press and hold the lock button on the key fob within 10 seconds.

HEAD RESTRAINTS

Description

Head restraints are designed to reduce the risk of injury by restricting head movement in the event of a rear impact. Head restraints should be adjusted so that the top of the head restraint is located above the top of your ear.

WARNING!

- All occupants, including the driver, should not operate a vehicle or sit in a vehicle's seat until the head restraints are placed in their proper positions in order to minimize the risk of neck injury in the event of a crash.
- Head restraints should never be adjusted while the vehicle is in motion. Driving a vehicle with the head restraints improperly adjusted or removed could cause serious injury or death in the event of a collision.

Front Head Restraints

Description

Front head restraints may be manually or power adjustable, depending on vehicle equipment.

Operation

MANUAL 4-WAY HEAD RESTRAINTS — IF EQUIPPED

To raise or lower the head restraint, press the adjustment button on the left side of the head restraint while pulling upward or pushing downward until it locks into place.

To adjust the head restraint forward or rearward, press the same adjustment button and move the top of the head restraint in the desired direction. Release the button when the head restraint locks into position.



Manual 4-Way Head Restraint Adjustment Button

POWER 4-WAY HEAD RESTRAINTS — IF EQUIPPED

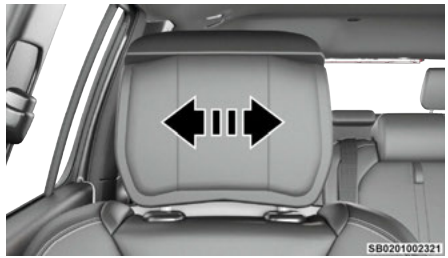
Push the head restraint adjustment switch located on the door trim panel upward, downward, forward, or rearward. The head restraint moves in the direction of the switch. Release the switch when the desired position is reached.



Power 4-Way Head Restraint Adjustment Switch

ADJUSTABLE HEAD RESTRAINT WINGS — IF EQUIPPED

Power 4-way head restraints are also equipped with manually adjustable wings. Pull the wings forward to adjust. Push the wings rearward to return them to the flat position.



Wing Adjustment

NOTE:
Head restraints should only be removed by qualified technicians for service purposes. If a head restraint requires removal, have the vehicle serviced by an authorized dealer.

Second Row Captain's Chairs — If Equipped

Description

If the second row is equipped with captain's chairs, the head restraints are not adjustable or removable. The head restraints automatically fold forward when the seatback is folded.

Operation

OUTBOARD HEAD RESTRAINTS — AUTOMATIC FOLDING

The second row outboard head restraints automatically fold forward when the seatback is folded.

After returning the seatback to the upright position, raise the head restraints manually until they lock into place.

OUTBOARD HEAD RESTRAINTS — POWER FOLDING



The driver can fold the second row outboard head restraints through the Uconnect system to improve rearward visibility when the vehicle is in REVERSE and the seats are unoccupied.

To fold the head restraints, press Headrest Fold within the Controls menu of the Uconnect system.

NOTE:
- The head restraints must be raised manually when occupying the second row.
- Do not fold if there are passengers seated in the second row seats.

WARNING!

- All occupants, including the driver, should not operate a vehicle or sit in a vehicle's seat until the head restraints are placed in their proper positions in order to minimize the risk of neck injury in the event of a crash.
- Head restraints should never be adjusted while the vehicle is in motion. Driving a vehicle with the head restraints improperly adjusted or removed could cause serious injury or death in the event of a collision.

Second Row Bench — If Equipped

Description

If the second row is equipped with a bench seat, the outboard head restraints are not adjustable or removable. The outboard head restraints automatically fold forward when the seatback is folded.

Operation

OUTBOARD HEAD RESTRAINTS — MANUAL FOLDING

The outboard head restraints automatically fold forward when the seatback is folded.

After returning the seatback to the upright position, raise the head restraints manually until they lock into place.

OUTBOARD HEAD RESTRAINTS — POWER FOLDING



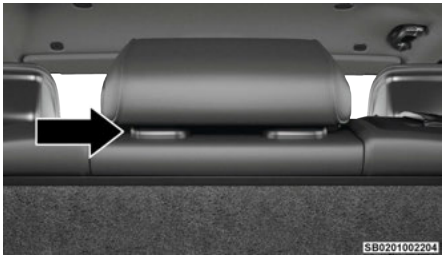
The driver can also fold the second row outboard head restraints through the Uconnect system to improve rearward visibility when the vehicle is in REVERSE and the seats are unoccupied.

To fold the head restraints, press Headrest Fold within the Controls menu of the Uconnect system.

NOTE:
- The head restraints must be raised manually when occupying the second row.
- Do not fold if there are passengers seated in the second row seats.

CENTER HEAD RESTRAINT

To adjust the center head restraint, press the adjustment button located at the base of the head restraint while pulling upward or pushing downward until it locks into place.



Center Seat Head Restraint Adjustment Button

NOTE:
The center head restraint is not removable.

WARNING!

- All occupants, including the driver, should not operate a vehicle or sit in a vehicle's seat until the head restraints are placed in their proper positions in order to minimize the risk of neck injury in the event of a crash.
- Head restraints should never be adjusted while the vehicle is in motion. Driving a vehicle with the head restraints improperly adjusted or removed could cause serious injury or death in the event of a collision.

Third Row Head Restraints

Description

The third row center head restraint can be raised or lowered for tether routing or height adjustment. The third row outboard head restraints are not adjustable or removable but can be folded to improve rearward visibility when the vehicle is in REVERSE and the seats are unoccupied.

Operation

OUTBOARD HEAD RESTRAINTS — AUTOMATIC FOLDING

The outboard head restraints also fold automatically when the seatbacks are folded forward using the release handles on the backs of the seats from the cargo area.

After returning the seatback to the upright position, raise the head restraints manually until they lock into place.

OUTBOARD HEAD RESTRAINTS — POWER FOLDING



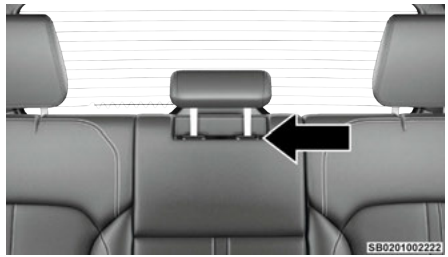
The driver can also fold the second row outboard head restraints through the Uconnect system to improve rearward visibility when the vehicle is in REVERSE and the seats are unoccupied.

To fold the head restraints, press Headrest Fold within the Controls menu of the Uconnect system.

NOTE:
- The head restraints must be raised manually when occupying the third row.
- Do not fold if there are passengers seated in the third row seats.

CENTER HEAD RESTRAINT

To raise or lower the center head restraint, press the adjustment button located at the base of the head restraint while pulling upward or pushing downward until it locks into place.



Center Head Restraint Adjustment Button

NOTE:
The center head restraint should only be removed by qualified technicians for service purposes. If a head restraint requires removal, see an authorized dealer.

WARNING!

- All occupants, including the driver, should not operate a vehicle or sit in a vehicle's seat until the head restraints are placed in their proper positions in order to minimize the risk of neck injury in the event of a crash.
- Head restraints should never be adjusted while the vehicle is in motion. Driving a vehicle with the

(Continued)

WARNING!

head restraints improperly adjusted or removed could cause serious injury or death in the event of a collision.

FRONT SEATS

Description

Seats are a part of the Occupant Restraint system of the vehicle.

WARNING!

- It is dangerous to ride in a cargo area, inside or outside of a vehicle. In a collision, people riding in these areas are more likely to be seriously injured or killed.
- Do not allow people to ride in any area of your vehicle that is not equipped with seats and seat belts. In a collision, people riding in these areas are more likely to be seriously injured or killed.
- Be sure everyone in your vehicle is in a seat and using a seat belt properly.

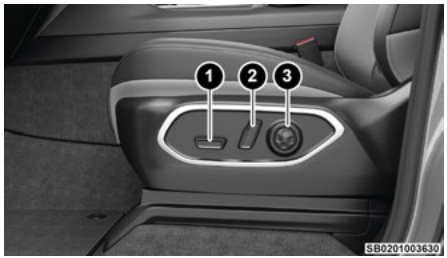
8-Way Power Seats — If Equipped

Description

Seat mounted controls support the driver and front passenger and allow seat position adjustment using controls located on the outboard side of the seat. Depending on vehicle equipment, these controls may adjust seat position, lumbar support, and seatback angle.

Operation

Use the power seat switches to adjust the front seats.



8-Way Power Seats Controls

1. **Seat Switch**

   Moves the seat forward or rearward and adjusts seat height to help achieve the desired driving position.

2. **Seatback Recline Switch**

   Changes the seatback angle by moving it forward or rearward.

3. **Lumbar Adjustment**

   Increases or decreases lower back support and adjusts the position up and down.

WARNING!

- Adjusting a seat while driving may be dangerous. Moving a seat while driving could result in loss of control which could cause a collision and serious injury or death.
- Seats should be adjusted before fastening the seat belts and while the vehicle is parked. Serious injury or death could result from a poorly adjusted seat belt.
- Do not ride with the seatback reclined so that the shoulder belt is no longer resting against your chest. In a collision you could slide under the seat belt, which could result in serious injury or death.

CAUTION!

Do not place any article under a power seat or impede its ability to move as it may cause damage to the seat controls. Seat travel may become limited if movement is stopped by an obstruction in the seat's path.

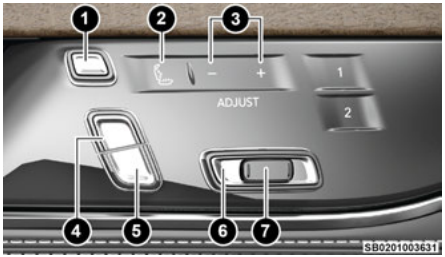
20-Way Power Seats — If Equipped

Description

Door mounted controls support the driver and front passenger and allow seat position adjustment using controls located on the door panel. Depending on vehicle equipment, these controls may adjust seat position, lumbar support, bolsters, massage, and the cushion extender. If equipped, some adjustments can also be made using the Comfort and Convenience display.

Operation

Use the power seat switches to adjust the front seat and head restraint.



20-Way Power Seats Controls

1. **Front Head Restraint Adjustment**

   Adjusts the head restraint upward, downward, forward, or rearward to support the head and neck.

2. **Power Massage Switch**

   Activates seat massage to provide additional support. Massage type and intensity can be adjusted through the vehicle displays. The selected settings are retained for the next drive cycle.

3. **Back/Thigh Bolster & Lumbar Switch**

   Increases or decreases lower back support and adjusts the position up and down. On vehicles equipped with door-mounted controls, this switch can also increase or decrease thigh bolster support.

4. **Upper Seatback Switch**

   Changes the upper seatback angle by moving it forward or rearward.

5. **Seatback Recline Switch**

   Changes the seatback angle by moving it forward or rearward.

6. **Seat Switch**

   Moves the seat forward or rearward and adjusts seat height to help achieve the desired driving position.

7. **Cushion Extender**

   Extends or retracts the front of the seat cushion to provide additional thigh support.

WARNING!

- Adjusting a seat while driving may be dangerous. Moving a seat while driving could result in loss of control which could cause a collision and serious injury or death.
- Seats should be adjusted before fastening the seat belts and while the vehicle is parked. Serious injury or death could result from a poorly adjusted seat belt.
- Do not ride with the seatback reclined so that the shoulder belt is no longer resting against your chest. In a collision you could slide under the seat belt, which could result in serious injury or death.

CAUTION!

Do not place any article under a power seat or impede its ability to move as it may cause damage to the seat controls. Seat travel may become limited if movement is stopped by an obstruction in the seat's path.

LIMITATIONS

Power Seats

- Adjust the seat before driving and while the vehicle is parked.
- Do not adjust the seat while driving.
- Make sure nothing is placed under the seat that could restrict movement.

Power Seat Massage — If Equipped

- The engine must be running for seat massage to operate.
- Seat massage turns off automatically after a period of use.
- Changing the massage type or intensity resets the timer.
- On vehicles equipped with selectable back or cushion massage, deselecting both options turns the feature off.

Easy Entry/Exit Seat — If Equipped

The Easy Entry and Exit Seat feature automatically moves the driver seat to make entering and exiting the vehicle easier.

Operation

- When the vehicle is placed in the OFF position, the driver seat may move rearward.
- When the vehicle is placed in the ON/RUN position, the driver seat returns to its previous position.

Settings

When enabled in the Uconnect system, Easy Entry and Exit positions are stored in the active driver memory profile.

Limitations

- Seat movement depends on the driver seat position when the vehicle is turned off.
- The feature may not activate if the seat is already close to its rear-most position.

Front Heated Seats

Description

Front heated seats warm the seat cushion, seatback, or both to help keep you comfortable in cold conditions.

Operation



Turn the heated seats on or off using the controls on the instrument panel or touchscreen. Select the desired heat level. Depending on vehicle equipment, heat can be applied to the seat cushion, seatback, or both.

WARNING!

- Persons who are unable to feel pain to the skin because of advanced age, chronic illness, diabetes, spinal cord injury, medication, alcohol use, exhaustion or other physical condition must exercise care when using the seat heater. It may cause burns even at low temperatures, especially if used for long periods of time.
- Do not place anything on the seat or seatback that insulates against heat, such as a blanket or cushion. This may cause the seat heater to overheat. Sitting in a seat that has been overheated could cause serious burns due to the increased surface temperature of the seat.

Limitations

- The engine must be running for the heated seats to operate.
- Heat will be felt within a few minutes after activation.
- The selected heat level remains on until it is changed or the feature is turned off.

Front Ventilated Seats

Description

Front ventilated seats circulate air through the seat cushion, seatback, or both to help keep you cool in warm conditions.

Operation



Turn the ventilated seats on or off using the vehicle controls on the instrument panel or touchscreen. Select the desired ventilation level. Ventilation can be applied to the seat cushion, seatback, or both.

Limitations

The engine must be running for the ventilated seats to operate.

REAR SEATS

Second Row Bench Seat — If Equipped

Description

WARNING!

Do not place luggage or cargo higher than the top of the seatback. This could impair visibility or become a dangerous projectile in a sudden stop or collision.

The second row bench seat provides seating for rear passengers. Depending on vehicle equipment, the seat can be adjusted forward or rearward, reclined, folded flat, or moved forward to allow access to the third row.

Operation

SEAT CONTROLS

Forward/Rearward Adjustment

Lift the adjustment bar located at the front of the seat near the floor. Slide the seat forward or rearward to the desired position, then release the bar. Use body pressure to confirm the seat adjusters are latched.



Rear Seat Adjustment Bar

Seatback Recline (Outboard Seating Positions)

Lean forward slightly and lift the recline lever located on the outboard side of the seat. Move the seatback forward or rearward to the desired position, then release the lever. Use body pressure to confirm the seatback is latched.



Rear Seat Recline Lever

Seatback Recline (Center Seating Position)

Pull the recline strap located on the seatback and move the seatback forward or rearward. Release the strap when the desired position is reached.



Center Seat Recline Strap

WARNING!

Do not ride with the seatback reclined so that the shoulder belt is no longer resting against your chest. In a collision you could slide under the seat belt, which could result in serious injury or death.

SECOND ROW BENCH FOLD FLAT SEAT

The second row bench seat can be folded flat to increase cargo space.

NOTE:

- Prior to folding the seat, ensure the front seats are fully upright and positioned forward. Vehicles equipped with Rear Seat Entertainment may require the front seats to be positioned at mid-track.
- You may experience deformation in the seat cushion from the seat belt buckles if the seats are left folded for an extended period of time. This is normal and by simply unfolding the seats to the open position, over time the seat cushion will return to its normal shape.

To lower an outboard seatback, pull upward on the recline lever and allow the seatback to fold forward automatically.



Second Row Bench Seat Folded Flat

To lower the center seatback, pull the recline strap located on the left side of the seatback and allow the seatback to fold forward automatically.



Center Seat Recline Strap

To return the seatback to the upright position, raise it and lock it into place.

WARNING!

Be certain that the seatback is securely locked into position. If the seatback is not securely locked into position the seat will not provide the proper stability for child seats and/or passengers. An improperly latched seat could cause serious injury.

EASY ACCESS FOR THIRD ROW

The second row bench seat can slide forward to allow access to the third row seating area.

Press the easy entry button located on the outboard side of the seatback. The seat will pitch forward and slide forward.



Bench Seat Easy Entry Button

To return the seat to a seating position, push the seatback rearward until it locks.

Emergency Straps

If the vehicle loses power, the Easy Entry button will not operate. Emergency straps located on the back of the second row outboard seats allow the seat to be folded forward manually.



Emergency Straps

Pull the emergency straps to fold the second row seat flat.

SECOND ROW CAPTAIN'S CHAIRS — IF EQUIPPED

Description

WARNING!

Do not place luggage or cargo higher than the top of the seatback. This could impair visibility or become a dangerous projectile in a sudden stop or collision.

The second row captain's chairs provide individual seating for rear passengers. Depending on vehicle equipment, the seats can be adjusted forward or rearward, reclined, folded flat, or moved forward to allow access to the third row.

Operation

SEAT CONTROLS

Forward/Rearward Adjustment

Lift the adjustment bar located at the front of the seat near the floor. Slide the seat forward or rearward to the desired position, then release the bar. Use body pressure to confirm the seat adjusters are latched.



Rear Seat Adjustment Bar

Seatback Recline

Lean forward slightly and lift the recline lever located on the outboard side of the seat. Move the seatback forward or rearward to the desired position, then release the lever. Use body pressure to confirm the seatback is latched.



Rear Seat Recline Lever

WARNING!

Do not ride with the seatback reclined so that the shoulder belt is no longer resting against your chest. In a collision you could slide under the seat belt, which could result in serious injury or death.

FOLD FLAT SEATS

The second row captain's chairs can be folded flat to increase cargo space.

NOTE:

- Prior to folding the seat, ensure the front seats are fully upright and positioned forward. Vehicles equipped with Rear Seat Entertainment may require the front seats to be positioned at mid-track.
- You may experience deformation in the seat cushion from the seat belt buckles if the seats are left folded for an extended period of time. This is normal and by simply unfolding the seats to the open position, over time the seat cushion will return to its normal shape.

To fold a seatback forward, pull upward on the recline lever and allow the seatback to fold forward automatically.



Second Row Captain's Chair Folded Flat

To return the seatback to the upright position, raise it and lock it into place.

WARNING!

Be certain that the seatback is securely locked into position. If the seatback is not securely locked into position the seat will not provide the proper stability for child seats and/or passengers. An improperly latched seat could cause serious injury.

EASY ACCESS FOR THIRD ROW

The second row captain's chairs can slide forward to allow access to the third row seating area.

Press the easy entry button located on the outboard side of the seatback. The seat will pitch forward and slide forward.

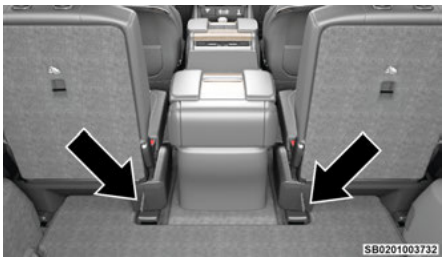


Captain's Chair Easy Entry Button

To return the seat to a seating position, push the seatback rearward until it locks.

Emergency Straps

If the vehicle loses power, the Easy Entry button will not operate. Emergency straps located on the rear of the second row captain's chairs allow the seats to be folded forward manually.



Emergency Straps

Pull the emergency straps to fold the seat flat.

Third Row Seats

Description

WARNING!

Do not place luggage or cargo higher than the top of the seatback. This could impair visibility or become a dangerous projectile in a sudden stop or collision.

The third row seats provide seating for rear passengers. Depending on vehicle equipment, the seats can be folded manually or operated using power controls to increase cargo space or adjust the seatback position.

Operation

SEAT CONTROLS

Manual Seat Recline — If Equipped

Pull the recline straps located on the sides of the seat to adjust the seatback angle.



Recline Straps

Power Recline — If Equipped

Use the power recline switch located on the trim panel next to the seat to adjust the seatback angle.



Third Row Power Recline Switch

Push and hold the forward or rearward button to move the seatback in the corresponding direction. Release the button when the desired position is reached.

WARNING!

- Adjusting a seat while driving may be dangerous. Moving a seat while driving could result in loss of control which could cause a collision and serious injury or death.
- Seats should be adjusted before fastening the seat belts and while the vehicle is parked. Serious injury or death could result from a poorly adjusted seat belt.
- Do not ride with the seatback reclined so that the shoulder belt is no longer resting against your chest. In a collision you could slide under the seat belt, which could result in serious injury or death.
- Do not place the seat belt webbing behind the third row stow clip when using the seat belt to restrain an occupant. The seat belt will not be positioned properly on the occupant and they could be more seriously injured in an accident as a result.

CAUTION!

Do not place any article under a power seat or impede its ability to move as it may cause damage to the seat controls. Seat travel may become limited if movement is stopped by an obstruction in the seat's path.

MANUAL FOLDING THIRD ROW — IF EQUIPPED

Description

Manual folding allows the third row seatback to be folded forward to increase cargo space.

NOTE:

You may experience deformation in the seat cushion from the seat belt buckles if the seats are left folded for an extended period of time. This is normal and by simply unfolding the seats to the open position, over time the seat cushion will return to its normal shape.

Operation

Pull the manual release strap located on the seatback and allow the seatback to fold forward.

NOTE:

The second row seats must be in their full upright position or folded flat when folding the third row seats.

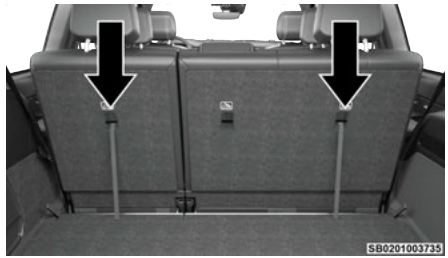


Release Straps



Third Row Folded

To raise the seat, pull the seatback up and push back to lock it into place. You can also use the return straps in the rear cargo area, on the back of the seat.



Return Straps

WARNING!

Be certain that the seatback is securely locked into position. If the seatback is not securely locked into position the seat will not provide the proper stability for child seats and/or passengers. An improperly latched seat could cause serious injury.

POWER FOLDING THIRD ROW — IF EQUIPPED

Description

Power folding rear seatbacks allow the second and third row seats to be folded or unfolded using power controls. Depending on vehicle equipment, power folding switches are located in the rear cargo area and on the C-pillar trim panels.

NOTE:
You may experience deformation in the seat cushion from the seat belt buckles if the seats are left folded for an extended period of time. This is normal and by simply unfolding the seats to the open position, over time the seat cushion will return to its normal shape.

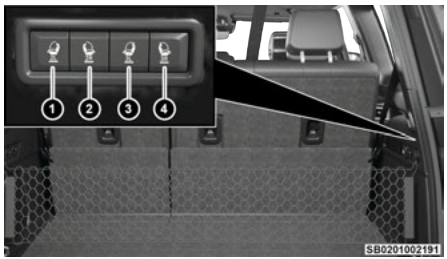
Operation

Use the power folding switches to fold or unfold the rear seatbacks.

Power folding switches are located in the right rear trim panel inside the cargo area, as part of a switch bank. Additional power folding switches for the third row seats are located on the C-pillar trim panels, just behind the rear doors.

NOTE:

- Before operating the power folding seats, place the third row seat belt webbing behind the stow clip. When the seat reaches the desired position, remove the webbing from the stow clip so it is ready for use. Do not leave the seat belt in the stow clip when it is used to restrain an occupant.
- During power seat movement, head restraints may lower automatically. Head restraints can also be lowered manually using the pull strap located at the back of the seat.



Rear Panel Power Switch Bank

1 — Second Row Left Side Fold
2 — Second Row Right Side Fold
3 — Third Row Left Side Fold/Unfold
4 — Third Row Right Side Fold/Unfold



C-Pillar Power Folding Switches (Left Side Shown)

REAR HEATED SEATS — IF EQUIPPED



The rear outboard seats may be equipped with heated seats. Rear heated seat controls are located on the rear of the center console. On vehicles equipped with a Rear Comfort and Convenience Display, heated seat settings can also be selected within the display.

Operation

Press the rear heated seat button to cycle through the available heat settings and to turn the feature off. The selected heat level remains active until it is changed.

Limitations

The vehicle must be running for the rear heated seats to operate.

WARNING!

- Persons who are unable to feel pain to the skin because of advanced age, chronic illness, diabetes, spinal cord injury, medication, alcohol use, exhaustion or other physical condition must exercise care when using the seat heater. It may cause burns even at low temperatures, especially if used for long periods of time.
- Do not place anything on the seat or seatback that insulates against heat, such as a blanket or cushion. This may cause the seat heater to overheat. Sitting in a seat that has been overheated could cause serious burns due to the increased surface temperature of the seat.

Rear Ventilated Seats — If Equipped



The second row outboard seats may be equipped with ventilated seats. Rear ventilated seat controls are located on the rear of the center console and allow rear passengers to operate the seats independently. On vehicles equipped with a Rear Comfort and Convenience Display, ventilated seat settings can also be selected within the display.

Operation

Press the rear ventilated seat button to cycle through the available fan speed settings

Limitations

The engine must be running for the rear ventilated seats to operate.

OCCUPANT RESTRAINT SYSTEMS

Some of the most important safety features in your vehicle are the restraint systems:

Occupant Restraint Systems Features

- Seat Belt Systems
- Supplemental Restraint Systems (SRS) Air Bags
- Child Restraints

Some of the safety features described in this section may be standard equipment on some models, or may be optional equipment on others. If you are not sure, ask an authorized dealer.

Important Safety Precautions

Please pay close attention to the information in this section. It tells you how to use your restraint system properly, to keep you and your passengers as safe as possible.

Here are some simple steps you can take to minimize the risk of harm from a deploying air bag:

1. Children 12 years old and under should always ride buckled up in the rear seat of a vehicle with a rear seat.
2. A child who is not big enough to wear the vehicle seat belt properly must be secured in the appropriate child restraint or belt-positioning booster seat in a rear seating position ⇨ page 59.
3. If a child from 2 to 12 years old (not in a rear-facing child restraint) must ride in the front passenger seat, move the seat as far back as possible and use the proper child restraint ⇨ page 59.
4. Never allow children to slide the shoulder belt behind them or under their arm.
5. You should read the instructions provided with your child restraint to make sure that you are using it properly.
6. All occupants should always wear their lap and shoulder belts properly.
7. The driver and front passenger seats should be moved back as far as practical to allow the front air bags room to inflate.
8. Do not lean against the door or window. If your vehicle has side air bags, and deployment occurs, the side air bags will inflate forcefully into the space between occupants and the door and occupants could be injured.
9. If the air bag system in this vehicle needs to be modified to accommodate a disabled person, see your Owner Handbook for customer service contact information.

WARNING!

- Never place a rear-facing child restraint in front of an air bag. A deploying passenger front air bag can cause death or serious injury to a child 12 years or younger, including a child in a rear-facing child restraint.
- Never install a rear-facing child restraint in the front seat of a vehicle. Only use a rear-facing child

(Continued)

WARNING!
restraint in the rear seat. If the vehicle does not have a rear seat, do not transport a rear-facing child restraint in that vehicle.

Seat Belt Systems

Buckle up even though you are an excellent driver, even on short trips. Someone on the road may be a poor driver and could cause a collision that includes you. This can happen far away from home or on your own street.

Research has shown that seat belts save lives, and they can reduce the seriousness of injuries in a collision. Some of the worst injuries happen when people are thrown from the vehicle. Seat belts reduce the possibility of ejection and the risk of injury caused by striking the inside of the vehicle. Everyone in a motor vehicle should be belted at all times.

Enhanced Seat Belt Use Reminder System (BeltAlert)

Driver And Passenger BeltAlert — If Equipped



BeltAlert is a feature intended to remind the driver and outboard front seat passenger (if equipped with outboard front passenger seat BeltAlert) to buckle their seat belts. The BeltAlert feature is active whenever the vehicle is in the START or ON/RUN position.

Initial Indication

If the driver is unbuckled when the vehicle is first in the START or ON/RUN position, a chime will signal for a few seconds. If the driver or outboard front seat passenger (if equipped with outboard front passenger seat BeltAlert) is unbuckled when the vehicle is first in the START or ON/RUN position the Seat Belt Reminder Light will turn on and remain on until both outboard front seat belts are buckled. The outboard front passenger seat BeltAlert is not active when an outboard front passenger seat is unoccupied.

BeltAlert Warning Sequence

The BeltAlert warning sequence is activated when the vehicle is moving above a specified vehicle speed range and the driver or outboard front seat passenger is unbuckled (if equipped with outboard front passenger seat BeltAlert) (the outboard front passenger seat BeltAlert is not active when the outboard front passenger seat is unoccupied). The BeltAlert warning sequence starts by blinking the Seat Belt Reminder Light and sounding an intermittent chime. Once the BeltAlert warning sequence has completed, the Seat Belt Reminder Light will remain on until the seat belts are buckled. The BeltAlert warning sequence may repeat based on vehicle speed until the driver and occupied outboard front seat passenger seat belts are buckled. The driver should instruct all occupants to buckle their seat belts.

Change of Status

If the driver or outboard front seat passenger (if equipped with outboard front passenger seat BeltAlert) unbuckles their seat belt while the vehicle is traveling, the BeltAlert warning sequence will begin until the seat belts are buckled again.

The outboard front passenger seat BeltAlert is not active when the outboard front passenger seat is unoccupied. BeltAlert may be triggered when an animal or other items are placed on the outboard front passenger seat or when the seat is folded flat (if equipped). It is recommended that pets be restrained in the rear seat (if equipped) in pet harnesses or pet carriers that are secured by seat belts, and cargo is properly stowed.

BeltAlert can be activated or deactivated by an authorized dealer. FCA US LLC does not recommend deactivating BeltAlert.

NOTE:

If BeltAlert has been deactivated and the driver or outboard front seat passenger (if equipped with outboard front passenger seat BeltAlert) is unbuckled the Seat Belt Reminder Light will turn on and remain on until the driver and outboard front seat passenger seat belts are buckled.

Lap/Shoulder Belts

All seating positions in your vehicle are equipped with lap/shoulder belts.

The seat belt webbing retractor will lock only during very sudden stops or collisions. This feature allows the shoulder part of the seat belt to move freely with you under normal conditions. However, in a collision the seat belt will lock and reduce your risk of striking the inside of the vehicle or being thrown out of the vehicle.

WARNING!
• Relying on the air bags alone could lead to more severe injuries in a collision. The air bags work

(Continued)

WARNING!

with your seat belt to restrain you properly. In some collisions, the air bags won't deploy at all. Always wear your seat belt even though you have air bags.

- In a collision, you and your passengers can suffer much greater injuries if you are not properly buckled up. You can strike the interior of your vehicle or other passengers, or you can be thrown out of the vehicle. Always be sure you and others in your vehicle are buckled up properly.
- It is dangerous to ride in a cargo area, inside or outside of a vehicle. In a collision, people riding in these areas are more likely to be seriously injured or killed.
- Do not allow people to ride in any area of your vehicle that is not equipped with seats and seat belts.
- Be sure everyone in your vehicle is in a seat and using a seat belt properly. Occupants, including the driver, should always wear their seat belts whether or not an air bag is also provided at their seating position to minimize the risk of severe injury or death in the event of a crash.
- Wearing your seat belt incorrectly could make your injuries in a collision much worse. You might suffer internal injuries, or you could even slide out of the seat belt. Follow these instructions to wear your seat belt safely and to keep your passengers safe, too.
- Two people should never be belted into a single seat belt. People belted together can crash into

(Continued)

WARNING!

one another in a collision, hurting one another badly. Never use a lap/shoulder belt or a lap belt for more than one person, no matter what their size.

WARNING!

- A lap belt worn too high can increase the risk of injury in a collision. The seat belt forces won't be at the strong hip and pelvic bones, but across your abdomen. Always wear the lap part of your seat belt as low as possible and keep it snug.
- A twisted seat belt may not protect you properly. In a collision, it could even cut into you. Be sure the seat belt is flat against your body, without twists. If you can't straighten a seat belt in your vehicle, take it to an authorized dealer immediately and have it fixed.
- A seat belt that is buckled into the wrong buckle will not protect you properly. The lap portion could ride too high on your body, possibly causing internal injuries. Always buckle your seat belt into the buckle nearest you.
- A seat belt that is too loose will not protect you properly. In a sudden stop, you could move too far forward, increasing the possibility of injury. Wear your seat belt snugly.
- A seat belt that is worn under your arm is dangerous. Your body could strike the inside surfaces of the vehicle in a collision, increasing head and neck injury. A seat belt worn under the

(Continued)

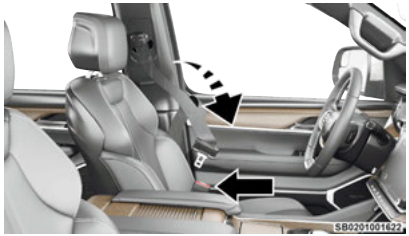
WARNING!

arm can cause internal injuries. Ribs aren't as strong as shoulder bones. Wear the seat belt over your shoulder so that your strongest bones will take the force in a collision.

- A shoulder belt placed behind you will not protect you from injury during a collision. You are more likely to hit your head in a collision if you do not wear your shoulder belt. The lap and shoulder belt are meant to be used together.
- A frayed or torn seat belt could rip apart in a collision and leave you with no protection. Inspect the seat belt system periodically, checking for cuts, frays, or loose parts. Damaged parts must be replaced immediately. Do not disassemble or modify the seat belt system. If your vehicle is involved in a collision, or if you have questions regarding seat belt or retractor conditions, take your vehicle to an authorized FCA dealer or authorized FCA Certified Collision Care Program facility for inspection.

Lap/Shoulder Belt Operating Instructions

1. Enter the vehicle and close the door. Sit back and adjust the seat.
2. The seat belt latch plate is above the back of the front seat, and next to your arm in the rear seat (for vehicles equipped with a rear seat). Grab the latch plate and pull out the seat belt. Slide the latch plate up the webbing as far as necessary to allow the seat belt to go around your lap.



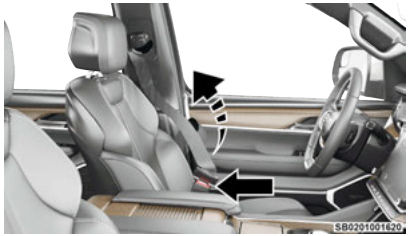
Pulling Out The Latch Plate

3. When the seat belt is long enough to fit, insert the latch plate into the buckle until you hear a “click.”



Inserting Latch Plate Into Buckle

4. Position the lap belt so that it is snug and lies low across your hips, below your abdomen. To remove slack in the lap belt portion, pull up on the shoulder belt. To loosen the lap belt if it is too tight, tilt the latch plate and pull on the lap belt. A snug seat belt reduces the risk of sliding under the seat belt in a collision.



Positioning The Lap Belt

5. Position the shoulder belt across the shoulder and chest with minimal, if any slack so that it is comfortable and not resting on your neck. The retractor will withdraw any slack in the shoulder belt.
6. To release the seat belt, push the red button on the buckle. The seat belt will automatically retract to its stowed position. If necessary, slide the latch plate down the webbing to allow the seat belt to retract fully.

Lap/Shoulder Belt Untwisting Procedure

Use the following procedure to untwist a twisted lap/shoulder belt.

1. Position the latch plate as close as possible to the anchor point.
2. At about 6 to 12 inches (15 to 30 cm) above the latch plate, grab and twist the seat belt webbing 180 degrees to create a fold that begins immediately above the latch plate.
3. Slide the latch plate upward over the folded webbing. The folded webbing must enter the slot at the top of the latch plate.
4. Continue to slide the latch plate up until it clears the folded webbing and the seat belt is no longer twisted.

Adjustable Upper Shoulder Belt Anchorage

In the driver and outboard front passenger seats, the top of the shoulder belt can be adjusted upward or downward to position the seat belt away from your neck. Push or squeeze the anchorage button to release the anchorage, and move it up or down to the position that serves you best.



Adjustable Upper Anchorage

As a guide, if you are shorter than average, you will prefer the shoulder belt anchorage in a lower position, and if you are taller than average, you will prefer the shoulder belt anchorage in a higher position. After you

release the anchorage button, try to move it up or down to make sure that it is locked in position.

NOTE:
The adjustable upper shoulder belt anchorage is equipped with an Easy Up feature. This feature allows the shoulder belt anchorage to be adjusted in the upward position without pushing or squeezing the release button. To verify the shoulder belt anchorage is latched, pull downward on the shoulder belt anchorage until it is locked into position.

WARNING!

- Wearing your seat belt incorrectly could make your injuries in a collision much worse. You might suffer internal injuries, or you could even slide out of the seat belt. Follow these instructions to wear your seat belt safely and to keep your passengers safe, too.
- Position the shoulder belt across the shoulder and chest with minimal, if any slack so that it is comfortable and not resting on your neck. The retractor will withdraw any slack in the shoulder belt.
- Misadjustment of the seat belt could reduce the effectiveness of the safety belt in a crash.
- Always make all seat belt height adjustments when the vehicle is stationary.

Third Row Center Seat Belt Operating Instructions

The third row center seat belts feature a seat belt with a mini-latch plate and buckle, which allows the seat belt to detach from the lower anchor when the seat is folded. The mini-latch plate and regular latch plate can then be stored out of the way in the headliner for added convenience to open up utilization of the storage areas behind the front seats when the seat is not occupied.

1. Remove the mini-latch plate and regular latch plate from its stowed position in the headliner slightly behind third row seat.



Mini-Latch Stowage

2. Grab the mini-latch plate and pull the seat belt over the seat.



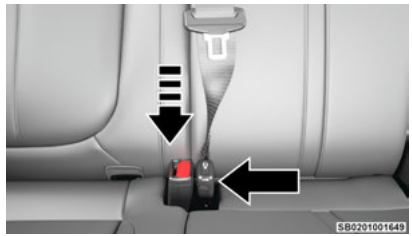
Mini-Latch Plate

3. Route the shoulder belt to the inside of the right head restraint.



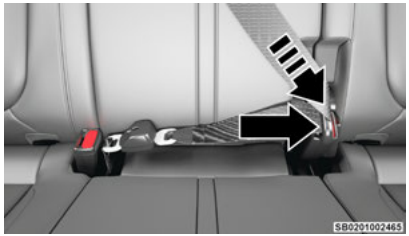
Routing The Third Row Seat Belt Latch Plate

4. When the seat belt is long enough to fit, insert the mini-latch plate into the mini-buckle until you hear a “click.”



Connect Mini-Latch To Mini-Buckle

5. Sit back in seat. Slide the regular latch plate up the webbing as far as necessary to allow the seat belt to go around your lap.
6. When the seat belt is long enough to fit, insert the latch plate into the buckle until you hear a “click.”



Third Row Center Seat Belt Buckled

7. Position the lap belt so that it is snug and lies low across your hips, below your abdomen. To remove slack in the lap belt portion, pull up on the shoulder belt. To loosen the lap belt if it is too tight, pull on the lap belt. A snug seat belt reduces the risk of sliding under the seat belt in a collision.
8. Position the shoulder belt on your chest so that it is comfortable and not resting on your neck. The retractor will withdraw any slack in the seat belt.
9. To release the seat belt, push the red button on the buckle.
10. To disengage the mini-latch plate from the mini-buckle for storage, insert the regular latch plate into the center slot on the mini-buckle. The seat belt will automatically retract to its stowed position. If necessary, slide the latch plate down the webbing to allow the seat belt to retract fully. Insert the mini-latch plate and regular latch plate into its stowed position.

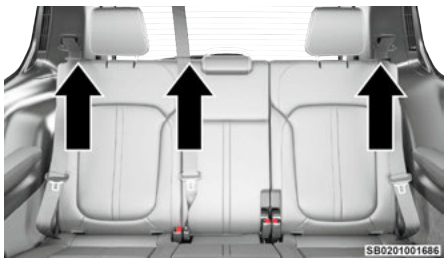
WARNING!

- If the mini-latch plate and mini-buckle are not properly connected when the seat belt is used by an occupant, the seat belt will not be able to provide proper restraint and will increase the risk of injury in a collision.
- When reattaching the mini-latch plate and mini-buckle, ensure the seat belt webbing is not twisted. If the webbing is twisted, follow the preceding procedure to detach the mini-latch plate and mini-buckle, untwist the webbing, and reattach the mini-latch plate and mini-buckle.

Third Row Belt Guides

NOTE:

There are three belt guides located on the top of the seat backs, one for each seating position in the third row. They can be used to keep the shoulder belt in a fixed position for additional comfort, if needed.



Third Row Belt Guides

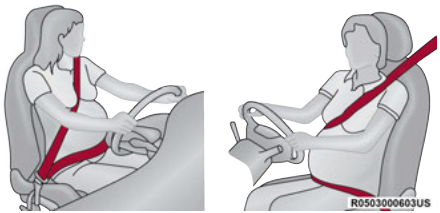
Seat Belt Extender

If a seat belt is not long enough to fit properly, even when the webbing is fully extended and the adjustable upper shoulder belt anchorage (if equipped) is in its lowest position, an authorized dealer can provide you with a Seat Belt Extender. The Seat Belt Extender should be used only if the existing seat belt is not long enough. When the Seat Belt Extender is not required for a different occupant, it must be removed.

WARNING!

- ONLY use a Seat Belt Extender if it is physically required in order to properly fit the original seat belt system. DO NOT USE the Seat Belt Extender if, when worn, the distance between the front edge of the Seat Belt Extender buckle and the center of the occupant's body is LESS than 6 inches.
- Using a Seat Belt Extender when not needed can increase the risk of serious injury or death in a collision. Only use the Seat Belt Extender when the lap belt is not long enough and only use in the recommended seating positions. Remove and store the Seat Belt Extender when not needed.

Seat Belts And Pregnant Women



Seat Belts And Pregnant Women

Seat belts must be worn by all occupants including pregnant women: the risk of injury in the event of an accident is reduced for the mother and the unborn child if they are wearing a seat belt.

Position the lap belt snug and low below the abdomen and across the strong bones of the hips. Place the shoulder belt across the chest and away from the neck. Never place the shoulder belt behind the back or under the arm.

Seat Belt Pretensioner

The front outboard seat belt system is equipped with pretensioning devices that are designed to remove slack from the seat belt in the event of a collision. These devices may improve the performance of the seat belt by removing slack from the seat belt early in a collision. Pretensioners work for all size occupants, including those in child restraints.

NOTE:
These devices are not a substitute for proper seat belt placement by the occupant. The seat belt still must be worn snugly and positioned properly.

The pretensioners are triggered by the Occupant Restraint Controller (ORC). Like the air bags, the pretensioners are single use items. A deployed pretensioner or a deployed air bag must be replaced immediately.

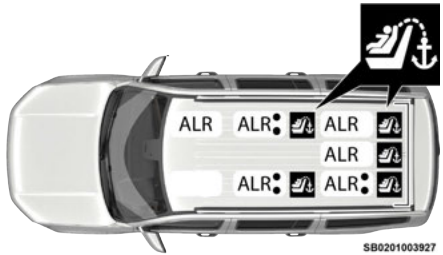
Energy Management Feature

The front outboard seat belt system is equipped with an Energy Management feature that may help further reduce the risk of injury in the event of a collision. The seat belt system has a retractor assembly that is designed to release webbing in a controlled manner.

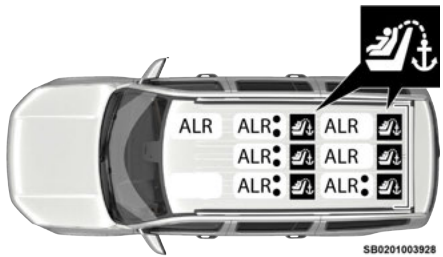
Switchable Automatic Locking Retractor (ALR)

The seat belts in the passenger seating positions are equipped with a Switchable Automatic Locking Retractor (ALR) which is used to secure a child restraint system ⇨ page 67.

The figures provided illustrate the locking feature for each seating position.



Seven Passenger (Second Row Captain's Chairs) Automatic Locking Retractor (ALR) Locations



Eight Passenger (Second Row Bench) Automatic Locking Retractor (ALR) Locations

If the passenger seating position is equipped with an ALR and is being used for normal usage, only pull the seat belt webbing out far enough to comfortably wrap around the occupant's mid-section so as to not activate the ALR. If the ALR is activated, you will hear a clicking sound as the seat belt retracts. Allow the

webbing to retract completely in this case and then carefully pull out only the amount of webbing necessary to comfortably wrap around the occupant's mid-section. Slide the latch plate into the buckle until you hear a "click".

In Automatic Locking Mode, the shoulder belt is automatically pre-locked. The seat belt will still retract to remove any slack in the shoulder belt. Use the Automatic Locking Mode anytime a child restraint is installed in a seating position that has a seat belt with this feature. Children 12 years old and under should always be properly restrained in the rear seat of a vehicle with a rear seat.

WARNING!

- Never place a rear-facing child restraint in front of an air bag. A deploying passenger front air bag can cause death or serious injury to a child 12 years or younger, including a child in a rear-facing child restraint.
- Never install a rear-facing child restraint in the front seat of a vehicle. Only use a rear-facing child restraint in the rear seat. If the vehicle does not have a rear seat, do not transport a rear-facing child restraint in that vehicle.

How To Engage The Automatic Locking Mode

1. Buckle the combination lap and shoulder belt.
2. Grab the shoulder portion and pull downward until the entire seat belt is extracted.
3. Allow the seat belt to retract. As the seat belt retracts, you will hear a clicking sound. This indicates the seat belt is now in the Automatic Locking Mode.

How To Disengage The Automatic Locking Mode

Unbuckle the combination lap/shoulder belt and allow it to retract completely to disengage the Automatic Locking Mode and activate the vehicle sensitive (emergency) locking mode.

WARNING!

- The seat belt assembly must be replaced if the switchable Automatic Locking Retractor (ALR) feature or any other seat belt function is not working properly when checked according to the procedures in the Service Manual.
- Failure to replace the seat belt assembly could increase the risk of injury in collisions.
- Do not use the Automatic Locking Mode to restrain occupants who are wearing the seat belt or children who are using booster seats. The locked mode is only used to install rear-facing or forward-facing child restraints that have a harness for restraining the child.

SUPPLEMENTAL RESTRAINT SYSTEMS (SRS)

Some of the safety features described in this section may be standard equipment on some models, or may be optional equipment on others. If you are not sure, ask an authorized dealer.

The air bag system must be ready to protect you in a collision. The Occupant Restraint Controller (ORC) monitors the internal circuits and interconnecting wiring associated with the electrical Air Bag System Components. Your vehicle may be equipped with the following Air Bag System Components:

Air Bag System Components

- Occupant Restraint Controller (ORC)
- Air Bag Warning Light
- Steering Wheel and Column
- Instrument Panel
- Knee Impact Bolsters
- Driver and Front Passenger Air Bags
- Seat Belt Buckle Switch
- Supplemental Side Air Bags
- Supplemental Knee Air Bags
- Front and Side Impact Sensors
- Seat Belt Pretensioners
- Seat Track Position Sensors
- Occupant Classification System

Air Bag Warning Light



The Occupant Restraint Controller (ORC) monitors the readiness of the electronic parts of the air bag system whenever the start button is in the START or ON/RUN position. If the start button is in the OFF position, the air bag system is not on and the air bags will not inflate.

The ORC contains a backup power supply system that may deploy the air bag system even if the battery loses power or it becomes disconnected prior to deployment.

The ORC turns on the Air Bag Warning Light in the instrument panel for approximately two to eight seconds for a self-check when the start button is first in the ON/RUN position. After the self-check, the Air Bag Warning Light will turn off. If the ORC detects a malfunction in any part of the system, it turns on the Air Bag Warning Light, either momentarily or continuously. A single chime will sound to alert you if the light comes on again after initial startup.

The ORC also includes diagnostics that will illuminate the instrument panel Air Bag Warning Light if a malfunction is detected that could affect the air bag system. The diagnostics also record the nature of the malfunction. While the air bag system is designed to be maintenance free, if any of the following occurs, have an authorized dealer service the air bag system immediately.

- The Air Bag Warning Light does not come on during the two to eight seconds when the start button is first in the ON/RUN position.
- The Air Bag Warning Light remains on after the two to eight-second interval.
- The Air Bag Warning Light comes on intermittently or remains on while driving.

NOTE:

If the speedometer, tachometer, or any engine related gauges are not working, the Occupant Restraint Controller (ORC) may also be disabled. In this condition the air bags may not be ready to inflate for your protection. Have an authorized dealer service the air bag system immediately.

WARNING!

Ignoring the Air Bag Warning Light in your instrument panel could mean you won't have the air bag system to protect you in a collision. If the light does not come on as a bulb check when the vehicle is first turned on, stays on after you start the vehicle, or if it comes on as you drive, have an authorized dealer service the air bag system immediately.

Redundant Air Bag Warning Light



If a fault with the Air Bag Warning Light is detected, which could affect the Supplemental Restraint System (SRS), the Redundant Air Bag Warning Light will illuminate on the instrument panel. The Redundant Air Bag Warning Light will stay on until the fault is cleared. In addition, a single chime will sound to alert you that the Redundant Air Bag Warning Light has come on and a fault has been detected. If the Redundant Air Bag Warning Light comes on intermittently or remains on while driving have an authorized dealer service the vehicle immediately ⇨ page 106.

Front Air Bags

This vehicle has front air bags and lap/shoulder belts for both the driver and front passenger. The front air bags are a supplement to the seat belt restraint systems. The driver front air bag is mounted in the center of the steering wheel. The passenger front air bag is mounted in the instrument panel, above the glove compartment. The words "SRS AIRBAG" or "AIRBAG" are embossed on the air bag covers.



Front Air Bag/Knee Bolster Locations

1 — Driver And Passenger Front Air Bags
2 — Driver Knee Impact Bolster/Supplemental Driver Knee Air Bag
3 — Passenger Knee Impact Bolster/Supplemental Passenger Knee Air Bag

WARNING!

- Being too close to the steering wheel or instrument panel during front air bag deployment could cause serious injury, including death. Air bags need room to inflate. Sit back, comfortably extending your arms to reach the steering wheel or instrument panel.
- Never place a rear-facing child restraint in front of an air bag. A deploying passenger front air bag can cause death or serious injury to a child 12 years

(Continued)

WARNING!

or younger, including a child in a rear-facing child restraint.

- Never install a rear-facing child restraint in the front seat of a vehicle. Only use a rear-facing child restraint in the rear seat. If the vehicle does not have a rear seat, do not transport a rear-facing child restraint in that vehicle.

Driver And Passenger Front Air Bag Features

The Advanced Front Air Bag system has multistage driver and front passenger air bags. This system provides output appropriate to the severity and type of collision as determined by the Occupant Restraint Controller (ORC), which may receive information from the front impact sensors (if equipped) or other system components.

The first stage inflator is triggered immediately during an impact that requires air bag deployment. A low energy output is used in less severe collisions. A higher energy output is used for more severe collisions.

This vehicle may be equipped with a driver and/or front passenger seat belt buckle switch that detects whether the driver or front passenger seat belt is buckled. The seat belt buckle switch may adjust the inflation rate of the Advanced Front Air Bags.

This vehicle may be equipped with driver and/or front passenger seat track position sensors that may adjust the inflation rate of the Advanced Front Air Bags based upon seat position.

This vehicle is equipped with a right front passenger Occupant Classification System ("OCS") that is designed to provide Passenger Advanced Front Air Bag output appropriate to the occupant's seated weight input, as determined by the OCS.

WARNING!

- No objects should be placed over or near the air bag on the instrument panel or steering wheel because any such objects could cause harm if the vehicle is in a collision severe enough to cause the air bag to inflate.
- Do not put anything on or around the air bag covers or attempt to open them manually. You may damage the air bags and you could be injured because the air bags may no longer be functional. The protective covers for the air bag cushions are designed to open only when the air bags are inflating.
- Relying on the air bags alone could lead to more severe injuries in a collision. The air bags work with your seat belt to restrain you properly. In some collisions, air bags won't deploy at all. Always wear your seat belts even though you have air bags.

Front Air Bag Operation

Front Air Bags are designed to provide additional protection by supplementing the seat belts. Front air bags are not expected to reduce the risk of injury in rear, side, or rollover collisions. The front air bags will not deploy in all frontal collisions, including some that may produce substantial vehicle damage — for example, some pole collisions, truck underrides, and angle offset collisions.

On the other hand, depending on the type and location of impact, front air bags may deploy in crashes with little vehicle front-end damage but that produce a severe initial deceleration.

Because air bag sensors measure vehicle deceleration over time, vehicle speed and damage by themselves are not good indicators of whether or not an air bag should have deployed.

Seat belts are necessary for your protection in all collisions, and also are needed to help keep you in position, away from an inflating air bag.

When the Occupant Restraint Controller (ORC) detects a collision requiring the front air bags, it signals the inflator units. A large quantity of non-toxic gas is generated to inflate the front air bags.

The steering wheel hub trim cover and the upper passenger side of the instrument panel separate and fold out of the way as the air bags inflate to their full size. The front air bags fully inflate in less time than it takes to blink your eyes. The front air bags then quickly deflate while helping to restrain the driver and front passenger.

Occupant Classification System (OCS) — Front Passenger Seat

The Occupant Classification System (OCS) is part of a Federally regulated safety system for this vehicle. It is designed to provide Passenger Advanced Front Air Bag output appropriate to the occupant's seated weight, as determined by the OCS.

The Occupant Classification System (OCS) consists of the following:

- Occupant Restraint Controller (ORC)
- Occupant Classification Module (OCM) and Sensor located in the front passenger seat
- Air Bag Warning Light

Occupant Classification Module (OCM) And Sensor

The Occupant Classification Module (OCM) is located underneath the front passenger seat. The Sensor is located beneath the passenger seat cushion foam. Any weight on the seat will be sensed by the Sensor. The OCM uses input from the Sensor to determine the front passenger's most probable classification. The OCM communicates this information to the ORC. The ORC may reduce the inflation rate of the Passenger Advanced Front Air Bag deployment based on occupant classification. In order for the OCS to operate as designed, it is important for the front passenger to be seated properly and properly wearing the seat belt.

The OCS will NOT prevent deployment of the Passenger Advanced Front Air Bag. The OCS may reduce the inflation rate of the Passenger Advanced Front Air Bag if the OCS estimates that:

- The front passenger seat is unoccupied or has very light objects on it; or
- The front passenger seat is occupied by a small passenger, including a child; or
- The front passenger seat is occupied by a rear-facing child restraint; or
- The front passenger is not properly seated or his or her weight is taken off of the seat for a period of time.

Front Passenger Seat Occupant Status	Front Passenger Air Bag Output
Rear-facing child restraint	Reduced-power deployment
Child, including a child in a forward-facing child restraint or booster seat*	Reduced-power deployment OR Full-power deployment
Properly seated adult	Full-power deployment OR reduced-power deployment
Unoccupied seat	Reduced-power deployment

* It is possible for a child to be classified as an adult, allowing a full-power Passenger Advanced Front Air Bag deployment. Never allow children to ride in the front passenger seat and never install a child restraint system, including a rear-facing child restraint, in the front passenger seat.

WARNING!

- Never place a rear-facing child restraint in front of an air bag. A deploying passenger front air bag can cause death or serious injury to a child 12 years or younger, including a child in a rear-facing child restraint.

(Continued)

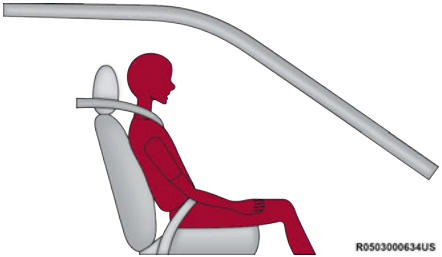
WARNING!

- Never install a rear-facing child restraint in the front seat of a vehicle. Only use a rear-facing child restraint in the rear seat. If the vehicle does not have a rear seat, do not transport a rear-facing child restraint in that vehicle.
- Children 12 years or younger should always ride buckled up in the rear seat of a vehicle with a rear seat.

The OCS determines the front passenger's most probable classification. The OCS estimates the seated weight on the front passenger seat and where that weight is located. The OCS communicates the classification status to the ORC. The ORC uses the classification to determine whether the Passenger Advanced Front Air Bag inflation rate should be adjusted.

In order for the OCS to operate as designed, it is important for the front passenger to be seated properly and properly wearing the seat belt. Properly seated passengers are:

- Sitting upright
- Facing forward
- Sitting in the center of the seat with their feet comfortably on or near the floor
- Sitting with their back against the seatback and the seatback in an upright position



Seated Properly

Lighter Weight Passengers (Including Small Adults)

When a lighter weight passenger, including a small adult, occupies the front passenger seat, the OCS may reduce the inflation rate of the Passenger Advanced Front Air Bag. This does not mean that the OCS is working improperly.

Do not decrease OR increase the front passenger's seated weight on the front passenger seat

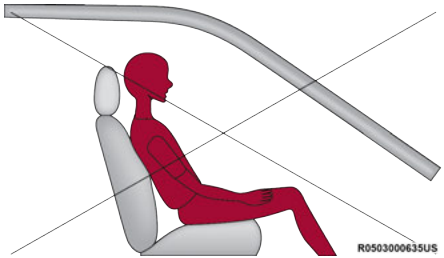
The front passenger's seated weight must be properly positioned on the front passenger seat. Failure to do so may result in serious injury or death. The OCS determines the most probable classification of the occupant that it detects. The OCS will detect the front passenger's decreased or increased seated weight, which may result in an adjusted inflation rate of the Passenger Advanced Front Air Bag in a collision. This does not mean that the OCS is working improperly. Decreasing the front passenger's seated weight on the front passenger seat may result in a reduced-power deployment of the Passenger Advanced Front Air Bag. Increasing the front passenger's seated weight on the front passenger seat may result in a full-power deployment of the Passenger Advanced Front Air Bag.

Examples of improper front passenger seating include:

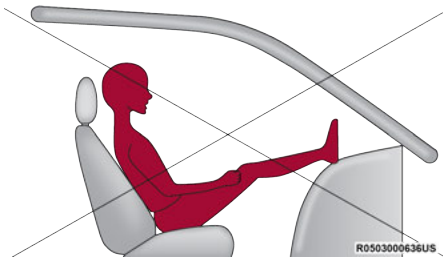
- The front passenger's weight is transferred to another part of the vehicle (like the door, arm rest or instrument panel).
- The front passenger leans forward, sideways, or turns to face the rear of the vehicle.
- The front passenger's seatback is not in the full upright position.
- The front passenger carries or holds an object while seated (e.g., backpack, box, etc.).
- Objects are lodged under the front passenger seat.
- Objects are lodged between the front passenger seat and center console.
- Accessories that may change the seated weight on the front passenger seat are attached to the front passenger seat.
- Anything that may decrease or increase the front passenger's seated weight.

The OCS determines the front passenger's most probable classification. If an occupant in the front passenger seat is seated improperly, the occupant may provide an output signal to the OCS that is different from the occupant's properly seated weight input.

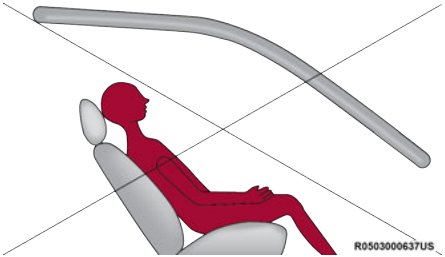
For example:



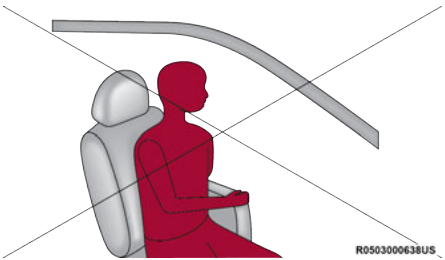
Not Seated Properly



Not Seated Properly



Not Seated Properly



Not Seated Properly

WARNING!

- If a child restraint system, child, small teenager or adult in the front passenger seat is seated improperly, the occupant may provide an output signal to the OCS that is different from the

(Continued)

WARNING!

occupant's properly seated weight input. This may result in serious injury or death in a collision.

- Always wear your seat belt and sit properly, with the seatback in an upright position, your back against the seatback, sitting upright, facing forward, in the center of the seat, with your feet comfortably on or near the floor.
- Do not carry or hold any objects (e.g., backpacks, boxes, etc.) while seated in the front passenger seat. Holding an object may provide an output signal to the OCS that is different than the occupant's properly seated weight input, which may result in serious injury or death in a collision.
- Placing an object on the floor under the front passenger seat may prevent the OCS from working properly, which may result in serious injury or death in a collision. Do not place any objects on the floor under the front passenger seat.

The Air Bag Warning Light in the instrument panel will turn on whenever the OCS is unable to classify the front passenger seat status. A malfunction in the OCS may affect the operation of the air bag system.

If the Air Bag Warning Light does not come on, or stays on after you start the vehicle, or it comes on as you drive, take the vehicle to an authorized dealer for service immediately.

The passenger seat assembly contains critical OCS components that may affect the Passenger Advanced Front Air Bag inflation. In order for the OCS to properly classify the seated weight of a front seat passenger, the OCS components must function as designed. Do not make any modifications to the front passenger seat components, assembly, or to the seat cover. If the seat, trim cover, or cushion needs service for any reason, take the vehicle to an authorized dealer. Only FCA US LLC approved seat accessories may be used.

The following requirements must be strictly followed:

- Do not modify the front passenger seat assembly or components in any way.
- Do not use prior or future model year seat covers or cushions not designated by FCA US LLC for the specific model being repaired. Always use the correct seat cover and cushion specified for the vehicle.
- Do not replace the seat cover or cushion with an aftermarket seat cover or cushion.
- Do not add a secondary seat cover or mat.
- At no time should any Supplemental Restraint System (SRS) component or SRS related component or fastener be modified or replaced with any part except those which are approved by FCA US LLC.

WARNING!

- Unapproved modifications or service procedures to the passenger seat assembly, its related components, seat cover or cushion may inadvertently change the air bag deployment in case of a frontal collision. This could result in death or serious injury to the front passenger

(Continued)

WARNING!

if the vehicle is involved in a collision. A modified vehicle may not comply with required Federal Motor Vehicle Safety Standards (FMVSS) and/or Canadian Motor Vehicle Safety Standards (CMVSS).

- If it is necessary to modify the air bag system for persons with disabilities, contact an authorized dealer.

Knee Impact Bolsters

The Knee Impact Bolsters help protect the knees of the driver and front passenger, and position the front occupants for improved interaction with the front air bags.

WARNING!

- Do not drill, cut, or tamper with the knee impact bolsters in any way.
- Do not mount any accessories to the knee impact bolsters such as alarm lights, stereos, citizen band radios, etc.

Supplemental Driver And Front Passenger Knee Air Bags

This vehicle is equipped with a Supplemental Driver Knee Air Bag mounted in the instrument panel below the steering column and a Supplemental Passenger Knee Air Bag mounted in the instrument panel below the glove compartment. The Supplemental Knee Air Bags provide enhanced protection during a frontal impact by working together with the seat belts, pretensioners, and front air bags.

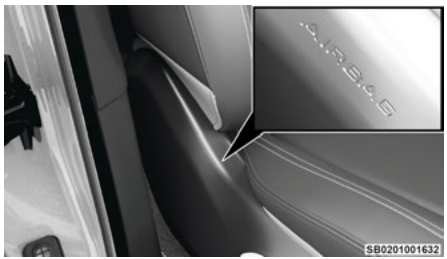
Supplemental Side Air Bags

Supplemental Seat-Mounted Side Air Bags (SABs)

This vehicle is equipped with Supplemental Seat-Mounted Side Air Bags (SABs).

Supplemental Seat-Mounted Side Air Bags (SABs) are located in the outboard side of the front seats. The SABs are marked with “SRS AIRBAG” or “AIRBAG” on a label or on the seat trim on the outboard side of the seats.

The SABs may help to reduce the risk of occupant injury during certain side impacts, in addition to the injury reduction potential provided by the seat belts and body structure.



Front Supplemental Seat-Mounted Side Air Bag Label

When the SAB deploys, it opens the seam on the outboard side of the seatback’s trim cover. The inflating SAB deploys through the seat seam into the space between the occupant and the door. The SAB moves at a very high speed and with such a high force that it could injure occupants if they are not seated properly, or if items are positioned in the area where the SAB inflates. Children are at an even greater risk of injury from a deploying air bag.

WARNING!

Do not use accessory seat covers or place objects between you and the Side Air Bags; the performance could be adversely affected and/or objects could be pushed into you, causing serious injury.

Supplemental Side Air Bag Inflatable Curtains (SABICs)

This vehicle is equipped with Supplemental Side Air Bag Inflatable Curtains (SABICs).

Supplemental Side Air Bag Inflatable Curtains (SABICs) are located above the side windows. The trim covering the SABICs is labeled “SRS AIRBAG” or “AIRBAG.”



Supplemental Side Air Bag Inflatable Curtain (SABIC) Label Location

SABICs may help reduce the risk of head and other injuries to front and rear seat outboard occupants in certain side impacts, in addition to the injury reduction potential provided by the seat belts and body structure.

The SABIC deploys downward, covering the side windows. An inflating SABIC pushes the outside edge of the headliner out of the way and covers the window. The SABICs inflate with enough force to injure occupants if they are not belted and seated properly, or if items are positioned in the area where the SABICs inflate. Children are at an even greater risk of injury from a deploying air bag.

The SABICs may help reduce the risk of partial or complete ejection of vehicle occupants through side windows in certain side impact events.

WARNING!

- Do not mount equipment, or stack luggage or other cargo up high enough to block the deployment of the SABICs. The trim covering above the side windows where the SABIC and its deployment path are located should remain free from any obstructions.
- In order for the SABICs to work as intended, do not install any accessory items in your vehicle which could alter the roof. Do not add an aftermarket sunroof to your vehicle. Do not add roof racks that require permanent attachments (bolts or screws) for installation on the vehicle roof. Do not drill into the roof of the vehicle for any reason.

Side Impacts

The Side Air Bags are designed to activate in certain side impacts. The Occupant Restraint Controller (ORC) determines whether the deployment of the Side Air Bags in a particular impact event is appropriate, based on the severity and type of collision. The side impact sensors aid the ORC in determining the appropriate response to impact events. The system is calibrated to deploy the Side Air Bags on the impact side of the vehicle during impacts that require Side Air Bag occupant protection. In side impacts, the Side Air Bags deploy independently; a left side impact deploys the left Side Air Bags only and a right-side impact deploys the right Side Air Bags only. Vehicle damage by itself is not a good indicator of whether or not Side Air Bags should have deployed.

The Side Air Bags will not deploy in all side collisions, including some collisions at certain angles, or some side collisions that do not impact the area of the passenger compartment. The Side Air Bags may deploy during angled or offset frontal collisions where the front air bags deploy.

Side Air Bags are a supplement to the seat belt restraint system. Side Air Bags deploy in less time than it takes to blink your eyes.

WARNING!

- Occupants, including children, who are up against or very close to Side Air Bags can be seriously injured or killed. Occupants, including children, should never lean on or sleep against the door, side windows, or area where the side air bags

(Continued)

WARNING!

inflate, even if they are in an infant or child restraint.

- Seat belts (and child restraints where appropriate) are necessary for your protection in all collisions. They also help keep you in position, away from an inflating Side Air Bag. To get the best protection from the Side Air Bags, occupants must wear their seat belts properly and sit upright with their backs against the seats. Children must be properly restrained in a child restraint or booster seat that is appropriate for the size of the child.

WARNING!

- Side Air Bags need room to inflate. Do not lean against the door or window. Sit upright in the center of the seat.
- Being too close to the Side Air Bags during deployment could cause you to be severely injured or killed.
- Relying on the Side Air Bags alone could lead to more severe injuries in a collision. The Side Air Bags work with your seat belt to restrain you properly. In some collisions, Side Air Bags won't deploy at all. Always wear your seat belt even though you have Side Air Bags.

NOTE:

Air bag covers may not be obvious in the interior trim, but they will open during air bag deployment.

Rollover Events

Side Air Bags and seat belt pretensioners are designed to activate in certain rollover events. The Occupant Restraint Controller (ORC) determines whether deployment in a particular rollover event is appropriate, based on the severity and type of collision. Vehicle damage by itself is not a good indicator of whether or not Side Air Bags and seat belt pretensioners should have deployed.

The Side Air Bags and seat belt pretensioners will not deploy in all rollover events. The rollover sensing system determines if a rollover event may be in progress and whether deployment is appropriate. In the event the vehicle experiences a rollover or near rollover event, and deployment is appropriate, the rollover sensing system will deploy the side air bags and seat belt pretensioners on both sides of the vehicle.

The SABICs may help reduce the risk of partial or complete ejection of vehicle occupants through side windows in certain rollover or side impact events.

Air Bag System Components

NOTE:

The Occupant Restraint Controller (ORC) monitors the internal circuits and interconnecting wiring associated with the following electrical Air Bag System Components listed:

- Occupant Restraint Controller (ORC)
- Air Bag Warning Light
- Steering Wheel and Column
- Instrument Panel
- Knee Impact Bolsters
- Driver and Front Passenger Air Bags
- Seat Belt Buckle Switch
- Supplemental Side Air Bags
- Supplemental Knee Air Bags
- Front and Side Impact Sensors
- Seat Belt Pretensioners
- Seat Track Position Sensors
- Occupant Classification System

If A Deployment Occurs

The front air bags are designed to deflate immediately after deployment.

NOTE:

Front and/or side air bags will not deploy in all collisions. This does not mean something is wrong with the air bag system.

If you do have a collision which deploys the air bags, any or all of the following may occur:

- The air bag material may sometimes cause abrasions and/or skin reddening to the occupants as the air bags deploy and unfold. The abrasions are similar to friction rope burns or those you might get sliding along a carpet or gymnasium floor. They are not caused by contact with chemicals. They are not permanent and normally heal quickly. However, if you haven't healed significantly within a few days, or if you have any blistering, see your doctor immediately.
- As the air bags deflate, you may see some smoke-like particles. The particles are a normal by-product of the process that generates the non-toxic gas used for air bag inflation. These airborne particles may irritate the skin, eyes, nose, or throat. If you have skin or eye irritation, rinse the area with cool water. For nose or throat irritation, move to fresh air. If the irritation continues, see your doctor. If these particles settle on your clothing, follow the garment manufacturer's instructions for cleaning.

Do not drive your vehicle after the air bags have deployed. If you are involved in another collision, the air bags will not be in place to protect you.

WARNING!
Deployed air bags and seat belt pretensioners cannot protect you in another collision. Have the air bags, seat belt pretensioners, and the seat belt retractor assemblies replaced by an authorized dealer immediately. Also, have the Occupant Restraint Controller System serviced as well.

NOTE:

- Air bag covers may not be obvious in the interior trim, but they will open during air bag deployment.
- After any collision, the vehicle should be taken to an authorized dealer immediately.

Enhanced Accident Response System

In the event of an impact, if the communication network remains intact, and the power remains intact, depending on the nature of the event, the Occupant Restraint Controller (ORC) will determine whether to

have the Enhanced Accident Response System perform the following functions:

- Cut off fuel to the engine
- Flash hazard lights as long as the battery has power
- Turn on the interior lights, which remain on as long as the battery has power or for 15 minutes from the intervention of the Enhanced Accident Response System
- Unlock the power door locks

Your vehicle may also be designed to perform any of these other functions in response to the Enhanced Accident Response System:

- Turn off the Fuel Filter Heater, Turn off the HVAC Blower Motor, Close the HVAC Circulation Door
- Cut off battery power to the:
  - Engine
  - Electric power steering
  - Brake booster
  - Electric park brake
  - Automatic transmission gear selector
  - Horn
  - Front wiper

NOTE:

After an accident, remember to cycle the vehicle to the STOP (OFF/LOCK) position to avoid draining the battery. Carefully check the vehicle for fluid leaks in the engine compartment and on the ground near the engine compartment before resetting the system and starting the vehicle. If there are no fluid leaks or damage to the vehicle electrical devices (e.g. headlights) after an accident, reset the system by following the procedure described here. If you have any doubt, contact an authorized dealer.

Enhanced Accident Response System Reset Procedure

In order to reset the Enhanced Accident Response System functions after an event, the start button must be changed from START or ON/RUN to OFF. Carefully check the vehicle for fuel leaks in the engine compartment and on the ground near the engine compartment before resetting the system and starting the vehicle.

After an accident, if the vehicle will not start after performing the reset procedure, the vehicle must be towed to an authorized dealer to be inspected and to have the Enhanced Accident Response System reset.

Maintaining Your Air Bag System

WARNING!

- Modifications to any part of the air bag system could cause it to fail when you need it. You could be injured if the air bag system is not there to protect you. Do not modify the components or wiring, including adding any kind of badges or stickers to the steering wheel hub trim cover or the upper passenger side of the instrument panel. Do not modify the front fascia/bumper, vehicle body

(Continued)

WARNING!

(Continued)

structure, or add aftermarket side steps or running boards.

- It is dangerous to try to repair any part of the air bag system yourself. Be sure to tell anyone who works on your vehicle that it has an air bag system.
- Do not attempt to modify any part of your air bag system. The air bag may inflate accidentally or may not function properly if modifications are made. Take your vehicle to an authorized dealer for any air bag system service. If your seat, including your trim cover and cushion, needs to be serviced in any way (including removal or loosening/tightening of seat attachment bolts), take the vehicle to an authorized dealer. Only manufacturer approved seat accessories may be used. If it is necessary to modify the air bag system for persons with disabilities, contact an authorized dealer.

Event Data Recorder (EDR)

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

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

These data can help provide a better understanding of the circumstances in which crashes and injuries occur.

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

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

CHILD RESTRAINTS

Everyone in your vehicle needs to be buckled up at all times, including babies and children. Every state in the United States, and every Canadian province, requires that small children ride in proper restraint systems. This is the law, and you can be prosecuted for ignoring it.

Children 12 years or younger should ride properly buckled up in a rear seat, if available. According to crash statistics, children are safer when properly restrained in the rear seats rather than in the front.

WARNING!
In a collision, an unrestrained child can become a projectile inside the vehicle. The force required to hold even an infant on your lap could become so great that you could not hold the child, no matter how strong you are. The child and others could be badly injured or killed. Any child riding in your vehicle should be in a proper restraint for the child's size.

There are different sizes and types of restraints for children from newborn size to the child almost large enough for an adult safety belt. Always check the child seat Owner's Manual to make sure you have the correct seat for your child. Carefully read and follow all the instructions and warnings in the child restraint Owner's Manual and on all the labels attached to the child restraint.

Before buying any restraint system, make sure that it has a label certifying that it meets all applicable Safety Standards. You should also make sure that you can install it in the vehicle where you will use it.

NOTE:
- For additional information, refer to http://www.nhtsa.gov/parents-and-caregivers or call: 1-888-327-4236
- Canadian residents should refer to Transport Canada's website for additional information: https://www.tc.gc.ca/en/services/road/child-car-seat-safety.html

Summary Of Recommendations For Restraining Children In Vehicles

	Child Size, Height, Weight Or Age	Recommended Type Of Child Restraint
Infants and Toddlers	Children who are two years old or younger and who have not reached the height or weight limits of their child restraint	Either an Infant Carrier or a Convertible Child Restraint, facing rearward in a rear seat of the vehicle

	Child Size, Height, Weight Or Age	Recommended Type Of Child Restraint
Small Children	Children who are at least two years old or who have outgrown the height or weight limit of their rear-facing child restraint	Forward-Facing Child Restraint with a five-point Harness, facing forward in a rear seat of the vehicle
Larger Children	Children who have outgrown their forward-facing child restraint, but are too small to properly fit the vehicle's seat belt	Belt Positioning Booster Seat and the vehicle seat belt, seated in a rear seat of the vehicle
Children Too Large for Child Restraints	Children 12 years old or younger, who have outgrown the height or weight limit of their booster seat	Vehicle Seat Belt, seated in a rear seat of the vehicle

Infant And Child Restraints

Safety experts recommend that children ride rear-facing in the vehicle until they are two years old or until they reach either the height or weight limit of their rear-facing child restraint. Two types of child restraints can be used rear-facing: infant carriers and convertible child seats.

The infant carrier is only used rear-facing in the vehicle. It is recommended for children from birth until they reach the weight or height limit of the infant carrier. Convertible child seats can be used either rear-facing or forward-facing in the vehicle. Convertible child seats often have a higher weight limit in the rear-facing direction than infant carriers do, so they can be used rear-facing by children who have outgrown their infant carrier but are still less than at least two years old. Children should remain rear-facing until they reach the highest weight or height allowed by their convertible child seat.

WARNING!

- Never place a rear-facing child restraint in front of an air bag. A deploying passenger front air bag can cause death or serious injury to a child 12 years or younger, including a child in a rear-facing child restraint.
- Never install a rear-facing child restraint in the front seat of a vehicle. Only use a rear-facing child restraint in the rear seat. If the vehicle does not have a rear seat, do not transport a rear-facing child restraint in that vehicle.

Older Children And Child Restraints

Children who are two years old or who have outgrown their rear-facing convertible child seat can ride forward-facing in the vehicle. Forward-facing child seats and convertible child seats used in the forward-facing direction are for children who are over two years old or who have outgrown the rear-facing weight or height limit of their rear-facing convertible child seat. Children should remain in a forward-facing child seat with a harness for as long as possible, up to the highest weight or height allowed by the child seat.

All children whose weight or height is above the forward-facing limit for the child seat should use a belt-positioning booster seat until the vehicle's seat belts fit properly. If the child cannot sit with knees bent over the vehicle's seat cushion while the child's back is against the seatback, they should use a belt-positioning booster seat. The child and belt-positioning booster seat are held in the vehicle by the seat belt.

WARNING!

- Improper installation can lead to failure of an infant or child restraint. It could come loose in a collision. The child could be badly injured or killed. Follow the child restraint manufacturer's directions exactly when installing an infant or child restraint.
- After a child restraint is installed in the vehicle, do not move the vehicle seat forward or rearward because it can loosen the child restraint attachments. Remove the child restraint before adjusting the vehicle seat position. When the vehicle seat has been adjusted, reinstall the child restraint.
- When your child restraint is not in use, secure it in the vehicle with the seat belt or LATCH anchorages, or remove it from the vehicle. Do not leave it loose in the vehicle. In a sudden stop or accident, it could strike the occupants or seatbacks and cause serious personal injury.

Children Too Large For Booster Seats

Children who are large enough to wear the shoulder belt comfortably, and whose legs are long enough to bend over the front of the seat when their back is against the seatback, should use the seat belt in a rear seat. Use this simple 5-step test to decide whether the child can use the vehicle's seat belt alone:

1. Can the child sit all the way back against the back of the vehicle seat?
2. Do the child's knees bend comfortably over the front of the vehicle seat while the child is still sitting all the way back?
3. Does the shoulder belt cross the child's shoulder between the neck and arm?
4. Is the lap part of the belt as low as possible, touching the child's thighs and not the stomach?
5. Can the child stay seated like this for the whole trip?

If the answer to any of these questions was "no," then the child still needs to use a booster seat in this vehicle. If the child is using the lap/shoulder belt, check seat belt fit periodically and make sure the seat belt buckle is latched. A child's squirming or slouching can move the belt out of position. If the shoulder belt contacts the face or neck, move the child closer to the center of the vehicle, or use a booster seat to position the seat belt on the child correctly.

WARNING!

Never allow a child to put the shoulder belt under an arm or behind their back. In a crash, the shoulder belt will not protect a child properly, which may result in serious injury or death. A child must always wear both the lap and shoulder portions of the seat belt correctly.

Recommendations For Attaching Child Restraints

Restraint Type	Combined Weight of the Child + Child Restraint	Use Any Attachment Method Shown With An "X" Below			
		LATCH – Lower Anchors Only	Seat Belt Only	LATCH – Lower Anchors + Top Tether Anchor	Seat Belt + Top Tether Anchor
Rear-Facing Child Restraint	Up to 65 lb (29.5 kg)	X	X		

Restraint Type	Combined Weight of the Child + Child Restraint	Use Any Attachment Method Shown With An "X" Below			
		LATCH – Lower Anchors Only	Seat Belt Only	LATCH – Lower Anchors + Top Tether Anchor	Seat Belt + Top Tether Anchor
Rear-Facing Child Restraint	More than 65 lb (29.5 kg)		X		
Forward-Facing Child Restraint	Up to 65 lb (29.5 kg)			X	X
Forward-Facing Child Restraint	More than 65 lb (29.5 kg)				X

Lower Anchors And Tethers For CHildren (LATCH) Restraint System

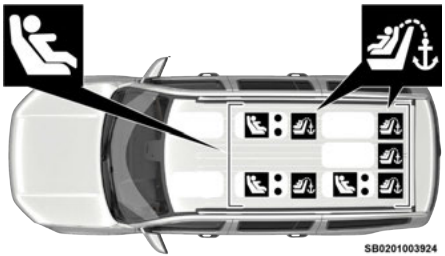


LATCH Label

Your vehicle is equipped with the child restraint anchorage system called LATCH, which stands for Lower Anchors and Tethers for CHildren. The LATCH system has three vehicle anchor points for installing LATCH-equipped child seats. There are two lower anchorages located at the back of the seat cushion where it meets the seatback and one top tether anchorage located behind the seating position. These anchorages are used to install LATCH-equipped child seats without using the vehicle's seat belts. Some seating positions may have a top tether anchorage but no lower anchorages. In these seating positions, the seat belt must be used with the top tether anchorage to install the child restraint. Please see the following table for more information.

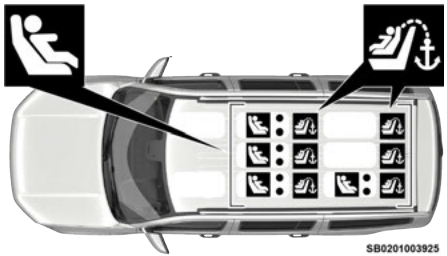
LATCH Positions For Installing Child Restraints In This Vehicle

Lower Anchorage Symbol (2 Anchorages Per Seating Position)
Top Tether Anchorage Symbol



Seven Passenger (Captain's Chairs Second Row) LATCH Positions

Lower Anchorage Symbol (2 Anchorages Per Seating Position)
Top Tether Anchorage Symbol



Eight Passenger (Second Row Bench) LATCH Positions

Lower Anchorage Symbol (2 Anchorages Per Seating Position)
Top Tether Anchorage Symbol

Frequently Asked Questions About Installing Child Restraints With LATCH		
What is the weight limit (child's weight + weight of the child restraint) for using the LATCH anchorage system to attach the child restraint?	65 lb (29.5 kg)	Use the LATCH anchorage system until the combined weight of the child and the child restraint is 65 lb (29.5 kg). Use the seat belt and tether anchor instead of the LATCH system once the combined weight is more than 65 lb (29.5 kg).
Can the LATCH anchorages and the seat belt be used together to attach a rear-facing or forward-facing child restraint?	No	Do not use the seat belt when you use the LATCH anchorage system to attach a rear-facing or forward-facing child restraint. Booster seats may be attached to the LATCH anchorages if allowed by the booster seat manufacturer. See your booster seat owner's manual for more information.

Frequently Asked Questions About Installing Child Restraints With LATCH		
Can two child restraints be attached using a common lower LATCH anchorage?	No	Never “share” a LATCH anchorage with two or more child restraints. If the center position does not have dedicated LATCH lower anchorages, use the seat belt to install a child seat in the center position next to a child seat using the LATCH anchorages in an outboard position.
Can the rear-facing child restraint touch the back of the front passenger seat?	Yes	The child seat may touch the back of the front passenger seat if the child restraint manufacturer also allows contact. See your child restraint owner’s manual for more information.
Can the rear head restraints be removed?	No	

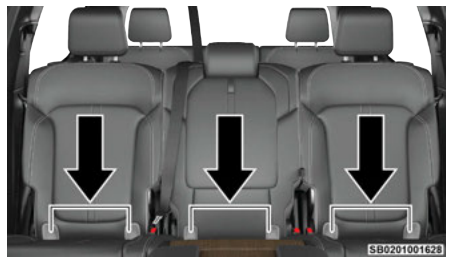
Locating The LATCH Anchorages



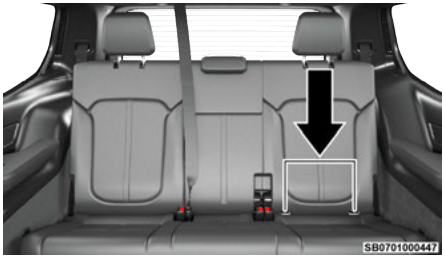
The lower anchorages are round bars that are found at the rear of the seat cushion where it meets the seatback, below the anchorage symbols on the seatback. They are just visible when you lean into the rear seat to install the child restraint. You will easily feel them if you run your finger along the gap between the seatback and seat cushion.



Second Row LATCH Positions (Seven Passenger)



Second Row LATCH Positions (Eight Passenger)



Third Row LATCH Position
(Seven And Eight Passenger)

Locating The Upper Tether Anchorages

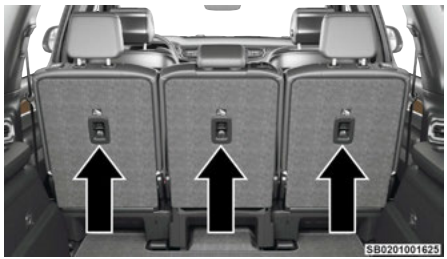


There are tether strap anchorages behind each rear seating position located on the back of the seat.

Seven And Eight Passenger Vehicles: Second Row Upper Tether Anchorage Locations

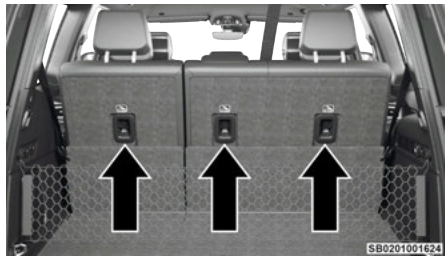


Seven Passenger Top
Tether Anchorages (Captain's Chairs)



Eight Passenger Top Tether
Strap Mounting (Second Row Bench)

Seven And Eight Passenger Vehicles: Third Row Upper Tether Anchorage Locations



Tether Anchorages (Third Row Bench)

LATCH-compatible child restraint systems will be equipped with a rigid bar or a flexible strap on each side. Each will have a hook or connector to attach to the lower anchorage and a way to tighten the connection to the anchorage. Forward-facing child restraints and some rear-facing child restraints will also be equipped with a tether strap. The tether strap will have a hook at the end to attach to the top tether anchorage and a way to tighten the strap after it is attached to the anchorage.

Center Seat LATCH

Seven Passenger And Eight Passenger Third Row Seating:

WARNING!

- Do not install a child restraint in the center position using the LATCH system. This position is not approved for installing child seats using the LATCH attachments. You must use the seat belt and tether anchor to install a child seat in the center seating position.
- Never use the same lower anchorage to attach more than one child restraint. See ⇨ page 66 for typical installation instructions.

Eight Passenger Second Row Seating:

If a child restraint installed in the center position blocks the seat belt webbing or buckle for the outboard position, do not use that outboard position. If a child seat in the center position blocks the outboard LATCH anchors or seat belt, do not install a child seat in that outboard position.

WARNING!

Never use the same lower anchorage to attach more than one child restraint. For typical installation instructions, see ⇨ page 66.

Always follow the directions of the child restraint manufacturer when installing your child restraint. Not all child restraint systems will be installed as described here.

To Install A LATCH-Compatible Child Restraint

If the selected seating position has a Switchable Automatic Locking Retractor (ALR) seat belt, stow the seat belt, following the instructions provided. See ⇨ page 67 to check what type of seat belt each seating position has.

1. Loosen the adjusters on the lower straps and on the tether strap of the child seat so that you can more easily attach the hooks or connectors to the vehicle anchorages.
2. Place the child seat between the lower anchorages for that seating position. For the second row seats, and third row left outboard seat, move the seat back rearward to the fourth locking position from full upright to attach the seat to the lower LATCH anchorages.
3. Attach the lower hooks or connectors of the child restraint to the lower anchorages in the selected seating position. Adjust the seat back forward to the most vertical locking position. If the rear seat can be moved forward and rearward, you may wish to move it to its rear-most position to make room for the child seat. You may also move the front seat forward to allow more room for the child seat.
4. If the child restraint has a tether strap, connect it to the top tether anchorage. See ⇨ page 69 for directions to attach a tether anchor.
5. Tighten all of the straps as you push the child restraint rearward and downward into the seat. Remove slack in the straps according to the child restraint manufacturer's instructions.
6. Test that the child restraint is installed tightly by pulling back and forth on the child seat at the belt path. It should not move more than 1 inch (25.4 mm) in any direction.

How To Stow An Unused Switchable-ALR (ALR) Seat Belt:

When using the LATCH attaching system to install a child restraint, stow all ALR seat belts that are not being used by other occupants or being used to secure child restraints. An unused belt could injure a child if they play with it and accidentally lock the seat belt retractor. Before installing a child restraint using the LATCH system, buckle the seat belt behind the child restraint and out of the child's reach. If the buckled seat belt interferes with the child restraint installation, instead of buckling it behind the child restraint, route the seat belt through the child restraint belt path and then buckle it. Do not lock the seat belt. Remind all children in the vehicle that the seat belts are not toys and that they should not play with them.

WARNING!

- Improper installation of a child restraint to the LATCH anchorages can lead to failure of the restraint. The child could be badly injured or killed. Follow the child restraint manufacturer's directions exactly when installing an infant or child restraint.
- Child restraint anchorages are designed to withstand only those loads imposed by correctly-fitted child restraints. Under no circumstances are

(Continued)

WARNING!

they to be used for adult seat belts, harnesses, or for attaching other items or equipment to the vehicle.

Installing Child Restraints Using The Vehicle Seat Belt

Child restraint systems are designed to be secured in vehicle seats by lap belts or the lap belt portion of a lap/shoulder belt.

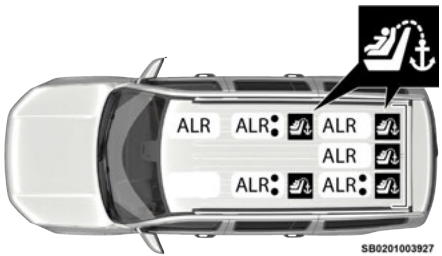
WARNING!

- Improper installation or failure to properly secure a child restraint can lead to failure of the restraint. The child could be badly injured or killed.
- Follow the child restraint manufacturer's directions exactly when installing an infant or child restraint.

The seat belts in the passenger seating positions are equipped with a Switchable Automatic Locking Retractor (ALR) that is designed to keep the lap portion of the seat belt tight around the child restraint so that it is not necessary to use a locking clip. The ALR retractor can be "switched" into a locked mode by pulling all of the webbing out of the retractor and then letting the webbing retract back into the retractor. If it is locked, the ALR will make a clicking noise while the webbing is pulled back into the retractor ⇨ page 48.

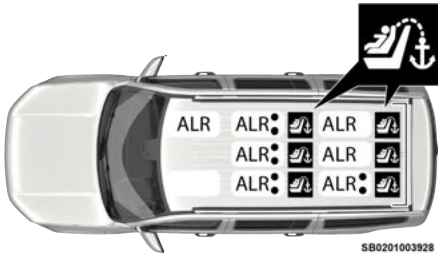
Please see the tables provided and the following sections for more information.

Lap/Shoulder Belt Systems For Installing Child Restraints In This Vehicle



Seven Passenger (Captain's Chairs Second Row) Automatic Locking Retractor (ALR) Locations

ALR — Switchable Automatic Locking Retractor
Top Tether Anchorage Symbol



Eight Passenger (Second Row Bench) Automatic Locking Retractor (ALR) Locations

ALR — Switchable Automatic Locking Retractor
Top Tether Anchorage Symbol

2

Frequently Asked Questions About Installing Child Restraints With Seat Belts		
What is the weight limit (child's weight + weight of the child restraint) for using the Tether Anchor with the seat belt to attach a forward-facing child restraint?	Weight limit of the Child Restraint	Always use the tether anchor when using the seat belt to install a forward-facing child restraint, up to the recommended weight limit of the child restraint.
Can the rear-facing child restraint touch the back of the front passenger seat?	Yes	Contact between the front passenger seat and the child restraint is allowed, if the child restraint manufacturer also allows contact.
Can the rear head restraints be removed?	No	
Can the buckle stalk be twisted to tighten the seat belt against the belt path of the child restraint?	No	Do not twist the buckle stalk in a seating position with an ALR retractor.

Installing A Child Restraint With A Switchable Automatic Locking Retractor (ALR):

Child restraint systems are designed to be secured in vehicle seats by lap belts or the lap belt portion of a lap/shoulder belt.

WARNING!

- Improper installation or failure to properly secure a child restraint can lead to failure of the restraint. The child could be badly injured or killed.
- Follow the child restraint manufacturer's directions exactly when installing an infant or child restraint.

1. Place the child seat in the center of the seating position. If the second row seat can be reclined, you may recline the seat and/or raise the head restraint (if adjustable) to get a better fit. If the rear seat can be moved forward and rearward in the vehicle, you may wish to move it to its rear-most position to make room for the child seat. You may also move the front seat forward to allow more room for the child seat.
2. Pull enough of the seat belt webbing from the retractor to pass it through the belt path of the child restraint. Do not twist the belt webbing in the belt path.
3. Slide the latch plate into the buckle until you hear a "click."
4. Pull on the webbing to make the lap portion tight against the child seat.
5. To lock the seat belt, pull down on the shoulder part of the belt until you have pulled all the seat belt webbing out of the retractor. Then, allow the webbing to retract back into the retractor. As the webbing retracts, you will hear a clicking sound. This means the seat belt is now in the Automatic Locking mode.
6. Try to pull the webbing out of the retractor. If it is locked, you should not be able to pull out any webbing. If the retractor is not locked, repeat step 5.
7. Finally, pull up on any excess webbing to tighten the lap portion around the child restraint while you push the child restraint rearward and downward into the vehicle seat.
8. If the child restraint has a top tether strap and the seating position has a top tether anchorage, connect the tether strap to the anchorage and

tighten the tether strap. See ⇨ page 69 for directions to attach a tether anchor.

9. Test that the child restraint is installed tightly by pulling back and forth on the child seat at the belt path. It should not move more than 1 inch (25.4 mm) in any direction.

Any seat belt system will loosen with time, so check the belt occasionally, and pull it tight if necessary.

Installing Child Restraints Using The Top Tether Anchorage

WARNING!

Do not attach a tether strap for a rear-facing car seat to any location in front of the car seat, including the seat frame or a tether anchorage. Only attach the tether strap of a rear-facing car seat to the tether anchorage that is approved for that seating position, located behind the top of the vehicle seat. See ⇨ page 62 for the location of approved tether anchorages in your vehicle.



1. Look behind the seating position where you plan to install the child restraint to find the tether anchorage. If the seat can be moved, you may need to move the seat forward to provide better access to the tether anchorage. If there is no top tether anchorage for that seating position, move the child restraint to another position in the vehicle if one is available.
2. Route the tether strap to provide the most direct path for the strap between the anchor and the child seat. If your vehicle is equipped with adjustable rear head restraints, raise the head restraint, and where possible, route the tether strap under the head restraint and between the two posts. If not possible, lower the head restraint and pass the tether strap around the outboard side of the head restraint.
3. Attach the tether strap hook of the child restraint to the top tether anchorage as shown in the diagram.



Second Row Bench Seat Top Tether Strap Mounting (Eight Passenger Seating)



Second Row Captain's Chair Top Tether Strap Mounting (Seven Passenger Seating)



Third Row Seating Top Tether Strap Mounting

4. Remove slack in the tether strap according to the child restraint manufacturer's instructions.

WARNING!

- An incorrectly anchored tether strap could lead to increased head motion and possible injury to the child. Use only the anchorage position directly

(Continued)

WARNING!

behind the child seat to secure a child restraint top tether strap.

- If your vehicle is equipped with a split rear seat, make sure the tether strap does not slip into the opening between the seatbacks as you remove slack in the strap.

STEERING WHEEL AND CONTROLS

Power Tilt/Telescoping Steering Column

Description

The power tilt and telescope controls are located on the left side of the steering column.

Operation

Push the control in the direction you would like the steering column to move.



Power Tilt/Telescoping Steering Control

WARNING!

Do not adjust the steering column while driving. Adjusting the steering column while driving or driving with the steering column unlocked, could cause the driver to lose control of the vehicle. Failure to follow this warning may result in serious injury or death.

Heated Steering Wheel

Description

The heated steering wheel control is located within the Uconnect system or on the instrument panel.

Operation

Press the heated steering wheel control to switch between heat settings and to turn the feature off. The heated steering wheel may not turn on when it is already warm.

WARNING!

- Persons who are unable to feel pain to the skin because of advanced age, chronic illness, diabetes, spinal cord injury, medication, alcohol use, exhaustion, or other physical conditions must exercise care when using the steering wheel heater. It may cause burns even at low temperatures, especially if used for long periods.
- Do not place anything on the steering wheel that insulates against heat, such as a blanket or steering wheel covers of any type and material. This may cause the steering wheel heater to overheat.

Power Steering

Description

The electric power steering system will provide increased vehicle response and ease of maneuverability. The electric power steering system adapts to different driving conditions.

NOTE:

Alternate electric power steering efforts can be selected through the Uconnect System ⇨ page 123.

If the Electric Power Steering warning icon is displayed and the “SERVICE POWER STEERING” or the “POWER STEERING ASSIST OFF – SERVICE SYSTEM” message is displayed within the instrument cluster display, this indicates the vehicle needs to be taken to an authorized dealer for service ⇨ page 106.

WARNING!
Continued operation with reduced assist could pose a safety risk to yourself and others. Service should be obtained as soon as possible.

NOTE:

- Even if the power steering assistance is no longer operational, it is still possible to steer the vehicle. Under these conditions there will be a substantial increase in steering effort, especially at low speeds and during parking maneuvers.
- If the condition persists, see an authorized dealer for service.

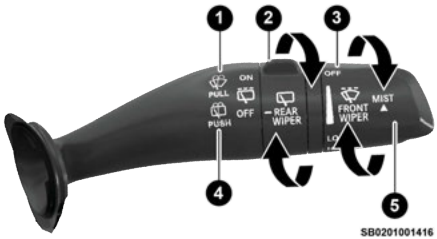
If the Steering icon is displayed and the "POWER STEERING SYSTEM OVER TEMP" message is displayed on the instrument cluster screen, they indicate that extreme steering maneuvers may have occurred which caused an over temperature condition in the electric power steering system. Once driving conditions are safe, pull over and let the vehicle idle for a few moments until the icon and message turn off.

WIPERS AND WASHERS

Description

The wiper and washer controls are on a lever on the right side of the steering column.

Operation



Wiper and Washer Controls

1. **Front Washer**

   Pull and hold the lever to activate the washer. Release the lever and the wipers will activate to clean the windshield.

2. **Rear Wiper**

   Rotate the control to the first position for intermittent mode and to the second position for continuous mode.

3. **Front Wiper**

   Rotate the control to activate intermittent mode, continuous low speed, or continuous high speed wipers.

4. **Rear Washer**

   Push the lever to activate the washer. The wipers will activate to clean the rear window.

5. **Mist Function**

   Push the lever up and release to wipe the windshield once.

NOTE:

Clear excessive and heavy snow and ice from the windshield and cowl before using the wipers.

WARNING!
Sudden loss of visibility through the windshield could lead to a collision. You might not see other vehicles or other obstacles. To avoid sudden icing of the windshield during freezing weather, warm the windshield with the defroster before and during windshield washer use.

CAUTION!
Always remove any buildup of snow that prevents the windshield wiper blades from returning to the parked position. If the windshield wiper switch is turned off, and the blades cannot return to the parked position, damage to the wiper motor may occur.

Additional Features

Rain Sensing Wipers — If Equipped

The rain sensing wipers activate automatically when the system senses rain or snow on the windshield while the vehicle is moving. Rotate the front wiper control to the desired intermittent position to switch the system on. You can enable and disable the system through the Uconnect settings.

NOTE:

- The system will not activate at ambient temperatures below 32°F (0°C).
- The system may not function properly when ice or dried saltwater is on the windshield.
- Use of products containing wax or silicone may reduce system performance.

Front and Rear Camera Washers — If Equipped

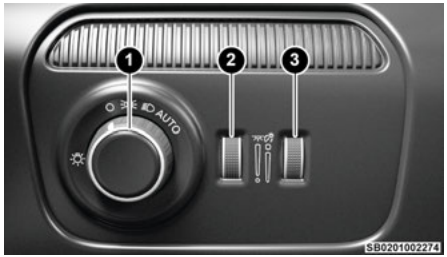
Activating the font or rear washer will also activate the front or rear camera washers.

EXTERIOR LIGHTS

Headlight Switch

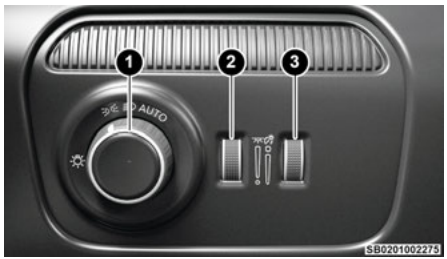
Description

The headlight switch is located to the left of the steering wheel.



Headlight Switch

1 — Headlight Control
2 — Ambient Light Dimmer Control
3 — Instrument Panel Dimmer Control



Headlight Switch (Vehicles Sold In Canada Only)

1 — Headlight Control
2 — Ambient Light Dimmer Control
3 — Instrument Panel Dimmer Control

NOTE:

Vehicles sold in Canada are equipped with a headlight switch with an AUTO and ON detent but without an OFF detent. Headlights will be deactivated when the headlight switch is placed in the parking lights position. However, the Daytime Running Lights (DRLs) will be activated along with the front and rear marker lights. The DRLs may be deactivated when the parking brake is engaged.

Operation

TURNING THE HEADLIGHTS ON

To turn on the headlights, rotate the headlight switch clockwise. The parking lights, taillights, license plate light and instrument panel lights are also turned on.

For vehicles sold in Canada, rotate the headlight switch clockwise from the parking lights and instrument panel lights position to the AUTO position. The parking lights, taillights, license plate light and instrument panel lights are also turned on.

TURNING THE PARKING AND INSTRUMENT PANEL LIGHTS ON

To turn on the parking lights and instrument panel lights, rotate the headlight switch clockwise. To turn off the parking lights, rotate the headlight switch back to the O (off) position.

TURNING THE AUTOMATIC HEADLIGHTS ON

Rotate the headlight switch to the AUTO position. The head lights will automatically turn on when the vehicle is running. When the vehicle is turned off, the head lights will automatically turn off after a short time.

TURNING THE DAYTIME RUNNING LIGHTS (DRLS) ON

The Daytime Running Lights (DRLs) turn on whenever the engine is running and the head lights are not on. The lights will remain on until the vehicle is placed in the OFF or ON position.

NOTE:
If allowed by law in the country in which the vehicle was purchased, the Daytime Running Lights can be turned on and off in the Uconnect settings.

Additional Features

HEADLIGHT DELAY

The headlights will remain on for a short time after turning off and exiting your vehicle. You can change the headlight delay in the Uconnect Settings.

LIGHTS ON REMINDER

A chime will sound when the driver's door is opened if the headlights or parking lights are left on after the vehicle is turned off.

WINDSHIELD WIPER ACTIVATED AUTOMATIC HEADLIGHTS

When your headlights are in the AUTO position and the engine is running, they will automatically turn on when windshield wipers are turned on. You can turn this feature on and off in the Uconnect Settings.

Multifunction Lever

Description

The multifunction lever is located on the left side of the steering column.

Operation

MULTIFUNCTION LEVER CONTROLS



SB0201002196

Multifunction Lever

TURNING THE HIGH BEAMS ON AND OFF

Push the multifunction lever forward to turn the high beams on. Pull the multifunction lever backward to turn the high beams off.

USING THE TURN SIGNALS

Move the multifunction lever up or down to switch the right or left turn signal on. Return the lever to the middle position to switch the turn signal off.

USING THE ONE TOUCH TURN SIGNALS

Tap the multifunction lever up or down without moving it to the up or down position. The turn signal will flash three times.

USING FLASH-TO-PASS

Pull the multifunction lever backwards and release it to flash the high beams.

Approach Lighting

Operation

The exterior lights illuminate when the unlock button is pressed on the keyfob, when you are close to a door or liftgate with a key fob, or when remote start is used. You can change the system settings within the Uconnect settings.

Automatic High Beams — If Equipped

Description

The Automatic High Beam system turns the high beams on and off when it detects light from oncoming or proceeding vehicles.

Operation

The system will turn on when the headlight switch is in the AUTO position, the high beam lever is pushed forward (on position), and the vehicle speed is above 22 mph (35 km/h). You can turn the system on and off in the Uconnect Settings.

NOTE:
Dirt, film, and other obstructions on the windshield or camera lens will reduce system performance.

Signature Light Bar

Description

Signature light bar is above the grille, between the headlamps.

Operation

The Signature Light Bar can be turned on or off through the Uconnect Settings. To change this setting, go to Vehicle Settings > Lights > Signature Lighting.

Battery Saver

Description

The headlights will automatically turn off after 8 minutes if they are on while the vehicle is turned off.

INTERIOR LIGHTS

Front Overhead Lights

Description

The front overhead lights are located in the overhead console.

Operation

FRONT OVERHEAD LIGHTS CONTROLS



Front Overhead Light Controls

1 — Reading Light Buttons
2 — Dome Defeat Button
3 — Ambient Light
4 — Dome On Button

Reading Light Buttons

Press to turn the individual reading lights on.

Dome Defeat Button

Press to turn off all overhead lights.

Ambient Light

Provides a small amount of light for the cabin.

Dome On Button

Press to enable all overhead lights.

Rear Overhead Lights

Description

The rear overhead lights are located above the second and third row seats.

Operation

Press the lens button to turn the lights on and off.

Courtesy Lights

Operation

The interior lights will turn on when the Dome On button is pressed and the front doors are opened or the unlock button is pressed on the key fob. Press the Dome Defeat button to turn the courtesy lights off.

Interior Lighting Dimmer

Description

The dimmer controls are located to the left of the steering wheel.

Operation

INTERIOR LIGHTING DIMMER CONTROLS



Dimmer Controls

1 — Interior Light Dimmer Control
2 — Instrument Panel Dimmer Control



Dimmer Controls (Vehicles Sold In Canada Only)

1 — Interior Light Dimmer Control
2 — Instrument Panel Dimmer Control

Interior Light Dimmer Controls

Rotate this switch to change the brightness of the interior lights.

Instrument Panel Dimmer Control

Rotate this switch to change the brightness of the instrument panel.

Multicolor Ambient Lighting — If Equipped

Operation

The multicolor ambient lighting can be adjusted through the Apps menu or settings in Uconnect. The lighting consists of two zones. The lighting has five color settings. Use the SYNC button to link the settings of each zone together. Use the interior lighting dimmer to change the brightness of the lighting.

- Zone 1:
  - Instrument panel
- Zone 2:
  - Front seat footwell area
  - Below the second row seats
  - Door panel map pockets

Battery Saver

Description

The interior lights will turn off after 10 minutes if the vehicle is turned off and a door is left ajar or if the overhead lights are left on.

ROOF SYSTEMS

Roof Crossbars — If Equipped

Description

The crossbars are used to carry cargo on the top of the vehicle. The load must not exceed 150 lb (68 kg) and should be uniformly distributed over the luggage rack crossbars. The crossbars do not increase the total load carrying capacity of the vehicle. Be sure that the total load of cargo inside the vehicle and on the cross bars does not exceed the maximum vehicle load capacity.

Operation

LOCATING THE CROSSBARS AND TOOLS

The crossbars and tools are located in the cargo area.

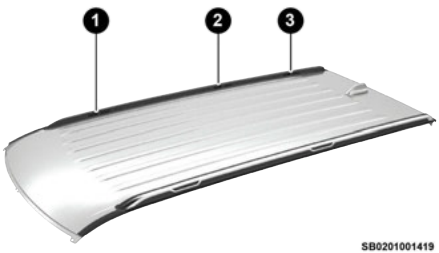


Crossbars and Tools

1 — Fastener Screws
2 — Torx Wrench

INSTALLING THE CROSSBARS

There are three positions that the crossbars can be installed in. There are also tie-down loops next to each crossbar location on both sides of the roof.

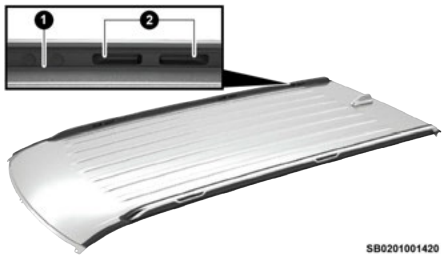


Crossbar Locations

1 — Position 1
2 — Position 2
3 — Position 3

NOTE:

The crossbars should only be used in positions 1 and 2 or positions 1 and 3. They are not designed to be used in positions 2 and 3.



Crossbar and Tie Down Loop Locations

1 — Crossbar Installation Location
2 — Tie-Down Loop Locations



Crossbar Directional Arrow

NOTE:

There are arrows on top of the crossbars that indicate the direction that they should be installed. The arrows should point forward toward the front of the vehicle.

To install the crossbars:

1. Remove the crossbars from the foam blocks.
2. Swivel the outboard stanchion on the crossbar and rotate it 180 degrees around the bolt to the open position. Open the outboard stanchion on the opposite end of the crossbar as well.



Step 2



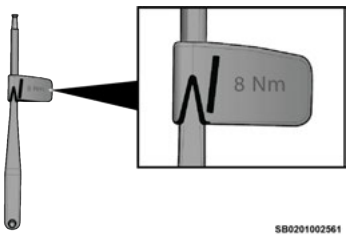
Open Outboard Stanchion (Underside Shown)

3. Using the provided Torx wrench, loosen the Torx bolts on both ends of the crossbar.



Step 3

4. Using the provided wrench and fasteners, bolt the fasteners to the side rail.



Torque Wrench Indicator

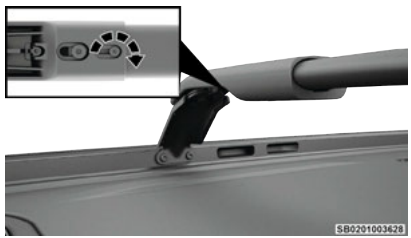
NOTE:

An indicator on the wrench will show when the fastener is tightened to the indicated torque specification. The slanted line will line up with the arrow when torquing.



Step 4

5. Tighten down the Torx head bolts on the inboard stanchion.



Step 5

NOTE:

It is important that the screws are left loose until both sides of the crossbar are secured to the rail.

6. Repeat steps 2-5 for the second crossbar in the desired position.



Installed Crossbars

WARNING!

Cargo must be securely tied down before driving your vehicle. Anything improperly secured to the roof rack, crossbars, or the roof itself can fly off the vehicle, particularly at high speeds, resulting in collisions, personal injury or property damage. Follow the roof rack cautions when carrying anything on your roof or roof rack.

CAUTION!

- Remove the crossbars from the roof rack before entering an automated car wash. Failure to do so may result in damage to the crossbars, roof rack, or vehicle roof.
- To prevent damage to the roof of your vehicle, DO NOT carry any loads on the roof rack without the crossbars installed. The load should be secured and placed on top of the crossbars, not directly

(Continued)

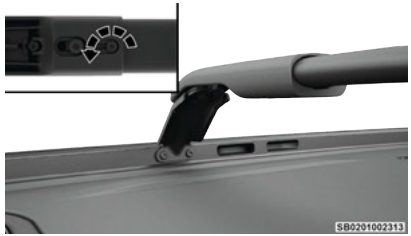
CAUTION!

on the roof. If it is necessary to place the load on the roof, place a blanket or other protective layer between the load and the roof surface.

- To avoid damage to the roof rack and vehicle, do not exceed the maximum roof rack load capacity of 150 lb (68 kg). Always distribute heavy loads as evenly as possible and appropriately secure the load and any protective layer placed between the load and the roof surface.
- Load should always be secured to crossbars first, with tie down loops used as additional securing points if needed. Tie loops are intended as supplementary tie down points only. Do not use ratcheting mechanisms with the tie loops. Check the straps and thumb wheels frequently to be sure that the load remains securely attached.
- Long loads that extend over the windshield, such as wood panels or surfboards, or loads with large frontal area should be secured to both the front and rear of the vehicle.
- Travel at reduced speeds and turn corners carefully when carrying large or heavy loads on the roof rack. Wind forces, due to natural causes or nearby truck traffic, can add sudden upward lift to a load. This is especially true on large flat loads and may result in damage to the cargo or your vehicle.

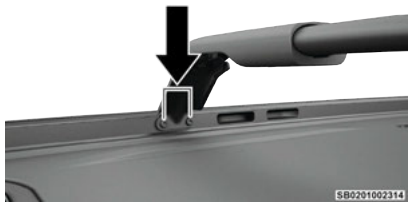
REMOVING THE CROSSBARS

1. Using the provided Torx wrench, loosen the Torx head bolts on the stanchion. Do this on both ends of the crossbar.



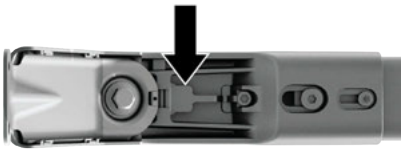
Step 1

2. Using the provided wrench, remove the bolts that secure the crossbar to the roof rail. Repeat this on the other end of the crossbar.



Step 2

3. Depress the swing key, and swivel the outboard stanchion 180 degrees back to the stowed position.



SB0201002322

Depress The Swing Key



SB0201002309

Step 3

4. Repeat steps 1-3 for the second crossbar.
5. Place the crossbars back into the foam blocks in the rear cargo storage bin.

WARNING!

In a collision, loose crossbars in the vehicle could cause injury. They could fly around in a sudden stop and strike someone in the vehicle. Do not store the

(Continued)

WARNING!

crossbars on the cargo floor or in the passenger compartment. Store them in the rear cargo bin inside of the foam storage blocks..

Power Sunroof — If Equipped

Tri-Pane Power Sunroof

DESCRIPTION

The sunroof controls are located in the overhead console.

OPERATION

Tri-Pane Power Sunroof Controls



Tri-Pane Power Sunroof Controls

1 — Sunroof Switch
2 — Vent Switch
3 — Sunshade Switch

Opening And Closing The Sunroof

Manual Opening and Closing

Press and hold OPEN on the sunroof switch. The sunroof opens to the comfort stop. Press and hold OPEN again to fully open the sunroof.

Press and hold CLOSE on the sunroof switch. The sunroof fully closes.

Express Opening and Closing

Press and release OPEN on the sunroof switch. The sunroof opens to the comfort stop. Press and release OPEN again to fully open the sunroof.

Press and release CLOSE on the sunroof switch. The sunroof fully closes.

Opening and Closing the Sunroof Vent

Press and release VENT on vent switch. The sunroof opens to the vent position.

Press and release DOWN on the vent switch. The sunroof fully closes.

WARNING!

- Never leave children unattended in a vehicle, or with access to an unlocked vehicle. Never leave the key fob in or near the vehicle, or in a location accessible to children. Do not leave the Keyless Enter 'n Go™ Ignition in the ON/RUN position. Occupants, particularly unattended children, can become entrapped by the power sunroof while operating the power

(Continued)

WARNING!

sunroof switch. Such entrapment may result in serious injury or death.

- In a collision, there is a greater risk of being thrown from a vehicle with an open sunroof. You could also be seriously injured or killed. Always fasten your seat belt properly and make sure all passengers are also properly secured.
- Do not allow small children to operate the sunroof. Never allow your fingers, other body parts, or any object, to project through the sunroof opening. Injury may result.

Opening And Closing The Sunshade

Manual Opening and Closing

Press and hold OPEN on the sunshade switch. The sunshade opens to the comfort stop. Press and hold OPEN again to fully open the sunshade.

Press and hold CLOSE on the sunshade switch. The sunroof closes if it is open and the sunshade fully closes.

Express Opening and Closing

Press and release OPEN on the sunshade switch. The sunshade opens to the comfort stop. Press and release OPEN again to fully open the sunshade.

Press and release CLOSE on the sunshade switch. The sunroof closes if it is open and the sunshade fully closes.

Opening And Closing The Third Row Sunshade

The third row sunroof has a manual sunshade. Pull the sunshade handle forward to close it. Pull the sunshade handle rearward to open it.

Pinch Protection

The sunroof will reverse direction if the system detects an obstruction during express closing. If the system detects an obstruction three times it must be manually closed.

Sunroof Maintenance

Use only a non-abrasive cleaner and a soft cloth to clean the glass panel. Periodically check for and clear out any debris that may have collected in the tracks.

UNIVERSAL GARAGE DOOR OPENER (HOMELINK®) — IF EQUIPPED

Description

HomeLink® replaces up to three hand-held transmitters that operate devices such as garage door openers, motorized gates, lighting, or home security systems. The HomeLink® unit is powered by your vehicle's 12 Volt battery.



HomeLink® Buttons And Indicator Light

- The HomeLink® buttons that are located in the overhead console or sun visor designate the three different HomeLink® channels.
- To operate HomeLink®, push and release any of the programmed HomeLink® buttons. These buttons will activate the devices they are programmed to with each press of the corresponding HomeLink® button.
- The HomeLink® indicator light is located above the center button.

NOTE:
HomeLink® is disabled when the Vehicle Security system is active.

Operation

Before You Begin Programming HomeLink®

For efficient programming and accurate transmission of the Radio Frequency (RF) signal, it is recommended

that a new battery be placed in the hand-held transmitter of the device that is being programmed to the HomeLink® system. Make sure your hand-held transmitter is programmed to activate the device you are trying to program your HomeLink® button to.

Ensure that your vehicle is parked outside of the garage before you begin programming.

It is recommended that you erase all the channels of your HomeLink® before you use it for the first time.

Erasing All The HomeLink® Channels

To erase the channels, follow this procedure:

1. Place the vehicle in the ON/RUN position.
2. Press and hold the outer two HomeLink® buttons (1 and 3) simultaneously for approximately 10 seconds until the indicator lights above the HomeLink® buttons flashes green rapidly, then release both buttons.

NOTE:

Erasing all channels should only be performed when programming HomeLink® for the first time. Do not erase channels when programming additional buttons.

Identifying Whether You Have A Rolling Code Or Non-Rolling Code Device

Before programming a device to one of your HomeLink® buttons, you must determine whether the device has a rolling code or non-rolling code.

Rolling Code Devices

To determine if your device has a rolling code, a good indicator is its manufacturing date. Typically, devices manufactured after 1995 have rolling codes. A device with a rolling code will also have a “LEARN” or “TRAIN” button located where the antenna is attached to the device. The button may not be immediately visible when looking at the device. The name and color of the button may vary slightly by manufacturer.

NOTE:

The “LEARN” or “TRAIN” button is not the button you normally use to operate the device.

Non-rolling Code Devices

Most devices manufactured before 1995 will not have a rolling code. These devices will also not have a “LEARN” or “TRAIN” button.

Programming HomeLink® To A Garage Door Opener

To program any of the HomeLink® buttons to activate your garage door opener motor, proceed as follows:

NOTE:

All HomeLink® buttons are programmed using this procedure. You do not need to erase all channels when programming additional buttons.

1. Place the ignition switch in the ON/RUN position.
2. Place the garage door opener transmitter 1 to 3 inches (3 to 8 cm) away from the HomeLink® button you wish to program, while keeping the HomeLink® indicator light in view. Press and release the HomeLink® button you wish to program.
3. Press and hold the button on the hand-held transmitter when the HomeLink® LED begins flashing orange slowly.
4. Once the LED changes from slow flashing orange to rapid flashing green, release the button for 3 seconds. Repeat this sequence slowly up to three times to complete the programming.
   - If the LED indicator is solid green, the programming is complete and the device should operate when the HomeLink® button is pressed and released.
   - If the LED indicator flashes green rapidly and the device operates when the HomeLink® button is pressed and released, the programming is complete.
   - If the LED flashes green rapidly but the device does not operate, continue to the next steps to complete the rolling code synchronization.

NOTE:

Make sure the garage door opener motor is plugged in before moving on to the rolling code final steps.

Rolling Code Garage Door Opener Final Steps

NOTE:

Make sure the garage door opener motor is plugged in before moving on to the rolling code final steps.

1. At the garage door opener motor (in the garage), locate the "Learn", "Program", "Smart", or "Train" button. This can usually be found where the hanging antenna wire is attached to the garage door opener motor. Firmly push and release the "Learn", "Program", "Smart", or "Train" button.

2. Return to the vehicle and push the programmed HomeLink® button three times (holding the button for three seconds each time). If the garage door opener motor operates, programming is complete.
3. Return to the vehicle. Press and hold the Homelink® button for 3 seconds, the release for 3 seconds. Repeat this sequence slowly up to three times to complete the programming.

WARNING!

- Your motorized door or gate will open and close while you are programming the universal transmitter. Do not program the transmitter if people or pets are in the path of the door or gate.
- Do not run your vehicle in a closed garage or confined area while programming the transmitter. Exhaust gas from your vehicle contains carbon monoxide which is odorless and colorless. Carbon monoxide is poisonous when inhaled and can cause you and others to be severely injured or killed.

Programming HomeLink® To A Miscellaneous Device

The procedure on how to program HomeLink® to a miscellaneous device follows the same procedure as programming to a garage door opener ⇨ page 81. Be sure to determine if the device has a rolling code or non-rolling code before beginning the programming process.

NOTE:

Canadian Radio Frequency (RF) laws require transmitter signals to time-out (or quit) after several seconds of transmission, which may not be long enough for HomeLink® to pick up the signal during programming. Similar to this Canadian law, some U.S. gate operators are designed to time-out in the same manner. The procedure may need to be performed multiple times to successfully pair the device to your HomeLink® buttons.

Reprogramming A Single HomeLink® Button

To reprogram a single HomeLink® button that has been previously trained, without erasing all the channels, proceed as follows. Be sure to determine whether the new device you want to program the HomeLink® button to has a rolling code, or non-rolling code.

1. Place the ignition in the ON/RUN position, without starting the engine.
2. Push and hold the desired HomeLink® button until the HomeLink® indicator light begins to flash after 20 seconds. **Do not release the button.**
3. **Without releasing the button**, proceed with Step 2 in "Programming HomeLink® To A Garage Door Opener" and follow all remaining steps.

Canadian/Gate Operator Programming

For programming transmitters in Canada/United States that require the transmitter signals to "time-out" after several seconds of transmission:

Canadian Radio Frequency (RF) laws require transmitter signals to time-out (or quit) after several seconds of transmission, which may not be long enough for HomeLink® to pick up the signal during programming. Similar to this Canadian law, some U.S. gate operators are designed to time-out in the same manner.

It may be helpful to unplug the device during the cycling process to prevent possible overheating of the garage door or gate motor.

1. Place the ignition in the ON/RUN position.

   NOTE:

   For vehicles equipped with Keyless Enter 'n Go™, place the ignition in the RUN position. Make sure while programming HomeLink® with the engine on that your vehicle is outside of your garage, or that the garage door remains open at all times.
2. Place the hand-held transmitter 1 to 3 inches (3 to 8 cm) away from the HomeLink® button you wish to program while keeping the HomeLink® indicator light in view.
3. Continue to push and hold the HomeLink® button while you push and release (cycle) your hand-held transmitter every two seconds until HomeLink® has successfully accepted the frequency signal. The indicator light will flash slowly and then rapidly when fully trained.
4. Watch for the HomeLink® indicator to change flash rates. When it changes, it is programmed. It may take up to 30 seconds or longer in rare cases. The garage door may open and close while you are programming.
5. Push and hold the programmed HomeLink® button and observe the indicator light.

NOTE:

- If the indicator light stays on constantly, programming is complete and the garage door/device should activate when the HomeLink® button is pushed.
- To program the two remaining HomeLink® buttons, repeat each step for each remaining button. DO NOT erase the channels.

If you unplugged the garage door opener/device for programming, plug it back in at this time.

Reprogramming A Single HomeLink® Button (Canadian/Gate Operator)

To reprogram a channel that has been previously trained, follow these steps:

1. Place the ignition in the ON/RUN position.
2. Press and hold the desired HomeLink® button until the indicator light begins to flash after 20 seconds. Do not release the button.
3. Without releasing the button, proceed with "Canadian/Gate Operator Programming" Step 2 and follow all remaining steps.

Security

It is advised to erase all channels before you sell or turn in your vehicle.

To do this, push and hold the two outside buttons for 20 seconds until the indicator flashes. Note that all channels will be erased. Individual channels cannot be erased.

The HomeLink® universal transmitter is disabled when the Vehicle Security system is active.

Troubleshooting Tips

If you are having trouble programming HomeLink®, here are some of the most common solutions:

- Replace the battery in the garage door opener hand-held transmitter.
- Push the "Learn", "Program", "Smart", or "Train" button on the garage door opener to complete the training for a rolling code.
- Did you unplug the device for programming and remember to plug it back in?

If you have any problems, or require assistance, please call toll-free 1-800-355-3515 or visit HomeLink.com for information or assistance.

WARNING!

- Vehicle exhaust contains carbon monoxide, a dangerous gas. Do not run your vehicle in the garage while programming the transmitter. Exhaust gas can cause serious injury or death.
- Your motorized door or gate will open and close while you are programming the universal transmitter. Do not program the transmitter if people, pets or other objects are in the path of the door or gate. Only use this transmitter with a garage door opener that has a "stop and reverse" feature as required by Federal safety standards. This includes most garage door opener models manufactured after 1982. Do not use a garage door opener without these safety features.

INTERIOR STORAGE AND FEATURES

Passenger Compartment Storage

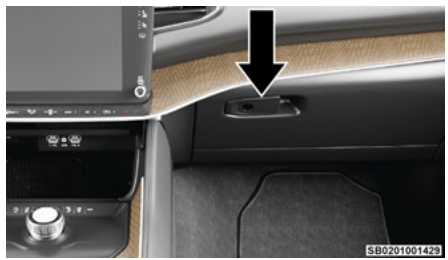
Glove Compartment

DESCRIPTION

The glove compartment is located on the passenger side of the instrument panel.

OPERATION

Opening The Glove Box



Glove Compartment Release Handle

Pull the release handle to open the glove box.

Locking And Unlocking The Glove Box

The glove box can be locked and unlocked using the emergency key inside the key fob. The lock is located on the release handle.

Front Center Console Storage

DESCRIPTION

The front center console storage is located in the arm rest and contains an upper and lower area.

OPERATION

To open the lower storage compartment, push the release button and lift up.



Lower Storage Compartment Release Button

To open the upper storage compartment, pull the sliding tab backwards to slide the door open.



Upper Storage Compartment Sliding Tab

Second Row Center Console — If Equipped

DESCRIPTION

The second row center console storage is located in the arm rest and contains an upper and lower area.

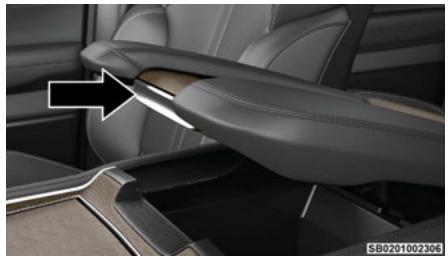
OPERATION

To open the upper storage compartment, pull the sliding tab rearward to slide the compartment door open.



Upper Storage Sliding Tab

To open the lower storage compartment, pull the release handle and lift upward.



Lower Storage Release Handle

CAUTION!
Remove any items stored in the console cupholders or devices with cords routing through upper storage

(Continued)

CAUTION!
area. Damage may occur to upper console lid and device cables when upper storage compartment is lifted forward.

Sunglasses Storage Compartment

DESCRIPTION

The sunglasses storage compartment is located in the overhead console.

OPERATION

Press the release to open the sunglasses storage compartment.



Sunglasses Storage Compartment Release

Cooler — If Equipped

DESCRIPTION

The cooler is located in the front arm rest.

OPERATION

1. Open the lower center console storage compartment.
2. Press the cooler button to turn the cooler on and off.



Cooler Button

Center Console Safe — If Equipped

DESCRIPTION

The safe is located in the arm rest.

OPERATION

Safe Controls



Center Console Safe

1 — Emergency Key Unlock
2 — Keypad

Programming A Lock Code

1.  Press and hold the Door Open button for two seconds. The keypad flashes and turns solid pink to indicate it is in programming mode.
2. Enter a 6-digit code on the keypad. The keypad flashes and turns solid red to indicate the code is stored and the safe is ready to lock.

Unlocking The Safe

1. Enter the lock code on the keypad.
2.  Press the Door Open button. The keypad flashes white to indicate the safe is unlocked.

NOTE:
The keypad will flash red if an incorrect lock code is entered. The keypad will be disabled for 30 seconds if the incorrect code is entered ten times in a row.

Locking The Safe

1. Make sure the safe is unlocked and the lid open.
2. Close the safe. The keypad turns red to indicate the safe is locked.

Disabling The Locking Function

1. Enter the lock code.
2.  Press and hold the Door Open button for two seconds. The keypad will flash red and change to pink.
3.  Enter the lock code and press the Door Open button. The keypad flashes white to indicate the locking function is disabled.

The safe will no longer lock when the lid is closed.

Using The Emergency Key Unlock

Use the emergency key unlock to open the safe if you forget your lock code.

1. Remove the emergency key from the key fob.
2. Use the key in the emergency key unlock to open the safe.
3. Press and hold the reset button under the lid for two seconds

The lock code is unprogrammed and the locking function is disabled.

Cargo Area Features

Cargo Area Storage Compartment

OPERATION

Raise the load floor to access the compartment.



Load Floor Handle

Cargo Area Tie-Downs

OPERATION

The cargo-tie downs should be used to safely secure loads when the vehicle is moving. The cargo tie-downs are designed for a maximum load of 300 lb (136 kg) per tie-down.

The load floor is designed for a maximum load of 300 lb (136 kg). Distribute the load uniformly over the load floor.



Cargo Tie-Downs

WARNING!

- Cargo tie-downs are not safe anchors for a child seat tether strap. In a sudden stop or accident, a tie-down could pull loose and allow the child seat to come loose. A child could be badly injured. Use only the anchors provided for child seat tethers.
- To help protect against personal injury, passengers should not be seated in the rear cargo area. The rear cargo space is intended for load carrying purposes only, not for passengers, who should sit in seats and use seat belts.

The weight and position of cargo and passengers can change the vehicle center of gravity and vehicle handling. To avoid loss of control resulting in personal injury, follow these guidelines for loading your vehicle:

- Do not carry loads that exceed the load limits described on the label attached to the left door or left door center pillar.

(Continued)

WARNING!

- Always place cargo evenly on the cargo floor. Put heavier objects as low and as far forward as possible.
- Place as much cargo as possible in front of the rear axle. Too much weight or improperly placed weight over or behind the rear axle can cause the vehicle to sway.
- Do not pile luggage or cargo higher than the top of the seatback. This could impair visibility or become a dangerous projectile in a sudden stop or accident.

Foldable Cargo Area Cover — If Equipped

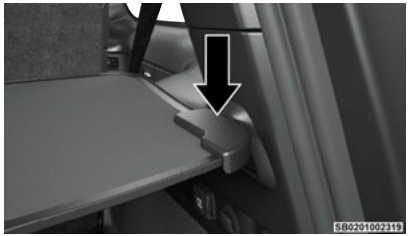
DESCRIPTION

The foldable cargo area cover can be used to obscure items in the cargo area from view.

OPERATION

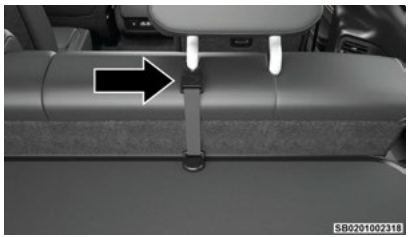
Installing The Foldable Cargo Area Cover

1. Remove the folded cover from the storage pouch, and unfold using a twisting motion.
2. Insert the pins on the ends of the cover into the slots on each side of the pillar trim.



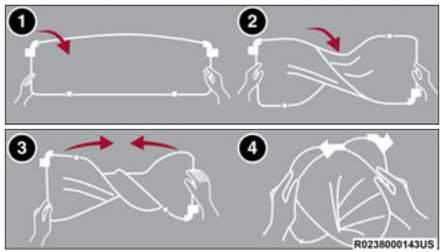
Step 2

3. Hook the straps to the inside post of the rear head restraint on each side.



Step 3

Storing The Foldable Cargo Area Cover



Folding The Cargo Cover

1. Remove the cover from the vehicle.
2. Twist the cover.
3. Push the twisted cover inward.
4. Place the cover in the storage pouch.

WARNING!

In a collision, a loose cargo cover in the vehicle could cause injury. It could fly around in a sudden stop and strike someone in the vehicle. Do not store the cargo cover on the cargo floor or in the passenger compartment. Remove the cover from the vehicle when taken from its mounting. Do not store it in the vehicle.

Retractable Cargo Area Cover — If Equipped

DESCRIPTION

The retractable cargo area cover can be used to obscure items in the cargo area from view.

OPERATION

1. Grab the cover at the center handle and pull over the cargo area.
2. Insert the pins on the ends of the cover into the slots in the pillar trim cover.

WARNING!

In a collision, a loose cargo cover in the vehicle could cause injury. It could fly around in a sudden stop and strike someone in the vehicle. Do not store the cargo cover on the cargo floor or in the passenger compartment. Remove the cover from the vehicle when taken from its mounting. Do not store it in the vehicle.

Cargo Net — If Equipped

OPERATION

Attach the cargo net to the upper and lower hooks on each rear quarter trim panel.

USB/AUX Control

Description

The vehicle is equipped with media ports that can be used to interact with the Uconnect system and charge external devices.

If the connected device has Android Auto™ or Apple CarPlay® it will launch once plugged into a USB port. For more information on wireless Android Auto™ or Apple CarPlay®, refer to the Uconnect Radio Instruction Manual.

Front Locations

In the instrument panel, there are two media USB C ports, two media USB A ports, and an AUX port.

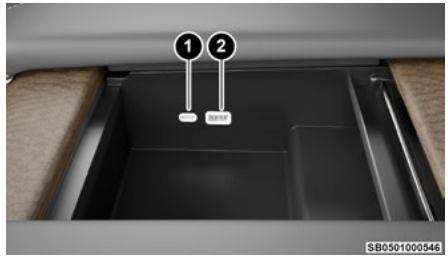
The USB ports in the front media hub are used to charge a device or to transfer data to the Uconnect System.



Front Media Hub USB/AUX Ports

1 — USB C Port
2 — USB A Port
3 — AUX Port

If equipped, two charge-only USB ports are located inside the center compartment.



Center Compartment USB Charge-Only Ports

1 — USB C Port
2 — USB A Port

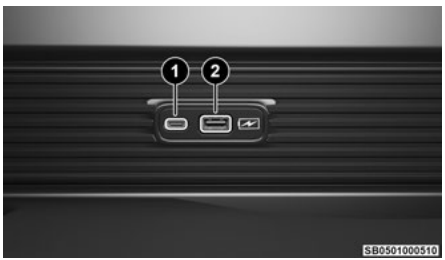
Rear Locations

If equipped, the four, second row USB ports and two, third row USB ports can be used to charge a device.



Rear Center Console USB Ports

1 — Type C Mini USB Ports (Charge Only)
2 — Type A Standard USB Ports (Charge Only)



Third Row USB Ports

1 — Type C USB Port (Charge Only)
2 — Type A USB Port (Charge Only)

CAUTION!

Only use UL Certified USB charging cables, damaged or defective USB cables can cause electrical damage to the USB port.

Operation

CONNECTING TO AUX OR USB PORTS

Connect a device to the vehicle with the USB Ports with a compatible cable or by AUX port with an auxiliary cable.

Once connected to a USB port, the device will begin charging and can be used with the system. Type C and Type A charge-only USB ports can simultaneously charge devices. Only one media USB port can be used at a time. When both Type C and Type A charge-only USB ports are in use, devices will charge slower.

For further information, refer to the Uconnect Radio Instruction Manual.

USB PORT CAPABILITIES

A device connected to a media USB port can:

- Play audio over the vehicle sound system and provides the artist, track title, and album information on the radio display. Depending on track configuration, track information may not be available.
- The Uconnect System can be used to interact with the attached device to play and browse device content.
- Charge the device battery.

NOTE:

- If the device's battery completely discharges, it may not connect to the Uconnect system until a minimum charge is attained. Charging via the vehicle USB ports may bring it to the required level.
- If an unsupported device is plugged into a media USB port, a message will display that the device is not supported. The USB port can still be used to charge the device.

AUX PORT CAPABILITIES

A device connected via the AUX port can play Audio on the vehicle's sound system.

NOTE:
When using the AUX port, a device cannot be controlled using the Uconnect system. The device will not charge. The Uconnect system will not display information related to the artist, track title, and album information.

Limitations

All USB ports can charge a connected device. Only one port can transfer data to the Uconnect system at a time. A pop up to select the desired device will be displayed on the radio screen.

The following messages can display when multiple devices are connected to the USB ports:

- "A new device is now connected. Previous connection was lost."
- "(Phone Name) now connected. Previous connection was lost."
- "Another device is in use through the same USB port. Please disconnect the first device to use the second device."

Plugging in a phone or another device may cause disruptions to the currently connected device.

Electrical Power Outlets

Description

The vehicle is equipped with 12 Volt (13 Amp) power outlets that can be used to power certain electronics, such as cell phones. The power outlets are labeled with either a “key” or a “battery” symbol to indicate how the outlet is powered. Power outlets labeled with a key symbol are powered when the vehicle is running. The outlets labeled with a battery symbol are connected directly to the battery and powered at all times.

The front power outlet is located inside the storage area on the center stack of the instrument panel, below the climate controls.



Front Power Outlet

There is a power outlet located on the rear of the front center console.



Front Center Console Power Outlet

NOTE:

The rear cargo power outlet can be changed to battery powered at all times by switching the fuse in the rear power distribution center (PDC) from fuse location F44A to F44B.

WARNING!

To avoid serious injury or death:

- Only devices designed for use in this type of outlet should be inserted into any 12 Volt outlet.
- Do not touch with wet hands.
- Close the lid when not in use and while driving the vehicle.
- If this outlet is mishandled, it may cause an electric shock and failure.

CAUTION!

- Many accessories that can be plugged in draw power from the vehicle's battery, even when not in use (i.e., cellular phones, etc.). Eventually, if plugged in long enough, the vehicle's battery will discharge sufficiently to degrade battery life and/or prevent the engine from starting.
- Accessories that draw higher power (i.e., coolers, vacuum cleaners, lights, etc.) will degrade the battery even more quickly. Only use these intermittently and with greater caution.
- After the use of high power draw accessories, or long periods of the vehicle not being started (with accessories still plugged in), the vehicle must be driven a sufficient length of time to allow the generator to recharge the vehicle's battery.

Operation

To use the power outlets, pull open the protective cover and plug the desired electrical device into the outlet, using the applicable cable.

Limitations

- Remove all devices connected to the power outlets when the vehicle is off to protect against battery discharge.
- Do not exceed the maximum power of 160 W (13 Amp) at 12 Volt. If 160 W (13 Amp) is exceeded, the fuse protecting the system may need to be replaced.
- Power outlets are designed for accessory plugs only. Do not insert any other object in the power outlets as this will damage the outlet and blow the fuse.

Improper use of the power outlet can cause damage not covered by your New Vehicle Limited Warranty.

Power Inverter

Description

The vehicle may be equipped with a A 115 Volt, 150 W power inverter outlet, which can power cellular phones, electronics, and other low power devices requiring power up to 150 W.

The power inverter is located on the back of the center console



Power Inverter

WARNING!

To avoid serious injury or death:

- Do not insert any objects into the receptacles.
- Do not touch with wet hands.
- Close the lid when not in use.

(Continued)

WARNING!

- If this outlet is mishandled, it may cause an electric shock and failure.

Operation

To use the power inverter, pull open the protective cover and plug the desired electrical device into the outlet.

Limitations

The power inverter has built-in overload protection. If the power rating of 150 W is exceeded, it will automatically shut down. Most video game consoles and power tools exceed this power rating. Check the power rating on electrical devices prior to plugging them into the power inverter.

Once the electrical device has been removed from the outlet, the power inverter will reset.

Wireless Charging Pad — If Equipped

Description

The vehicle may be equipped with a 15W 3A Qi® wireless charging pad located in the instrument panel. This charging pad will wirelessly charge a Qi® enabled mobile phone. Qi® is a standard that allows for wireless charging.



Wireless Charging Pad

CAUTION!

The key fob should not be placed on the charging pad or within 6 inches (15 cm) of it. Doing so can cause excessive heat buildup and damage to the fob. Placing the fob in close proximity of the charging pad blocks the fob from being detected by the vehicle and prevents the vehicle from starting.

To prevent malfunction or burns:

- Do not insert any metallic or magnetic materials (such as Coins, Keys, Metal Cards, Paper Clips) or Key Card between the charging pad and the phone while charging.
- Do not attach metallic or magnetic materials (such as aluminum sticker) to the device side placing the charging area.

Operation

Place the device on the wireless charging mat.

LED INDICATOR STATUS

- No Light: Charging pad is idle or searching for a device, or the device may not be compatible with the Qi® standard.
- Blue Light: Device is detected and is charging.
- Red Light/Flashing: Internal error, or foreign object is detected.
- Green Light: Device has completed battery charging (if device is equipped to transmit this information).

Limitations

Incorrect positioning of the device on the wireless charging pad will prevent it from charging. The device display must be face up and not covering the LED.

The device must be designed for Qi® wireless charging. If the device is not equipped with Qi® wireless charging functionality, an aftermarket sleeve or a specialized back plate can be purchased to give the device this capability. Please see the device's Owner's Manual for further information.

Important Notes Regarding This Vehicle's Wireless Charging Pad:

- The vehicle must be in the ON/RUN position and all doors must be closed in order for the phone to charge.
- Wireless charging is not as fast as when the device is connected to a wired charger.
- Devices must always be placed on the wireless charging pad within the outline shown on the pad. The charging parts must connect with the charging coils of the system. Movement of the device during charging may prevent or slow the rate of charge.
- Having multiple applications open while charging may cause the device to overheat and will reduce the charging rate, and may shut down an application that is actively running (i.e. Android Auto™ or Apple CarPlay®).
- The charging rate may slow down or stop to prevent the device from overheating. If this happens, there may not be a fault with the wireless charging pad. This may just be a protective measure requested by the device to prevent damage.
- Do not place the key fob or any other type of metal/magnetized object in the device case or near the wireless charging pad.
- To protect the device from overheating, the wireless charging pad is equipped with an integrated cooling fan.

Troubleshooting

- The presence of the Near-Field Communication (NFC) function active on a smartphone could signal malfunction anomalies with the wireless charging pad, please visit your device's manual to see if this feature can be turned off.
- To avoid interference with the key fob search, the wireless charging pad will stop charging when any door or the liftgate is opened, even if the engine is running. Close all doors and/or liftgate to resume charging.
- If the device moves on the pad and causes the red light to illuminate, pick up the device and place it back on the charging pad to resume charging.
- Some device protective cases may impact charging. If a device is not charging due to thick or not certified cases, remove the case before placing the device on the wireless charging pad.
- iPhones® equipped with Magsafe® may affect the charging function and may cause higher phone temperature, if the phone temperature becomes to hot the device may shut down. Take the phone off the wireless charging pad and let it cool down before using the wireless charging pad again.
- In the case of using of multiple wireless functions at the same time (wireless charging, Apple CarPlay®, Android Auto™) the device could overheat resulting in limitations or it turning off. If this happens please connect the device via USB port.

LIFTGATE

Power Liftgate

Operation

POWER LIFTGATE CONTROLS



Liftgate Entry

1 — Passive Entry Lock Button
2 — Power Liftgate Release Handle



Power Liftgate Close Button

OPENING THE LIFTGATE USING THE EXTERIOR CONTROLS

1. Make sure the vehicle is in PARK (P).
2. Unlock the liftgate or make sure the key fob is within 5 ft (1.5 m) of the power liftgate controls.
3. Push the power liftgate release handle.

The liftgate opens automatically.

WARNING!

- Driving with the liftgate open can allow poisonous exhaust gases into your vehicle. You and your passengers could be injured by these fumes. Keep the liftgate closed when you are operating the vehicle.
- If you are required to drive with the liftgate open, make sure that all windows are closed, and the climate control blower switch is set at high speed. Do not use the recirculation mode.

WARNING!

During power operation, personal injury or cargo damage may occur. Ensure the liftgate travel path is clear. Make sure the liftgate is closed and latched before driving away.

OPENING THE LIFTGATE USING THE KEY FOB

1. Make sure the vehicle is in PARK (P).
2. Press the power liftgate button on the key fob twice.

The liftgate opens automatically.

WARNING!

- Driving with the liftgate open can allow poisonous exhaust gases into your vehicle. You and your passengers could be injured by these fumes. Keep the liftgate closed when you are operating the vehicle.
- If you are required to drive with the liftgate open, make sure that all windows are closed, and the climate control blower switch is set at high speed. Do not use the recirculation mode.

WARNING!

During power operation, personal injury or cargo damage may occur. Ensure the liftgate travel path is clear. Make sure the liftgate is closed and latched before driving away.

MANUALLY OPENING THE POWER LIFTGATE

1. Make sure the vehicle is in PARK (P).
2. Unlock the liftgate or make sure the key fob is within 5 ft (1.5 m) of the power liftgate controls.
3. Push the power liftgate release handle and pull up on the liftgate.

The liftgate opens and you can lift it to the desired height.

WARNING!

- Driving with the liftgate open can allow poisonous exhaust gases into your vehicle. You and your passengers could be injured by these fumes. Keep the liftgate closed when you are operating the vehicle.
- If you are required to drive with the liftgate open, make sure that all windows are closed, and the climate control blower switch is set at high speed. Do not use the recirculation mode.

CLOSING THE POWER LIFTGATE

Using the Liftgate Close Button

Press the liftgate close button on the left side of the cargo area.

Using the Key Fob

Press the power liftgate button twice.

WARNING!

During power operation, personal injury or cargo damage may occur. Ensure the liftgate travel path is clear. Make sure the liftgate is closed and latched before driving away.

Manually Closing the Liftgate

Grab the handle on the liftgate and pull downward.

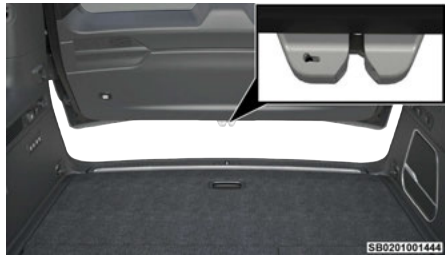
SETTING THE POWER LIFTGATE OPENING HEIGHT

1. Open the liftgate.
2. Make sure the liftgate is fully open by using the handle to raise it.
3. Use the handle to lower the liftgate to the desired height.
4. Push and hold the liftgate close button on the left side of the cargo area for three seconds.

The vehicle chimes to indicate the height setting is saved.

MANUALLY RELEASING THE POWER LIFTGATE LATCH

The power liftgate latch can be released by using the service release if the liftgate does not latch when closed.



Liftgate Service Release

1. Place a 3 mm screwdriver in the liftgate service release.
2. Rotate the screwdriver.

The latch will release. Use the power liftgate controls to close the liftgate. If the liftgate does not close using the controls, you may need to reset the power liftgate functionality by closing it manually.

Limitations

- If anything obstructs the power liftgate and provides sufficient resistance while it is opening or closing, the liftgate will automatically reverse to the previous position.
- There are pinch sensors attached to the side of the liftgate opening. Light pressure anywhere along these sensors will cause the liftgate to return to the open position.
- If the power liftgate encounters multiple obstructions within an attempt to open or close, the liftgate will

automatically stop. If this occurs, the liftgate must be operated manually.

- The power liftgate will release, but not raise, in temperatures below −12°F (−24°C). Be sure to remove any buildup of snow or ice from the liftgate before opening the liftgate.
- If the liftgate is left open for approxiamtely one hour or more, it may need to be manually closed to reset power liftgate functionality.

Hands-Free Liftgate

Operation

HANDS-FREE LIFTGATE ACTIVATION ZONE

The hands-free liftgate activation zone is located below the center of the rear bumper.



Hands-Free Liftgate Activation Zone



Kicking Motion

OPENING AND CLOSING THE LIFTGATE USING HANDS-FREE

1. Make sure the vehicle is in PARK (P).
2. Make sure the key fob is within 5 ft (1.5 m) of the power liftgate controls.
3. Kick your foot in a straight motion in the hands-free liftgate activation zone.

The vehicle will chime, the hazard lights will flash, and the liftgate opens or closes.

WARNING!

- Driving with the liftgate open can allow poisonous exhaust gases into your vehicle. You and your passengers could be injured by these fumes. Keep the liftgate closed when you are operating the vehicle.

(Continued)

WARNING!

- If you are required to drive with the liftgate open, make sure that all windows are closed, and the climate control blower switch is set at high speed. Do not use the recirculation mode.

WARNING!

During power operation, personal injury or cargo damage may occur. Ensure the liftgate travel path is clear. Make sure the liftgate is closed and latched before driving away.

Limitations

- The hands-free liftgate must be turned off during jacking, tire changing, manual car washing, and vehicle service.
- The hands-free liftgate can be activated by any metallic object making a similar in-and-out motion under the rear bumper.
- If anything obstructs the hands-free liftgate and provides sufficient resistance while it is opening or closing, the liftgate will automatically reverse to the previous position.
- There are pinch sensors attached to the side of the liftgate opening. Light pressure anywhere along these strips will cause the liftgate to return to the open position.
- If the hands-free liftgate encounters multiple obstructions within an attempt to open or close, the liftgate will automatically stop. If this occurs, the liftgate must be operated manually.

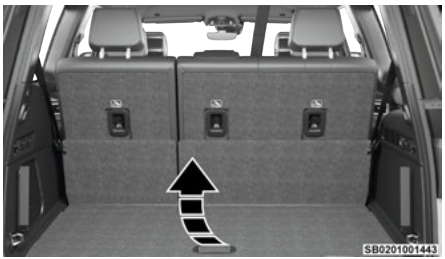
- The hands-free liftgate will release, but not raise, in temperatures below −12°F (−24°C). Be sure to remove any buildup of snow or ice from the liftgate before opening the liftgate.
- If the liftgate is left open for approxiamtely one hour or more, it may need to be manually closed to reset power liftgate functionality.

Cargo Area Features

Cargo Storage

The load floor is designed for a maximum load of 300 lb (136 kg), and should be uniformly distributed over the load floor.

Additional storage can be found under the storage lid. To access the lower storage, lift the handle and raise the storage lid.



Lift Load Floor Handle

Cargo Tie-Down Hooks

The cargo tie-downs, located on the cargo area sides, should be used to safely secure loads when the vehicle is moving. The cargo tie downs are designed for a maximum load of 300 lb (136 kg) per tie-down.



Tie-Down Hooks

WARNING!

- Cargo tie-downs are not safe anchors for a child seat tether strap. In a sudden stop or accident, a tie-down could pull loose and allow the child seat to come loose. A child could be badly injured. Use only the anchors provided for child seat tethers.
- To help protect against personal injury, passengers should not be seated in the rear cargo area. The rear cargo space is intended for load carrying purposes only, not for passengers, who should sit in seats and use seat belts.

(Continued)

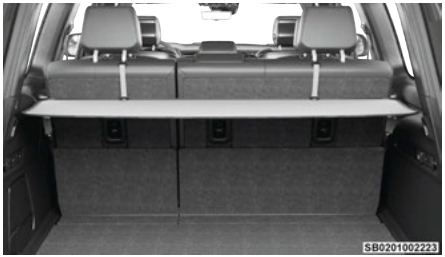
WARNING!

The weight and position of cargo and passengers can change the vehicle center of gravity and vehicle handling. To avoid loss of control resulting in personal injury, follow these guidelines for loading your vehicle:

- Do not carry loads that exceed the load limits described on the label attached to the left door or left door center pillar.
- Always place cargo evenly on the cargo floor. Put heavier objects as low and as far forward as possible.
- Place as much cargo as possible in front of the rear axle. Too much weight or improperly placed weight over or behind the rear axle can cause the vehicle to sway.
- Do not pile luggage or cargo higher than the top of the seatback. This could impair visibility or become a dangerous projectile in a sudden stop or accident.

Foldable Cargo Area Cover — If Equipped

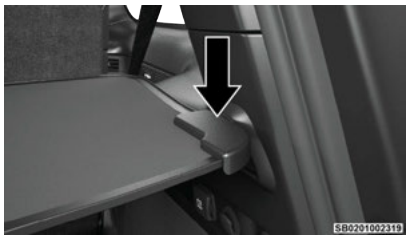
The purpose of this cover is for privacy, not to secure loads. It will not prevent cargo from shifting or protect passengers from loose cargo.



Foldable Cargo Area Cover

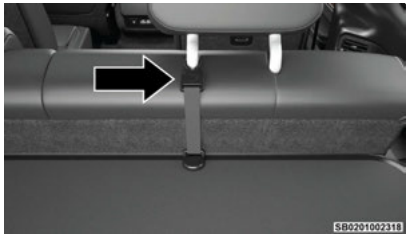
To cover the cargo area:

1. Remove the folded cover from the storage pouch, and unfold using a twisting motion.
2. Insert the pins on the ends of the cover into the slots on each side of the pillar trim.



Step 2

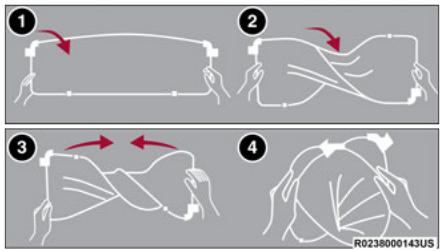
3. Hook the straps to the inside post of the rear head restraint on each side.



Step 3

NOTE:
The liftgate may be opened with the cargo cover in place.

To store the foldable cargo area cover, reverse the installation steps and replace the cover into its storage pouch.



Folding The Cargo Cover

1 — Remove Cover From Vehicle
2 — Twist Cover
3 — Push Twisted Cover Inward
4 — Place Folded Cover In Pouch

WARNING!

In a collision, a loose cargo cover in the vehicle could cause injury. It could fly around in a sudden stop and strike someone in the vehicle. Do not store the cargo cover on the cargo floor or in the passenger compartment. Remove the cover from the vehicle when taken from its mounting. Do not store it in the vehicle.

Retractable Cargo Area Cover — If Equipped

The purpose of this cover is for privacy, not to secure loads. It will not prevent cargo from shifting or protect passengers from loose cargo.

To cover the cargo area:

1. Grab the cover at the center handle and pull over the cargo area.
2. Insert the pins on the ends of the cover into the slots in the pillar trim cover.
3. The liftgate may be opened with the cargo cover in place.



Rear Cargo Cover

WARNING!

In a collision, a loose cargo cover in the vehicle could cause injury. It could fly around in a sudden stop and strike someone in the vehicle. Do not store the cargo cover on the cargo floor or in the passenger compartment. Remove the cover from the vehicle when taken from its mounting. Do not store it in the vehicle.

Cargo Net — If Equipped

The rear cargo area may be equipped with a cargo net to keep items secure while driving.

To attach the cargo net, the clips must be hooked through the loops on both sides of the cargo area.

HOOD

Operation

Opening The Hood

1. Pull the release lever located underneath the driver's side of the instrument panel.



Hood Release

2. Reach under the hood from outside the vehicle, move the safety latch to the left, and lift the hood.



Safety Latch Location

NOTE:

- Vehicle must be at a stop and the gear selector must be in PARK.
- While lifting the hood, use both hands.
- Before lifting the hood, check that the wiper arms are not in motion and not in the lifted position.
- You may have to push down slightly on the hood before moving the safety latch.

Closing The Hood

In one continuous motion:

1. Pull down on the front edge of the hood until you no longer feel resistance from the hood struts.
2. Let the hood fall and close.

WARNING!

Be sure the hood is fully latched before driving your vehicle. If the hood is not fully latched, it could open when the vehicle is in motion and block your vision. Failure to follow this warning could result in serious injury or death.

DASHBOARD INSTRUMENTS AND CONTROLS

INSTRUMENT CLUSTER

Base Instrument Cluster



Premium Instrument Cluster



Instrument Cluster Descriptions

While in the Speedometer main menu, press the left or right arrow button on the steering wheel controls to change the display between digital and analog.

1. Speedometer
   - Indicates vehicle speed.
2. Temperature Gauge
   - Shows engine coolant temperature.
   - Any reading within the normal range indicates satisfactory operation.
   - Higher temperatures may occur when driving in hot weather, up mountain grades, or when towing a trailer. Do not exceed the upper limits of the normal operating range.

WARNING!
A hot engine cooling system is dangerous. You or others could be badly burned by steam or boiling coolant. It is recommended

(Continued)

WARNING!
to call an authorized dealer for service if your vehicle overheats.

CAUTION!
Driving with a hot engine cooling system could damage your vehicle. If the temperature gauge reads “H” pull over and stop the vehicle. Idle the vehicle with the air conditioner turned off until the pointer drops back into the normal range. If the pointer remains on the “H”, turn the engine off immediately and call an authorized dealer for service.

3. Tachometer
   - Indicates the engine speed in revolutions per minute (RPM x 1000).
4. Fuel Gauge
   - Displays the level of fuel in the fuel tank.
   -  The fuel pump symbol indicates the fuel door location.

NOTE:

Some telltales illuminate briefly for a bulb check when the vehicle is first turned on.

Instrument Cluster Display

Description

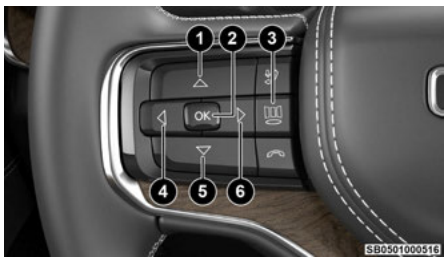
The instrument cluster display provides important information about your vehicle’s features, systems, and system failures using warning and indicator lights or pop-up messages. The instrument cluster may include a driver interactive display, main screen, reconfigurable telltales, and gear selector status (PRND). Use the steering wheel mounted controls to scroll through main menus, submenus, and access cluster settings.

Depending on the vehicle’s trim level, features and options may vary.

With the vehicle OFF, the opening/closing of a door will activate the display, showing total miles or kilometers in the odometer.

Operation

Use the buttons to navigate through the instrument cluster.



Instrument Cluster Display Controls

1. **Up** Arrow Button

   Push the **up** arrow button to scroll through the menu list.
2. **OK** Button

   Push the **OK** button to select an information or submenu screen of a main menu item. Push and hold the **OK** button for one second to reset certain features.
3. **Home** Button

   Push the **Home** button to select an information or submenu screen from the Home Screen. Push and hold the **OK** button to enter edit mode.
4. **Left** Arrow Button

   Push the **left** arrow button to scroll through submenus. Use the **left** arrow button to exit some menus.
5. **Down** Arrow Button

   Push the **down** arrow button to scroll through the menu list.
6. **Right** Arrow Button

   Push the **right** arrow button to scroll through submenus.

Display Options

To change the display from Analog to Digital, push the **left** or **right** arrow button while in the Speedometer main menu.

CUSTOM TILE CONFIGURATION

The Home Screen can be customized.

1. Press the **Home** button for the Home Screen display.
2. Navigate **Left** or **Right** to highlight the desired tile.
3. Press **OK** to select the tile and use the arrow buttons to navigate to available submenus, if any. Press **OK** again to confirm the selection.



Customizable Tile Layout

NOTE:
These options may vary based on your vehicle trim level.

- **Navigation**
  - Map (Route Set / Route Not Set)
  - Trip A / Trip B
- **Vehicle Info**
  - Coolant Temp
  - Trans Temp
  - Oil Temp
  - Oil Pressure
  - Battery Voltage
  - Oil Life
  - Tire Pressure
  - Fuel Economy
- **Driver Info – If Equipped**
  - Posted Speed Limit Sign
  - Driver Assist
- **Audio**
  - Audio Info
- **Off Road – If Equipped**
  - Selec-Terrain / Air Suspension Status
  - Steering Angle
  - Pitch
  - Roll
  - **Trailer Tow – If Equipped**
    - Trailer Trip
    - Trailer Brake
    - Trailer Tire Pressure

ENGINE OIL LIFE RESET

Oil Level

The 3.0L engine does not have a traditional "dipstick", and there is no need to manually check the oil level.

Oil Change Required

The "Oil Change Required" message will display, and a single chime will sound when an oil change is due. The system is duty cycle based; the oil change interval may fluctuate depending on driving style/habits and environmental conditions.

This message continues to display when the ignition is placed in the ON/RUN position. To turn off the message temporarily, push **OK**. To reset the system (after performing the scheduled maintenance), refer to the following procedures:

NOTE:
If the indicator message continues to display, the oil change indicator system did not reset. If necessary, repeat either procedure.

1. Without pressing the brake pedal, push the Start button to place the ignition in ON/RUN (do not start the engine).
2. Navigate to the Vehicle Info main menu in the instrument cluster display.
3. Access the Oil Life submenu.
4. Push and hold the **OK** button. The gauge and numeric display will update to show 100%. The message "To Reset Oil Life, Engine Must Be Off With Ignition In RUN" will display (for five seconds) if the engine is running.

Secondary Method Of Resetting Engine Oil Life

1. Without pressing the brake pedal, push the Start button to place the ignition to the ON/RUN position (do not start the engine).
2. Fully press the accelerator pedal, slowly, three times within 10 seconds.
3. Without pushing the brake pedal, push the Start button once to return the ignition to the OFF position.

Settings

INSTRUMENT CLUSTER DISPLAY MENU ITEMS

NOTE:
Depending on the vehicle's options, feature settings may vary.

SPEEDOMETER

Push **OK** to change between mph and km/h.

Analog or Digital Layout

Push the right or left arrows to switch between Analog or Digital layout.

DRIVER INFO

Driver Assist — If Equipped

The Driver Assist screen indicates the current status of ACC, Active Lane Management and Active Driving Assist/Assist+/Pilot ⇨ page 187.

Night Vision — If Equipped



Arrow buttons and submenu indicators disappear after five seconds of inactivity. Pedestrian/Animal icons display in the top left ⇨ page 184.

VEHICLE INFO

Fuel Economy

- Provides the status of current consumption compared to average consumption. Hold the OK button to reset average economy.
- For invalid or no signals, the values may display two dashes "- -".

Gauge Summary

- **Coolant Temperature — If Equipped**

  Displays coolant temperature.
- **Battery Voltage**

  Displays battery voltage level and access to Storage Mode.
- **Transmission Temperature**

  Displays current transmission temperature.
- **Oil Temperature**

  Displays current oil temperature.
- **Oil Pressure**

  Displays current oil pressure.

Oil Life

- Displays current oil life.

Oil Level — If Equipped

- Displays the current oil level ⇨ page 254.

Tire Pressure Monitoring System

- Tire pressure levels display with an image of the vehicle. Each tire will display the current tire pressure.
- If one or more tires have low pressure, "Inflate Tire To XX" is displayed with the vehicle icon, and the tire pressure value of the low tire will display in red.
- If the Tire Pressure system requires service, "Service Tire Pressure System" is displayed.

Tire Pressure is an information only function, and cannot be reset ⇨ page 226.

Stop/Start Status — If Equipped

- Displays current status of Stop/Start system.

STORAGE MODE

Storage Mode disables features to preserve battery life when the vehicle will be stored or not used for an extended period of time. Storage Mode can be enabled manually through the Instrument Cluster, or if the vehicle has not been started in 14 days, Storage Mode will automatically activate.

NOTE:
Storage Mode will also automatically start if the 12V battery charge is low.

To enable Storage Mode manually, navigate to the 12V battery gauge or voltage menu, then press and hold the OK button to request Storage mode. Follow displayed messages and instructions. To exit Storage Mode, start

the vehicle. The vehicle can also be started by pressing the Remote Start button twice on the Key Fob.

While in Storage Mode, several vehicle feature will be disabled to preserve the vehicle battery:

- Connected Services
- Digital Key – If Equipped
  - Keyless Enter 'n Go™
  - Remote Keyless Entry

To reactive the vehicle using the Digital Key, tap the paired smartphone to the door handle to unlock the vehicle. When inside the vehicle, tap the smartphone to the wireless charging pad and then press the Start button to start the vehicle.

WARNING!

- The Rear Seat Reminder Alert is not available when the vehicle is in Storage Mode.
- Make sure to check the rear seats for children and animals before engaging Storage Mode.



Storage Mode Activation Location

TRIP

- Distance
- Average Fuel Economy
- Elapsed Time

Push and hold the **OK** button to reset all information.

NAVIGATION — IF EQUIPPED

Displays the current navigation route and navigation instructions.

- "Hold **OK** to Start Route" will display when no active route is set.
- "Hold **OK** to Cancel Route" will display when an active route is set.

OFF ROAD

- **Terrain Status**
  - Selec-Terrain Status
  - Air Suspension Status — If Equipped
  - Drive Modes Status — If Equipped
- **Vehicle Dynamics**
  - Wheel Articulation
  - Transfer Case Status — If Equipped
  - Steering Angle
- **Pitch And Roll**
  - Vehicle Pitch
  - Vehicle Roll

TRAILER TOW — IF EQUIPPED

Trailer Trip will display the following:

- Distance

NOTE:
Press and hold the **OK** button to reset all the information.

Trailer Brake will display the following:

- Output
- Type
- Gain

Trailer Tire Pressure will display the following:

- Trailer Tire Pressure

Trailer Light Status will display the following:

- Running Lights Status
- Left Brake Light Status

- Right Brake Light Status
- Left Turn Signal Status
- Right Turn Signal Status
- Reverse Lights Status

AUDIO

The Audio menu displays the audio source information, including the song name, artist name, and audio source with an accompanying graphic.

MESSAGES

Stored Messages

This menu shows the number of stored warning messages, if any. The number of messages is indicated by the submenu dots on the screen. When there are no messages or only one message, no submenu dots or arrows will appear.

NOTE:
Some messages display until the activating condition is cleared and are not stored.

SETTINGS

Screen Setup

This selection changes what and where information is displayed in the instrument cluster.

NOTE:
Based on equipment options and current vehicle status, some features may not be available.

- **Upper Right and Upper Left**: None, Compass, Outside Temp, Time, Range, Average, Current, Trip A, Trip B, Trailer Trip
- **Current Gear**: On, Off
- **Odometer**: Show, Hide
- **Fuel Gauge — If Equipped**: Show Range, Hide Range
- **Range To Empty — If Equipped**: Show Range, Hide Range
- **Favorite Menus**: Trip, Navigation, Off Road (If Equipped), Trailer Tow, Audio
  - Push the **OK** button on menus with (show/hide) to choose whether to show or hide this menu on the instrument cluster display. Menus default to show.
- **Defaults (Restores All Settings To Default Settings)**: Restore, Cancel

  NOTE:
  Default settings are also restored on the Home Screen tiles.

Speed Warning - If Equipped

Speed Warning provides a visual and audible warning when the vehicle exceeds the customer set speed. Set speed will appear within a telltale.

To set Speed Warning, press the OK button to enter the Speed Warning submenu. Use the up or down arrow buttons to scroll to Speed Warning On. Edit Speed will be available once turned on. Use the up or down arrow buttons to set limit. Press the OK button to set the speed.

HEAD UP DISPLAY (HUD) — IF EQUIPPED

Head Up Display (HUD) settings are available at any vehicle speed. Some information like speed limit or Driver Assist will not appear on the HUD unless the vehicle is equipped with Traffic Sign Assist or Driver Assist systems. Please refer to your Uconnect 5/5 NAV Radio book for more information.

- Display On/Off
- Content and Layout: Simple, Standard, Advanced
- Navigation — If Equipped
- Display Height
- Brightness

Additional Features

BATTERY SAVER ON/BATTERY SAVER MODE MESSAGE — ELECTRICAL LOAD REDUCTION ACTIONS (IF EQUIPPED)

The vehicle is equipped with an Intelligent Battery Sensor (IBS), which monitors the electrical system and status of the vehicle battery.

When the IBS detects charging system failure or the vehicle battery is deteriorating, the system will reduce power to or turn off non-essential electrical systems to extend driving time and distance.

Load reduction is only active when the engine is running. A message displays if there is a risk of battery depletion that may cause the vehicle to stall due to lack of electrical supply or will not restart after the current drive cycle.

When load reduction is activated, the message “Battery Saver On” or “Battery Saver Mode” will appear in the instrument cluster.

These messages indicate the vehicle battery has a low state of charge and continues to lose electrical charge at a rate that the charging system cannot sustain.

NOTE:

- The charging system is independent from load reduction. The charging system performs a diagnostic on the charging system continuously.
- If the Battery Charge Warning Light is on, it may indicate a problem with the charging system ⇨ page 107.

The following may be affected by load reduction:

- Heated Seat/Ventilated Seats/Heated Steering Wheel
- Rear Defroster and Heated Mirrors
- HVAC System
- 115 Volt AC Power Inverter System
- Audio and Telematics System

Loss of battery charge may indicate one or more of the following conditions:

- The charging system cannot deliver enough electrical power to the vehicle because electrical loads are larger than the capability of the charging system. The charging system is still functioning properly.
- Too many vehicle electrical loads (e.g. HVAC to max settings, exterior and interior lights, overloaded power outlets +12 Volt, 115 Volt AC, USB ports) have been turned on during certain driving conditions (city driving, towing, frequent stopping, etc.).
- Installed options like additional lights, upfitter electrical accessories, audio systems, alarms and similar devices.
- Unusual driving cycles (short trips separated by long parking periods).
- The vehicle was parked for an extended period of time (weeks, months).
- The battery was recently replaced and was not charged completely.
- The battery was discharged by an electrical load left on when the vehicle was parked.
- The battery was used for an extended period with the engine not running.

An electrical load reduction action message is present ("Battery Saver On" or "Battery Saver Mode")

During a trip:

- Reduce power to unnecessary loads if possible:
  - Turn off lights (interior or exterior)
  - Unplug devices from the USB ports
  - Check HVAC settings (blower, temperature)
  - Check the audio settings (volume)

After a trip:

- Check any aftermarket equipment installed (additional lights, upfitter electrical accessories, audio systems, alarms) and review specifications if any (load and Ignition Off Draw currents).
- Evaluate the latest driving cycles (distance, driving time and parking time).
- The vehicle should have service performed if the message is still present during consecutive trips and if the evaluation and driving pattern of the vehicle did not help to identify the cause.

WARNING LIGHTS AND MESSAGES

Description

Warning and indicator lights will illuminate in the instrument panel, along with dedicated messages and/or acoustic signals when applicable. Always refer to the information in the Owner's Manual in the event of a failure indication. All active telltales will display first, if applicable.

NOTE:

- Some telltales are optional or model specific and may not appear.
- Several of the telltales will illuminate when the vehicle is first turned on. The vehicle is performing a bulb check when this occurs. If the lights do not illuminate during the bulb check, take the vehicle to an authorized dealer for service.

Red Warning Lights

Air Bag Warning Light



This warning light indicates a fault with the air bag, and will turn on for four to eight seconds as a bulb check when the ignition is placed in the ON/RUN position. This light will illuminate with a single chime when a fault with the air bag has been detected, it will stay on until the fault is cleared. If the light is either not on during startup,

stays on, or turns on while driving, have the system inspected at an authorized dealer as soon as possible.

Battery Charge Warning Light



This light indicates when the battery is not charging properly. If it stays on while the engine is running, there may be a malfunction with the charging system, electrical system, or related component. Contact an authorized dealer as soon as possible.

Brake Warning Light



This warning light monitors various brake functions, including brake fluid level and parking brake application. If the brake light turns on it may indicate that the parking brake is applied, that the brake fluid level is low, or that there is a problem with the Anti-Lock Brake System reservoir.

If the light remains on when the parking brake has been disengaged, and the fluid level is at the full mark on the master cylinder reservoir, it indicates a possible brake hydraulic system malfunction or that a problem with the Brake Booster has been detected by the Anti-Lock Brake System (ABS) / Electronic Stability Control (ESC) system. In this case, the light will remain on until the condition has been corrected. If the problem is related to the brake booster, the ABS pump will run when applying the brake, and a brake pedal pulsation may be felt during each stop.

The dual brake system provides a reserve braking capacity in the event of a failure to a portion of the hydraulic system. A leak in either half of the dual brake system is indicated by the Brake Warning Light, which will turn on when the brake fluid level in the master cylinder has dropped below a specified level.

The light will remain on until the cause is corrected.

NOTE:

The light may flash momentarily during sharp cornering maneuvers, which change fluid level conditions. The vehicle should have service performed, and the brake fluid level checked.

If brake failure is indicated, immediate repair is necessary.

WARNING!
Driving a vehicle with the red brake light on is dangerous. Part of the brake system may have failed. It will take longer to stop the vehicle. You could have a collision. Have the vehicle checked immediately.

Vehicles equipped with the Anti-Lock Brake System (ABS) are also equipped with Electronic Brake Force Distribution (EBD). In the event of an EBD failure, the Brake Warning Light will turn on along with the ABS Light. Immediate repair to the ABS system is required.

Operation of the Brake Warning Light can be checked by turning the ignition switch from the OFF position to the ON/RUN position. The light should illuminate for approximately two seconds. The light should then turn off unless the parking brake is applied or a brake fault is detected. If the light does not illuminate, have the light inspected by an authorized dealer.

The light also will turn on when the parking brake is applied with the ignition switch in the ON/RUN position.

NOTE:

This light shows only that the parking brake is applied. It does not show the degree of brake application.

Door Open Warning Light



This light indicates a door is ajar/open and not fully closed.

NOTE:

If the vehicle is moving, there will also be a single chime.

Drowsy Driver Detected Warning Light — If Equipped



The Drowsy Driver Detected (DDD) system monitors vehicle movement and driver interactions to identify patterns that suggest drowsiness. If detected, the system sends the driver an auditory and visual signal. A pop-up will display continuously until the driver presses the **OK** button.

Once the pop-up message is cleared, it is stored until the condition is no longer true ⇨ page 215.

Electric Power Steering (EPS) Fault Warning Light



This light indicates a fault with the EPS system ⇨ page 72.

WARNING!

Continued operation with reduced assist could pose a safety risk to yourself and others. Service should be obtained as soon as possible.

Electronic Throttle Control (ETC) Warning Light



This light indicates a problem with the ETC system. The light will either stay on or flash depending on the nature of the problem. Stop and start the vehicle when safely and completely stopped and place the vehicle in the PARK position. The light should turn off. If the light remains on, the vehicle will usually be drivable; however, see an authorized dealer for service as soon as possible.

NOTE:

This light may illuminate if the accelerator and brake pedals are pressed at the same time.

If the light continues to flash, immediate service is required. The vehicle may have reduced performance, an elevated/rough idle, or an engine stall and may require towing.

Engine Coolant Temperature Warning Light



This light indicates an overheated engine condition when the engine coolant temperature is too high. If the temperature reaches the upper limit, a continuous chime will sound for four minutes or until the engine is able to cool, whichever comes first.

If the light turns on while driving:

1. Safely pull over and stop the vehicle.
2. If the Air Conditioning (A/C) system is on, turn it off.
3. Shift the transmission into NEUTRAL (N) and idle the vehicle.

If the temperature reading does not return to normal, turn the engine off immediately and call for service ⇨ page 241.

Hood Open Warning Light



This light indicates the hood is open or not fully closed.

NOTE:

If the vehicle is moving, there will also be a single chime.

Liftgate Open Warning Light



This light indicates the liftgate is open.

NOTE:

If the vehicle is moving, there will also be a single chime.

Night Vision Animal Detected Warning Light — If Equipped



The light indicates an animal is detected directly in the vehicle's path, near the headlights, and a collision is possible.

If enabled, a chime will sound, and a video pop-up may display when a detection occurs.

Night Vision Pedestrian Detected Warning Light — If Equipped



The light indicates a pedestrian is detected directly in the vehicle's path, near the headlights, and a collision is possible.

If enabled, a chime will sound, and a video pop-up may display when a detection occurs.

Oil Level Warning Light — If Equipped



This light indicates a problem with the vehicle oil level. A chime will sound when this light illuminates, and a message will display to indicate that the oil level is lower or higher than appropriate. Continued driving may result in engine damage, add (or drain) manufacturer recommended oil as needed to achieve the proper level.

Oil Pressure Warning Light



This light indicates low engine oil pressure. A chime will sound when this light illuminates. If the light turns on while driving:

1. Stop the vehicle.
2. Shut off the engine as soon as possible

Do not operate the vehicle until the cause is corrected and contact an authorized dealer for service. This light does not indicate how much oil is in the engine.

Oil Temperature Warning Light



This light indicates the engine oil temperature is high. If the light turns on while driving:

1. Safely pull over.
2. Stop the vehicle and keep engine running.

If the temperature does not return to normal after a few minutes, turn off the engine and call for service.

Transmission Temperature Warning Light — If Equipped



This light indicates high transmission fluid temperature, which can occur with strenuous usage like trailer towing. If this light turns on, stop the vehicle and run the engine at idle or slightly faster, with the transmission in PARK (P) or NEUTRAL (N), until the light turns off. Once the light turns off, resume driving normally.

WARNING!

If you continue operating the vehicle when the Transmission Temperature Warning Light is

(Continued)

WARNING!

illuminated, you could cause the fluid to boil over, come in contact with hot engine or exhaust components and cause a fire.

CAUTION!

Continuous driving with the Transmission Temperature Warning Light illuminated will eventually cause severe transmission damage or transmission failure.

Seat Belt Reminder Warning Light



This light indicates when the driver or passenger seat belt is unbuckled. When the ignition is first placed in the ON/RUN or ACC/ON/RUN position and if the driver's seat belt is unbuckled, a chime will sound and the light will turn on. When driving, if the driver or front passenger seat belt remains unbuckled, the Seat Belt Reminder Light will flash or remain on continuously and a chime will sound.

Vehicle Security Warning Light — If Equipped



This light indicates the vehicle security alarm is active. It will flash at a fast rate for approximately 15 seconds when the vehicle security system is arming and then will flash slowly until the vehicle is disarmed.

Yellow Warning Lights

Anti-Lock Brake System (ABS) Warning Light



This light indicates the Anti-Lock Brake System, which will turn on when the vehicle is started but will turn off shortly after. If it does not turn on after the vehicle is started, please contact an authorized dealer.

If the ABS light remains on or turns on while driving, then the Anti-Lock portion of the brake system is not functioning and service is required as soon as possible. The conventional brake system will operate normally, assuming the Brake Warning Light is not also on.

Air Suspension Fault Warning Light



This light indicates that a fault was detected in the air suspension system. Please contact an authorized dealer.

Drowsy Driver Detected System Fault Warning Light — If Equipped



This light indicates that the Drowsy Driver Detected (DDD) system is not operating correctly and requires service. Please contact an authorized dealer.

Electric Park Brake Warning Light



This light indicates that the Electric Park Brake is not functioning properly and service is required. Please contact an authorized dealer.

Electronic Stability Control (ESC) Active Warning Light



This light will turn on when the Electronic Stability Control system is Active. It will also make a buzzing or clicking noise; this is normal and will turn off once ESC becomes inactive. This light in the instrument cluster will turn on when the ignition is placed in the ON/RUN position, and when ESC is activated. It will turn off with the engine running. If the ESC Indicator Light comes on continuously with the engine running, a malfunction has been detected in the ESC system. If this warning light remains on after several ignition cycles, and the vehicle has been driven several miles (kilometers) at speeds greater than 30 mph (48 km/h), see an authorized dealer as soon as possible to have the problem diagnosed and corrected.

Electronic Stability Control (ESC) OFF Warning Light



This light indicates that the Electronic Stability Control is turned off. Each time the ignition is turned to ON/RUN, the ESC system will be on, even if it was turned off previously.

Service Active Lane Management Warning Light — If Equipped



This light indicates when the Active Lane Management system is not operating and requires service. Please see an authorized dealer.

Active Lane Management Warning Light — If Equipped



The Active Lane Management Warning Light indicates when the vehicle is approaching a lane marker. The warning light will flash when the vehicle is crossing the lane marker ⇨ page 187.

Low Fuel Warning Light



This light indicates when the fuel level reaches approximately 2 gal (7.5 L). A chime will sound when the light turns on. The light will remain on until fuel is added.

Fuel Level Sensor Failure Warning Light - If Equipped



This light indicates a problem with the Fuel Level Sensor. A message will appear on the dashboard. If this light comes on see an authorized dealer immediately.

Low Washer Fluid Warning Light



This light indicates that the windshield washer fluid is low ⇨ page 262.

Engine Check/Malfunction Indicator Warning Light (MIL)



The Engine Check/Malfunction Indicator Light (MIL) is a part of an Onboard Diagnostic System called OBD II that monitors engine and automatic transmission control systems. This warning light will illuminate when the ignition is in the ON/RUN position before engine start. If the bulb does not come on when turning the ignition switch from OFF to ON/RUN, have the condition checked promptly.

Certain conditions, such as a loose or missing gas cap, poor quality fuel, etc., may illuminate the light after engine start. The vehicle should be serviced if the light stays on through several typical driving styles. In most situations, the vehicle will drive normally and will not require towing.

When the engine is running, the MIL may flash to alert serious conditions that could lead to immediate loss of power or severe catalytic converter damage. The vehicle should be serviced by an authorized dealer as soon as possible if this occurs.

WARNING!

A malfunctioning catalytic converter, as referenced previously, can reach higher temperatures than in normal operating conditions. This can cause a fire if you drive slowly or park over flammable substances such as dry plants, wood, cardboard, etc. This could result in death or serious injury to the driver, occupants or others.

CAUTION!

Prolonged driving with the Malfunction Indicator Light (MIL) on could cause damage to the vehicle control system. It also could affect fuel economy and driveability. If the MIL is flashing, severe catalytic converter damage and power loss will soon occur. Immediate service is required.

Night Vision Animal Detected Warning Light — If Equipped



This light indicates that the Night Vision Warning System has detected an animal approaching in the vehicle's path.

Rear Axle Lock Indicator Light — If Equipped



This light indicates that the rear axle lock has been activated.

Oil Level Sensor Fault Warning Light — If Equipped



This light indicates a fault with the engine oil level sensor. Please contact an authorized dealer for service.

Rear Axle Locker Fault Warning Light — If Equipped



This light indicates when a rear axle locker fault has been detected. Please contact an authorized dealer for service.

Night Vision Pedestrian Detected Warning Light — If Equipped



This light indicates to the driver that the Night Vision System has detected a pedestrian approaching in the vehicle's path.

Service 4WD Warning Light — If Equipped



This light indicates a fault with the 4WD system. If the light stays on or comes on during driving, it means that the 4WD system is not functioning properly and that service is required. Please drive to the nearest service center and have the vehicle serviced immediately.

Service Adaptive Cruise Control (ACC) Warning Light



This light indicates when the ACC is not operating and needs service ⇨ page 216.

Service Active Lane Management Warning Light — If Equipped



This light will indicates when the Active Lane Management system is not operating and requires service. Please see an authorized dealer.

Service Forward Collision Warning (FCW) Or Pedestrian Emergency Braking (PEB) Warning Light



This light indicates a fault in the FCW or PEB System. Contact an authorized dealer for service ⇨ page 172.

Service Stop/Start System Warning Light



This light indicates when the Stop/Start system is not functioning properly. Please contact an authorized dealer for service.

Tire Pressure Monitoring System (TPMS) Warning Light



This light indicates that the tire pressure is lower than the recommended value and/or that slow pressure loss is occurring, a message is displayed. In these cases, optimal tire duration and fuel consumption may not be guaranteed.

The display will show the indications corresponding to each tire.

CAUTION!
Do not continue driving with one or more flat tires as handling may be compromised. Stop the vehicle, avoiding sharp braking and steering. If a tire puncture occurs, repair immediately using the dedicated tire repair kit and contact an authorized dealer as soon as possible.

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label. If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label, you should determine the proper tire inflation pressure for those tires.

As an added safety feature, your vehicle has been equipped with a TPMS that illuminates a low tire pressure telltale when one or more of your tires is significantly underinflated. Accordingly, when the low tire pressure telltale illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly underinflated tire causes the tire to overheat and can lead to tire failure. Underinflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

Please note that the TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if underinflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale.

Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when the system is not operating properly. The TPMS malfunction indicator is combined with the low tire pressure telltale. When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended. TPMS malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS from functioning properly. Always check the TPMS malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS to continue to function properly ⇨ page 226.

CAUTION!

The TPMS has been optimized for the original equipment tires and wheels. TPMS pressures and warning have been established for the tire size equipped on your vehicle. Undesirable system operation or sensor damage may result when using replacement equipment that is not of the same size, type, and/or style. Aftermarket wheels can cause sensor damage. Using aftermarket tire sealants may cause the Tire Pressure Monitoring System (TPMS) sensor to become inoperable. After using an aftermarket tire sealant it is recommended that you take your vehicle to an authorized dealer to have your sensor function checked.

Traffic Sign Recognition (TSR) Fault Warning Light



This light indicates a TSR fault. Contact an authorized dealer if the light remains on after restarting vehicle.

Towing Hook Breakdown Warning Light — If Equipped



This light indicates a failure with the tow hook. Please contact an authorized dealer for service.

Yellow Indicator Lights

4WD Low Indicator Light — If Equipped



This light indicates the vehicle is in the 4WD Low mode. The front and rear driveshafts are mechanically locked together, forcing the front and rear wheels to rotate at the same speed. Low range provides a greater gear reduction ratio to provide increased torque at the wheels ⇨ page 151.

Air Suspension Active Indicator Light — If Equipped



This light indicates the air suspension system is actively adjusting the ride height ⇨ page 149.

Air Suspension Mode Indicator Lights— If Equipped



The Air Suspension mode indicator lights are similar to the physical switch indicator levels. The number of yellow boxes differs depending on how many suspension levels are available. Available modes are Entry/Exit, Aero, Normal (no telltale), Off Road, Off Road 1, or Off Road 2.

Off Road 1 and Off Road 2 are only available with the five-level air suspension system ⇨ page 149.

Auto HOLD! Fault Indicator Light — If Equipped



This light indicates a fault is detected in the Auto HOLD! system. It will stay on as long as the fault condition exists.

Forward Collision Warning (FCW) Or Pedestrian Emergency Braking (PEB) Off Indicator Light



This light indicates that FCW or PEB is off ⇨ page 172.

Maximum Payload Exceeded Indicator Light



This light indicates that the maximum payload has been exceeded or load leveling cannot be achieved at its current ride height.

NEUTRAL Indicator Light — If Equipped



This light indicates the 4WD power transfer case is in the NEUTRAL mode and the front and rear driveshafts are disengaged from the powertrain.

TOW/HAUL Indicator Light



This light indicates when TOW/HAUL mode is selected.

Green Indicator Lights

Adaptive Cruise Control (ACC) Set With Target Indicator Light — If Equipped



This light indicates ACC is set and detects a vehicle in front. ⇨ page 216.

Adaptive Cruise Control (ACC) Set With No Target Detected Indicator Light — If Equipped



This light indicates ACC is set and no vehicle is detected in front. ⇨ page 216.

Auto HOLD Indicator Light — If Equipped



Auto HOLD keeps your vehicle at a complete stop without you having to keep your foot on the brake pedal. Once engaged a green “HOLD” indicator will appear in the instrument cluster display.

Cruise Control SET Indicator Light — If Equipped



This light indicates cruise control is set to the desired speed ⇨ page 216.

Front Fog Indicator Light



This light indicates the front fog lights are on ⇨ page 72.

Active Lane Management Indicator Light — If Equipped



This light indicates both lane markings have been detected and the system is active and ready to provide visual and torque warnings if an unintentional lane departure occurs ⇨ page 187.

Intelligent Speed Assist (ISA) Set Indicator Light — If Equipped



The ISA system combines the Active Speed Limiter and Traffic Sign Assist (TSA) systems to automatically adjust the maximum speed of the vehicle based on detected traffic signs. When the system is fully engaged and detects the current speed limit using the TSA system, a message in the instrument cluster display will change to “Set” along with the speed now set by the Active Speed Limiter and the indicator turns green.

Night Vision Active Indicator Light — If Equipped



This light indicates the Night Vision Alert system is active ⇨ page 184.

Parking/Headlights On Indicator Light



This light indicates the parking lights or headlights are on ⇨ page 72.

Stop/Start Active Indicator Light



This indicator light will illuminate when the Stop/Start function is in “Autostop” mode ⇨ page 141.

Turn Signal Indicator Lights



This light indicates a turn signal is activated. The turn signal indicator will flash independently and the corresponding exterior turn signal lamps will flash. Move the multifunction lever down (left) or up (right) to activate the left or right turn signal.

NOTE:

- A continuous chime will sound if the vehicle is driven more than 1 mile (1.6 km) with either turn signal on.
- Check for an inoperative outside light bulb if either indicator flashes at a rapid rate.

White Indicator Lights

Adaptive Cruise Control (ACC) Ready Indicator Light — If Equipped



This light indicates that the ACC has been turned on, but is not set ⇨ page 216.

Cruise Control Ready Indicator Light



This light indicates that the cruise control is ready, but not set ⇨ page 216.

Hill Descent Control (HDC) Indicator Light — If Equipped



This light indicates when the HDC feature is turned on. The light will be on solid when HDC is armed. HDC can only be armed when the transfer case is in the 4WD Low position and the vehicle speed is less then 30 mph (48 km/h). If these conditions are not met while attempting to use the HDC feature, the HDC indicator light will flash on/off.

Intelligent Speed Assist (ISA) Ready Indicator Light — If Equipped



This light indicates that the system has been activated. A message “Ready” will appear on the dash with the light. The ISA system combines the Active Speed Limiter and Traffic Sign Assist (TSA) systems to automatically adjust the maximum speed of the vehicle based on detected traffic signs.

Active Lane Management Indicator Light — If Equipped



This light indicates that the Active Lane Management system is ON, but not armed. This occurs when only left, right, or neither lane line has been detected. If a single lane line is detected, the system is ready to provide only visual warnings if an unintentional lane departure occurs on the detected lane line ⇨ page 187.

Rear Seat Unoccupied Indicator Light — If Equipped



This light indicates that the rear passenger seats are unoccupied. It will illuminate in the upper right portion of the instrument cluster display, momentarily replacing the configurable corner information.

Selec-Speed Control Indicator Light — If Equipped



This light indicates that the Selec-Speed Control is activated.

To activate Selec-Speed Control, ensure the vehicle is 4WD Low and push the button on the Instrument Panel controls.

NOTE:
If the vehicle is not in 4WD Low, “To Enter Selec-Speed Shift to 4WD Low” will appear in the instrument cluster display.

Gray Indicator Lights

Night Vision Suppressed Indicator Light — If Equipped



This light indicates that the Night Vision Warning System status is suppressed
⇨ page 184.

Blue Indicator Lights

High Beam Indicator Light



This light indicates that the high beam headlights are on.

EMISSIONS INSPECTION AND MAINTENANCE PROGRAMS

Description



In some localities, it may be a legal requirement to pass an inspection of your vehicle's emissions control system. Failure to pass could prevent vehicle registration.

For states that require an Inspection and Maintenance (I/M), this check verifies the Malfunction Indicator Light (MIL) is functioning and is not on when the engine is running, and that the OBD II system is ready for testing.

Normally, the OBD II system will be ready. The OBD II system may **not** be ready if your vehicle was recently serviced, recently had a depleted battery or a battery replacement. If the OBD II system should be determined not ready for the I/M test, your vehicle may fail the test.

Your vehicle has a simple ignition actuated test, which you can use prior to going to the test station. To check if your vehicle's OBD II system is ready, you must do the following:

1. Cycle the ignition switch to the ON position, but do not crank or start the engine.

   NOTE:
   If you crank or start the engine, you will have to start this test over.

2. As soon as you cycle the ignition switch to the ON position, you will see the Malfunction Indicator Light (MIL) symbol come on as part of a normal bulb check.

3. Approximately 15 seconds later, one of two things will happen:

   - The MIL will flash for about 10 seconds and then return to being fully illuminated until you turn OFF the ignition or start the engine. This means that your vehicle's OBD II system is **not ready** and you should **not** proceed to the I/M station.
   - The MIL will not flash at all and will remain fully illuminated until you place the ignition in the off position or start the engine. This means that your vehicle's OBD II system is **ready** and you can proceed to the I/M station.

If your OBD II system is **not ready,** you should see an authorized dealer or repair facility. If your vehicle was recently serviced or had a battery failure or replacement, you may need to do nothing more than drive your vehicle as you normally would in order for your OBD II system to update. A recheck with the previously mentioned test routine may then indicate that the system is **now ready**.

Regardless of whether your vehicle's OBD II system is ready or not, if the MIL is illuminated during normal vehicle operation you should have your vehicle serviced before going to the I/M station. The I/M station can fail your vehicle because the MIL is on with the engine running.

ONBOARD DIAGNOSTIC SYSTEM

DESCRIPTION

This vehicle is equipped with an Onboard Diagnostic system,OBD II, that monitors the performance of the emissions, engine, and transmission control systems. When these systems are operating properly, your vehicle will provide excellent performance and fuel economy, as well as engine emissions well within current government regulations.

If any of these systems require service, the OBD II system will turn on the Malfunction Indicator Light (MIL). It will also store diagnostic codes and other information to assist your service technician in making repairs. Although your vehicle will usually be drivable and not need towing, see an authorized dealer for service as soon as possible.

CAUTION!

- Prolonged driving with the MIL on could cause further damage to the emission control system. It could also affect fuel economy and driveability. The vehicle must be serviced before any emissions tests can be performed.
- If the MIL is flashing while the vehicle is running, severe catalytic converter damage and power loss will soon occur. Immediate service is required.

Onboard Diagnostic System (OBD II) Cybersecurity

Your vehicle is required to have OBD II and a connection port to allow access to information related to the performance of your emissions controls. Authorized service technicians may need to access this information to assist with the diagnosis and service of your vehicle and emissions system ⇨ page 122.

WARNING!

- ONLY an authorized service technician should connect equipment to the OBD II connection port in order to read the VIN, diagnose, or service your vehicle.
- If unauthorized equipment is connected to the OBD II connection port, such as a driver-behavior tracking device, it may:
  - Be possible that vehicle systems, including safety related systems, could be impaired or a loss of vehicle control could occur that may result in an accident involving serious injury or death.
  - Access, or allow others to access, information stored in your vehicle systems, including personal information.

CLIMATE CONTROLS

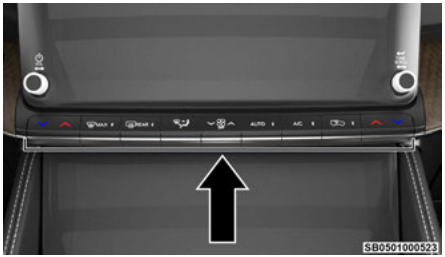
DESCRIPTION

The Climate Control system regulates temperature and air flow.

The Climate Controls are located on the center of the instrument panel.



Uconnect 5 NAV With 12-inch Display Temperature Controls



Instrument Panel Climate Control Buttons

Front Comfort And Convenience Display — If Equipped

Description

The Front Comfort And Convenience Display is located below the main Uconnect display and controls climate settings.



Front Comfort And Convenience Display Location

NOTE:
To use, the vehicle must be in the ON/RUN position.

Operation

Place the vehicle in the ON/RUN position.

To stow the display, push the Open/Close button. Push the button again to lower the screen.



Screen Open/Close Button

NOTE:
While stowed, the screen turns off and saves the currently displayed screen.

Operation

Climate Control Buttons

Button Icon	Description
MAX A/C	Press for the coldest A/C setting. Pressing other settings will end MAX A/C.
A/C	Press to activate the air conditioning.
	Press to swap between Recirculation mode and outside air mode ⇨ page 118.
AUTO	Press for automatic operation. AUTO mode will maintain desired temperatures ⇨ page 119.
FRONT	Press for Front Defrost mode. Air comes from the windshield and side window demist outlets.
REAR	Press for the rear window defroster and the heated outside mirrors (if equipped). The function automatically turns off after 10 minutes.
	Press the Up or Down arrows or adjust the temperature bar on the touchscreen to change the interior temperature.
SYNC	Press to match driver and passenger temperatures.

3

Button Icon	Description
	Adjust to change airflow strength between seven blower speeds.
	Press to change airflow direction.
	Press for airflow from the outlets in the instrument panel. The outlets can be adjusted to regulate airflow.
	Press for airflow from the instrument panel outlets and floor outlets. Cool air will flow from the upper vents and warm air from the lower vents.
	Press for airflow from the floor outlets.
	Press for airflow through the floor, defrost, and side window demister outlets.
	Turn the Climate Control System on or off.

CAUTION!

Failure to follow these cautions can cause damage to the heating elements:

- Use care when washing the inside of the rear window. Do not use abrasive window cleaners on the interior surface of the window. Use a soft cloth and a mild washing solution, wiping parallel to the heating elements. Labels can be peeled off after soaking with warm water.
- Do not use scrapers, sharp instruments, or abrasive window cleaners on the interior surface of the window.
- Keep all objects a safe distance from the window.

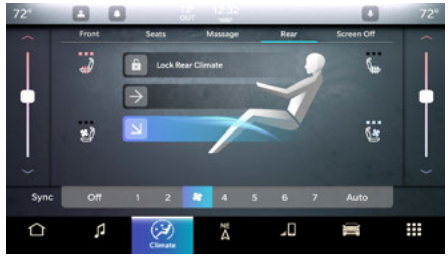
RECIRCULATION MODE

- Use Recirculation mode when smoke, odors, dust, or high humidity are present.
- Recirculation mode may automatically adjust or become unavailable due to certain weather conditions or excessive windshield fogging. Extended use is not recommended.

Controlling The Rear Climate Controls From The Front Climate Screen

Three-Zone and Four-Zone Climate Control systems can control the rear climate from the main Uconnect display or the Front Comfort And Convenience Display (if equipped).

- Press the "Rear" icon on the touchscreen to display the rear climate controls.
- Press the “Front” icon on the touchscreen to return to the front climate controls.



Four-Zone Rear Climate Controls From Front Climate Screen

NOTE:

If equipped with a Four-Zone Climate Control system, the left and right rear passenger zones allow for the temperature to be adjusted separately.

REAR CLIMATE CONTROL BUTTONS

Button Icon	Description
	Press to lock out manual control of the rear climate control display.
	Press to change the rear climate system to Auto mode. Temperature and blower speed will be controlled by the vehicle ⇨ page 119.

Button Icon	Description
SYNC	Press to turn the SYNC feature on/off and sync to the front climate controls. Changing the front climate settings adjusts all passenger settings.
	Press the small blower icon/ blower icon with the downward arrow or large blower icon/ blower icon with the upward arrow to adjust blower speed.
	Press to change blower direction to upper air vents.
	Press to change blower direction to lower air vents.
OFF	Press to turn off the rear climate control system.

Climate Voice Recognition

If equipped with Voice Recognition, push the VR/Phone button. After the beep, say one of the following commands:

- "Set the driver temperature to **[Desired Temperature]** degrees"
- "Set the passenger temperature to **[Desired Temperature]** degrees"

Voice Command for Climate may only be used to adjust the vehicle's internal temperature. They cannot adjust the heated seats or steering wheel, if equipped.

Manual Operation Override

If the system controls are adjusted manually, AUTO mode will turn off.

NOTE:

The system will not automatically sense the presence of fog, mist or ice on the windshield. Defrost mode must be selected to clear the windshield and side glass.

Automatic Temperature Control (ATC)

Push the AUTO button and adjust the temperature controls. The system will maintain the set temperature.

Push the AUTO button again or change the Mode or blower speed to deactivate Automatic Operation.

NOTE:

- The system will automatically adjust the temperature, mode, and blower speed.
- The temperature can be displayed in U.S. or Metric units by changing the U.S./Metric setting within Uconnect Setting.
- On vehicle start, the blower fan will remain on low until the engine warms up. It will then transition into Auto mode.

Windshield Wiper De-Icer — If Equipped

The Windshield Wiper De-Icer is a heating element located at the base of the windshield. It operates automatically when the following conditions are met:

- **Activation By Front Defrost**

  Activates automatically during a cold weather manual start with full defrost and when the ambient temperature is below 33°F (0.6°C).

- **Activation By Rear Defrost**

  Activates automatically when the Rear Defrost is operating and the ambient temperature is below 33°F (0.6°C).

- **Activation By Remote Start Operation**

  Activates automatically when Remote Start is activated and the outside ambient temperature is below 33°F (0.6°C). Exiting Remote Start resumes the previous operation.

TROUBLESHOOTING

Operating Tips

CAUTION!
Interior air enters the Rear Climate Control system through an intake grille, located in the right side trim panel behind the third row seats. The heater outlets are located in the right side trim panel, just behind the rear doors. Do not block or place objects directly in front of the inlet grille or heater outlets. The electrical system could overload causing damage to the blower motor.

OPERATING TIPS CHART

Weather	Control Settings
All Conditions	Select AUTO (Auto) for optimal HVAC performance.
Hot Weather & Vehicle Interior Is Very Hot	Select MAX A/C (Max A/C). Roll down the windows to remove hot air and adjust settings as needed.
Warm Weather	Turn A/C (A/C) on and select (Panel Mode).
Cool Sunny	Select (Bi-Level Mode).
Cool & Humid Conditions	Select (Mix Mode) and turn A/C (A/C) on to keep windows clear.
Cold Weather	Select (Floor Mode). If windshield fogs, select (Mix Mode).
Wet Conditions (Rain/Sleet/Snow)	Select MAX (Max Defrost) to clear window fogging.

Stop/Start System — If Equipped

While in an Autostop, the Climate Control system may adjust airflow to maintain cabin comfort until the engine runs again.

Summer Operation

Use OAT coolant (conforming to MS.90032) to provide the engine with corrosion protection and to protect against engine overheating.

Winter Operation

For optimum performance, ensure the engine cooling system is functioning properly and the proper amount, type, and concentration of coolant is used. Do not use Air Recirculation during winter months as excessive window fogging may occur.

Window Fogging

When windows fog in mild, rainy, and/or humid weather, select Defrost or Mix mode and increase blower speed. Avoid using the Recirculation mode without A/C as fogging may occur.

Outside Air Intake

Free the air intake, located in front of the windshield, of obstructions. In winter months, clear ice, slush, and snow from the air intake. Leaves or other obstructions may reduce airflow and plug the water drains.

Cabin Air Filter

The Climate Control system filters out dust and pollen. To change the cabin air filter, contact an authorized dealer or, for instructions, go to ⇨ page 253.

INFOTAINMENT

INTRODUCTION

Identifying Your Radio

Your vehicle is equipped with a Uconnect 5/5 NAV With 12-inch Display system. Refer to your Uconnect Radio Instruction Manual for more information.

NOTE:

- Uconnect screen images may not reflect exact software for your vehicle.
- There may be a delay for certain features, such as Android Auto™ and Apple CarPlay®, upon vehicle start-up.



Uconnect 5/5 NAV Display

1 — Home Button
2 — Radio/Media Button
3 — Comfort Button
4 — Navigation Button (If Equipped)
5 — Phone Button
6 — Vehicle Button
7 — Apps Button

Troubleshooting

Push and hold the Power button on the radio's faceplate for a minimum of 15 seconds to reset the radio.

For Uconnect system support:

- Call 1-877-855-8400 (24 hours, 7 days a week).
- Visit DriveUconnect.com (US) or DriveUconnect.ca (Canada).

RADIO OPERATION, MOBILE PHONES, AND CYBERSECURITY

Radio Operation And Mobile Phones

Under certain conditions, the mobile phone being on in your vehicle can cause erratic or noisy performance from your radio. This condition may be lessened or eliminated by repositioning the mobile phone within the vehicle. This condition is not harmful to the radio. If your radio performance does not satisfactorily improve from repositioning the mobile phone, it is recommended that the volume be turned down or off during mobile phone operation when not using the Uconnect system.

Regulatory And Safety Information

US/CANADA

Exposure to Radio Frequency Radiation

The radiated output power of the internal wireless radio is far below the FCC and IC radio frequency exposure limits. Nevertheless, the wireless radio will be used in such a manner that the radio is 8 inches (20 cm) or further from the human body.

The internal wireless radio operates within guidelines found in radio frequency safety standards and recommendations, which reflect the consensus of the scientific community.

The radio manufacturer believes the internal wireless radio is safe for use by consumers. The level of energy emitted is far less than the electromagnetic energy emitted by wireless devices such as mobile phones. However, the use of wireless radios may be restricted in some situations or environments, such as aboard airplanes. If you are unsure of restrictions, you are encouraged to ask for authorization before turning on the wireless radio.

Cybersecurity

Depending on applicability, your vehicle may be able to send or receive information from a wired or wireless network. This information allows systems and features in your vehicle to function properly.

Your vehicle may be equipped with certain security features to reduce the risk of unauthorized and unlawful access to vehicle systems and wireless communications. Vehicle software technology continues to evolve over time and FCA US LLC, working with its suppliers, evaluates and takes appropriate steps as needed. As always, if you experience unusual behavior, contact an authorized dealer immediately or refer to your Radio Instruction Manual for additional contact information.

The risk of unauthorized and unlawful access to your vehicle systems may still exist, even if the most recent version of vehicle software (such as Uconnect software) is installed.

WARNING!

- ONLY insert trusted media devices/components into your vehicle. Media of unknown origin could possibly contain malicious software, and if installed in your vehicle, it may increase the possibility for vehicle systems to be breached.
- As always, if you experience unusual vehicle behavior, contact an authorized dealer immediately.

NOTE:

To help further improve user experience, features, stability, etc., and minimize the potential risk of a security breach, vehicle owners should routinely check www.driveuconnect.com (US Residents) or www.driveuconnect.ca (Canadian Residents) to learn about available Uconnect software updates.

MULTIMEDIA SYSTEMS

Uconnect Voice Recognition — If Equipped

Description

The Uconnect Voice Recognition system uses controls on the steering wheel and the vehicle's built in microphone for hands free voice commands.



Uconnect Voice Command Buttons

1 — Push To Begin A Voice Recognition Session
2 — Push The Hang Up Button To End A Call Currently In Progress

Operation

ACTIVATING THE VOICE RECOGNITION SYSTEM

Push the VR button or say the vehicle's default Wake Up word, "Hey Uconnect". After the beep, speak a command to:

- Change radio stations or media.
- Start or stop navigation.
- Adjust climate controls.
- Start or answer a phone call.
- Send or receive a text message.

Vehicles not equipped with Voice Recognition may still have Voice Recognition buttons that will work with Android Auto™ and Apple CarPlay®. Depending on the device, press and hold the VR button to activate.

The default "Wake Up" word is "Hey, Uconnect". It can be changed in the Uconnect Settings.

Pushing the VR button and saying a Voice Command will interrupt the system and cancel the current voice recognition session. You can also interrupt the system by speaking. This feature, called "barge-in", can be set through the Uconnect Settings.

EXAMPLE VOICE COMMANDS

- "**Cancel**" to stop a current voice session.
- "**Help**" to hear a list of suggested Voice Commands.
- "**Repeat**" to listen to the system prompts again.

- “Set the driver temperature to **[Desired Temperature]** degrees”.
- "Change radio station to **[Desired Radio Station]**".
- "Call **[Contact Name]**".
- "**Navigate** Home".

Troubleshooting

If the Voice Recognition system is struggling to recognize voice commands, try reducing background noise like wind noise or passenger conversations. Make sure you are facing forward while you speak clearly at a normal pace and volume.

Steering Wheel Audio Controls

Description

The Steering Wheel Audio controls are used to control audio volume and change the current track/radio station. The buttons are on the rear of the steering wheel and are rocker-type switches with a center button.

Operation

Use the buttons to control audio functions.



Steering Wheel Audio Controls

RIGHT SWITCH

- Push the top or bottom of the switch to increase or decrease the audio volume.
- Push the center button to switch between the various radio modes (AM/FM/SXM or Media, etc.).

LEFT SWITCH

Radio Operation

- Push the top or bottom of the switch to seek through radio stations.
- Press the center button to tune to the next preset radio station programed to the system.

Media Mode

- Push the top of the switch to seek to next track (AUX/USB/Bluetooth®).
- Push the bottom of the switch to return to the beginning of the current track. If within eight seconds of the current track, pushing the bottom of the switch seeks to the previous track.

Uconnect Settings

Description

The Uconnect Settings menus provide a convenient way to adjust your vehicle settings, such as display and safety settings. The settings are selectable using the touchscreen or the instrument panel buttons and/or knobs.

UCONNECT SETTINGS ON THE TOUCHSCREEN AND FACEPLATE



Uconnect 5 NAV With 12-inch Display

1 — Uconnect Buttons On The Touchscreen
2 — Uconnect Buttons On The Faceplate

Operation

HOW TO CHANGE VEHICLE SETTINGS

Faceplate Controls

- **Scroll/Enter Knob**
  - Turn to scroll through menus and change settings.
  - Push one or more times to select or change a setting.
- **Back Button**
  - Press to exit a Menu or certain setting options.

Touchscreen Buttons

- **Vehicle Button**
  - Press the Vehicle button, then press the Settings tab.
  - Press to exit to the setting screen.
- **Up And Down Arrows/Menu Options**
  - Press to scroll through the setting menus
  - Press the desired menu to enter it, and then press the preferred setting option to select it.
  - Press the Back arrow to return to the setting menus.

NOTE:
A check mark will appear indicating that setting has been selected.

MORE INFORMATION ICON

Located next to certain settings, the More Information Icon (I) provides additional information through a pop-up. For some settings, the setting can be changed from the pop-up. Press the "X" button to close the pop-up.

Setting Menus

DISPLAY

The Display menu contains settings related to the theme, screen brightness, and color of the touchscreen. Measurements and on-screen pop-ups can also be adjusted.

ENTERTAINMENT SCREENS

The Entertainment Screens menu contains settings for vehicle features like radio control and navigation.

PROFILE

The Profile menu provides settings related to the selected Profile. The settings include options to adjust the on-screen language, display, pop-up types, and time format.

SAFETY/ASSISTANCE

The Safety/Assistance menu contains settings related to the vehicle's safety features and will depend on vehicle equipment. The options include braking and collision assist, lane changing assist, and parking assist features.

Some safety settings are in a sub-menu of the Safety/Assistance menu. Select the sub-menu to access those settings.

CLOCK

The Clock menu contains settings to sync the vehicle clock with the GPS, change the clock to a 12 hour or 24 hour format, and adjust the date.

PHONE/BLUETOOTH®

The Phone/Bluetooth® menu contains settings related to Bluetooth® devices paired to the vehicle, activating do not disturb, and enabling the use of two phones with the system. The Device Manager can be accessed from this menu.

VOICE

The Voice menu contains settings related to changing the Voice Recognition system's response voice, changing the vehicle Wake Up word, and the option to interrupt a voice recognition session.

NAVIGATION

The Navigation menu provides settings related to the vehicle's built-in navigation system. For more information on Navigation and settings, refer to your Uconnect Radio Instruction Manual.

TRAILER

The Trailer menu contains settings related to checking trailer lights. Sub-menus can be selected to customize individual trailer settings, such as braking and tire pressure.

CAMERA

The Camera menu contains settings related to camera delay times and the presence of camera guidelines.

MIRRORS & WIPERS

The Mirrors & Wipers menu contains options for automatic wiper activation, when the headlights come on, when wipers are active, and how power mirrors behave.

LIGHTS

The Lights menu contains settings related to interior light brightness, headlight deactivation time, and flashing the lights on vehicle lock.

BRAKES

The Brakes menu contains settings related to activating or deactivating the autopark brake or setting the brakes for vehicle service.

DOORS & LOCKS

The Doors & Locks menu contains settings related to the lights flashing or the horn sounding upon vehicle lock, activation of the passive entry system, and the number of presses on the key fob Unlock button to unlock all the doors.

SEATS & COMFORT

The Seats & Comfort menu contains settings related to the automatic activation of the heated seats or steering wheel.

KEY OFF OPTIONS

The Key Off Options menu contains settings related to headlight deactivation and radio deactivation when the vehicle is shut off.

SUSPENSION

The Suspension menu contains settings related to vehicle ride height, the horn sounding and lights flashing upon vehicle lowering, and the different air suspension modes.

AUDIO

The Audio menu contains settings related to the vehicle's sound system. For more information on audio settings, refer to your Uconnect Radio Instruction Manual.

NOTIFICATIONS

The Notifications menu contains settings related to the notifications for the system, notification sounds, and the type of notifications that will display.

SIRIUSXM® SETUP

The SiriusXM® Setup menu contain settings related to SiriusXM® Satellite Radio, including options to skip specific radio channels and play a favorite songs from the beginning.

ACCESSIBILITY

The Accessibility menu contains a setting for video button readback. When activated, and a button is selected, the system will announce the name of the button, and then once pressed again, the button will perform its action.

SOFTWARE UPDATES

The Software Updates menu contains settings related to updating the Uconnect system through software downloads.

SYSTEM INFORMATION

The System Information menu provides information on Uconnect system versions and licensing.

RESET

The Reset menu contains settings related to resetting the Uconnect system and clearing personal data, resetting settings, and restarting the radio.

Limitations

- Only one touchscreen area may be selected at a time.
- Settings may vary based on vehicle configuration.

3rd Party Apps — If Equipped

Your vehicle may contain 3rd party apps, which can be accessed through the Apps menu.

McIntosh App

DESCRIPTION

McIntosh can enhance the media player and control the playback of audio. It also displays the decibel levels.

OPERATION

On the Apps Menu, select the McIntosh app to open it. To exit the app, select any of the menu bar icons on the touchscreen.

Source	Changes the audio source.
Skip Backward	Press to skip backward. Press and hold to fast rewind.
Play/Pause	Press to play/pause the track.
Skip Forward	Press to skip forward. Press and hold to fast forward.
Repeat	Press to repeat track. Press again to repeat playlist. Press again to turn off (works only with a USB device).
Change Channel Down	Press to change channel down. Press and hold to seek channel down. While using AM/FM, pressing the channel down will change the frequency by 0.1. Pressing and holding in AM/FM will seek channels.
Change Channel Up	Press to change channel up. Press and hold to seek channel up. While using AM/FM, pressing the channel up will change the frequency by 0.1. Pressing and holding in AM/FM will seek channels.
Menu	Press to access McIntosh settings.
About	Press to learn more about McIntosh.
Audio	Press to open the Uconnect Audio Settings menu.

NOTE:
Seek will not work with Bluetooth®.

Day/Night Mode

Press the Menu button. Select Day or Night mode to set as the default. Select “Auto Mode” to automatically switch between modes.

Theater Mode

Press the Menu button. Under “Theater Mode”, select “On” to enlarge the decibel meters.

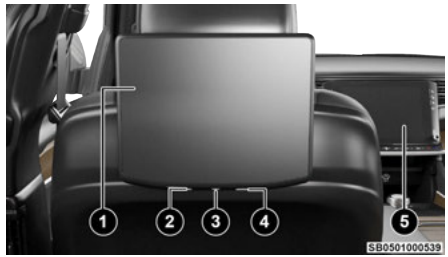
Rear Seat Entertainment (RSE) With Amazon Fire TV Built-In — If Equipped

Description

With Fire TV, you can stream videos, play games, listen to music, get information, and watch downloaded programs from the rear seat screens. Two Voice Remotes are included with the system. With Fire TV, you can:

- Mirror a phone or tablet to Fire TV.
- Stream through Fire TV.
- Listen to audio with headphones (not included).
- Plug devices into the front seat Video USB port.
- Plug video game consoles or devices into the HDMI port.
- Play different content on each rear screen.
- Play the same content on each rear screen.

REAR TOUCHSCREEN FEATURES



Rear Screen Entertainment for Uconnect 5/5 NAV

1 — Rear Seat Entertainment (Rear Touchscreen)
2 — Headphone Jack
3 — USB C Charging Port
4 — HDMI Port
5 — Uconnect System (Front Touchscreen)

Operation

FIRST TIME START UP (USING THE REAR SCREENS)

1. Select a language.
2. Pair the remotes to the system. Two remotes are included to be paired with each rear screen. Perform the pairing steps for each rear screen. If

pairing fails, follow the on-screen instructions to try again.

3. Next, connect to a network from the list. Some options for a network connection are:
   - Wi-Fi Hotspot using a capable smartphone. The hotspot needs to be active on the smartphone.
   - Outside networks like a home Wi-Fi network.
   - In-vehicle Wi-Fi.
4. If available, perform the over-the-air-software update. Use an unlimited Wi-Fi connection, if available, during this update.
5. Select one of the following options and following the on-screen prompts.
   - **I already have an Amazon account:** Sign in with an Amazon account
   - **I am new to Amazon:** Create a new Amazon Account
6. Select to Enable parental controls. If "Enable Parental Control" is selected, follow the steps to finish setup.

ACCESSING REAR SEAT ENTERTAINMENT

Front Uconnect Screen

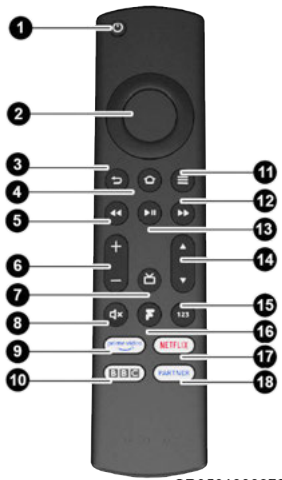
1. Press the Media button.
2. Press the Rear Seat button icon.

Rear Seat Entertainment can also be accessed from the Apps menu.

Rear Screens

- The system will automatically turn on when the vehicle is started.
- Press the On button on the remote if the system was manually turned off.
- Tap the screen or any button on the remote if the system is in screen saver mode.

REAR SEAT ENTERTAINMENT REMOTE



Rear Seat Entertainment Remote

1. **Power Button** — Push to turn the screen on or off.
2. **5-way Navigation Control** — Push to navigate on-screen selections. The center button confirms selections.
3. **Back** — Push to exit menus and return to the previous screen.
4. **Home** — Push to return to the Fire TV Home screen.
5. **Seek Backward/Rewind Button** — Push and hold for fast rewind through the current audio track or video chapter or press once to revert to the previous track.
6. **Volume** — Push the - button to decrease the volume, and + button to increase the volume.
7. **Channel Guide** — Push to access the channel guide for the system.
8. **Mute** — Push to Mute headphones.
9. **Prime Video** — Push to launch Prime Video app.
10. **App 1** — Push to launch App 1.
11. **Menu** — Push to access the Fire TV menu.
12. **Seek Forward Button** — Push and hold to fast forward through the current audio track or video chapter. Push once to skip to the next track.
13. **Play/Pause Button** ⏯ — Play/resume or pause.
14. **Channel Up/Down** — Push the up or down arrow button to browse channels available in Fire TV.
15. **Recent** — Push to access recently viewed content on Fire TV.

16. **Gear/Settings** — Push to bring up setting options for Fire TV.
17. **App 2** — Push to launch App 2.
18. **Partner/Vehicle Button** — Push to activate the Vehicle menu.

NOTE:

Features and buttons on the remote may differ from image shown.

Alexa Voice Control

Push the Microphone button at the top of the remote to activate Alexa for voice control.

FRONT UCONNECT SCREEN CONTROLS

Front Screen Source Selection

Change inputs for each rear screen by pressing the Rear Seat tab and selecting “Launch Source” on the Screen 1 or Screen 2 tab.

Inputs available are “Fire TV”, “HDMI”, and “USB”.

Streaming Control

Launch Source

Press the Media tab located on the bottom menu bar. Then select the Rear Seat option. Select “Launch Source”, and select “Fire TV Home” under Inputs.

Browse Media

Select “Browse Media” to view the different media options.

- **Fire TV** — “Fire TV” will display streaming options and is selectable on the left slider menu. The most recent selections are under “Recent”.
- **USB Video** — “USB Videos” displays videos loaded onto a connected USB device.
- **USB Music** — “USB Music” displays music loaded onto a connected USB device.

Listen Via Vehicle Speakers

On the Home screen, select the Listen button in the top right corner on either card for Screen 1 or 2. The rear screen audio will play through the vehicle speakers.

REAR SCREEN CONTROLS

Rear Screen Source Selection

Scroll down on the Home screen and select the desired input under “Input”, or select the Brand tab and scroll down to "Inputs".

Quick Menu

Tap the screen, and the Quick Menu will display. Alternatively, push the Gear/Settings button on the Voice Remote with Alexa. The quick menu options are:

- **Power** — Powers the screen off.
- **On-Screen Remote** — Pull up the on-screen remote to use with the system.
- **Back** — Go back a page.
- **Home** — Returns to the Home screen.
- **Gear/Settings** — Access system settings.
- **Vehicle** — Pull up the Vehicle menu to adjust rear climate controls and the Are We There Yet? app.

Are We There Yet?

The “Are We There Yet?” app displays navigation information on an animated screen.

1. Select the Vehicle icon or push the Vehicle button on the remote.
2. Select “Are We There Yet?” near the bottom of the menu.

Navigation information includes:

- Arrival Time
- Time Remaining Until Destination Is Reached
- Distance Remaining

Selectable Options:

- Decrease Timing Between Notifications Button
- Notifications ON/OFF Button
- Increase Timing Between Notifications Button

Streaming Controls

Access streaming options by pressing the “Prime Video”, “App 1”, or “App 2” button on the remote. Selecting one of those buttons will load the home page for that respective streaming service. More streaming options can be selected on the Fire TV home page.

Apps/Games

To access Apps or Games:

1. Select “Find” in the top menu.
2. Select "App Store".
3. Purchase new Apps, or games or select from any Apps or games that have been purchased.

Accessing Media From The USB Ports

Connect a USB device to the front USB port, change the input to USB, and browse the connected device for the desired file. Use the search feature to find your media faster.

Connect Video Game Consoles

Connect the video game console to either of the HDMI ports located behind either of the first row seats. Change the input source to HDMI.



Headphone Jack/HDMI/USB

1 — Headphone Jack (Headphone Output Only)
2 — USB Port (Charge Only)
3 — HDMI Port

NOTE:
Certain high-end video game consoles may exceed the power limit of the vehicle's Power Inverter ⇨ page 91.

Rear Climate Controls

Control rear climate controls through the rear touchscreen ⇨ page 116. Select the Vehicle icon or press the Vehicle button on the remote. Then, select the Rear Climate Controls option.

Icon	Description
ON	Press to turn Rear Climate Controls on.
OFF	Press to turn the Rear Climate Controls off.
SYNC	Pressing to sync both sides of the Rear Climate Controls.
AUTO	Activates Auto Mode and adjusting airflow distribution and fan speed based upon the set temperature.
	Press to increase (red arrow) or decrease (blue arrow) the temperature.
	Air comes from the outlets in the headliner. These outlets can be adjusted to direct the flow of air. Moving the air vanes of the outlets to one side will shut off airflow.
	Cycles through the seven mode combinations: Face, Face/Feet, Feet, Windshield/Feet, Windshield, Windshield/Face, and Windshield/Face/Feet.
	Air comes from the floor outlets.
1,2,3, etc.	Adjust between seven blower speeds. Adjusting the blower will turn off Auto mode.

VIEWING LEGAL & COMPLIANCE INFORMATION

1. Select the Gear/Settings icon on the screen.
2. Select “Settings”.
3. Select “My Fire TV” and then “Legal & Compliance”.

Limitations

USB ports located under the rear screens are charge only.

While multiple headphones can be paired, only one will output audio at a time per screen.

The vehicle must be in an active and usable cellular range. Streaming requires a Wi-Fi connection and registered Amazon account to run Fire TV in the vehicle.

Streaming service subscriptions are not included. Services and features are subject to change or withdrawal at any time, may not be available in all areas and languages, and may require separate subscriptions.

Troubleshooting

PAIRING A REMOTE USING THE REAR SCREENS

If a remote disconnects or a new remote needs to be paired:

1. Install batteries into the remote.
2. Select the Gear/Settings icon on the screen.
3. Select “Settings”.
4. Select “Controllers & Bluetooth® Devices”.
5. Select “Add New Remote”.
6. Follow the on-screen steps to complete pairing.

Alternatively, press and hold the Home button to reconnect a disconnected remote.

NOTE:
The pairing steps will need to be done for each rear screen.

WIRELESS HEADPHONE PAIRING USING THE REAR SCREENS

If the wireless headphone disconnects or needs to be paired:

1. Select the Gear/Settings icon on the screen.
2. Select “Settings”.
3. Select “Controllers & Bluetooth® Devices”.
4. Select “Other Bluetooth® Devices” and follow the on-screen steps.

CHANGING PARENTAL CONTROLS USING THE REAR SCREENS

If you need to change Parental Controls:

1. Select the Gear/Settings icon on the screen.
2. Select “Settings”.
3. Select “Preferences”.
4. Select “Parental Controls”.
5. Turn “Parental Controls” on or off and set up a PIN.

Trailer Tow — If Equipped

Description

Trailer Tow Pages provides trailer settings that can be edited for each unique trailers.

Operation

ACCESSING THE TRAILER TOW PAGES

Press the Vehicle icon on the touchscreen then select “Towing & Trailers” from the Dashboard tab. Select the tabs on the right side of the touchscreen to enter that trailer page.

TRAILER INFO



Trailer Tow Pages Info Tab

The Trailer Info main page displays a trailer’s:

- Tire pressure
- Odometer
- Tow/Haul mode status

The Trailer Info tab displays gauges with trailer information. Press the Up and Down arrows to toggle between gauge.

- Trailer Brake
- Transmission Temperature
- Coolant Temperature
- Oil Temperature
- Oil Pressure
- Battery Voltage

Press the upper right-hand corner of a gauge to display the Gauge Detail View page, which shows gauge

information and a status graph. Select the same icon in the top right to go back.

NOTE:
If any gauge reaches a critical condition, the fill bar, numerical readout, and icon will be displayed in bright red.

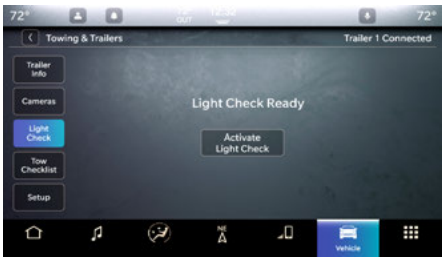
CAMERAS

Select the Camera tab to enter the Trailer tab in the Camera app. Press the More Cams button to return to the previous screen.

The Surround View Camera settings must be enabled to display all camera features page 123.

LIGHT CHECK

Press the “Activate Light Check” button to begin a test of a trailer's brake lights. The test will take about two minutes.



Trailer Tow Pages Light Check Tab

The screen will display “Light Check in Progress”. Press “Cancel Light Check” to cancel the test.

The “Auto Trailer Light Check” in the “Trailer Brake/Trailer” settings will turn on the trailer lights when it is attached to the vehicle page 123.

SETUP

Press "Setup" and select a trailer to be directed to the trailer settings within Uconnect settings. Ensure the "Use this Trailer" setting is selected for the changes to apply page 123.



Trailer Tow Pages Setup Tab

The available settings:

- Trailer Name — Change the trailer name that will display.
- Braking — Change the braking type for the trailer.
- Tow Navigation — Enable navigation settings when a trailer is attached to the vehicle.
- Trailer Reverse Steering — Change the reverse settings for the trailer.

PASSENGER SCREEN — IF EQUIPPED

DESCRIPTION

Your vehicle may be equipped with a Passenger Screen located above the glove compartment on the passenger side of the vehicle. From the Passenger Screen, you will be able to access similar features seen within the Uconnect radio, such as media functions, Rear Seat Entertainment with Amazon FireTV Built-in, Navigation, and device management.



Passenger Screen Location

To begin using the Passenger Screen, push the Power button in the center stack, or press the Power button under the Controls tab within the Uconnect system. The Passenger Screen can be turned off by accessing the Control screen and pressing the Power Off button.

You must link Bluetooth® headphones to the Passenger Screen to begin listening to the system’s audio page 134.

NOTE:

- The Passenger Screen will need to be turned On each time the vehicle is started, and the system will display the Home screen upon boot up.
- Passenger Screen images are for illustration purposes only and may not reflect exact software for your vehicle.

Passenger Screen Permissions

Through the Uconnect system, features within the Passenger Screen can be activated and deactivated through Passenger Screen Permissions. To access Permissions, press the Vehicle button in the Menu Bar and select the Settings tab. Then, press the Passenger Screen settings menu. Press the On button for the Passenger Screen Permission setting to activate permissions.

By default, the Passenger Screen Permissions setting is set to Off, and the driver will need to give permission for the different features.

When Permissions is turned On, you can individually select the permissions for the following:

- Navigation
- Device Manager
- Driver Media
- Rear Seat Entertainment — If Equipped

Passenger Screen Permissions can also be activated through the Controls screen, under the Vehicle button in the Menu Bar. If “Deny Passenger Screen Permissions” is turned On, the setting will switch itself to Off.

Home Screen



Passenger Screen Home Screen

1 — Home Screen Button
2 — Notification Button
3 — Controls Button
4 — Feature Cards

When the Passenger Screen is started up and no other media was running during the last ignition cycle, the Home screen will display. Here, you can select from the features of the Passenger Screen. On the left side of the screen, you can access “Notifications and system Controls”.

The Notifications button (the bell) will take you to the Notification screen, identical to what is seen in the main radio.

You can cycle between the features by swiping left or right on the touchscreen. When accessing a feature, press the Home/Apps button on the left side to access the feature view and select a different feature.

The available features are:

- Audio
- Video & Images
- HDMI
- Rear Seat Entertainment — If Equipped
- Navigation
- Devices
- Cameras

Controls Screen

From the Controls Screen, you can adjust the daytime/nighttime brightness of the screen, change headphone volume, and power off the Passenger Screen.

To change the brightness, adjust the slider up or down, or press the Up or Down Arrow button located next to the slider. “Up” will increase brightness; “Down” will decrease brightness. Daytime and nighttime brightness levels will vary, and the adjustment maximum/minimum will differ depending on the time of day.

To change the headphone volume, adjust the slider up or down, or press the Up or Down Arrow button located next to the slider. “Up” will increase the volume; “Down” will decrease the volume.

NOTE:

Headphone volume can also be manually adjusted from the headphones. Changing the headphone volume manually will not reflect in the headphone volume slider on the Passenger Screen.

If the Screen Off button is pressed, the Passenger Screen will continue to operate, but the screen will go dark. Tap the screen again to return to the display. While the screen is off, audio will continue to play from the Passenger Screen.

The Power Off button will fully shut down the Passenger Screen. No audio or video will play from it.

Audio And Video

Audio allows you to listen to your favorite radio station, a connected USB device, or connected media device. You can directly change the source on the Home screen by pressing the Source button in the feature. You can also expand it by pressing the Full Screen View button.

To change the media source, press the Source button and then press on the desired source. The available sources are:

- Live Radio (FM, AM, SXM)
- Bluetooth®
- USB 1
- USB 2
- AUX
- AV 1 — If Equipped
- AV 2 — If Equipped
- Rear Screen 1 Listen In — If Equipped
- Rear Screen 2 Listen In — If Equipped

NOTE:

- Audio devices connected via Bluetooth® must be done through the Device Manager in the radio. For more information on pairing a device, refer to your Uconnect Radio Instruction Manual.
- If the driver is listening to “Live Radio”, the option will not be available in the Passenger Screen. Select “Now Playing On Radio” to listen to the currently playing station. If the driver selects a radio station while the Passenger Screen is playing live radio content, the feed will end on the Passenger Screen and control will be given to the Uconnect system.

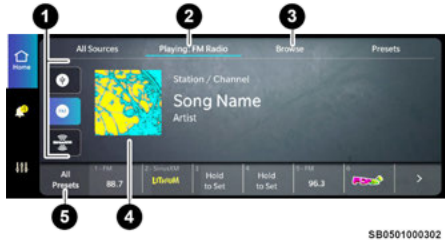
On the Preset menu, you will be able to listen to saved radio presets. Press the desired preset to begin listening.

The Browse tab will let you browse through different radio stations or audio saved onto a USB or audio device. Press “Browse” and select from the different folders. You can scroll up and down to view the options within those folders. Press on the desired radio station or audio track to begin playing it.

When the USB source is selected, you can choose a video file to play if saved to a USB device. Press “Browse” and locate the folder with the video file. Press the video file name, and it will begin to play on the Passenger Screen.

NOTE:

Not all video files will be supported from a USB. Certain video files may require digital rights to view or play. These may be unavailable for playback on the Passenger Screen.



Playing A Video

1 — Source Bar
2 — Now Playing Tab
3 — Browse Button
4 — Currently Playing Audio
5 — Preset Button

Rear Seat Entertainment with Amazon Fire TV Built-In — If Equipped

Rear Seat Entertainment will let you control and listen in to the content being played on the rear entertainment screens. You can view the contents of the rear screens, lock the rear screens, change the source of the rear screens, or turn the rear screens on or off.

You can access the Headphone pairing screen for Passenger Display by pressing the Headphone button of the right side of the screen.

HDMI Projecting

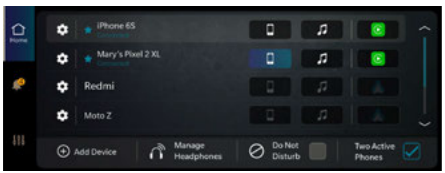
HDMI lets you connect a device to the provided HDMI port, using an HDMI cable, and project the device directly to the Passenger Screen. To begin, plug a a device into the HDMI port. Then, press the HDMI button on the touchscreen.

HDMI will continue to show the menu bar and Headphone Paring button.

NOTE:

- The HDMI Card will not automatically launch when a new device is connected. The HDMI Card will show a device connected, and the Card will need to be pressed.
- If the user disconnects a device from the HDMI port while the HDMI Card is in full screen, the system will close HDMI and reload the Home screen.

Device Manager



Device Manager

Device Manager provides an easy place to view all the devices connected to the Uconnect system and lets you pair the Driver's smartphone to the Uconnect system. You will also pair Bluetooth® headphones to the Passenger Screen from this screen.

For more information on pairing your smartphone, refer to your Uconnect Radio Instruction Manual.

To pair a set of Bluetooth® Headphones:

1. If viewing Device Manager in full screen, press the Add Device button. If viewing Device Manager on the Home screen, press "Pair Bluetooth® headphones".
2. From the pop-up, press "Search For Headphones". The system will begin searching for the Bluetooth® signal of your headphones.
3. Select the name of your headphones from the list of possible devices. The system will connected to the headphones.

NOTE:

The Passenger Screen will connect to previously paired Bluetooth® headphones after Passenger Screen activation.

Removing Bluetooth® Headphones

1. From the Controls screen, press the Manage Headphones button.
2. Press the Settings button (gear icon) next to the set of headphones you wish to remove.
3. Press "Delete Device"; the Bluetooth® headphones will be removed from the system.

Navigation

Navigation allows you to assist the driver in searching for destinations using Uconnect's built-in Navigation system. For information on the full functionality of Navigation, refer to your Uconnect Radio Instruction Manual.

When a new route is selected from the Passenger Screen, a confirmation will be sent to the driver. The driver will be able to confirm or deny the route.

NOTE:

Using Navigation on the Passenger Screen will not affect the Navigation screen in the Uconnect system. The Driver can continue to use Navigation while the Passenger Screen can "suggest" new routes or stops.

Camera

Camera will display the equipped vehicle camera feed. When selected, press the desired Camera button. The feed from that camera will display in the center of the touchscreen. Press the X button or Back Arrow button to return to the Home screen.

NOTE:

The Passenger Screen will lose access to a camera if the driver chooses to view it on the Uconnect system or if a condition would activate the camera on the Uconnect system (the rearview camera being activated when the vehicle is shifted into REVERSE).

OFF-ROAD PAGES

Description

Off-Road Pages provides the vehicle status information while operating on off-road conditions.

Operation

Press the Vehicle Button in the menu bar, and then select "Off Road Pages" under the Dashboard tab.

Off-Road Pages Status Bar

The Off-Road Pages Status Bar is located along the bottom of Off-Road Pages and is present on each of the selectable page options. It provides continually updating information for the following items:

- Current Transfer Case Status
- Current Selec-Terrain mode
- Current Latitude/Longitude
- Current Altitude of the vehicle
- Status of Hill Descent
- Hill Descent Control or Selec-Speed Control Selected Speed in mph (km/h).



Status Bar

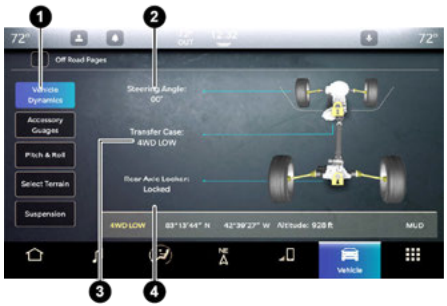
1 — Transfer Case Status
2 — Current Latitude/Longitude
3 — Current Altitude

Vehicle Dynamics

The Vehicle Dynamics page displays information concerning the vehicle's drivetrain.

The following information is displayed:

- Steering angle in degrees
- Status of Transfer Case
- Status of the Rear Axle Locker — If Equipped



Vehicle Dynamics Menu

1 — Vehicle Dynamics
2 — Steering Angle
3 — Transfer Case
4 — Rear Axle Status

Accessory Gauges

The Accessory Gauges page displays the current status of the vehicle's Coolant Temperature, Oil Temperature, Oil Pressure, Transmission Temperature, and Battery Voltage.



Accessory Gauges Menu

1 — Oil Temperature
2 — Coolant Temperature
3 — Oil Pressure
4 — Transmission Temperature
5 — Battery Voltage

Pitch & Roll

The Pitch & Roll page displays the vehicle's current pitch (angle up and down) and roll (angle side to side) in degrees. The Pitch & Roll gauges provide a visualization of the current vehicle angle.



Pitch & Roll Menu

1 — Current Pitch
2 — Current Roll

Selec-Terrain — If Equipped

The Selec-Terrain page displays the current Selec-Terrain Mode through a high resolution image. Adjusting the Selec-Terrain Mode will alter the image on the screen. The vehicle must be in the ON/RUN position to display Selec-Terrain information.

The selectable modes are as follows:

- Rock — Vehicle Must Be In 4WD Low
- Sand/Mud
- Snow
- Auto — Default
- Sport

NOTE:
The Off-Road Pages Status Bar will also display the current Selec-Terrain Mode.

Suspension — If Equipped

The Suspension page displays information concerning the vehicle's suspension.

The following information is displayed:

- Wheel Articulation
- Current Ride Height Status
  - Off-Road 2
  - Off-Road 1
  - Normal
  - Aero
  - Entry/Exit

NOTE:
The wheel articulation will be represented by a yellow color in the Wheel Articulation. If Ride Height is adjusted, the Ride Height indicator on the screen will switch to the appropriate height and the Wheel Articulation will show the movement and change in height.



Suspension Menu

1 — Wheel Articulation
2 — Current Ride Height

Trail Recording — If Equipped

Description

Access Trail Recording via the Vehicle Dashboard screen or within the Off-Road Pages. This feature where will trails or view saved recordings.

Operation

1. Press "Start Recording" to start recording.
2. Press "Stop Recording" to end a recording.
3. Choose to save the recording. Selecting "Cancel" will not save the trail, and the trail will be deleted.

NOTE:
After 30 miles (48 km), a notification will appear on the touchscreen asking if you want to keep recording.

Adding a Waypoint

1. Select “Add Waypoint”.
2. Pin a waypoint on the trail, both during and after the recording.

NOTE:
There are three selectable options to mark a Waypoint:

- Places
- Obstacles
- Guidance

NOTE:
- Waypoints display in chronologically order of when they were added. Press the edit icon on the right of the waypoint name to rename it.
- Waypoints can be placed while the vehicle is in motion, but can only be edited when the vehicle is stationary.

Expand/Collapse View

Press the Expand button to enlarge the Trail Map screen during recordings.

Editing A Trail

After finishing recording a trail, rate the difficulty of the trail for future reference. The scale is from 1-10 with 1 being the easiest and 10 being the most difficult.

NOTE:
Setting the difficulty is not required to save the trail and can be edited afterward.

Editing/Deleting a Waypoint

1. Select the desired Waypoint to edit.
2. Select the type of Waypoint.
3. Select a sub-type that describes the Waypoint. Sub-types are listed in the following table.
4. Press the Save button to finish.

POI	Obstacles	Guidance
Camping	Mud	Bare Left
Scenic View	Rock	Bare Right
Staging Area	Sand	Dead End
Trailhead	Steep Ascent	Hard Left
Water	Steep Descent	Hard Right
	Water	Slow
		Route Closure

To delete the Waypoint, select the desired Waypoint on the map, then press the Delete Waypoint button.

Saved Trails

Click the Saved Recordings button. A list of previously saved trails will display. To delete all trails, select “Delete All”.

NOTE:
Saved recordings can be accessed even once the Brand connect services subscription has expired.

After selecting a saved recording, choose to view, edit, delete, or export the recording onto a USB device. Pressing “View Performance Data” will showcase the vehicle’s pitch, roll, altitude, and location for each selected waypoint. Snapshot will take a screenshot of the performance data that can be exported to a connected USB device.

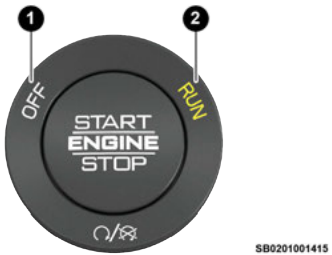
- Select the option to view, edit, delete, or export the recording onto a USB device.
- Select “View Performance Data” to show the vehicle’s pitch, roll, altitude, and location for each selected waypoint.
- Press the Snapshot button to take a screenshot of the performance data.
- Press the Export button and select the USB icon option to save recordings, performance data, and snapshots.

STARTING AND OPERATING

STARTING PROCEDURE

DESCRIPTION

The Start button is located on the instrument panel to the right side of the steering wheel.



1 — OFF
2 — RUN

The Start button has the following positions:

OFF

Use this position to stop the vehicle. Some electric features will be available in this position.

RUN

All electric features are available in this position.

NOTE:

If you open the driver's door with the ignition in the RUN position, a chime will sound and a message will appear in the cluster to remind you to place the ignition in the OFF position.

START

Use this position to start the engine.

OPERATION

Starting The Engine

1. Make sure the key fob or Digital Key is in the passenger compartment.
2. Make sure the vehicle is in PARK (P) or NEUTRAL (N).
3. Press and hold the brake pedal.
4. Press and release the Start button.

The vehicle attempts to start. The starter disengages after 10 seconds if the vehicle fails to start.

NOTE:

The key fob may not be detected by the vehicle if it is next to a mobile phone, laptop or other electronic device. These devices may block the key fob's wireless signal and prevent the vehicle from starting.

Stopping The Engine While the Vehicle is Stationary

1. Shift to PARK.
2. Press and release the Start button.

The Start button returns to the OFF position and the engine stops.

WARNING!

- When exiting the vehicle, always remove the key fob from the ignition and lock your vehicle.
- Never leave children alone in a vehicle, or with access to an unlocked vehicle.
- Allowing children to be in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Children should be warned not to touch the parking brake, brake pedal or the gear selector.
- Do not leave the key fob in or near the vehicle, or in a location accessible to children. A child could operate power windows, other controls, or move the vehicle.
- Do not leave children or animals inside parked vehicles in hot weather. Interior heat buildup may cause serious injury or death.

Stopping The Engine While the Vehicle is Moving

Stopping When the Vehicle Speed is Above 5 mph (8 km/h)

1. Press and hold the Start button for two seconds or press it three times.
2. Bring the vehicle to a stop.
3. Shift to PARK.
4. Press the start button two times.

The Start button returns to the OFF position.

Stopping When the Vehicle Speed is Below 5 mph (8 km/h)

1. Press the Start button.
2. Bring the vehicle to a stop.
3. Shift to PARK.
4. Press the start button two times.

The Start button returns to the OFF position.

WARNING!

- When exiting the vehicle, always remove the key fob from the ignition and lock your vehicle.
- Never leave children alone in a vehicle, or with access to an unlocked vehicle.
- Allowing children to be in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured.

(Continued)

WARNING!

Children should be warned not to touch the parking brake, brake pedal or the gear selector.

- Do not leave the key fob in or near the vehicle, or in a location accessible to children. A child could operate power windows, other controls, or move the vehicle.
- Do not leave children or animals inside parked vehicles in hot weather. Interior heat buildup may cause serious injury or death.

ADDITIONAL FEATURES

AutoPark

AutoPark is a feature to assist with placing the vehicle in PARK (P).

WARNING!

- Driver inattention could lead to failure to place the vehicle in PARK. ALWAYS DO A VISUAL CHECK that your vehicle is in PARK by verifying that a solid (not blinking) "P" is indicated in the instrument cluster display and on the gear selector. If the "P" indicator is blinking, your vehicle is not in PARK. As an added precaution, always apply the parking brake when exiting the vehicle.
- AutoPark is a supplemental feature. It is not designed to replace the need to shift your vehicle into PARK. It is a back-up system and should not be relied upon as the primary method by which the driver shifts the vehicle into PARK.

- **If the vehicle is not in PARK and the driver turns off the engine, the vehicle may AutoPark.**

  The engine will turn off and the ignition will change to the ON/RUN position. After 30 minutes the ignition changes to the OFF position automatically, unless the ignition is manually switched OFF.

  AutoPark will engage when all of these conditions are met:

  - Vehicle is equipped with an 8-speed transmission
  - Vehicle is not in PARK
  - Vehicle speed is 1.2 mph (1.9 km/h) or less
  - Ignition is switched from ON/RUN to OFF

- **If the vehicle is not in PARK and the driver exits the vehicle with the engine running, the vehicle may AutoPark.**

  The message "**AutoPark Engaged Shift To P Then Shift To Gear**" will display in the instrument cluster.

  NOTE:
  In some cases the ParkSense graphic will be displayed in the instrument cluster. In these cases, the gear selector must be returned to "P" to select desired gear.

  AutoPark will engage when all of these conditions are met:

  - Vehicle is equipped with an 8-speed transmission
  - Vehicle is not in PARK
  - Vehicle speed is 1.2 mph (1.9 km/h) or less
  - Driver's seat belt is unbuckled

- Driver's door is ajar
- Brake pedal is not pressed

- **If the driver shifts into PARK while moving, the vehicle may AutoPark.**

  AutoPark will engage **ONLY** when vehicle speed is 1.2 mph (1.9 km/h) or less.

  The message "**Vehicle Speed Is Too High To Shift To P**" will display in the instrument cluster if the vehicle speed is above 1.2 mph (1.9 km/h).

  NOTE:
  If vehicle speed is above 1.2 mph (1.9 km/h), the transmission will default to NEUTRAL until the vehicle speed drops below 1.2 mph (1.9 km/h). A vehicle left in the NEUTRAL position can roll. As an added precaution, always apply the parking brake when exiting the vehicle.

- **4WD LOW — If Equipped**

  AutoPark will display when operating the vehicle in 4WD LOW.

  The message "AutoPark Disabled" will display in the instrument cluster.

  Additional customer warnings are given when both of these conditions are met:

  - Vehicle is not in PARK
  - Driver's door is ajar

  The message "AutoPark Not Engaged" will display in the instrument cluster. A warning chime will continue until you shift the vehicle into PARK or the driver's door is closed.

NOTE:
ALWAYS DO A VISUAL CHECK that your vehicle is in PARK by looking for the "P" in the instrument cluster display and on the gear selector. As an added precaution, always apply the parking brake when exiting the vehicle.

TROUBLESHOOTING

Starting the Engine with a Depleted Key Fob Battery

If the vehicle does not start and the instrument cluster displays a message such as "Key Fob Not Detected", the key fob may have a low or depleted battery.

To start the vehicle in this situation:

1. Make sure the key fob or Digital Key is in the passenger compartment.
2. Make sure the vehicle is in PARK (P) or NEUTRAL (N).
3. Press and hold the brake pedal.
4. Press the Start button with the top of the keyfob.



Starting with Depleted Battery

The vehicle attempts to start. The starter disengages after 10 seconds if the vehicle fails to start.

Clearing a Flooded Engine

1. Make sure the key fob is in the passenger compartment.
2. Make sure the vehicle is in PARK (P) or NEUTRAL (N).
3. Press and hold the accelerator pedal.
4. Press and release the Start button.

The vehicle attempts to clear the flood. The starter disengages after 10 seconds. Wait 15 seconds and then start the vehicle normally.

WARNING!

- Never pour fuel or other flammable liquid into the throttle body air inlet opening in an attempt to start the vehicle. This could result in flash fire causing serious personal injury.

(Continued)

WARNING!

- Do not attempt to push or tow your vehicle to get it started. Vehicles equipped with an automatic transmission cannot be started this way. Unburned fuel could enter the catalytic converter and once the engine has started, ignite and damage the converter and vehicle.
- If the vehicle has a discharged battery, booster cables may be used to obtain a start from a booster battery or the battery in another vehicle. This type of start can be dangerous if done improperly ⇨ page 239.

Starting in Cold Temperatures

Use an engine block heater purchased from an authorized dealer when starting the vehicle in temperatures below –22°F (–30°C).

STOP/START SYSTEM

DESCRIPTION

The Stop/Start system reduces fuel consumption by automatically stopping the engine when the vehicle is stationary.

The Stop/Start switch is located on a switch bank at the front of the center console.



Stop/Start Switch

OPERATION

Autostop Mode

Stop/Start is automatically enabled after the vehicle is started. The Stop/Start Ready indicator will appear in the instrument cluster.

When you bring the vehicle to a stop with the gear selector in a forward gear, the engine will stop. The Stop/Start indicator will appear in the instrument cluster. Releasing the brake pedal or pressing the accelerator will restart the engine and the indicator will disappear.

Turning the Stop/Start System On and Off

Turning the System Off

Press the Stop/Start OFF switch. The switch will illuminate and a message indicaitng the system is off appears in the instrument cluster.

Turning the System On

Press the Stop/Start OFF switch. The switch will extinguish.

NOTE:

The Stop/Start system will turn on every time the ignition is turned ON.

System Malfunction Indicator

A yellow Stop/Start indicator appears in the instrument cluster and a Service Start/Stop System message appears in the instrument cluster when there is a malfunction with the system. Have the system checked by an authorized dealer.

LIMITATIONS

Conditions That Cause the System to Not Autostop

Detailed information about the operation of the Stop/Start system may be viewed in the instrument cluster display Stop/Start Screen.

Before the engine stops, the system will check many safety and comfort conditions to see if they are met.

In the following situations, the engine will not stop:

- Driver's seat belt is not buckled.
- Driver's door is not closed.
- Battery temperature is too warm or cold.
- Battery charge is low.
- The vehicle is on a steep grade.
- Cabin heating or cooling is in process and an acceptable cabin temperature has not been achieved.
- HVAC is set to full defrost mode at a high blower speed.
- HVAC is set to MAX A/C.
- Engine has not reached normal operating temperature.
- The transmission is not in a forward gear.
- Hood is open.
- Vehicle is in 4WD LOW.
- Brake pedal is not pressed with sufficient pressure.
- Accelerator pedal input.
- Engine temperature is too high.
- 5 mph (8 km/h) threshold has not been achieved from previous Autostop.
- Steering angle is beyond threshold.
- A Stop/Start system error occurs.
- Stop/Start OFF switch is pushed.
- Vehicle is in high altitude.

It may be possible for the vehicle to be driven several times without the Stop/Start system going into a Stop/Start Ready state under more extreme conditions of the situations listed.

Conditions That Cause the Engine to Start

- The transmission selector is moved out of DRIVE.
- To maintain cabin temperature comfort.
- HVAC is set to full defrost mode.
- HVAC system temperature or fan speed is manually adjusted.
- Battery voltage drops too low.
- Stop/Start OFF switch is pushed.
- A Stop/Start system error occurs.
- 4WD system is put into 4WD LOW or N (Neutral).
- Steering angle is beyond threshold.

ENGINE BLOCK HEATER — IF EQUIPPED

Description

The engine block heater can be used to warm the engine block and fluids allowing for easier starts in temperatures below –22°F (–30°C).

Operation

Connect the block heater cord to a standard 110-115 Volt AC electrical outlet with a grounded extension cord.

NOTE:
The engine block heater must be plugged in at least one hour to have an adequate warming effect on the engine.

WARNING!
Remember to disconnect the engine block heater cord before driving. Damage to the 110-115 Volt electrical cord could cause electrocution.

BRAKES

Hydraulic Braking System

Description

Your vehicle is equipped with a dual hydraulic brake system. If one of the systems loses normal function, the system will still operate, but overall braking effectiveness will be reduced. If this occurs, you may notice the brake pedal travels farther when pressed, more force is needed to slow or stop the vehicle, and the Brake Warning Light may come on.

If the power assist system fails for any reason, the brakes will still function. However, braking will require much more physical effort than when the power assist system is working.

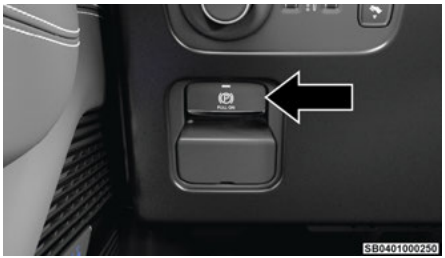
Electric Park Brake (EPB)

Description

The Electric Park Brake (EPB) is intended to prevent the vehicle from rolling while parked. Before leaving the

vehicle, make sure that the parking brake is applied and the transmission is in the PARK position.

The EPB switch is located on the instrument panel to the left of the steering wheel.



EPB Switch

Operation

ENGAGING/DISENGAGING THE EPB WHILE STATIONARY

You can engage the parking brake in two ways:

- Manually, by applying the EPB switch.
- Automatically, by enabling the Auto Park Brake feature in the Uconnect settings.

To apply the parking brake manually, pull up on the switch momentarily.

NOTE:

The parking brake can be applied even when the ignition switch is OFF.

The Brake Warning Light in the instrument cluster and an indicator on the switch will illuminate or extinguish once the parking brake is engaged or disengaged.

To release the parking brake place the ignition switch in the ON/RUN position, then put your foot on the brake pedal and push the EPB switch downward.

NOTE:

- You may hear a sound from the back of the vehicle while the parking brake engages or disengages. If your foot is on the brake pedal while you apply or releasing the parking brake, you may notice a small amount of brake pedal movement.
- When parking on a hill, it is important to turn the front wheels toward the curb on a downhill grade and away from the curb on an uphill grade. Apply the parking brake before placing the gear selector in PARK, otherwise the load on the transmission locking mechanism may make it difficult to move the gear selector out of PARK.

WARNING!

- Never use the PARK position as a substitute for the parking brake. Always apply the parking brake when parked to guard against vehicle movement and possible injury or damage.
- When exiting the vehicle, always turn the ignition off, secure the key fob, and lock your vehicle.
- Never leave children alone in a vehicle, or with access to an unlocked vehicle. Allowing children to be in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Children should be

(Continued)

WARNING!

warned not to touch the parking brake, brake pedal or the gear selector.

- Do not leave the key fob in or near the vehicle, or in a location accessible to children, and do not leave a vehicle equipped with Keyless Enter ‘n Go™ in the ON/RUN position. A child could operate power windows, other controls, or move the vehicle.
- Be sure the parking brake is disengaged before driving; failure to do so can lead to a brake failure and a collision.
- Always apply the parking brake when leaving your vehicle, or it may roll and cause damage or injury. Also be certain to leave the transmission in PARK. Failure to do so may allow the vehicle to roll and cause damage or injury.

CAUTION!

If the Brake System Warning Light remains on with the parking brake released, a brake system malfunction is indicated. Have the brake system serviced by an authorized dealer immediately.

ENGAGING THE EPB WHILE MOVING

If circumstances should make it necessary to engage the parking brake while the vehicle is in motion, maintain upward pressure on the EPB switch for as long as engagement is desired. The Brake Warning Light will illuminate, and a continuous chime will sound. The rear stop lamps will also be illuminated automatically while the vehicle remains in motion.

To disengage the parking brake while the vehicle is in motion, release the switch. If the vehicle is brought to a complete stop using the parking brake, when the vehicle reaches approximately 3 mph (5 km/h), the parking brake will remain engaged.

WARNING!

Driving the vehicle with the parking brake engaged, or repeated use of the parking brake to slow the vehicle, may cause serious damage to the brake system. Be sure the parking brake is fully disengaged before driving; failure to do so can lead to brake failure and a collision.

Additional Features

AUTO PARK BRAKE

The EPB can be programmed to be applied automatically whenever the vehicle is at a standstill and the transmission is placed in PARK. Auto Park Brake is enabled and disabled through the Vehicle Uconnect Settings ⇨ page 123.

Any single Auto Park Brake application can be bypassed by pushing the EPB switch to the release position while the transmission is placed in PARK.

SAFEHOLD

SafeHold is a safety feature of the EPB system that will engage the parking brake automatically if the vehicle is left unsecured while the ignition is in ON/RUN.

The parking brake will automatically engage if all of the following conditions are met:

- The vehicle is at a standstill.
- There is no attempt to press the brake pedal or accelerator pedal.
- The seat belt is unbuckled.
- The driver's door is open.

SafeHold can be temporarily bypassed by pushing the EPB switch while the driver's door is open. Once manually bypassed, SafeHold will be enabled again once the vehicle reaches 12 mph (20 km/h) or the ignition is turned to the OFF position and back to ON again.

AUTO HOLD — IF EQUIPPED

Auto Hold allows the driver to remove their foot from the brake pedal once the vehicle has come to a stop. The vehicle must be held at a standstill for a predetermined amount of time by hydraulic braking. The EPB will then engage and continue to hold the vehicle at a stop until the driver applies the accelerator pedal.

Auto Hold can be activated or deactivated by pushing the AUTO HOLD button located on the switch bank.



AUTO HOLD Switch

The following conditions must be met for Auto Hold to activate:

- Driver's door is closed
- Driver's seat belt is fastened
- Vehicle is at a standstill
- Forward gear is selected
- ACC is not engaged
- EPB is not applied
- ParkSense Active Park Assist System auto parking maneuver is not activated

BRAKE MAINTENANCE MODE

We recommend having your brakes serviced by an authorized dealer. You should only make repairs for which you have the knowledge and the right equipment. You should only enter Brake Maintenance mode during brake service.

When servicing your rear brakes, it may be necessary to push the rear piston into the rear caliper bore. This can only be done after retracting the EPB actuator. Actuator retraction can be done by entering the Brake Maintenance mode through the Uconnect Settings in your vehicle.

Maintenance mode has requirements that must be met in order to be activated:

- The vehicle must be at a standstill.
- The parking brake must not be applied.
- The transmission must be in PARK or NEUTRAL.

While in Maintenance mode, the EPB Warning Light will flash continuously while the ignition is ON.

When brake service work is complete, the following steps must be followed to reset the parking brake system to normal operation:

- Ensure the vehicle is at a standstill.
- Press the brake pedal with moderate force.
- Apply the EPB switch.

WARNING!

You can be badly injured working on or around a motor vehicle. Do only that service work for which you have the knowledge and the right equipment. If you have any doubt about your ability to perform a service job, take your vehicle to a competent mechanic.

Troubleshooting

In the event of a malfunction of the EPB system, a yellow EPB Warning Light will illuminate. This may be accompanied by the Brake Warning Light flashing. In this event, urgent service of the EPB system is required. Do not rely on the parking brake to hold the vehicle stationary.

TRANSMISSIONS

Description

The transmission is controlled using the gear selector located on the center console.



Transmission Gear Selector

Operation

You must press the brake pedal to shift the transmission out of PARK (or NEUTRAL, when the vehicle is stopped or moving at low speeds). Select the DRIVE range for normal driving. To select a gear range, rotate the gear selector.

NOTE:
In the event of a mismatch between the gear selector position and the actual transmission gear (for example, driver selects PARK while driving), the position indicator will blink continuously until the selector is returned to the proper position, or the requested shift can be completed.

The transmission adapts its shift schedule based on driver inputs, along with environmental and road conditions. The transmission is self-calibrating; therefore, the first few shifts on a new vehicle may be somewhat abrupt. This is a normal condition, and precision shifts will develop within a few hundred miles (kilometers).

Only shift from DRIVE to PARK or REVERSE when the accelerator pedal is released and the vehicle is stopped. Be sure to keep your foot on the brake pedal when shifting between these gears.

The gear selector has only PARK, REVERSE, NEUTRAL, and DRIVE positions. Manual downshifts can be made using the Electronic Range Select (ERS) shift control. Pushing the GEAR "-"/GEAR "+" switches (on the steering wheel) while in the DRIVE position will select the highest available transmission gear, and will display that gear limit in the instrument cluster as 1, 2, 3, etc. Some models will display both the selected gear limit, and the actual current gear, while in ERS mode.

Gear Ranges

Do not press the accelerator pedal when shifting from PARK (P) or NEUTRAL (N) into another gear range.

NOTE:
After selecting any gear range, wait a moment to allow the selected gear to engage before accelerating. This is especially important when the engine is cold.

PARK (P)

This range supplements the parking brake by locking the transmission. The engine can be started in this range. Never attempt to use PARK while the vehicle is in motion. Apply the parking brake when exiting the vehicle in this range.

When parking on a hill, apply the parking brake before shifting the transmission to PARK. As an added precaution, turn the front wheels toward the curb on a downhill grade and away from the curb on an uphill grade.

When exiting the vehicle, always:

- Apply the parking brake.
- Shift the transmission into PARK.
- Turn the ignition OFF.
- Remove the key fob from the vehicle.

NOTE:
On four-wheel drive vehicles be sure that the transfer case is in a drive position.

WARNING!

- Never use the PARK (P) position as a substitute for the parking brake. Always apply the parking brake fully when exiting the vehicle to guard against vehicle movement and possible injury or damage.
- Your vehicle could move and injure you and others if it is not in PARK (P). Check by trying to move the transmission gear selector out of PARK with the brake pedal released. Make sure the transmission is in PARK (P) before exiting the vehicle.
- The transmission may not engage PARK (P) if the vehicle is moving. Always bring the vehicle to a complete stop before shifting to PARK, and verify that the transmission gear position indicator solidly indicates PARK (P) without blinking. Ensure that the vehicle is completely stopped, and the PARK position is properly indicated, before exiting the vehicle.
- It is dangerous to shift out of PARK (P) or NEUTRAL (N) if the engine speed is higher than idle speed. If your foot is not firmly pressing the brake pedal,

(Continued)

WARNING!

the vehicle could accelerate quickly forward or in reverse. You could lose control of the vehicle and hit someone or something. Only shift into gear when the engine is idling normally and your foot is firmly pressing the brake pedal.

- Unintended movement of a vehicle could injure those in or near the vehicle. As with all vehicles, you should never exit a vehicle while the engine is running. Before exiting a vehicle, always come to a complete stop, then apply the parking brake, shift the transmission into PARK (P), and turn the ignition OFF. When the ignition is in the OFF position, the transmission is locked in PARK (P), securing the vehicle against unwanted movement.
- When exiting the vehicle, always make sure the ignition is in the OFF position, remove the key fob from the vehicle, and lock the vehicle.
- Never leave children alone in a vehicle, or with access to an unlocked vehicle. Allowing children to be in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Children should be warned not to touch the parking brake, brake pedal or the transmission gear selector.
- Do not leave the key fob in or near the vehicle (or in a location accessible to children), and do not leave the ignition in the ON/RUN position. A child could operate power windows, other controls, or move the vehicle.

CAUTION!

Damage to the transmission may occur if the following precautions are not observed:

- Shift into or out of PARK (P) or REVERSE (R) only after the vehicle has come to a complete stop.
- Do not shift between PARK (P), REVERSE (R), NEUTRAL (N), or DRIVE (D) when the engine is above idle speed.
- Before shifting into any gear, make sure your foot is firmly pressing the brake pedal.

CAUTION!

- Before moving the transmission gear selector out of PARK (P), you must start the engine, and also press the brake pedal. Otherwise, damage to the gear selector could result.
- DO NOT race the engine when shifting from PARK (P) or NEUTRAL (N) into another gear range, as this can damage the drivetrain.

The following indicators should be used to ensure that you have properly engaged the transmission into the PARK position:

- Look at the transmission gear position display and verify that it indicates the PARK position (P), and is not blinking.
- With the brake pedal released, verify that the gear selector will not move out of PARK.

REVERSE (R)

This range is for moving the vehicle backward. Shift into REVERSE only after the vehicle has come to a complete stop.

NEUTRAL (N)

Use this range when the vehicle is standing for prolonged periods with the engine running. Apply the parking brake and shift the transmission into PARK (P) if you must exit the vehicle.

WARNING!

Do not coast in NEUTRAL (N) and never turn off the ignition to coast down a hill. These are unsafe practices that limit your response to changing traffic or road conditions. You might lose control of the vehicle and have a collision.

CAUTION!

Towing the vehicle, coasting, or driving for any other reason with the transmission in NEUTRAL can cause severe transmission damage.

For Recreational Towing see ⇨ page 166.

For Towing A Disabled Vehicle see ⇨ page 242.

DRIVE (D)

This range should be used for most city and highway driving. It provides the smoothest upshifts and downshifts, and the best fuel economy. The transmission automatically upshifts through all forward gears.

When frequent transmission shifting occurs (such as when operating the vehicle under heavy loading conditions, in hilly terrain, traveling into strong head winds, or while towing a heavy trailer), use the Electronic Range Select (ERS) shift control to select a lower gear ⇨ page 148. Under these conditions, using a lower gear will improve performance and extend transmission life by reducing excessive shifting and heat buildup.

During cold temperatures, transmission operation may be modified depending on engine and transmission temperature as well as vehicle speed. This feature improves warm-up time of the engine and transmission to achieve maximum efficiency. Engagement of the torque converter clutch is inhibited until the transmission fluid is warm. Normal operation will resume once the transmission temperature has risen to a suitable level.

Additional Features

Brake Shift Interlock System

This vehicle is equipped with a system that holds the transmission gear selector in PARK (P) unless the brakes are applied. To shift the transmission out of PARK (P), the engine must be running and the brake pedal must be pressed. The brake pedal must also be pressed to shift from NEUTRAL (N) into DRIVE (D) or REVERSE (R) when the vehicle is stopped or moving at low speeds.

Ignition Park Interlock

The Ignition Park Interlock requires the transmission to be in PARK (P) before the ignition can be turned to the OFF position. This helps avoid inadvertently leaving the vehicle without placing the transmission in PARK (P). This also locks the transmission in PARK (P) whenever the ignition is in the OFF position.

NOTE:

The transmission is NOT locked in PARK (P) when the ignition is in the ON/RUN position (even though the engine will be off). Ensure that the transmission is in PARK (P), and the ignition is OFF (not in ON/RUN position) before exiting the vehicle.

When to Use TOW/HAUL Mode

Select TOW/HAUL mode when driving in conditions such as: driving in hilly areas, towing a trailer, carrying a heavy load, etc. This mode will improve performance and reduce the potential for transmission overheating or failure due to excessive shifting.



TOW/HAUL Switch

The TOW/HAUL Indicator Light will illuminate in the instrument cluster to indicate that TOW/HAUL mode has been activated. Pushing the switch a second time restores normal operation. Normal operation is always

5

the default at engine start-up. If TOW/HAUL mode is desired, the switch must be pushed each time the engine is started.

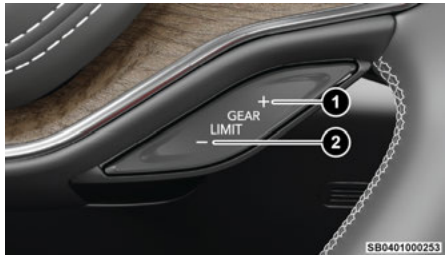
WARNING!

Do not use the "TOW/HAUL" feature when driving in icy or slippery conditions. The increased engine braking can cause the rear wheels to slide, and the vehicle to swing around with the possible loss of vehicle control, which may cause an accident possibly resulting in personal injury or death.

Electronic Range Select (ERS) Operation

The ERS shift control allows the driver to limit the highest available gear when the transmission is in DRIVE and ERS mode is not active. For example, if you set the transmission gear limit to FOURTH gear, the transmission will not shift above FOURTH gear (except to prevent engine overspeed), but will shift through the lower gears normally.

You can switch between DRIVE and ERS mode at any vehicle speed. When the transmission gear selector is in DRIVE, the transmission will operate automatically, shifting between all available gears. Tapping the "-" button (on the steering wheel) will activate ERS mode, display the current gear in the instrument cluster, and set that gear as the top available gear. Once in ERS mode, tapping the "-" or "+" button will change the top available gear.



Electronic Range Select (ERS)

1 — Shift Up "+"
2 — Shift Down "–"

To exit ERS mode, simply push and hold the "+" button until the gear limit display disappears from the instrument cluster.

WARNING!

Do not downshift for additional engine braking on a slippery surface. The drive wheels could lose their grip and the vehicle could skid, causing a collision or personal injury.

Transmission Limp Home Mode

Transmission function is monitored electronically for abnormal conditions. If a condition is detected that could result in transmission damage, Transmission Limp Home mode is activated. In this mode, the transmission may operate only in certain gears, or may not shift at all. Vehicle performance may be severely degraded and the engine may stall. In some situations, the transmission may not re-engage if the engine is turned off and restarted. The Malfunction Indicator Light (MIL) may be illuminated. A message in the instrument cluster will inform the driver of the more serious conditions, and indicate what actions may be necessary.

In the event of a momentary problem, the transmission can be reset to regain all forward gears by performing the following steps:

NOTE:

In cases where the instrument cluster message indicates the transmission may not re-engage after engine shutdown, perform this procedure only in a desired location (preferably, at an authorized dealer).

1. Stop the vehicle.
2. Shift the transmission into PARK (P), if possible. If not, shift the transmission to NEUTRAL (N).
3. Push and hold the ignition switch until the engine turns off.
4. Wait approximately 30 seconds.
5. Restart the engine.
6. Shift into the desired gear range. If the problem is no longer detected, the transmission will return to normal operation.

NOTE:

Even if the transmission can be reset, we recommend that you visit an authorized dealer at your earliest possible convenience. An authorized dealer has diagnostic equipment to assess the condition of your transmission.

If the transmission cannot be reset, authorized dealer service is required.

AIR SUSPENSION — IF EQUIPPED

DESCRIPTION

The Quadra-Lift Air Suspension system provides full-time load leveling capability along with the benefit of vehicle height adjustment by a toggle switch. The vehicle will automatically raise and lower the ride height to adapt to the appropriate driving conditions. At higher speeds, the vehicle will lower to an aerodynamic ride height and when operating in off-road modes (if equipped), the vehicle will raise the ride height accordingly.

OPERATION

Selecting Ride Height

The buttons near the terrain switch in the center console area can be used to set preferred ride height to match the appropriate conditions.



Quadra-Lift Switch

1 — Off-Road 2 Indicator Light (Customer Selectable, 4x4 only)
2 — Off-Road 1 Indicator Light (Customer Selectable, 4x4 only)
3 — Normal Ride Height Indicator Light (Customer Selectable)
4 — Aero Height Indicator Light (Customer Selectable)
5 — Entry/Exit Height Indicator Light (Customer Selectable)
6 — Toggle Switch

- **Normal Ride Height (NRH)** – This is the standard position of the suspension and is meant for normal driving.
- **Off-Road 1 (OR1) (Raises the vehicle approximately 1.2 inches [30 mm])** – This is the primary position for all off-road driving until OR2 is needed. A smoother and more comfortable ride will result. Push the toggle switch forward once from the NRH position while the vehicle speed is below 38 mph (61 km/h). When in the OR1 + Sand mode position, height will be maintained if speed is below 59 mph (95 km/h) and then it will lower to NRH. When in the OR1 position only, if the vehicle speed remains between 40 mph (64 km/h) and 50 mph (80 km/h) for greater than 20 seconds or if the vehicle speed exceeds 50 mph (80 km/h), the vehicle will be automatically lowered to NRH ⇨ page 169. OR1 is unavailable on 4x2 air suspension vehicles.
- **Off-Road 2 (OR2) (Raises the vehicle approximately 2.0 inches [51 mm])** – This position is intended for off-roading use only where maximum ground clearance is required. To enter OR2, push the toggle switch forward twice from the NRH position or once from the OR1 position while vehicle speed is below 20 mph (32 km/h). While in OR2, if the vehicle speed exceeds 25 mph (40 km/h) the vehicle height will be automatically lowered to OR1 ⇨ page 169. OR2 is unavailable on 4x2 air suspension vehicles.
- **Aero Height (Lowers the vehicle approximately -0.6 inches [-15 mm])** – This position provides improved aerodynamics by lowering the vehicle. The vehicle will automatically enter Aero Height when the vehicle speed remains between 62 mph (100 km/h) and 66 mph (106 km/h) for greater than 20 seconds or if the vehicle speed exceeds 66 mph (106 km/h). The vehicle will return to Default Ride Height from Aero Height if the vehicle speed remains between 30 mph (48 km/h) and 35 mph (56 km/h) for greater than 20 seconds or if the vehicle speed falls below 30 mph (48 km/h). The vehicle will enter Aero Height, regardless of vehicle speed if the vehicle is in "SPORT" mode.
- **Entry/Exit Height (Lowers the vehicle approximately -1.6 inches [-40 mm])** – This position lowers the vehicle for easier passenger entry and exit as well

as lowering the rear of the vehicle for easier loading and unloading of cargo. To enter Entry/Exit Height, push the toggle switch down twice from NRH while the vehicle speed is below 6 mph (10 km/h). To exit Entry/Exit Height, push the UP button once while in Entry/Exit Height or drive the vehicle over 4 mph (6 km/h).

NOTE:

Automatic lowering of the vehicle into Entry/Exit Height can be enabled through the Uconnect Touchscreen Radio. If this feature is enabled, the vehicle will only lower if the gear selector is in PARK, the terrain switch is in AUTO, the transfer case is in AUTO and the vehicle level is either in Normal or Aero Height. The vehicle will not automatically lower if the air suspension level is in OR2 or OR1. When towing, the automatic Entry/Exit feature may be disabled through the Uconnect Touchscreen Radio to prevent vehicle and trailer movement when gear selector is moved to PARK.

The Selec-Terrain system will automatically change the vehicle to the proper height based on the position of the Selec-Terrain switch. The height can be changed from the default Selec-Terrain setting by normal use of the air suspension buttons ⇨ page 153.

The system requires that the engine be running for all changes. When lowering the vehicle all of the doors, including the liftgate, must be closed. If a door is opened at any time while the vehicle is lowering the change will not be completed until the open door(s) is/are closed.

The Quadra-Lift Air Suspension system uses a lifting and lowering pattern which keeps the headlights from incorrectly shining into oncoming traffic. When raising the vehicle, the rear of the vehicle will move up first and then the front. When lowering the vehicle, the front will move down first and then the rear.

After the engine is turned off, it may be noticed that the air suspension system operates briefly; this is normal. The system is correcting the position of the vehicle to ensure a proper appearance.

To assist with changing a spare tire, the Quadra-Lift Air Suspension system has a feature which allows the automatic leveling to be disabled ⇨ page 123.

Default Ride Height:

- Select Aero Height or Normal Ride Height as the default for all vehicle speeds and operation. This is the selected height that the suspension will level for speed changes (e.g. raising from Entry/Exit Height at speed, lowering from Off Road Height at speed, etc.).
- Default ride height can be changed by manually adjusting the Quadra-Lift switch to Normal Ride Height or Aero Ride Height and stay in the selected height for 2.5 seconds. It will be stored as the default ride height and the height will be maintained until a new default ride height is selected.

NOTE:

If equipped with a Uconnect Touchscreen Radio, all enabling/disabling of air suspension features must be done through the radio ⇨ page 123.

WARNING!

The air suspension system uses a high pressure volume of air to operate the system. To avoid

(Continued)

WARNING!

personal injury or damage to the system, see an authorized dealer for service.

The indicator lights 1 through 5 will illuminate to show the current position of the vehicle. Flashing indicator lights will show a position which the system is working to achieve. When raising, if multiple indicator lights are flashing while raising, the highest flashing indicator light is the position the system is working to achieve. When lowering, if multiple indicators are flashing while lowering the lowest solid indicator light is the position the system is working to achieve.

Toggling up once moves the suspension one position higher from the current position, assuming all conditions are met (i.e., engine running, speed below threshold, etc.). Toggle up can be pushed multiple times. Each toggle up will raise the requested level by one position up to a maximum position of OR2 or the highest position allowed based on current conditions (i.e., vehicle speed, etc.).

Toggling down once moves the suspension one position lower from the current level, assuming all conditions are met (i.e., engine running, doors closed, speed below threshold, etc.). Toggle down can be pushed multiple times. Each toggle down will lower the requested level by one position down to a minimum of Park mode or the lowest position allowed based on current conditions (i.e., vehicle speed, etc.)

Automatic height changes will occur based on vehicle speed and the current vehicle height. The indicator lights and instrument cluster display messages will operate the same for automatic changes and user requested changes.

- Off-Road 2 (OR2) – Indicator lights 1 through 5 will be illuminated.
- Off-Road 1 (OR1) – Indicator lights 2 through 5 will be illuminated.
- Normal Ride Height (NRH) – Indicator lights 3 through 5 will be illuminated.
- Aero Height – Indicator lights 4 and 5 will be illuminated.
- Entry/Exit Height – Indicator light 5 will be illuminated.
- Transport Mode – No indicator lights will be illuminated. Driving or deselecting the mode in the Uconnect system will disable Transport mode.
- Tire/Jack Mode – Indicator lights 1 and 5 will be illuminated. Driving or deselecting the mode in the Uconnect system will disable Tire/Jack mode.
- Wheel Alignment Mode – Indicator lights 4 and 5 will be illuminated. Driving or deselecting the mode in the Uconnect system will disable Wheel Alignment mode.

Air Suspension Modes

The Air Suspension system has multiple modes to protect the system in unique situations:

Tire/Jack Mode

To assist with changing a spare tire, the air suspension system has a feature which allows the automatic leveling to be disabled ⇨ page 123. Tire/Jack mode is used for connecting a trailer with a weight-distributing hitch ⇨ page 156.

NOTE:
This mode is intended to be enabled with the engine running.

Auto Entry/Exit Mode

To assist with entering and exiting the vehicle, the air suspension system has a feature which automatically lowers the vehicle to Entry/Exit Height ⇨ page 123.

NOTE:
This mode is intended to be enabled with the engine running. When towing, the automatic Entry/Exit feature may be disabled through the Uconnect Touchscreen Radio to prevent vehicle and trailer movement when the gear selector is moved to PARK.

Transport Mode

To assist with flatbed towing, the air suspension system has a feature which will put the vehicle into Entry/Exit Height and disable the automatic load leveling system ⇨ page 123.

NOTE:
This mode is intended to be enabled with engine running.

Suspension Display Messages Mode

The “Suspension Display Messages” setting allows you to only display suspension warnings instead of all suspension messages (i.e., “Normal Height Achieved”) ⇨ page 123.

NOTE:
This mode is intended to be enabled with the engine running.

Wheel Alignment Mode

Before performing a wheel alignment this mode must be enabled which will move the vehicle to Normal Ride Height and disable the air suspension during the alignment ⇨ page 123.

NOTE:
This mode is intended to be enabled with the engine running.

If equipped with a Uconnect Touchscreen Radio, all enabling/disabling of air suspension features must be done through the radio ⇨ page 123.

Instrument Cluster Display Messages

When the appropriate conditions exist, a message will appear in the instrument cluster ⇨ page 101.

FOUR WHEEL DRIVE — IF EQUIPPED

DESCRIPTION

Quadra-Trac I

The Quadra-Trac I is a single-speed (HI range only) transfer case, which provides convenient full-time four-wheel drive. No driver interaction is required.

The Brake Traction Control (BTC) System, which combines standard ABS and Traction Control provides resistance to any wheel that is slipping to allow additional torque transfer to wheels with traction.

NOTE:
The Quadra-Trac I system is not appropriate for conditions where 4WD LOW range is recommended ⇨ page 169.

Quadra-Trac II

The Quadra-Drive II System features two torque transfer couplings. The couplings include an Electronic Limited-Slip Differential (ELSD) rear axle and the Quadra-Trac II transfer case. The ELSD axle is fully automatic and requires no driver input to operate. Under normal driving conditions, the unit functions as a standard axle, balancing torque evenly between left and right wheels. With a traction difference between left and right wheels, the coupling will sense a speed difference. As one wheel begins to spin faster than the other, torque will automatically transfer from the wheel that has less traction, to the wheel that has traction. While the transfer case and axle coupling differ in design, their operation is similar. Follow the Quadra-Trac II transfer case shifting information, preceding this section, for shifting this system.

The Quadra-Trac II transfer case is fully automatic in the normal driving 4WD HI mode. The Quadra-Trac II transfer case provides three positions:

- 4WD HI
- N (Neutral)
- 4WD LOW

When additional traction is required, the 4WD LOW position can be used for increased torque at the wheels. Driving in the 4WD LOW position on dry, hard-surfaced roads may cause increased tire wear and damage to driveline components.

When operating your vehicle in 4WD LOW, the engine speed is approximately three times that of the 4WD HI position at a given road speed. Take care not to overspeed the engine and do not exceed 25 mph (40 km/h).

Proper operation of four-wheel drive vehicles depends on tires of equal size, type, and circumference on each wheel. Any difference will adversely affect shifting and cause damage to the transfer case.

Because four-wheel drive provides improved traction, there is a tendency to exceed safe turning and stopping speeds. Do not go faster than road conditions permit.

WARNING!

You or others could be injured or killed if you leave the vehicle unattended with the transfer case in the N (Neutral) position without first fully engaging the parking brake. The transfer case N (Neutral) position disengages both the front and rear drive shafts from the powertrain and will allow the vehicle to roll, even if the transmission is in PARK. The parking brake should always be applied when the driver is not in the vehicle.

Operation

4WD HI To 4WD LOW

With the vehicle at speeds of 0 to 3 mph (0 to 5 km/h), the ignition switch in the ON position or the engine running, shift the transmission into NEUTRAL (N), and push and hold the 4WD LOW button once on the transfer case switch until the 4WD LOW indicator light begins to flash in the instrument cluster. The 4WD LOW light will remain on solid when the shift is complete and transmission can be shifted back into gear, Drive (D) or Reverse (R).



4WD LOW Button

NOTE:
If shift conditions/interlocks are not met a message will show on the instrument cluster display with instructions required to complete the shift ⇨ page 101.

4WD LOW To 4WD HI

With the vehicle at speeds of 0 to 3 mph (0 to 5 km/h), the ignition switch in the ON position or the engine running, shift the transmission into NEUTRAL (N), and push the 4WD LOW button once on the transfer case switch until the 4WD LOW indicator light begins to flash in the instrument cluster. The 4WD LOW light will go out when the shift is complete.

NOTE:

- If shift conditions/interlocks are not met a message will show on the instrument cluster display with instructions required to complete the shift ⇨ page 101.
- Shifting into or out of 4WD LOW is possible with the vehicle completely stopped; however, difficulty may occur due to the mating clutch teeth not being properly aligned. Several attempts may be required for clutch teeth alignment and shift completion to occur. The preferred method is with the vehicle rolling 0 to 3 mph (0 to 5 km/h). If the vehicle is moving faster than 3 mph (5 km/h), the transfer case will not allow the shift.

4WD HI

This range is the default operating mode for daily use.

N (NEUTRAL)

This range disengages the driveline from the powertrain. It is used for towing your vehicle behind another vehicle ⇨ page 166.

WARNING!

You or others could be injured or killed if you leave the vehicle unattended with the transfer case in the N (Neutral) position without first fully engaging the parking brake. The transfer case N (Neutral) position disengages both the front and rear drive shafts from the powertrain and will allow the vehicle to roll, even if the transmission is in PARK. The parking brake should always be applied when the driver is not in the vehicle.

4WD LOW

This range is for low speed four-wheel drive. It provides an additional gear reduction which allows for increased torque to be delivered to both the front and rear wheels while providing maximum pulling power for loose, slippery road surfaces. Do not exceed 25 mph (40 km/h).

DRIVE MODES

Select-Terrain — If Equipped

Description

Selec-Terrain combines the capabilities of the vehicle control systems, along with driver input, to provide the best performance for all terrains.



Selec-Terrain

Operation

Tap the toggle up or down to cycle through the positions.

Selec-Terrain consists of the following positions:

- **ROCK** (if equipped) – Off-road calibration is only available in 4WD LOW. The vehicle is raised (if equipped with Air Suspension) for improved ground clearance. Traction-based tuning with improved steerability for use on high traction off-road surfaces. Use for low speed obstacles such as large rocks, deep ruts, etc. If equipped with air suspension, the vehicle level will change to Off-Road 2 (OR2). If the Selec-Terrain switch is in ROCK mode, and the transfer case is switched from 4WD LOW to 4WD HI, the Selec-Terrain system will return to AUTO.
- **SAND/MUD** (if equipped) – Off-road calibration for use on low traction surfaces such as mud or sand. Driveline is maximized for traction. Some binding may be felt on less forgiving surfaces. The electronic brake controls are set to limit traction control management of throttle and wheel spin. If equipped with air suspension, the level will change to Off-Road 1 (OR1).
- **SNOW** – Tuning set for additional stability in inclement weather. Use on and off road on loose traction surfaces such as snow. When in SNOW mode (depending on certain operating conditions), the transmission may use SECOND gear (rather than FIRST gear) during launches, to minimize wheel slippage. If equipped with air suspension, the default ride height for SNOW is Normal Ride Height (NRH).
- **AUTO** – Fully automatic full-time four-wheel drive operation can be used on and off road. Balances traction with seamless steering feel to provide improved handling and acceleration over two-wheel drive vehicles. If equipped with air suspension, the level will change to Normal Ride Height (NRH).

- **SPORT** – This mode alters the transmission's automatic shift schedule for sportier driving. Upshift speeds are increased to make full use of available engine power. Steering efforts are modified for sporty driving. If equipped with air suspension, the level will change to Aero Height.

REFUELING THE VEHICLE

DESCRIPTION

The vehicle is equipped with a push-style fuel filler door that is located on the drivers side of the vehicle.

OPERATION

1. Open the fuel filler door by pushing on the outer edge of the fuel door near the center to unlatch. Then use a finger to rotate the door to the full open position.
2. Insert the fuel nozzle fully into the filler pipe – the nozzle opens and holds the flapper doors while refueling.

   NOTE:

   Only the correct size nozzle opens the latches allowing the flapper doors to open.



Fuel Filler

3. Fill the vehicle with fuel – when the fuel nozzle "clicks" or shuts off the fuel tank is full.
4. Wait five seconds before removing the fuel nozzle to allow fuel to drain from nozzle.
5. Remove the fuel nozzle and close the fuel door. Engage the fuel door latch by pushing on the outer edge near the center.

WARNING!

- Never have any smoking materials lit in or near the vehicle when the fuel door is open or the tank is being filled.
- Never add fuel when the engine is running. This is in violation of most state and federal fire regulations and may cause the Malfunction Indicator Light to turn on.
- A fire may result if fuel is pumped into a portable container that is inside of a vehicle. You could be burned. Always place fuel containers on the ground while filling.

CAUTION!

To avoid fuel spillage and overfilling, do not "top off" the fuel tank after filling.

VEHICLE LOADING

SPECIFICATIONS

Gross Vehicle Weight Rating (GVWR)

The GVWR is the total allowable weight of your vehicle. This includes driver, passengers, cargo and tongue weight. The total load must be limited so that you do not exceed the GVWR.

Payload

The payload of a vehicle is defined as the allowable load weight a vehicle can carry, including the weight of the driver, all passengers and cargo.

Gross Axle Weight Rating (GAWR)

The GAWR is the maximum permissible load on the front and rear axles. The load must be distributed in the cargo area so that the GAWR of each axle is not exceeded.

Each axle GAWR is determined by the components in the system with the lowest load carrying capacity (axle, springs, tires or wheels). Heavier axles, or suspension components sometimes specified by purchasers for increased durability, do not necessarily increase the vehicle's GVWR or GAWR.

Tire Size

The tire size on the Vehicle Certification Label represents the actual tire size on your vehicle. Replacement tires must be equal to the load capacity of this tire size.

Rim Size

This is the rim size that is appropriate for the tire size listed.

Inflation Pressure

This is the cold tire inflation pressure for your vehicle for all loading conditions up to full GAWR.

Curb Weight

The curb weight of a vehicle is defined as the total weight of the vehicle with all fluids, including vehicle fuel, at full capacity conditions, and with no occupants or cargo loaded into the vehicle. The front and rear curb weight values are determined by weighing your vehicle on a commercial scale before any occupants or cargo are added.

Loading

The actual total weight and the weight of the front and rear of your vehicle at the ground can best be determined by weighing it when it is loaded and ready for operation.

The entire vehicle should first be weighed on a commercial scale to ensure that the GVWR has not been exceeded. The weight on the front and rear of the vehicle should then be determined separately to be sure that the load is properly distributed over the front and rear axles. Weighing the vehicle may show that the GAWR of either the front or rear axles has been exceeded but the total load is within the specified GVWR. If so, weight must be shifted from front to rear or rear to front as appropriate until the specified weight limitations are met. Store the heavier items down low and be sure that the weight is distributed equally. Stow all loose items securely before driving.

NOTE:

- Improper weight distributions can have an adverse effect on the way your vehicle steers and handles and the way the brakes operate.
- Air suspension vehicle may limit off-road heights if loaded beyond recommended values for vehicle GVWR and GAWR.

WARNING!
Do not load your vehicle any heavier than the GVWR or the maximum front and rear GAWR. If you do, parts on your vehicle can break, or it can change the way your vehicle handles. This could cause you to lose control. Overloading can shorten the life of your vehicle.

TRAILER TOWING

Description

In this section you will find safety tips and information on limits to the type of towing you can reasonably do with your vehicle. Before towing a trailer, carefully review this information to tow your load as efficiently and safely as possible.

To maintain the New Vehicle Limited Warranty coverage, follow the requirements and recommendations in this manual concerning vehicles used for trailer towing.

Common Towing Definitions

The following trailer towing related definitions will assist you in understanding the following information:

Gross Vehicle Weight Rating (GVWR)

The GVWR is the total allowable weight of your vehicle. This includes driver, passengers, cargo and tongue weight. The total load must be limited so that you do not exceed the GVWR ⇨ page 154.

Gross Trailer Weight (GTW)

The GTW is the weight of the trailer plus the weight of all cargo, consumables and equipment (permanent or temporary) loaded in or on the trailer in its "loaded and ready for operation" condition.

The recommended way to measure GTW is to put your fully loaded trailer on a vehicle scale. The entire weight of the trailer must be supported by the scale.

WARNING!

If the gross trailer weight is 5,000 lb (2,267 kg) or more, it is recommended to use a weight-distributing hitch to ensure stable handling of your vehicle. If you use a standard weight-carrying hitch, you could lose control of your vehicle and cause a collision.

Gross Combination Weight Rating (GCWR)

The GCWR is the total allowable weight of your vehicle and trailer when weighed in combination.

Gross Axle Weight Rating (GAWR)

The GAWR is the maximum capacity of the front and rear axles. Distribute the load over the front and rear axles evenly. Make sure that you do not exceed either front or rear GAWR ⇨ page 154.

WARNING!

It is important that you do not exceed the maximum front or rear GAWR. A dangerous driving condition can result if either rating is exceeded. You could lose control of the vehicle and have a collision.

Tongue Weight (TW)

The TW is the downward force exerted on the hitch ball by the trailer. You must consider this as part of the load on your vehicle.

Trailer Frontal Area

The frontal area is the maximum height multiplied by the maximum width of the front of a trailer.

Trailer Sway Control (TSC)

The TSC can be a mechanical telescoping link that can be installed between the hitch receiver and the trailer tongue that typically provides adjustable friction associated with the telescoping motion to dampen any unwanted trailer swaying motions while traveling.

If equipped, the electronic TSC recognizes a swaying trailer and automatically applies individual wheel brakes and/or reduces engine power to attempt to eliminate the trailer sway.

Weight-Carrying Hitch

A weight-carrying hitch supports the trailer tongue weight, just as if it were luggage located at a hitch ball or some other connecting point of the vehicle. These kinds of hitches are used to tow small and medium sized trailers.

Weight-Distributing Hitch

A Weight-Distributing Hitch system works by applying leverage through spring (load) bars. They are typically used for heavier loads to distribute trailer tongue weight to the tow vehicle's front axle and the trailer axle(s). When used in accordance with the manufacturer's directions, it provides for a more level ride, offering more consistent steering and brake control thereby enhancing towing safety. The addition of a friction/hydraulic sway control also dampens sway caused by traffic and crosswinds and contributes positively to tow vehicle and trailer stability. Trailer sway control and a weight-distributing (load equalizing) hitch are recommended for heavier Tongue Weights (TW) and may be required depending on vehicle and trailer configuration/loading to comply with Gross Axle Weight Rating (GAWR) requirements.

WARNING!

- An improperly adjusted Weight-Distributing Hitch system may reduce handling, stability, braking performance, and could result in a collision.
- Weight-Distributing Hitch systems may not be compatible with surge brake couplers. Consult with your hitch and trailer manufacturer or a reputable Recreational Vehicle dealer for additional information.

RECOMMENDED DISTRIBUTION HITCH ADJUSTMENT — QUADRA-LIFT AIR SUSPENSION EQUIPPED VEHICLES

1. Verify that the vehicle is at the Normal Ride Height.

   NOTE:
   The vehicle must remain in the RUN position with all doors closed while attaching a trailer for proper leveling of the air suspension system.
2. Position the vehicle on a level surface in preparation to connect to the trailer (do not connect the trailer).
3. For vehicles equipped with Quadra-Lift air suspension, use the touchscreen radio settings to enable Tire/Jack mode. Tire/Jack mode will be canceled and the procedure must be restarted

if the vehicle is driven at speeds above 5 mph (8 km/h). When towing, the automatic Entry/Exit feature may be disabled through the Uconnect Touchscreen Radio to prevent vehicle and trailer movement when gear selector is moved to PARK.

4. Measure the height from the top of the front wheel opening on the fender to the ground; this is height H1.



Measuring Height (H)

5. Attach the loaded trailer to the vehicle without the weight distribution bars connected.
6. Measure the height from the top of the front wheel opening on the fender to the ground; this is height H2.
7. Install and adjust the tension in the weight-distributing bars per the manufacturers' recommendations so that the height of the front fender is approximately (H2-H1)/2+H1 (about 1/2 the difference between H2 and H1 above Normal Ride Height [H1]).
8. Use the touchscreen radio settings and switch off Tire/Jack mode. Make sure the vehicle returns to Normal Ride Height. Perform a visual inspection of the trailer and weight-distributing hitch to confirm the manufacturers' recommendations have been met.
9. The vehicle can now be driven.

Measurement Example	Example Height (mm)
H1	925
H2	946
H2-H1	21
(H2-H1)/2	10.5
(H2-H1)/2 + H1	935.5

NOTE:
For all towing conditions, we recommend towing with TOW/HAUL mode engaged (if equipped).

RECOMMENDED DISTRIBUTION HITCH ADJUSTMENT — NON-AIR SUSPENSION EQUIPPED VEHICLES

1. Verify that the vehicle is at the normal ride height.
2. Position the vehicle on a level surface in preparation to connect to the trailer (do not connect the trailer).
3. Measure the height from the top of the front wheel opening on the fender to the ground; this is height H1.



Measuring Height (H)

4. Attach the loaded trailer to the vehicle without the weight distribution bars connected.
5. Ensure the trailer is properly secured to the hitch, including the safety chains, lighting, and trailer brake controls.
6. Cautiously drive the vehicle and trailer at 20-25 mph (30-40 km/h) for approximately 3 miles (5 km) to re-level the suspension.
7. Park the vehicle and trailer on a level surface.
8. Measure the height from the top of the front wheel opening on the fender to the ground; this is height H2.
9. Install and adjust the tension in the weight-distributing bars per the manufacturers' recommendations so that the height of the front fender is approximately (H2-H1)/2+H1 (about 1/2 the difference between H2 and H1 above normal ride height [H1]).
10. Perform a visual inspection of the trailer and weight-distributing hitch to confirm the manufacturers' recommendations have been met.

11. The vehicle can now be driven.

Measurement Example	Example Height (mm)
H1	925
H2	946
H2-H1	21
(H2-H1)/2	10.5
(H2-H1)/2 + H1	935.5

NOTE:
For all towing conditions, we recommend towing with TOW/HAUL mode engaged (if equipped).

Trailer Hitch Classification

The following chart provides the industry standard for the maximum trailer weight a given trailer hitch class can tow and should be used to assist you in selecting the correct trailer hitch for your intended towing condition.

Trailer Hitch Classification Definitions	
Class	**Max. Trailer Hitch Industry Standards**
Class I - Light Duty	2,000 lb (907 kg)
Class II - Medium Duty	3,500 lb (1,587 kg)
Class III - Heavy Duty	6,000 lb (2,722 kg)
Class IV - Extra Heavy Duty	10,000 lb (4,535 kg)
Refer to the “Trailer Towing Weights (Maximum Trailer Weight Ratings)” chart for the Maximum Gross Trailer Weight (GTW) towable for your given drivetrain.	
All trailer hitches should be professionally installed on your vehicle.	

Trailer Towing Weights (Maximum Trailer Weight Ratings)

Wheelbase (in)	Drive System	Engine	Axle Ratio	Frontal Area	Maximum Trailer Weight	Maximum TW
123	2WD	3.0L Standard Output	3.55	55 sq ft (5.11 sq m)	6,150 lb (2,790 kg)	598 lb (271 kg)
123	4WD	3.0L Standard Output	3.55 3.92	55 sq ft (5.11 sq m) 55 sq ft (5.11 sq m)	5,970 lb (2,708 kg) 10,000 lb (4,536 kg)	597 lb (270 kg) 1,000 lb (453 kg)
130	2WD	3.0L Standard Output	3.55	55 sq ft (5.11 sq m)	5,980 lb (2,713 kg)	598 lb (271 kg)
130	4WD	3.0L Standard Output	3.55 3.92	55 sq ft (5.11 sq m) 55 sq ft (5.11 sq m)	5,760 lb (2,613 kg) 9,960 lb (4,518 kg)	576 lb (261 kg) 996 lb (451 kg)

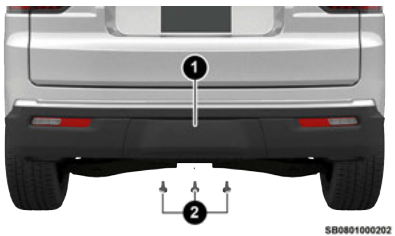
Wheelbase (in)	Drive System	Model	Engine	GVWR	Curb Weight	Payload	Weight Distribution F/R
123	2WD	Grand Wagoneer	3.0L Standard Output	7,300 lbs (3,311 kg)	5,730 lb (2,599 kg)	1,300 lbs (590 kg)	50/50
123	4WD	Grand Wagoneer Limited Summit	3.0L Standard Output	7,500 lbs (3,402 kg) 7,600 lbs (3,447 kg) 7,800 lbs (3,538 kg)	5,940 lbs (2,694 kg) 6,004 lbs (2,723 kg) 6,175 lbs (2,801 kg)	1,300 lbs (590 kg) 1,300 lbs (590 kg) 1,300 lbs (590 kg)	52/48 51/49 52/48
130	2WD	Grand Wagoneer	3.0L Standard Output	7,400 lbs (3,357 kg)	5,980 lb (2,712 kg)	1,300 lbs (590 kg)	51/49

Wheelbase (in)	Drive System	Model	Engine	GVWR	Curb Weight	Payload	Weight Distribution F/R
130	4WD	Grand Wagoneer Limited Summit	3.0L Standard Output	7,700 lbs (3,493 kg) 7,700 lbs (3,493 kg) 7,950 lbs (3,606 kg)	6,185 lbs (2,805 kg) 6,285 lbs (2,856 kg) 6,444 lbs (2,923 kg)	1,300 lbs (590 kg) 1,300 lbs (590 kg) 1,300 lbs (590 kg)	52/48 52/48 52/48

Trailer Hitch Receiver Cover Removal — If Equipped

Your vehicle may be equipped with a trailer hitch receiver cover, this must be removed to access the trailer hitch receiver. This cover is located at the bottom center of the rear fascia/bumper.

1. Turn the three locking retainers located at the bottom of the hitch receiver cover a quarter turn counterclockwise and pull bottom of the hitch receiver cover outward (towards you).
2. Pull the bottom of the cover outward (towards you) then downwards to disengage the tabs located at the top of the hitch receiver cover to remove.



Hitch Receiver Cover

1 — Hitch Receiver Cover
2 — Locking Retainers

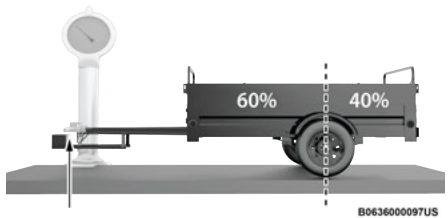
To reinstall the cover after towing repeat the procedure in reverse order.

NOTE:

Be sure to engage all tabs and fully seat the hitch receiver cover in the fascia/bumper prior to installation of the quarter turn fasteners.

Trailer And Tongue Weight

Never exceed the maximum tongue weight stamped on your bumper or trailer hitch.



Weight Distribution

WARNING!

Always load a trailer with 60% of the weight in the front of the trailer. This places 10% of the GTW on the tow hitch of your vehicle. Loads balanced over the wheels or heavier in the rear can cause the trailer to sway severely side to side which will cause loss of control of the vehicle and trailer. Failure to load trailers heavier in front is the cause of many trailer collisions.

Consider the following items when computing the weight on the rear axle of the vehicle:

- The TW of the trailer.
- The weight of any other type of cargo or equipment put in or on your vehicle.
- The weight of the driver and all passengers.

NOTE:

Remember that everything put into or on the trailer adds to the load on your vehicle. Also, additional factory-installed options or authorized dealer-installed options must be considered as part of the total load on your vehicle. Refer to the Tire And Loading Information Placard for the maximum combined weight of occupants and cargo for your vehicle.

Towing Requirements

To promote proper break-in of the new vehicle drivetrain components, the following guidelines are recommended.

CAUTION!

- Do not tow a trailer at all during the first 500 miles (805 km) the new vehicle is driven. The engine, axle or other parts could be damaged.
- Then, during the first 500 miles (805 km) that a trailer is towed, do not drive over 50 mph (80 km/h) and do not make starts at full throttle. This helps the engine and other parts of the vehicle wear in at the heavier loads.

Perform the maintenance listed in the Scheduled Servicing ⇨ page 248. When towing a trailer, never exceed the GAWR or GCWR ratings.

WARNING!

Improper towing can lead to a collision. Follow these guidelines to make your trailer towing as safe as possible:

- Make certain that the load is secured in the trailer and will not shift during travel. When trailering cargo that is not fully secured, dynamic load shifts can occur that may be difficult for the driver to control. You could lose control of your vehicle and have a collision.
- When hauling cargo or towing a trailer, do not overload your vehicle or trailer. Overloading can cause a loss of control, poor performance or damage to brakes, axle, engine, transmission, steering, suspension, chassis structure or tires.
- Safety chains must always be used between your vehicle and trailer. Always connect the chains to

(Continued)

WARNING!

the hook retainers of the vehicle hitch. Cross the chains under the trailer tongue and allow enough slack for turning corners.

- Vehicles with trailers should not be parked on a grade. When parking, apply the parking brake on the tow vehicle. Put the tow vehicle transmission in PARK (P). For four-wheel drive vehicles, make sure the transfer case is not in NEUTRAL (N). Always, block or "chock" the trailer wheels.
- GCWR must not be exceeded.
- **Total weight must be distributed between the tow vehicle and the trailer such that the following four ratings are not exceeded**:
  - GVWR
  - GTW
  - GAWR
  - Tongue weight rating for the trailer hitch utilized

Towing Requirements — Tires

- Do not attempt to tow a trailer while using a compact spare tire.
- Do not drive more than 50 mph (80 km/h) when towing while using a full-size spare tire.
- Proper tire inflation pressures are essential to the safe and satisfactory operation of your vehicle.
- Check the trailer tires for proper tire inflation pressures before trailer usage.
- Check for signs of tire wear or visible tire damage before towing a trailer.

- Replacing tires with a higher load carrying capacity will not increase the vehicle's GVWR and GAWR limits.
- For further information ⇨ page 290.

Towing Requirements — Trailer Brakes

- Do **not** interconnect the hydraulic brake system or vacuum system of your vehicle with that of the trailer. This could cause inadequate braking and possible personal injury.
- An electronically actuated trailer brake controller is required when towing a trailer with electronically actuated brakes. When towing a trailer equipped with a hydraulic surge actuated brake system, an electronic brake controller is not required.
- Trailer brakes are recommended for trailers over 1,000 lb (453 kg) and required for trailers in excess of 2,000 lb (907 kg).

WARNING!

- Do not connect trailer brakes to your vehicle's hydraulic brake lines. It can overload your brake system and cause it to fail. You might not have brakes when you need them and could have an accident.
- Towing any trailer will increase your stopping distance. When towing, you should allow for additional space between your vehicle and the vehicle in front of you. Failure to do so could result in an accident.

CAUTION!

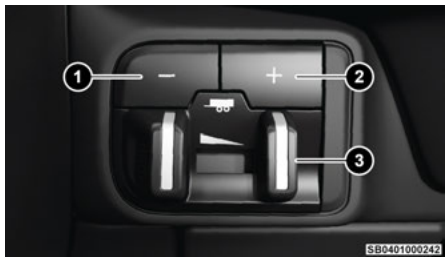
If the trailer weighs more than 1,000 lb (453 kg) loaded, it should have its own brakes and they should be of adequate capacity. Failure to do this could lead to accelerated brake lining wear, higher brake pedal effort, and longer stopping distances.

Integrated Trailer Brake Module (ITBM) — If Equipped

Your vehicle may have an ITBM for Electric and Electric Over Hydraulic (EOH) trailer brakes. The controller is located below the instrument panel on the right side of the steering column.

NOTE:

This module has been designed and verified with electric trailer brakes and EOH systems. Some previous EOH systems may not be compatible with ITBM.



Integrated Trailer Brake Module (ITBM)

1 — GAIN Adjustment Button
2 — GAIN Adjustment Button
3 — Manual Brake Control Lever

The user interface consists of the following:

Manual Brake Control Lever

Slide the manual brake control lever to the left to activate power to the trailer's electric brakes independent of the tow vehicle's brakes. If the manual brake control lever is activated while the brake is also applied, the greater of the two inputs determines the power sent to the trailer brakes.

The trailer and the vehicle's brake lamps will come on when either vehicle braking or manual trailer brakes are applied.

Trailer Brake Status Indicator Light

This light indicates the trailer electrical connection status.

If no electrical connection is detected after the ignition is turned on, pushing the GAIN adjustment button or sliding the manual brake control lever will display the GAIN setting for 10 seconds and the Trailer Brake Status Indicator Light will not be displayed.

If a fault is detected in the trailer wiring or the ITBM, the Trailer Brake Status Indicator Light will flash.

GAIN Adjustment Buttons (+/-)

Pushing these buttons will adjust the brake control power output to the trailer brakes in 0.5 increments. The GAIN setting can be increased to a maximum of 10 or decreased to a minimum of 0 (no trailer braking).

GAIN

The GAIN setting is used to set the trailer brake control for the specific towing condition and should be changed as towing conditions change. Changes to towing conditions include trailer load, vehicle load, road conditions and weather.

Adjusting GAIN

NOTE:
This should only be performed in a traffic free environment at speeds of approximately 20–25 mph (30–40 km/h).

1. Make sure the trailer brakes are in good working condition, functioning normally and properly adjusted. See a trailer dealer if necessary.
2. Hook up the trailer and make the electrical connections according to the trailer manufacturer's instructions.
3. When a trailer with electric/EOH brakes is plugged in, the trailer connected message should appear in the instrument cluster display (if the connection is not recognized by the ITBM, braking functions will not be available), the GAIN setting will illuminate and the correct type of trailer must be selected from the instrument cluster display options.
4. Push the UP or DOWN button on the steering wheel until “TRAILER TOW” appears on the display.
5. Push the RIGHT arrow on the steering wheel to enter “TRAILER TOW”.
6. Push the UP or DOWN buttons until the “Trailer Brake Type” appears on the display.
7. Push the RIGHT arrow and then push the UP or DOWN buttons until the proper Trailer Brake Type appears on the display.
8. In a traffic-free environment, tow the trailer on a dry, level surface at a speed of 20–25 mph (30–40 km/h) and squeeze the manual brake control lever completely.
9. If the trailer wheels lockup (indicated by squealing tires), reduce the GAIN setting; if the trailer wheels turn freely, increase the GAIN setting.

Repeat steps 8 and 9 until the GAIN setting is at a point just below trailer wheel lockup. If towing a heavier trailer, trailer wheel lockup may not be attainable even with the maximum GAIN setting of 10.

Display Messages

The trailer brake control interacts with the instrument cluster display. Display messages, along with a single chime, will be displayed when a malfunction is determined in the trailer connection, trailer brake control, or on the trailer ⇨ page 101.

WARNING!

Connecting a trailer that is not compatible with the ITBM system may result in reduced or complete loss of trailer braking. There may be an increase in stopping distance or trailer instability which could result in personal injury.

CAUTION!

Connecting a trailer that is not compatible with the ITBM system may result in reduced or complete loss of trailer braking. There may be an increase in stopping distance or trailer instability which could result in damage to your vehicle, trailer, or other property.

NOTE:
- An aftermarket controller may be available for use with trailers with air or EOH trailer brake systems. To determine the type of brakes on your trailer and the availability of controllers, check with your trailer manufacturer or dealer.
- Removal of the ITBM will cause errors and it may cause damage to the electrical system and electronic modules of the vehicle. See an authorized dealer if an aftermarket module is to be installed.

Towing Requirements — Trailer Lights And Wiring

Whenever pulling a trailer, regardless of the trailer size, stop lights and turn signals on the trailer are required for motoring safety.

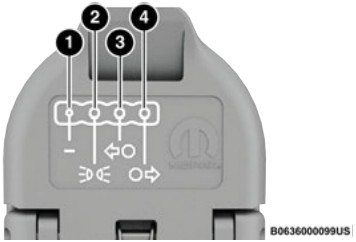
The Trailer Tow Package may include a four- and seven-pin wiring harness. Use a factory approved trailer harness and connector.

NOTE:
Do not cut or splice wiring into the vehicle’s wiring harness.

The electrical connections are all complete to the vehicle but you must mate the harness to a trailer connector. Refer to the following illustrations.

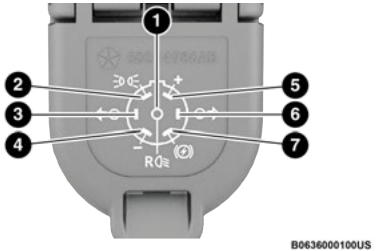
NOTE:

- Disconnect the trailer wiring connector from the vehicle (or any other device plugged into the vehicle's electrical connectors) before launching a boat into water.
- Be sure to reconnect once clear from water area.



Four-Pin Connector

1 — Ground
2 — Park
3 — Left Stop/Turn
4 — Right Stop/Turn



Seven-Pin Connector

1 — Backup Lamps
2 — Park
3 — Left Stop/Turn
4 — Ground
5 — Battery
6 — Right Stop/Turn
7 — Electric Brakes

Pin Number	Function	Wire Color
1	Left Turn Signal	Black/White
2	Rear Fog Light	White
3 [a]	Ground/Common Return for Contacts (Pins) 1 and 2 and 4 to 8	Brown
4	Right Turn Signal	Black/Green

Pin Number	Function	Wire Color
5	Right Rear Position, Side Marker Lights, and Rear Registration Plate Illumination Device. [b]	Green/Red
6	Stop Lights	Black/Red
7	Left Rear Position, Side Marker Lights, and Rear Registration Plate Illumination Device. [b]	Green/Black
8	Reverse Lights	Blue/Red
9	Permanent Power Supply (+12 Volt)	Red
10	Power Supply Controlled by Ignition Switch (+12 Volt)	Yellow
11 [a]	Return for Contact (Pin) 10	Yellow/Brown
12	Reserve for Future Allocation	–
13 [a]	Return for Contact (Pin) 9	Red/Brown
NOTE: The allocation pin 12 has been changed from “Coding for Coupled Trailer” to “Reserve for Future Allocation.”		
[a] The three return circuits shall not be connected electrically in the trailer.		
[b] The rear position registration plate illumination device shall be connected such that no light of the device has a common connection with both pins 5 and 7.		

Towing Tips

Before towing, practice turning, stopping, and backing up the trailer in an area located away from heavy traffic. If equipped with Quadra-Lift air suspension, the automatic Entry/Exit feature may be disabled through the Uconnect Touchscreen Radio to prevent vehicle and trailer movement when gear selector is moved to PARK.

Automatic Transmission

Select the DRIVE (D) range when towing. The transmission controls include a drive strategy to avoid

frequent shifting when towing. However, if frequent shifting does occur while in DRIVE, you can use the Electronic Range Select (ERS) shift control to manually select a lower gear.

NOTE:
Using a lower gear while operating the vehicle under heavy loading conditions, will improve performance and extend transmission life by reducing excessive shifting and heat buildup. This action will also provide better engine braking.

Cruise Control — If Equipped

- Do not use on hilly terrain or with heavy loads.
- When using the Cruise Control, if you experience speed drops greater than 10 mph (16 km/h), disengage until you can get back to cruising speed.
- Use Cruise Control in flat terrain and with light loads to maximize fuel efficiency.

OPERATION

Towing This Vehicle Behind Another Vehicle

Towing Condition	Wheels OFF The Ground	Two-Wheel Drive Models	Four-Wheel Drive Models Without 4WD LOW Range	Four-Wheel Drive Models With 4WD LOW Range
Flat Tow	NONE	NOT ALLOWED	NOT ALLOWED	**See Instructions** • Transmission in PARK • Transfer case in N (Neutral) • Tow in forward direction
Dolly Tow	Front	**NOT ALLOWED**	**NOT ALLOWED**	**NOT ALLOWED**
	Rear	OK	**NOT ALLOWED**	**NOT ALLOWED**
On Trailer	ALL	OK	OK	OK

NOTE:
- When towing your vehicle, always follow applicable state and provincial laws. Contact state and provincial Highway Safety offices for additional details.
- Vehicles equipped with Quadra-Lift must be placed in Transport mode before tying them down (from the body) on a trailer or flatbed truck ⇨ page 149. If the vehicle cannot be placed in Transport mode (for example, engine will not run), tie-downs should be fastened over the tires using specific straps (not to the body). Failure to follow these instructions may cause fault codes to be set and/or cause loss of proper tie-down tension.

RECREATIONAL TOWING

DESCRIPTION

Recreational towing is towing a vehicle (usually a car or SUV) behind another vehicle, like a motorhome or Recreational Vehicle (RV).

Recreational Towing — Two-Wheel Drive Models

DO NOT flat tow this vehicle. Damage to the drivetrain will result.

Recreational towing (for two-wheel drive models) is allowed ONLY if the rear wheels are OFF the ground. This may be accomplished using a tow dolly or vehicle trailer. If using a tow dolly, follow this procedure:

1. Properly secure the dolly to the tow vehicle, following the dolly manufacturer's instructions.

   NOTE:

   If vehicle is equipped with Quadra-Lift air suspension, ensure the vehicle is set to Normal Ride Height.
2. Drive the rear wheels onto the tow dolly.
3. Apply the Electric Park Brake. Shift the transmission into PARK.
4. Turn the ignition OFF.
5. Properly secure the rear wheels to the dolly, following the dolly manufacturer's instructions.
6. Install a suitable clamping device, designed for towing, to secure the front wheels in the straight position.

CAUTION!

Towing with the rear wheels on the ground will cause severe transmission damage. Damage from improper towing is not covered under the New Vehicle Limited Warranty.

Recreational Towing — Quadra-Trac I (Single-Speed Transfer Case) Four-Wheel Drive Models

Recreational towing is not allowed. These models do not have a N (Neutral) position in the transfer case.

NOTE:

This vehicle may be towed on a flatbed or vehicle trailer provided all four wheels are **OFF** the ground.

CAUTION!

Towing this vehicle in violation of the previous requirements can cause severe transmission and/or transfer case damage. Damage from improper towing is not covered under the New Vehicle Limited Warranty.

Recreational Towing — Quadra–Trac II/Quadra–Drive II Four-Wheel Drive Models

The transfer case must be shifted into N (Neutral) and the transmission must be in PARK (P) for recreational towing. The N (Neutral) selection button is located by the selector switch.

CAUTION!

- DO NOT dolly tow any four-wheel drive vehicle. Towing with only one set of wheels on the ground (front or rear) will cause severe transmission and/or transfer case damage. Tow with all four

(Continued)

CAUTION!

wheels either ON the ground, or OFF the ground (using a vehicle trailer).

- Tow only in a forward direction. Towing this vehicle backwards can cause severe damage to the transfer case.
- The transmission must be in PARK for recreational towing.
- Before recreational towing, perform the procedure outlined under "Shifting into N (Neutral)" to be certain that the transfer case is fully in N (Neutral). Otherwise, internal damage will result.
- Towing this vehicle in violation of the previous requirements can cause severe transmission and/or transfer case damage. Damage from improper towing is not covered under the New Vehicle Limited Warranty.
- Do not use a bumper-mounted clamp-on tow bar on your vehicle. The bumper face bar will be damaged.

SHIFTING INTO N (NEUTRAL)

WARNING!

You or others could be injured or killed if you leave the vehicle unattended with the transfer case in the N (Neutral) position without first engaging the parking brake. The transfer case N (Neutral) position disengages both the front and rear driveshafts from the powertrain and will allow the vehicle to roll, even if the transmission is in PARK. The parking brake

(Continued)

WARNING!

should always be applied when the driver is not in the vehicle.

CAUTION!

It is necessary to follow these steps to be certain that the transfer case is fully in N (Neutral) before recreational towing to prevent damage to internal parts.

Use the following procedure to prepare your vehicle for recreational towing:

1. Bring the vehicle to a complete stop on level ground, with the engine running.
2. Press and hold the brake pedal.
3. Shift the transmission into NEUTRAL.
4. If vehicle is equipped with Quadra-Lift air suspension, ensure the vehicle is set to Normal Ride Height.

   NOTE:
   - Steps 1 through 4 are requirements that must be met before pushing the N (Neutral) button, and must continue to be met until the shift has been completed. If any of these requirements are not met before pushing the N (Neutral) button or are no longer met during the shift, then the N (Neutral) indicator light will flash continuously until all requirements are met or until the N (Neutral) button is released.
   - The ignition must be in the ON/RUN position for a shift to take place and for the position indicator lights to be operable. If the ignition is not in the ON/RUN position, the shift will not take place and no position indicator lights will be on or flashing.
   - A flashing N (Neutral) position indicator light indicates that shift requirements have not been met.
   - If the vehicle is equipped with Quadra-Lift air suspension, the engine should be started and left running for a minimum of 60 seconds (with all the doors closed) at least once every 24 hours. This process allows the air suspension to adjust the vehicle's ride height to compensate for temperature effects.
   - Engaging/disengaging of the Electric Park Brake requires the ignition to be in the ON/RUN position.
5. Using a ballpoint pen or similar object, push and hold the recessed transfer case N (Neutral) button (located by the selector switch) for five seconds. The light behind the N symbol will begin to blink red, indicating shift in progress. The light will stop blinking (stay on solid) when the shift to N (Neutral) is complete. A "4WD Neutral Warning Vehicle May Move Even in Park" message will appear in the instrument cluster.



N (Neutral) Button

6. After the shift is completed and the N (Neutral) light stays on, release the N (Neutral) button.
7. Shift the transmission into REVERSE or DRIVE.
8. Release the brake pedal for five seconds and ensure that there is no vehicle movement.
9. Press and hold the brake pedal. Shift the transmission back into NEUTRAL.
10. Apply the Electric Park Brake.
11. With the transmission and transfer case in N (Neutral), push and hold the ENGINE START/STOP button until the engine turns off. Ensure vehicle is in RUN position with the engine off.
12. Place the transmission gear selector in PARK. Release the brake pedal.
13. Attach the vehicle to the tow vehicle using a suitable tow bar.
14. Release the Electric Park Brake. Ensure vehicle is in RUN position with the engine off.

15. Push the ENGINE START/STOP button twice (without pressing the brake pedal), to turn the ignition to the off position.

SHIFTING OUT OF N (NEUTRAL)

Use the following procedure to prepare your vehicle for normal usage:

1. Bring the vehicle to a complete stop, leaving it connected to the tow vehicle.
2. Apply the Electric Park Brake.
3. Start the engine.

NOTE:

- Steps 1 through 5 are requirements that must be met before pushing the N (Neutral) button, and must continue to be met until the shift has been completed. If any of these requirements are not met before pushing the N (Neutral) button or are no longer met during the shift, the N (Neutral) indicator light will flash continuously until all requirements are met or until the N (Neutral) button is released.
- The ignition must be in the ON/RUN position for a shift to take place and for the position indicator lights to be operable. If the ignition is not in the ON/RUN position, the shift will not take place and no position indicator lights will be on or flashing.
- A flashing N (Neutral) position indicator light indicates that shift requirements have not been met.

4. Press and hold the brake pedal.
5. Shift the transmission into NEUTRAL.
6. Using a ballpoint pen or similar object, push and hold the recessed transfer case N (Neutral) button (located by the selector switch) for two seconds.



N (Neutral) Button

7. When the N (Neutral) indicator light turns off, release the N (Neutral) button. After the N (Neutral) button has been released, the transfer case will shift to the position indicated by the selector switch.
8. Shift the transmission into PARK. Turn the engine off.
9. Release the brake pedal.
10. Disconnect vehicle from the tow vehicle.
11. Start the engine.
12. Press and hold the brake pedal.
13. Release the Electric Park Brake.
14. Shift the transmission into REVERSE or DRIVE, release the brake pedal, and check that the vehicle operates normally.

DRIVING TIPS

DESCRIPTION

Utility vehicles have higher ground clearance and a narrower track to make them capable of performing in a wide variety of off-road applications. Specific design characteristics give them a higher center of gravity than conventional passenger cars.

An advantage of the higher ground clearance is a better view of the road, allowing you to anticipate problems. They are not designed for cornering at the same speeds as conventional passenger cars any more than sports cars are designed to perform satisfactorily in off-road conditions. Avoid sharp turns or abrupt maneuvers. Failure to operate this vehicle correctly may result in loss of control or vehicle rollover.

OPERATION

Quadra-Lift — If Equipped

When off-roading, it is recommended that the lowest useable vehicle height that will clear the current obstacle or terrain be selected. The vehicle height should then be raised as required by the changes in terrain.

The Selec-Terrain switch will automatically change the vehicle to the optimized height based on the Selec-Terrain switch position. The vehicle height can be changed from the default height for each Selec-Terrain mode by normal use of the air suspension switches ⇨ page 151.

When To Use 4WD LOW — If Equipped

When off-road driving, shift to 4WD LOW for additional traction. Vehicle speeds in excess of 25 mph (40 km/h) should be avoided when in 4WD LOW. Limit the use of this range to the following situations:

- mud
- sand
- additional low speed pulling power is needed

WARNING!

Do not drive in 4WD LOW on dry pavement; driveline damage may result. 4WD LOW locks front and rear drivelines together and does not allow for differential action between the front to rear driveshafts. Driving in 4WD LOW on pavement will cause driveline binding; use only on wet or slippery surfaces.

Driving Through Water

Although your vehicle is capable of driving through water, there are a number of precautions that must be considered before entering the water.

NOTE:

Your vehicle is capable of water fording in up to 20 inches (51 cm) of water, while crossing small rivers or streams. To maintain optimal performance of your vehicle's heating and ventilation system it is recommended to switch the system into recirculation mode during water fording.

CAUTION!

When driving through water, do not exceed 5 mph (8 km/h). Always check water depth before entering as a precaution, and check all fluids afterward. Driving through water may cause damage that may not be covered by the New Vehicle Limited Warranty.

Driving through water more than a few inches/centimeters deep will require extra caution to ensure safety and prevent damage to your vehicle. If you must drive through water, try to determine the depth, bottom condition and location of any obstacles prior to entering. Proceed with caution and maintain a steady controlled speed less than 5 mph (8 km/h) in deep water to minimize wave effects.

Flowing Water

If the water is swift flowing and rising (as in storm run-off), avoid crossing until the water level recedes and/or the flow rate is reduced. If you must cross flowing water avoid depths in excess of 9 inches (23 cm). The flowing water can erode the streambed, causing your vehicle to sink into deeper water. Determine exit point(s) that are downstream of your entry point to allow for drifting.

Standing Water

Avoid driving in standing water deeper than 24 inches (60 cm), and reduce speed appropriately to minimize wave effects. Maximum speed is 5 mph (8 km/h).

Maintenance

After driving through deep water, inspect your engine, transmission, axle, and transfer case to ensure the fluids have not been contaminated. Contaminated fluid have a milky or foamy appearance and should be flushed/changed as soon as possible to prevent component damage.

Driving In Snow, Mud And Sand

In heavy snow, when pulling a load, or for additional control at slower speeds, shift the transmission to a low gear and shift the transfer case to 4WD LOW if necessary ⇨ page 151. Only shift into a lower gear to maintain forward motion. Over-revving the engine can spin the wheels and traction will be lost.

Avoid abrupt downshifts on icy or slippery roads, because engine braking may cause skidding and loss of control.

Hill Climbing

NOTE:

Before attempting to climb a hill, determine the conditions at the crest and/or on the other side.

Before climbing a steep hill, shift the transmission to a lower gear and shift the transfer case to 4WD LOW. Use FIRST gear and 4WD LOW for very steep hills.

If you stall or begin to lose forward motion while climbing a steep hill, allow your vehicle to come to a stop and immediately apply the brakes. Restart the engine, and shift into REVERSE (R). Back slowly down the hill, allowing the compression braking of the engine to help regulate your speed. If the brakes are required to control vehicle speed, apply them lightly and avoid locking or skidding the tires.

WARNING!

If the engine stalls, you lose forward motion, or cannot make it to the top of a steep hill or grade, never attempt to turn around. To do so may result in tipping and rolling the vehicle. Always back carefully straight down a hill in REVERSE gear. Never back down a hill in NEUTRAL using only the brake.

Remember, never drive diagonally across a hill. Always drive straight up or down.

If the wheels start to slip as you approach the crest of a hill, ease off the accelerator and maintain forward motion by turning the front wheels slowly. This may provide a fresh "bite" into the surface and will usually provide traction to complete the climb.

Traction Downhill

When descending mountains or hills, use Hill Descent Control or Selec-Speed Control to avoid repeated heavy braking.

If not equipped with Hill Descent Control or Selec-Speed Control use the following procedure:

Shift the transmission into a low gear, and the transfer case into 4WD LOW range. Let the vehicle go slowly down the hill with all four wheels turning against engine compression drag. This will permit you to control the vehicle speed and direction.

When descending mountains or hills, repeated braking can cause brake fade with loss of braking control. Avoid repeated heavy braking by downshifting the transmission whenever possible.

After Driving Off-Road

Off-road operation puts more stress on your vehicle than does most on-road driving. After going off-road, it is always a good idea to check for damage. That way you can get any problems taken care of right away and have your vehicle ready when you need it.

- Completely inspect the underbody of your vehicle. Check tires, body structure, steering, suspension, and exhaust system for damage.
- Inspect the radiator for mud and debris and clean as required.
- Check threaded fasteners for looseness, particularly on the chassis, drivetrain components, steering, and suspension. Retighten them, if required, and torque to the values specified in the Service Manual.
- Check for accumulations of plants or brush. These things could be a fire hazard. They might hide damage to fuel lines, brake hoses, axle pinion seals, and propeller shafts.
- After extended operation in mud, sand, water, or similar dirty conditions, have the radiator, fan, brake rotors, wheels, brake linings, and axle yokes inspected and cleaned as soon as possible.

WARNING!

Abrasive material in any part of the brakes may cause excessive wear or unpredictable braking. You might not have full braking power when you need it to prevent a collision. If you have been operating your vehicle in dirty conditions, get your brakes checked and cleaned as necessary.

- If you experience unusual vibration after driving in mud, slush or similar conditions, check the wheels for impacted material. Impacted material can cause a wheel imbalance and freeing the wheels of it will correct the situation.

ENHANCED DRIVING ASSISTANCE SYSTEMS

SENSORS

Rear Seat Reminder Alert (RSRA)

Description

RSRA provides a reminder to check the rear seats for objects, passengers, or pets. The system issues a visual and audible notification to help remind the driver to check the rear seating area before exiting the vehicle.

Operation

The system activates automatically if a rear door is opened within 10 minutes of the ignition being placed in the ON/RUN position.

When the driver places the ignition in the OFF position to exit the vehicle, the instrument cluster display will show the message **"Check Rear Seat"** and an audible alert will sound to remind the driver to check the rear seating area.

The Rear Seat Reminder Alert can be enabled or disabled through the Uconnect settings ⇨ page 123.

Limitations

RSRA should be used only as a reminder to check the rear seats. The system does not detect objects, passengers, or pets and will only activate when the required conditions are met.

WARNING!

- The Rear Seat Reminder Alert is not available when the vehicle is in Storage Mode.
- Make sure to check the rear seats for children and animals before engaging Storage Mode.
- Before exiting a vehicle, always come to a complete stop, then shift the automatic transmission into PARK and apply the parking brake.
- Always make sure the keyless ignition node is in the OFF position, key fob is removed from the vehicle and vehicle is locked.
- Never leave children alone in a vehicle, or with access to an unlocked vehicle. Leaving children in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Children should be warned not to touch the parking brake, brake pedal or the gear selector.
- Do not leave children or animals inside parked vehicles in hot weather. Interior heat buildup may cause serious injury or death.

COLLISION AVOIDANCE ASSISTANCE SYSTEM

Forward Collision Warning (FCW) With Mitigation

Description

The Forward Collision Warning (FCW) with Mitigation system provides audible and visual alerts in the instrument cluster display when a potential frontal collision is detected.

The system may also apply a brief brake jerk to alert the driver. If needed, it can provide limited braking to help reduce the severity of a potential collision.

Operation

FCW monitors data from forward-looking sensors and the Electronic Brake Controller (EBC) to determine the likelihood of a forward collision.

When the system detects a potential collision, it provides progressive alerts:

- Audible warning
- Visual warning in the instrument cluster display
- Brake jerk (may occur)

If the driver does not respond, the system may apply limited automatic braking to help reduce the severity of a potential collision.

If the driver brakes but does not apply enough force, the system may provide additional brake force.

If an FCW event begins below 39 mph (62 km/h), the system may apply partial or maximum braking. If the vehicle is brought to a complete stop, the system will hold the vehicle for two seconds, then release the brakes.

When the system determines that a collision is no longer likely, the warning message will turn off.



FCW Message

NOTE:

- The minimum speed for FCW operation is 3 mph (5 km/h).
- Alerts may occur for objects other than vehicles, such as guardrails or sign posts. This is normal system behavior.
- Do not test the FCW system. After four Active Braking events in one ignition cycle, the Active Braking feature will be disabled until the next ignition cycle.
- The system is intended for on-road use only. If the vehicle is used off-road, the system should be turned off to prevent unnecessary warnings. The system will automatically turn off when the vehicle is in 4WD Low.

WARNING!

Forward Collision Warning (FCW) is not intended to avoid a collision on its own, nor can FCW detect every type of potential collision. The driver has the responsibility to avoid a collision by controlling the vehicle via braking and steering. Failure to follow this warning could lead to serious injury or death.

Settings

FCW Sensitivity and Active Braking can be adjusted through the Uconnect system ⇨ page 123.

The default setting is **"Medium"** sensitivity with **"Warning & Braking"** enabled. This setting provides audible and visual warnings and allows the system to apply automatic braking.

The following sensitivity settings are available:

- **Far**

  Provides warnings at a greater distance. This gives more time to react.

- **Medium** (Default)

  Provides a balanced level of warning distance and response time.

- **Near**

  Provides warnings at a shorter distance. This allows for a more dynamic driving experience with less reaction time.

NOTE:

- The "Far" setting may result in more frequent warnings.
- The "Near" setting may result in fewer warnings.

The following system status settings are also available:

- **Warning & Braking**

  Provides warnings and allows automatic braking.

- **Only Warning**

  Provides audible and visual warnings only. Automatic braking and additional brake support are disabled.

- **Off**

  Disables warnings, automatic braking, and additional brake support.

NOTE:

The system will retain the last setting selected after the ignition is turned off.

Limitations

FCW may not detect or respond to certain objects or driving conditions, including:

- Overhead objects
- Ground reflections
- Objects not in the vehicle path

- Stationary objects that are far away
- Oncoming traffic
- Vehicles traveling at the same or higher speed

FCW may be unavailable under certain conditions and will display unavailable screens similar to Adaptive Cruise Control (ACC).

Troubleshooting

FCW Limited Warning

If the instrument cluster displays **"ACC/FCW Limited Functionality"** or **"ACC/FCW Limited Functionality Clean Front Windshield"** momentarily, a condition may be limiting system performance.

The vehicle can still be driven normally; however, active braking may not be fully available.

When the condition is no longer present, the system will return to full performance. If the message remains, see an authorized dealer.

Service FCW Warning

If the system turns off and the instrument cluster displays:

- **"ACC/FCW Unavailable Service Required"**
- **"Cruise/FCW Unavailable Service Required"**

This indicates an internal system fault.

The vehicle can still be driven normally, but the system should be checked by an authorized dealer.

Pedestrian Cyclist Emergency Braking

Description

Pedestrian Emergency Braking (PEB) is a subsystem of the Forward Collision Warning (FCW) system.

The system provides audible and visual alerts in the instrument cluster display when a potential collision with a pedestrian or cyclist is detected.

The system may also apply limited automatic braking to help reduce the severity of a potential collision.

Operation

If a potential collision with a pedestrian or cyclist is detected, the system provides audible and visual alerts in the instrument cluster display.

If the driver does not respond, the system may apply automatic braking to help reduce the severity of the collision.

If a PEB event begins below 39 mph (62 km/h), the system may apply maximum braking. If the vehicle is brought to a complete stop, the system will hold the vehicle for two seconds, then release the brakes.

When the system determines that a collision is no longer likely, the warning message will turn off.



PEB Message

The minimum speed for PEB operation is 3 mph (5 km/h).

WARNING!
Pedestrian Emergency Braking (PEB) is not intended to avoid a collision on its own, nor can PEB detect every type of potential collision with a pedestrian/ cyclist. The driver has the responsibility to avoid a collision by controlling the vehicle via braking and steering. Failure to follow this warning could lead to serious injury or death.

Settings

Pedestrian Emergency Braking (PEB) can be turned on or off through the Uconnect system ⇨ page 123.

The default setting is **"On."** This allows the system to provide warnings and automatic braking when a potential collision with a pedestrian or cyclist is detected.

To turn the system off:

Push the Pedestrian Emergency Braking button once

To turn the system on:

Push the Pedestrian Emergency Braking button again

When set to **"Off,"** the system will not provide warnings or automatic braking.

NOTE:
The system will retain the last setting selected after the ignition is turned off and will not reset to the default setting when the vehicle is restarted.

INTERSECTION COLLISION ASSIST (ICA) — IF EQUIPPED

Description

ICA uses three front radar sensors located in the front fascia/bumper to detect oncoming vehicles from the front or side when driving through an intersection.

Operation

When the system determines that a collision is probable when turning across oncoming traffic, the system will attempt to mitigate a possible collision by decelerating the vehicle.

When the system determines that a collision with a crossing vehicle is probable, the system may apply additional braking to supplement the driver braking input to attempt to mitigate a possible collision.

The system will also provide audible warnings and visual warnings (shown in the instrument cluster).

If the driver determines acceleration is needed to avoid a collision, when the accelerator is pressed ICA will cancel.

VEHICLE STABILITY ASSISTANCE SYSTEM

Electronic Stability Control (ESC)

ESC helps improve vehicle stability and directional control under various driving conditions.

The system detects when the vehicle begins to oversteer or understeer and applies the brake to individual wheels to help correct the vehicle's path. Engine power may also be reduced to help maintain control.

- **Oversteer:** when the vehicle turns more than intended based on steering input
- **Understeer:** when the vehicle turns less than intended based on steering input

Operation

ESC uses sensors to compare the driver's intended path with the actual path of the vehicle.

If the system detects a difference between the intended and actual path, it applies the brake to individual wheels to help correct oversteer or understeer. Engine power may also be reduced to help maintain control.



When the system is active, the ESC Activation/Malfunction Indicator Light will flash in the instrument cluster. The light may also flash when the Traction Control System (TCS) is active.

If the ESC Activation/Malfunction Indicator Light begins to flash during acceleration, ease up on the accelerator and apply as little throttle as possible. Adapt driving speed to road conditions.

WARNING!

- Electronic Stability Control (ESC) cannot prevent the natural laws of physics from acting on the vehicle, nor can it increase the traction afforded by prevailing road conditions. ESC cannot prevent accidents, including those resulting from excessive speed in turns, driving on very slippery surfaces, or hydroplaning. ESC also cannot prevent accidents resulting from loss of vehicle control due to inappropriate driver input for the conditions. Only a safe, attentive, and skillful driver can prevent accidents. The capabilities of an ESC equipped vehicle must never be exploited in a reckless or dangerous manner which could jeopardize the user's safety or the safety of others.
- Vehicle modifications, or failure to properly maintain your vehicle, may change the handling characteristics of your vehicle, and may negatively affect the performance of the ESC system. Changes to the steering system, suspension, braking system, tire type and size or wheel size may adversely affect ESC performance. Improperly inflated and unevenly worn tires may also degrade

(Continued)

WARNING!

ESC performance. Any vehicle modification or poor vehicle maintenance that reduces the effectiveness of the ESC system can increase the risk of loss of vehicle control, vehicle rollover, personal injury and death.

Settings

The ESC system may have multiple operating modes depending on the vehicle.

ESC On

This is the normal operating mode. The system is automatically in this mode each time the vehicle is started. This mode should be used for most driving conditions.

Partial Off

This mode may be useful if the vehicle becomes stuck. It allows more wheel spin by modifying ESC and Traction Control System (TCS) thresholds.

To enter Partial Off mode:

Press the ESC OFF button

To return to ESC On:

Press the ESC OFF button again

NOTE:

On vehicles with multiple ESC modes, pressing the button will cycle through the available modes. Multiple presses may be required to return to ESC On.

WARNING!

- When in "Partial Off" mode, the TCS functionality of ESC, except for the limited slip feature described in the TCS section, has been disabled and the ESC OFF Indicator Light will be illuminated. When in "Partial Off" mode, the engine power reduction feature of TCS is disabled, and the enhanced vehicle stability offered by the ESC system is reduced.
- Trailer Sway Control (TSC) is disabled when the ESC system is in the "Partial Off" mode.

Limitations

Electronic Stability Control (ESC) cannot overcome the limits of vehicle traction or the laws of physics. The system cannot prevent all accidents or loss of control.

ESC may be less effective in certain conditions, including:

- Excessive speed when turning
- Very slippery road surfaces
- Hydroplaning
- Driver inputs that are not appropriate for road or vehicle conditions

Vehicle modifications or improper maintenance may reduce ESC performance. This includes:

- Changes to the steering, suspension, or braking systems
- Incorrect tire type or size
- Improperly inflated or unevenly worn tires

Troubleshooting

ESC Activation/Malfunction Indicator Light



When the ignition is in the ON/RUN position, the ESC Activation/Malfunction Indicator Light will turn on briefly, then turn off with the engine running.

If the light remains on while driving, a malfunction has been detected in the ESC system. If the light stays on after several ignition cycles and the vehicle has been driven at speeds above 30 mph (48 km/h), have the system checked by an authorized dealer.

If the light begins to flash, the ESC system is actively controlling vehicle stability. The light may also flash when the Traction Control System (TCS) is active.

ESC OFF Indicator Light



The ESC OFF Indicator Light indicates that the system is in a reduced operating mode.

NOTE:

- Both indicator lights will turn on briefly each time the ignition is placed in the ON/RUN position.
- The ESC system will default to ON each time the vehicle is restarted, even if it was previously turned off.
- The system may produce buzzing or clicking sounds when active. This is normal and will stop when the system is no longer active.

Electronic Roll Mitigation (ERM)

ERM helps reduce the chance of wheel lift during sharp or evasive steering maneuvers. The system monitors steering wheel input and vehicle speed.

If ERM detects conditions that could cause wheel lift, it automatically applies brake pressure and may reduce engine power to help maintain vehicle stability.

ERM can only reduce the chance of wheel lift during severe driving maneuvers. It cannot prevent wheel lift caused by other factors such as road conditions, leaving the roadway, or striking objects or other vehicles.

NOTE:
ERM is disabled any time the ESC is in **"Full Off"** mode (if equipped).

WARNING!

Many factors, such as vehicle loading, road conditions and driving conditions, influence the chance that wheel lift or rollover may occur. ERM cannot prevent all wheel lift or rollovers, especially those that involve leaving the roadway or striking objects or other vehicles. The capabilities of an ERM-equipped vehicle must never be exploited in a reckless or dangerous manner which could jeopardize the user's safety or the safety of others.

Traction Control System (TCS)

TCS monitors the amount of wheel spin at each driven wheel. If wheel spin is detected, the system may apply brake pressure to the spinning wheel(s) and/or reduce engine power to provide enhanced acceleration and stability.

A feature of TCS, Brake Limited Differential (BLD), functions similarly to a limited-slip differential and helps control wheel spin across a driven axle. If one wheel on a driven axle begins to spin faster than the other, the system will apply brake pressure to the spinning wheel. This allows more engine power to be transferred to the wheel with traction.

BLD may remain enabled even when the Traction Control System (TCS) and Electronic Stability Control (ESC) are operating in reduced modes.

TCS can be turned on or off through the Radio settings. The system is automatically turned on when the vehicle is started and may also turn on automatically at higher vehicle speeds.

WARNING!

- The TCS cannot prevent the natural laws of physics from acting on the vehicle, nor can it increase the traction afforded.
- The TCS cannot prevent collisions, including those resulting from excessive speed in turns, or hydroplaning.
- The capabilities of a TCS-equipped vehicle must never be exploited in a reckless or dangerous manner, which could jeopardize the user's safety or the safety of others.

Trailer Sway Control (TSC)

Description

TSC uses sensors in the vehicle to detect excessive trailer sway and may apply corrective actions to attempt to reduce trailer sway. When excessive sway is detected, the system may apply the brakes to individual wheels and reduce engine power to help reduce trailer sway.

NOTE:
TSC cannot stop all trailers from swaying. Always use caution when towing a trailer and follow the trailer tongue weight recommendations ⇨ page 155.

Operation

TSC activates automatically when excessive trailer sway is detected.

When the system is operating, the ESC Activation/ Malfunction Indicator Light will flash. Engine power may be reduced and braking may be applied to individual wheels to help reduce trailer sway.

TSC is disabled when the ESC system is in the "Partial Off" mode.

Limitations

WARNING!

If TSC activates while driving, slow the vehicle down, stop at the nearest safe location, and adjust the trailer load to eliminate trailer sway.

BRAKING PERFORMANCE ASSISTANCE SYSTEM

Brake System Warning Light

The red Brake System Warning Light will turn on when the ignition is placed in the ON/RUN mode and may remain on for up to four seconds.

If the Brake System Warning Light remains on or turns on while driving, it indicates that the brake system may not be functioning properly and immediate service is required.

If the Brake System Warning Light does not illuminate when the ignition is placed in the ON/RUN mode, have the light inspected as soon as possible.

Brake Assist System (BAS)

BAS is designed to optimize the vehicle's braking capability during emergency braking maneuvers. The system detects an emergency braking situation by sensing the rate and amount of brake pedal application and then applies optimum brake pressure to help reduce braking distances.

BAS complements the Anti-Lock Brake System (ABS). Applying the brakes quickly results in the best BAS assistance. To receive the benefit of the system, apply continuous brake pedal pressure during the stopping sequence (do not "pump" the brakes). Do not reduce brake pedal pressure unless braking is no longer desired. Once the brake pedal is released, BAS is deactivated.

Limitations

WARNING!

The Brake Assist System (BAS) cannot prevent the natural laws of physics from acting on the vehicle, nor can it increase the traction afforded by prevailing road conditions. BAS cannot prevent collisions, including those resulting from excessive speed in turns, driving on very slippery surfaces, or hydroplaning. The capabilities of a BAS-equipped vehicle must never be exploited in a reckless or dangerous manner, which could jeopardize the user's safety or the safety of others.

Ready Alert Braking (RAB)

Description

RAB may reduce the time required to reach full braking during emergency braking situations.

The system anticipates when an emergency braking situation may occur by monitoring how quickly the driver releases the accelerator pedal. When this occurs, the Electronic Brake Controller (EBC) prepares the brake system for a possible panic stop.

Electronic Brake Force Distribution (EBD)

Description

EBD manages the distribution of braking torque between the front and rear axles by limiting braking pressure applied to the rear axle.

This helps prevent rear wheel slip that could lead to vehicle instability and helps prevent the rear axle from entering Anti-Lock Brake System (ABS) operation before the front axle.

Rain Brake Support (RBS)

Description

RBS may improve braking performance in wet conditions.

The system periodically applies a small amount of brake pressure to help remove water buildup from the front brake rotors.

RBS functions when the windshield wipers are operating in LO or HI speed.

When RBS is active, there is no notification to the driver and no driver interaction is required.

Anti Lock Brake System (ABS)

ABS helps provide increased vehicle stability and braking performance under most braking conditions. The system automatically helps prevent wheel lock and improves vehicle control during braking.

ABS performs a self-check cycle each time the vehicle is started and driven to ensure the system is operating properly. During this self-check, you may hear a slight clicking sound along with related motor noises.

ABS activates during braking when the system detects that one or more wheels are beginning to lock. Road conditions such as ice, snow, gravel, bumps, railroad tracks, loose debris, or panic stops may increase the likelihood of ABS activation.

When ABS activates, you may experience the following normal characteristics:

- ABS motor noise or clicking sounds (you may continue to hear them for a short time after the stop).
- Brake pedal pulsations.
- A slight drop of the brake pedal at the end of the stop.

The ABS is designed to function with Original Equipment Manufacturer (OEM) tires. Modifications may result in degraded ABS performance.

Limitations

WARNING!

- The ABS contains sophisticated electronic equipment that may be susceptible to interference caused by improperly installed or high output radio transmitting equipment. This interference can cause possible loss of anti-lock braking capability. Installation of such equipment should be performed by qualified professionals.
- Pumping of the Anti-Lock Brakes will diminish their effectiveness and may lead to a collision. Pumping makes the stopping distance longer. Just press firmly on your brake pedal when you need to slow down or stop.
- The ABS cannot prevent the natural laws of physics from acting on the vehicle, nor can it increase braking or steering efficiency beyond that

(Continued)

WARNING!

afforded by the condition of the vehicle brakes and tires or the traction afforded.

- The ABS cannot prevent collisions, including those resulting from excessive speed in turns, following another vehicle too closely, or hydroplaning.
- The capabilities of an ABS equipped vehicle must never be exploited in a reckless or dangerous manner that could jeopardize the user's safety or the safety of others.

Anti-Lock Brake System (ABS) Warning Light

The yellow ABS Warning Light will turn on when the ignition is placed in the ON/RUN mode and may remain on for up to four seconds.

If the ABS Warning Light remains on or turns on while driving, it indicates that the anti-lock portion of the brake system is not functioning and service is required. However, the conventional brake system will continue to operate normally even if the ABS Warning Light is on.

If the ABS Warning Light is illuminated, the brake system should be serviced as soon as possible to restore the benefits of the Anti-Lock Brake System.

If the ABS Warning Light does not illuminate when the ignition is placed in the ON/RUN mode, have the light inspected as soon as possible.

VISIBILITY ASSISTANCE SYSTEM

Blind Spot Monitoring

Description

The Blind Spot Monitoring (BSM) system uses two radar sensors, located in the rear fascia/bumper, to detect highway-licensable vehicles (such as automobiles, trucks, and motorcycles) that enter the blind spot zones from the side, rear, or front of the vehicle.

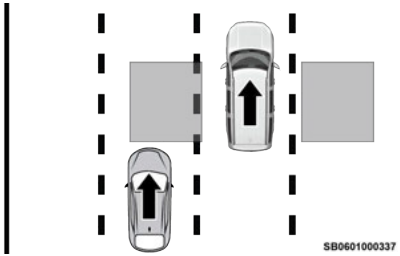


Sensor Location (Left Side Shown)

When the vehicle is started, the BSM Warning Light will momentarily illuminate in both outside rearview mirrors to indicate that the system is operational.

The system sensors operate when the vehicle is in any forward gear.

The BSM detection zone covers approximately one lane in width on both sides of the vehicle (12 ft [3.8 m]). The zone begins near the B-pillar and extends approximately 10 ft (3 m) beyond the rear fascia/bumper of the vehicle.



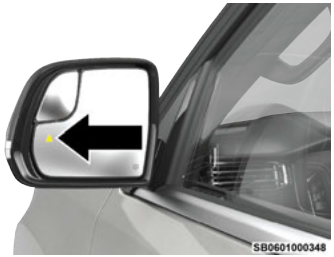
Rear Detection Zones

Operation

The BSM system monitors the detection zones on both sides of the vehicle when the vehicle speed is 7 mph (11 km/h) or higher. When a vehicle is detected in these zones, the system will alert the driver. Alerts may occur earlier for faster-approaching vehicles, up to a relative speed difference of 33 mph (54 km/h).

The system notifies the driver of detected objects by illuminating the BSM Warning Light in the outside mirrors.

If the turn signal is activated while an alert is present on the corresponding side, an audible (chime) alert will sound. During this audible alert, the radio volume will be reduced ⇨ page 123.

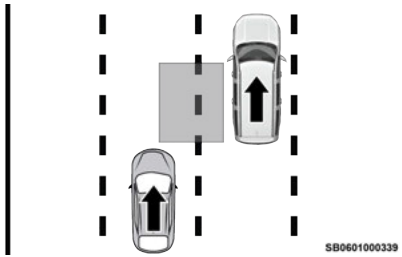


BSM Warning Light

The system monitors three types of zone entries to determine if an alert is necessary:

Entering From The Side

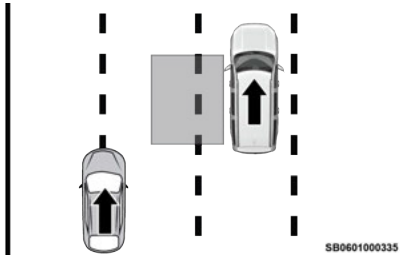
Vehicles that move into an adjacent lane from either side of the vehicle.



Side Monitoring

Entering From The Rear

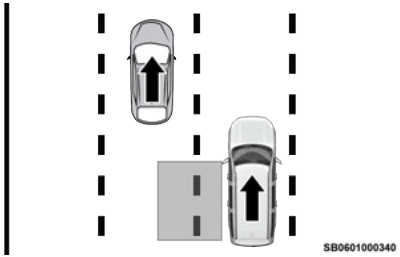
Vehicles that approach from behind on either side and enter the rear detection zone with a relative speed of less than 33 mph (54 km/h). Faster approaching vehicles may be detected earlier based on relative speed.



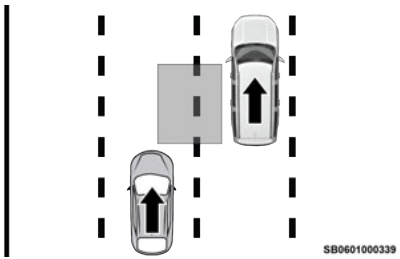
Rear Monitoring

Overtaking Traffic

If your vehicle passes another vehicle slowly with a relative speed of less than 13 mph (24 km/h), the warning light will illuminate. If the difference in speed between the two vehicles is greater than 13 mph (24 km/h), the warning light will not illuminate.



Overtaking/Approaching



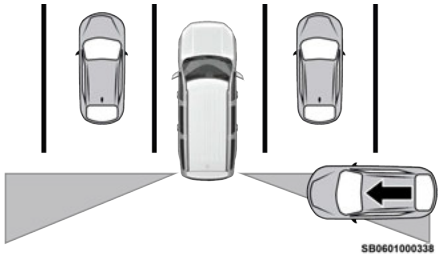
Overtaking/Passing

Rear Cross Path

Rear Cross Path (RCP) is intended to aid the driver when backing out of parking spaces where the view of oncoming vehicles may be obstructed.

Operation

When backing out of a parking space, proceed slowly and cautiously until the rear of the vehicle is exposed. Once the rear of the vehicle is clear, the system can detect cross traffic and will alert the driver if an approaching vehicle is detected.



RCP Detection Zones

RCP monitors the rear detection zones on both sides of the vehicle for objects moving toward the side of the vehicle. The system is designed to detect objects moving at speeds from approximately 5 mph (8 km/h) up to approximately 20 mph (32 km/h), such as in parking lot situations.

When RCP is enabled and the vehicle is in REVERSE, the system provides both visual and audible alerts when a detected object is present. During an audible alert, the radio volume will be reduced.

Limitations

NOTE:

In parking lot situations, oncoming vehicles may be obscured by vehicles parked on either side. If the sensors are blocked by other structures or vehicles, the system may not be able to alert the driver.

WARNING!

Rear Cross Path (RCP) Detection is not a back up aid system. It is intended to be used to help a driver detect an oncoming vehicle in a parking lot situation. Drivers must be careful when backing up, even when using RCP. Always check carefully behind your vehicle, look behind you, and be sure to check for pedestrians, animals, other vehicles, obstructions, and blind spots before backing up. Failure to do so can result in serious injury or death.

Settings

Blind Spot Modes

Three selectable modes of operation are available through the Uconnect system ⇨ page 123.

Blind Spot Alert Lights Only

When operating in Blind Spot Alert mode, the system provides a visual alert in the appropriate outside mirror when a detected object is present.

When the system is operating in Rear Cross Path (RCP) mode, both visual and audible alerts will be provided when a detected object is present. When an audible alert is issued, the radio volume will be reduced.

Blind Spot Alert Lights/Chime

When operating in Blind Spot Alert Lights/Chime mode, the system provides a visual alert in the appropriate outside mirror when a detected object is present.

If the turn signal is activated on the same side as a detected object, an audible chime will also sound. When both a turn signal and detected object are

present on the same side, both visual and audible alerts will be issued. When an audible alert is issued, the radio volume will be reduced.

Blind Spot Alert Off

When the BSM system is turned off, no visual or audible alerts will be provided from either the BSM or RCP systems.

NOTE:

- Whenever an audible alert is requested by the BSM system, the radio volume is reduced.
- When the system is in RCP mode, both visual and audible alerts will be provided when a detected object is present. Turn signal and hazard signal status are ignored; RCP will always request an audible alert.
- The BSM system stores the current operating mode when the vehicle is turned off. Each time the vehicle is started, the previously stored mode will be recalled and used.

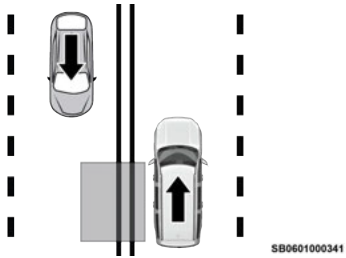
Limitations

NOTE:

The BSM system detection zone DOES NOT change if your vehicle is towing a trailer. Always visually verify that the adjacent lane is clear for both your vehicle and trailer before making a lane change. If a trailer or other object (such as a bicycle or sports equipment) extends beyond the side of the vehicle, this may result in false detections and false chimes when the turn signal is used ⇨ page 123.

The BSM system is designed not to issue alerts for stationary objects such as guardrails, posts, walls, foliage, berms, or similar objects. However, the system may occasionally alert on such objects. This is normal operation and the vehicle does not require service.

The BSM system will not alert for objects traveling in the opposite direction of the vehicle in adjacent lanes.



Opposing Traffic

Troubleshooting

The BSM system sensors may become blocked if snow, ice, mud, or other road contaminants accumulate on the rear fascia/bumper where the radar sensors are located.

The system may also detect blockage when the vehicle is operated in areas with very low radar returns, such as in a desert or alongside a large elevation drop.

If blockage is detected, a “Blind Spot Temporarily Unavailable, Sensor Blocked” message will display in the instrument cluster, both mirror lights will illuminate, and BSM and Rear Cross Path (RCP) alerts will not occur. This is normal operation.

The system will automatically resume operation when the condition clears or after an ignition cycle.

To help minimize blockage, do not place objects such as bumper stickers or bicycle racks over the radar sensor areas and keep the rear fascia/bumper clear of road contaminants.



Sensor Location (Left Side Shown)

WARNING!
The Blind Spot Monitoring system is only an aid to help detect objects in the blind spot zones. The BSM system is not designed to detect pedestrians, bicyclists, or animals. Even if your vehicle is equipped with the BSM system, always check your vehicle’s mirrors, glance over your shoulder, and use your turn signal before changing lanes. Failure to do so can result in serious injury or death.

Trailer Merge Assist

Description

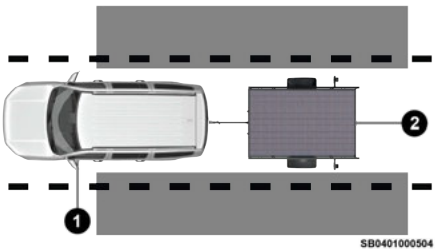
Trailer Merge Assist is a function of the Blind Spot Monitoring (BSM) system that extends the blind spot

detection zones to support operation while towing a trailer.

NOTE:
When Trailer Merge Assist is active, Rear Cross Path (RCP) is disabled.

Trailer Merge Assist includes the following functions:

- Automatic Trailer Detection
- Trailer Length Detection
- Trailer Merge Warning



Blind Spot Zones With Trailer Merge Assist

1 — Vehicle
2 — Trailer

Operation

Automatic Trailer Detection

The system can automatically detect the presence of a trailer and determine its length using the blind spot radar sensors.

Two modes are available:

Automatic Mode

When "Auto Mode" is selected, the system uses the blind spot sensors to detect the presence and length of a trailer. The trailer may be detected within 90 seconds of forward vehicle movement. The vehicle must be traveling above 6 mph (10 km/h) for detection to occur. Once a trailer is detected, the system will default to the maximum blind spot zone until the trailer length is verified. "Auto" will be displayed in the instrument cluster.

Maximum Mode

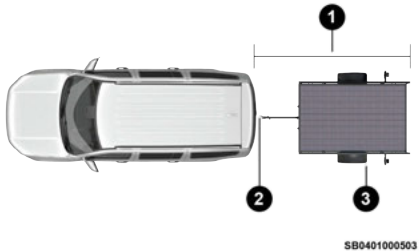
When "Max Mode" is selected, the system will use the maximum blind spot zone regardless of trailer size.

NOTE:
Selected setting is stored when the power button is placed in the OFF position. To change this setting, it must be selected through the Uconnect Settings ⇨ page 123.

Trailer Length Detection

After trailer presence is detected, the system will determine trailer length. This may require the vehicle to complete a 90 degree turn. The trailer length category will then be displayed in the instrument cluster. This process may take up to 30 seconds after the turn is completed.

If the vehicle remains stationary for at least 90 seconds during the same key cycle, a new trailer detection request may be initiated when the vehicle begins moving again.



Trailer Length Detection

1 — Trailer Length
2 — Trailer Hitch
3 — Trailer Width

Trailer length is grouped into the following categories:

- Up to 10 ft (3 m) — Blind spot zone is adjusted to 10 ft (3 m)
- 10 ft to 20 ft (3 m to 6 m) — Blind spot zone is adjusted to 20 ft (6 m)
- 20 ft to 30 ft (6 m to 9 m) — Blind spot zone is adjusted to 30 ft (9 m)
- 30 ft to 39.5 ft (9 m to 12 m) — Blind spot zone is adjusted to maximum distance

Trailer Merge Warning

Trailer Merge Warning extends the blind spot detection area to include the length of the trailer, plus an additional safety margin.

When a vehicle is detected in the adjacent lane, the system alerts the driver by illuminating the

BSM Warning Light in the outside mirror on the corresponding side. If enabled, an audible (chime) alert will also sound and the radio volume will be reduced.

Limitations

NOTE:
Fifth wheel or gooseneck trailers are not supported by Trailer Merge Assist.

The maximum trailer length supported by the Trailer Merge Assist feature is 39.5 ft (12 m). Trailer length is measured from the forward-most portion of the trailer hitch to the rear-most portion of the trailer body, fascia/bumper, or ramp.

The maximum trailer width supported by the Trailer Merge Assist feature is 8.5 ft (2.59 m). Trailer width is measured at the widest portion of the trailer and may include wheels, tires, fenders, or rails.

NOTE:
Trailer length is determined within +/- 3 ft (1 m) of actual length. Trailers that are near category limits (10 ft, 20 ft, or 30 ft [3 m, 6 m, or 9 m]) may be placed in an adjacent category.

The ability to detect a trailer may be reduced in crowded or busy environments. Parking lots, narrow areas surrounded by trees, or other congested areas may limit the ability of the radar sensors to detect the trailer. The system will attempt to detect a trailer at each key cycle or after 90 seconds of standstill.

NOTE:
- The Trailer Merge Assist system DOES NOT alert the driver to rapidly approaching vehicles that are outside of the detection zones.
- The Blind Spot Monitoring (BSM) system may experience intermittent illumination of the side mirror warning indicators when a motorcycle or other small object remains beside the vehicle for an extended period of time.
- Crowded areas such as parking lots or neighborhoods may increase the likelihood of false alerts. This is normal operation.

WARNING!

The Blind Spot Monitoring system is only an aid to help detect objects in the blind spot zones. The BSM system is not designed to detect pedestrians, bicyclists, or animals. Even if your vehicle is equipped with the BSM system, always check your vehicle's mirrors, glance over your shoulder, and use your turn signal before changing lanes. Failure to do so can result in serious injury or death.

Night Vision Camera System — If Equipped

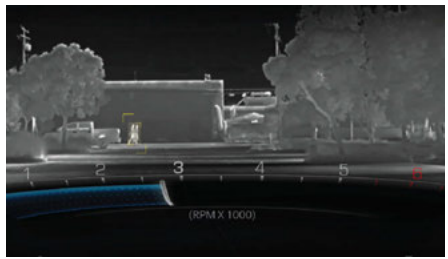
Description

Your vehicle may be equipped with a Night Vision Camera system that uses an infrared camera to monitor the area ahead of the vehicle, beyond the headlights, to help detect pedestrians and large animals in low-light conditions.

The system identifies pedestrians and animals by measuring temperature differences between objects and the surrounding environment.

The detected thermal image is displayed in the instrument cluster display. Warmer objects (such as animals) appear lighter, while cooler objects (such as traffic signs) appear darker.

Objects of interest are highlighted with a yellow or red border and box.



Highlight Around Objects Of Interest

Multiple objects may be highlighted at the same time. The highlighting updates in real time based on the current system assessment.

Night Vision provides two types of warnings:



Pedestrian Warnings



Animal Warnings

Warnings are shown as either Level 1 or Level 2:

- **Level 1 warnings** are yellow
- **Level 2 warnings** are red

Only one warning telltale is displayed at a time based on priority. The priority order from highest to lowest is:

1. Pedestrian Warning Level 2
2. Animal Warning Level 2
3. Pedestrian Warning Level 1
4. Animal Warning Level 1

Level 2 warnings may also display in the Head Up Display (if equipped).

NOTE:

- Night Vision only shows objects that are warmer or colder than the surrounding environment.
- Adjust the instrument cluster dimmer control to change image brightness.

Operation

To view the Night Vision display, scroll to the Night Vision page in the instrument cluster display menu.

To exit the Night Vision display, select a different menu.

When a pedestrian or animal is detected, the system provides a warning based on the level of risk.

Level 1 Warning (Yellow):

- Yellow telltale in the instrument cluster display
- Yellow highlight around the detected pedestrian or animal
- Occurs when the vehicle is traveling above 8 mph (13 km/h) and the object is in or approaching the vehicle path

Level 2 Warning (Red):

- Red telltale in the instrument cluster display
- Red highlight around the detected pedestrian or animal
- Occurs when the vehicle is traveling above 8 mph (13 km/h) and a collision is possible
- The object is directly in the vehicle path, near the headlight area
- A video pop-up displays if the Night Vision page is not currently shown
- A chime sounds when a Level 2 Warning is issued

NOTE:

If the vehicle is stopped or slowing down, all Level 2 warnings become Level 1 warnings.

When the front window washer is activated, the Night Vision camera is also cleaned ⇨ page 71.

WARNING!

- Do not jerk the steering wheel in response to a warning.
- Never attempt to swerve around animals if doing so would endanger you or others.
- Do not stare at the image while driving. You could crash and you or others could be injured.

(Continued)

WARNING!

- The Night Vision system only provides alerts to objects of interest and cannot serve as a substitute for the driver's personal judgment. The warnings are meant to direct your attention to the detected objects, but the Night Vision system does not automatically brake the vehicle and may not provide a warning with enough time to help avoid a crash.
- Warnings are only provided if a pedestrian or large animal is detected by the system.
- It is always the driver's responsibility to be attentive of road, traffic, and weather conditions, vehicle speed, distance to the vehicle ahead, and most importantly, brake operation, to ensure safe operation of the vehicle under all road conditions. Your complete attention is always required while driving to maintain safe control of your vehicle.

Settings

Night Vision warnings can be enabled or disabled through the Uconnect settings ⇨ page 123.

When warnings are turned off, telltales, chimes, and warning messages are also turned off. Pedestrians and animals may still be detected by the system, but no warnings will be provided ⇨ page 106.



The Night Vision alert status telltale indicates the current alert state:

- **Green:** Alerts are active
- **Gray:** Alerts are suppressed

The telltale will turn gray when:

- Warnings are turned off
- Alerts are suppressed due to environmental conditions (such as daylight or temperatures above 86°F (30°C))
- The gear selector is in REVERSE

Limitations

The system can detect pedestrians and animals within a limited range and under certain conditions.

The system can detect:

- Pedestrians approximately 4 ft (1.25 m) tall or greater in an upright position
- Four-legged animals approximately 3 ft (1 m) tall or greater

The detection distance is approximately 26 ft (8 m) to 328 ft (100 m) in front of the vehicle.

The system may not detect pedestrians or animals if:

- They are outside of the detection range
- They are fully or partially obstructed
- They do not meet the minimum height requirements

Objects with similar size, shape, or temperature (such as sun-heated objects) may be detected and displayed as targets.

The Night Vision display may be unavailable under certain conditions.

The display is deactivated when:

- The vehicle is in REVERSE
- The ignition is not in the ON/RUN position
- The headlights are off and the vehicle speed is above 8 mph (13 km/h)

Warnings are suppressed when:

- It is daylight
- The outside temperature is above 86°F (30°C)

The system may not function properly in the following conditions:

- Driving on steep hills
- Driving on tight curves
- The camera is damaged or blocked by dirt, snow, ice, or debris
- Poor visibility conditions such as heavy fog, rain, or snow
- The vehicle has been modified with aftermarket parts or accessories

NOTE:
If any of these conditions are present, the system does not need service.

WARNING!

- Night Vision can only detect pedestrians and animals located within the range of the infrared camera.

(Continued)

WARNING!

- Night Vision may not detect pedestrians or animals and highlight them if:
  - They are not in an upright position, for example if they are sitting or lying down, or if the pedestrian is riding a bicycle
  - The figure in the display appears incomplete, for example because the pedestrian or animal is partially behind a vehicle
  - The pedestrian/animal is not directly ahead in the coverage area
  - The pedestrian/animal is part of a group
  - The pedestrian is wearing certain types of clothing
  - The pedestrian/animal is moving too quickly through the field of view
  - The sensor is blocked by dirt, rain, snow, or ice

Troubleshooting

If a fault message appears in the instrument cluster display, follow the guidance below.

"Night Vision Unavailable Sensor Blocked"

- Make sure the camera is free of snow, ice, mud, dirt, or other debris
- The camera is located in the upper fascia/bumper, inside the driver-side grille slot
- Clean the camera using a soft wet cloth or by using the Clean Camera function in the Uconnect system
- If the message remains after cycling the ignition, see an authorized dealer

"Night Vision Temporarily Unavailable" or "Night Vision Unavailable Service Required"

- If the message remains after cycling the ignition, see an authorized dealer

The camera must be properly aligned to function correctly. If adjustment is required, see an authorized dealer. Do not attempt to adjust the camera yourself.

NOTE:
Alignment and performance of the Night Vision system may be affected by aftermarket modifications. Mopar® parts should be used to help ensure optimal system performance.

FamCam System — If Equipped

Description

Your vehicle may be equipped with the FamCam system, which uses an interior camera mounted in the headliner to allow the driver to view cargo and passengers in the rear of the vehicle on the Uconnect display.

The display shows a full interior view on the left side of the screen and a zoomed-in view of a selected seat on the right side.



FamCam Display Example
(7 Passenger Vehicle Shown)

The image appears in color in well-lit conditions and in black and white in low-light conditions.

Operation



To activate FamCam, press the FamCam button in the Controls tab of the Vehicle menu. FamCam can also be accessed from the App Drawer or the status bar at the top of the Uconnect display.

To change the seat shown in the zoomed-in view, press a different seat location on the left side of the display. The zoomed-in view will update to show the selected seat. By default, the second-row driver's side seat is shown.

If the vehicle is shifted into REVERSE or the touchscreen X button is pressed, the FamCam view will close. Otherwise, the view will remain on the display.

NOTE:
When FamCam is turned off, the selected seat in the zoomed-in view is retained. The next time the feature is activated, the same seat will be shown.

LANE CENTERING ASSISTANCE SYSTEM

Active Lane Management — If Equipped

Description

ALM uses a forward-facing camera to detect lane markings or road edges and determine the vehicle position within the lane.

The system also uses Blind Spot Monitoring (BSM) sensors to detect vehicles in adjacent lanes when a lane change is attempted.

ALM operates at speeds above 37 mph (60 km/h) and below 112 mph (180 km/h).

Operation

Active Lane Management (ALM) monitors lane markings and vehicle position to help keep the vehicle within the lane.

When both lane markings are detected and the vehicle approaches or crosses a lane boundary without a turn signal, the system provides warnings to help the driver remain in the lane. These warnings may include:

- Visual alerts in the instrument cluster display
- Steering assist torque (if enabled in Uconnect Settings)
- Steering wheel vibration (if enabled in Uconnect Settings)

If the vehicle crosses a lane boundary, the system may apply steering assist to guide the vehicle back toward the center of the lane and/or provide steering wheel vibration, depending on Uconnect Settings.

When only one lane marking is detected and the vehicle drifts across it without a turn signal, the system provides a visual alert and may apply steering assist (if enabled in Uconnect Settings). If the vehicle continues to drift, the system will provide a flashing visual alert and steering wheel vibration (if enabled in Uconnect Settings).

When a turn signal is applied and the Blind Spot Monitoring (BSM) system detects a vehicle in the adjacent lane, the system may provide steering assist and/or steering wheel vibration (if enabled in Uconnect Settings) to help keep the vehicle within the lane.

If the turn signal is applied and no vehicle is detected in the blind spot zone, lane departure warnings and steering assistance are suppressed to allow the lane change.

The driver can override steering assist at any time by applying force to the steering wheel.

The system monitors driver hand placement. If the driver's hands are removed from the steering wheel, the system will provide an audible and visual alert. If the driver does not return their hands to the wheel, the system will cancel.

Settings

System Controls

The Active Lane Management (ALM) system can be turned on or off using the Active Lane Management button.



The button is located on the switch panel on the forward part of the center console, in front of the gear selector.

System On: Press the button. The LED turns off and a message is displayed in the instrument cluster.

System Off: Press the button again. The LED turns on.

NOTE:
The system will retain the last on/off setting after the ignition is turned off.

Display States

Active Lane Management (ALM) displays lane status and warnings in the instrument cluster.

When the system is on, lane line colors indicate system status:

- **Gray lines** — Lane boundaries are detected



System On (Gray Lines)

- **Solid yellow line** — The vehicle is approaching a lane boundary



Lane Drift (Solid Yellow Line)

- **Flashing yellow line** — The vehicle is crossing a lane boundary



Lane Crossed (Flashing Yellow Line)

When a lane departure is detected:

- The system may apply steering assist away from the lane boundary
- Steering wheel vibration may occur, depending on Uconnect Settings

If a turn signal is applied and a vehicle is detected in the blind spot zone, the system may provide steering assist and/or steering wheel vibration.

If a turn signal is applied and no vehicle is detected, lane departure warnings and steering assist are suppressed.

NOTE:

- The system behaves the same for left and right lane departures
- If a safety system (ABS, TCS, ESC, FCW, etc.) is active, steering assist and vibration may be temporarily unavailable
- The Blind Spot Monitoring (BSM) system is automatically enabled when ALM is on
- The system is suppressed when Active Driving Assist (if equipped) is active

System Customization

Configurable settings for the ALM system are available through the Uconnect system ⇨ page 123.

Selectable warning types include:

- Vibration Only
- Steering Assist Only
- Vibration and Steering Assist

Additional settings include:

- Steering wheel vibration intensity (High/Medium/Low)
- Steering assist strength (High/Medium/Low)
- Warning sensitivity (Early/Medium/Late)

Turn Signal Activated Camera — If Equipped

Description

When enabled in the Uconnect system and a turn signal is activated, the corresponding side view mirror camera will display in the radio. The camera will continue to display as long as the turn signal is engaged. If “Only With Trailer” is selected (if equipped), the camera will only display when a trailer is connected to the vehicle ⇨ page 123.

Limitations

WARNING!
Blind Spot Assist is only an aid to help detect objects in the blind spot zones and may not provide alerts when changing lanes under all driving conditions. Even if your vehicle is equipped with the BSA system, always check your vehicle's mirrors, glance over your shoulder, and use turn signals before changing lanes. Failure to do so can result in serious injury or death.

Base Active Driving Assist System — If Equipped

Description

The Active Driving Assist (ADA) system works with the Adaptive Cruise Control (ACC) system to help keep the vehicle centered within its lane while maintaining a set speed and distance from the vehicle ahead. The system can operate at speeds up to 90 mph (145 km/h).

For ACC system operating instructions and system limitations, see ⇨ page 216.

NOTE:

- The driver should always obey traffic laws and speed limits. Never drive above applicable speed limit restrictions.
- The driver can override ADA at any time by braking, accelerating, or steering the vehicle.

While the system is active, ADA helps maintain the set distance from the vehicle ahead and assists with keeping the vehicle centered between lane markings.

The system also uses Blind Spot Monitoring sensors to monitor vehicles in adjacent lanes.

Two types of Active Driving Assist systems are available: Base Active Driving Assist and Hands-Free Active Driving Assist. If the vehicle is equipped with the Hands-Free Active Driving Assist system, refer to ⇨ page 193 for additional information.

Base Active Driving Assist System

The Base Active Driving Assist system uses sensors within the steering wheel to monitor driver attentiveness and requires the driver to keep their hands on the steering wheel at all times.

The system is designed to help keep the vehicle centered in the lane. When the driver applies steering input for example, to move farther away from a large vehicle in an adjacent lane, the system reduces its steering assistance and allows the driver to control the vehicle's path. This behavior is referred to as co-steering.

When the driver stops providing steering input, the system will resume normal lane-centering assistance after a short period of time. This transition may take slightly longer when driving through curves.

WARNING!

The driver is always responsible for determining if a lane change is safe. Failure to follow this warning can result in a collision and death or serious personal injury.

WARNING!

The Active Driving Assist (ADA) system is a convenience system. It is not a substitute for active driver involvement. It is always the driver's responsibility to be attentive of road traffic, weather conditions, vehicle speed, distance to the vehicle ahead, position in the lane compared to other vehicles, and brake operation to ensure safe operation of the vehicle under all road conditions. Your complete attention is always required while driving to maintain safe control of your vehicle. Failure to follow these warnings can result in a collision and death or serious personal injury.

Some states and local laws may require hands to be kept on the steering wheel at all times. For vehicles equipped with the Hands-Free ADA system, **ONLY** remove your hands from the steering wheel if the Hands-Free system is engaged, it is safe to do so, and it is permitted by state and local laws.

You should turn off the Active Driving Assist systems:

- When driving in complex driving situations (e.g. urban environments, construction zones, etc.), adverse weather or low visibility conditions (e.g. rain, snow, fog, sleet, dust), or adverse road conditions (e.g. heavy traffic, worn or missing lane markings, etc.).
- When entering a highway on-ramp or exiting an off-ramp.
- When driving on roads that are icy, snow covered, or slippery.
- When driving during difficult or uncertain conditions.

Operation

TURNING ADA ON OR OFF



Active Driving Assist On/Off Button

To enable the Active Driving Assist system, proceed as follows:

1. Push the Active Driving Assist on/off button located on the right side of the steering wheel. The steering wheel image will appear white in the instrument cluster display until the system is engaged. If Adaptive Cruise Control (ACC) was previously disabled, pressing this button will activate both ACC and Active Driving Assist.
2. If ACC was already engaged before pressing the ADA on/off button, ACC will remain active and ADA will engage once all required conditions are met.
3. If ACC was not active before pressing the ADA on/off button, press the SET (+) or SET (–) button and release when the desired driving speed is shown in the instrument cluster display.

4. If desired, adjust the ACC following distance by pressing the Distance Increase or Distance Decrease buttons.

When all system conditions described in System Engagement Conditions are met, the system will engage and the steering wheel image in the display will change to green.



Active Driving Assist Engaged (Steering Wheel Green)

SYSTEM ENGAGEMENT CONDITIONS

The following conditions must be met before the system will engage and **will not be shown** in the ADA status message location:

- Active Driving Assist system is enabled (white ADA status message)
- Turn signal is not activated
- Driver seat belt is buckled
- Driver door is closed
- Driver is not pressing the brake pedal
- Driver has hands on the steering wheel

The following conditions must be met before the system will engage and **will be shown** in the ADA status message location:

- System detects visible lane markings
- Vehicle is traveling below 90 mph (145 km/h)
- Vehicle is centered in lane
- Vehicle is not in a tight curve
- Trailer is not connected

NOTE:

For the system to detect the driver's hands on the steering wheel, the wheel must be gripped on the outside. Gripping the inside areas of the steering wheel will not satisfy the hands-on condition required for system engagement.



Do Not Grip Inside Of Steering Wheel

SYSTEM DEACTIVATION

The system will be deactivated in any of the following situations:

- If driver inattentiveness continues, the system may initiate a Stop-In-Lane maneuver to bring the vehicle to a stop. Refer to "Indications On The Display" for additional information.
- Lane markings are no longer detected or road conditions are poor
- The brake pedal is pressed or ACC is deactivated
- A turn signal is used (unless a target is detected in the blind spot zone on the same side as the turn signal)
- The driver performs an evasive maneuver by applying high steering torque for a short duration
- The driver's seat belt is unbuckled
- Vehicle speed exceeds 90 mph (145 km/h)
- The Active Driving Assist on/off button is pressed again
- The driver steers out of the lane and crosses a lane marking
- The Forward Collision Warning (FCW) system becomes active and provides warnings or braking

Pressing the Active Driving Assist on/off button or deactivating ACC will turn the system off. All other deactivation conditions will return the system to the enabled state, with the steering wheel indicator displayed in white until the engagement conditions are met again.

When the system is deactivated, Active Lane Management will return to its previous state, and ACC will either disable or remain engaged depending on system conditions.

DRIVER ALERTS AND SYSTEM STATUS

Indications On The Display

The Active Driving Assist system status can be viewed in the following locations:

- In the center of the instrument cluster display by selecting the Driver Assist menu
- In the Head Up Display by selecting Advanced Layout
- In the Home tile display by selecting the Driver Assist Tile

The ADA status is also shown as an indicator light around the instrument cluster.

As the system detects driver inattentiveness, the system status indicator lights will change from off, to yellow, to red.

The following indicators change color as warnings escalate:

- Active Driving Assist Indicator (steering wheel icon in the instrument cluster display or Head Up Display, if equipped)
- Glow effect of the instrument cluster display

If the driver's hands are not returned to the steering wheel, the system will deactivate.

ADA Indicator Status

Green

The system is actively steering and controlling vehicle speed, and the driver is detected as attentive.

Yellow

Driver inattentiveness has been detected. The driver is warned to place hands on the steering wheel and look toward the road.

Red

Driver inattentiveness continues or driver takeover is required. The driver must place hands on the steering wheel, look toward the road, and if requested, press the accelerator or brake pedal.

NOTE:
For both Base ADA and Hands-Free ADA (if equipped), the driver **must** place hands on the steering wheel and take control of the vehicle when the system is deactivated.

Additional Driver Warnings

In addition to the indicator light changes, the system may issue warnings intended to provide the driver with enough time to react and take control of the vehicle.

For the Base Active Driving Assist system:

- One haptic brake jerk warning will be issued (red warning light).
- A steering wheel vibration warning (if enabled) may occur if the vehicle crosses a lane marker, such as when driving through a tight curve. The steering wheel vibration feature can be turned on or off within the Uconnect system.

The driver can take control of the vehicle at any time by pressing the accelerator or brake pedal, steering the vehicle, or otherwise taking control of the vehicle.

Limitations

WARNING!

Active Driving Assist is an SAE Level 2 Driver Assist feature, requiring driver attention at all times. To prevent serious injury or death:

- Always remember that the Active Driving Assist system is a convenience system that cannot accurately detect all situations. Complete attention is always required while driving, even when using the Active Driving Assist system.
- Always remain alert and be ready to take control of the vehicle in the event that the Active Driving Assist system deactivates, or otherwise lacks full functionality as described further before and after this statement.
- Always keep your eyes on the road and hands on the steering wheel when the Base Active Driving Assist system is activated.
- Always keep your eyes on the road when the Hands-Free Active Driving Assist system is activated.
- Maintain a safe distance from other vehicles and pay attention to traffic conditions.
- Do not use a hand held device when either Base, or Hands-Free Active Driving Assist system is engaged.

(Continued)

WARNING!

- Always pay attention to the road when the Hands-Free Active Driving Assist system is engaged. The Active Driving Assist system will not steer to avoid safety hazards, construction zones, objects, or road impediments. You need to take control to steer and brake the vehicle in such situations, and when merging into traffic, exiting the highway, making a turn for crossing traffic, or stopping for traffic control devices.
- Do not place any objects on the steering wheel (e.g. steering wheel covers) which could interfere with the hand detection sensors.

System Capability Limits

The Base Active Driving Assist system **does not**:

- Warn or prevent collisions with other vehicles
- Steer your vehicle around stopped vehicles, slower vehicles, construction zones or equipment, pedestrians, or animals
- Respond to traffic lights or stop signs
- Merge onto highways or exit off ramps
- Change lanes
- React to cross traffic

NOTE:

Adaptive Cruise Control (ACC) is a core component of ADA. For ACC system limitations ⇨ page 216 .

Conditions That May Limit System Performance

The Active Driving Assist system may have limited or reduced functionality under the following conditions:

- The vehicle's radar sensors or forward-facing camera are damaged, covered, misaligned, or obstructed (for example by mud, ice, or snow)
- The suspension alignment is incorrect, the vehicle has been modified (such as lifting or lowering the suspension or installing different sized wheels or tires), or the vehicle has been damaged by road hazards
- Driving near highway toll booths

NOTE:

If damage to the windshield occurs, have the windshield replaced by an authorized dealer as soon as possible.

Hands-Free Active Driving Assist System — If Equipped

Description

The Active Driving Assist (ADA) system works with the Adaptive Cruise Control (ACC) system to help keep the vehicle centered within its lane while maintaining a set speed and distance from the vehicle ahead. The system can operate at speeds up to 90 mph (145 km/h).

For ACC system operating instructions and system limitations, see ⇨ page 216.

NOTE:

- The driver should always obey traffic laws and speed limits. Never drive above applicable speed limit restrictions.
- The driver can override ADA at any time by braking, accelerating, or steering the vehicle.

While the system is active, ADA helps maintain the set distance from the vehicle ahead and assists with keeping the vehicle centered between lane markings. The system also uses Blind Spot Monitoring sensors to monitor vehicles in adjacent lanes.

Two types of Active Driving Assist systems are available:

- Base Active Driving Assist
- Hands-Free Active Driving Assist



Active Driving Assist Engaged (Steering Wheel Green)

The Hands-Free ADA system has two operating modes:

- Hands-On Mode
- Hands-Free Mode

While driving, the system may switch between modes depending on road conditions.

Hands-On Mode

Hands-On Mode uses sensors within the steering wheel to monitor driver attentiveness and requires the driver to keep their hands on the steering wheel at all times.

Hands-Free Mode

Hands-Free Mode uses sensors within the steering wheel and a driver monitoring camera located on top of the steering column to monitor driver attentiveness. When the system is engaged on approved roadways, Hands-Free Mode allows the driver to temporarily remove their hands from the steering wheel. The driver must continue to pay attention to the road and remain ready to take control of the vehicle at all times.

WARNING!

The Active Driving Assist (ADA) system is a convenience system. It is not a substitute for active driver involvement. It is always the driver's responsibility to be attentive of road traffic, weather conditions, vehicle speed, distance to the vehicle ahead, position in the lane compared to other vehicles, and brake operation to ensure safe operation of the vehicle under all road conditions. Your complete attention is always required while driving to maintain safe control of your vehicle. Failure to follow these warnings can result in a collision and death or serious personal injury.

Some states and local laws may require hands to be kept on the steering wheel at all times. For vehicles

(Continued)

WARNING!

equipped with the Hands-Free ADA system, **ONLY** remove your hands from the steering wheel if the Hands-Free system is engaged, it is safe to do so, and it is permitted by state and local laws.

You should turn off the Active Driving Assist systems:

- When driving in complex driving situations (e.g. urban environments, construction zones, etc.), adverse weather or low visibility conditions (e.g. rain, snow, fog, sleet, dust), or adverse road conditions (e.g. heavy traffic, worn or missing lane markings, etc.).
- When entering a highway on-ramp or exiting an off-ramp.
- When driving on roads that are icy, snow covered, or slippery.
- When driving during difficult or uncertain conditions.

Operation

TURNING ACTIVE DRIVING ASSIST ON OR OFF



Active Driving Assist On/Off Button

To enable the Active Driving Assist system, proceed as follows:

1. Push the Active Driving Assist on/off button located on the right side of the steering wheel. The steering wheel image will appear white in the instrument cluster display until the system is engaged. If Adaptive Cruise Control (ACC) was previously disabled, pressing this button will activate both ACC and Active Driving Assist.
2. If ACC was already engaged before pressing the ADA on/off button, ACC will remain active and ADA will engage once all required conditions are met.
3. If ACC was not active before pressing the ADA on/off button, press the **SET (+)** button or the **SET (–)** button and release when the desired driving speed is shown in the instrument cluster display.

4. If desired, adjust the ACC following distance by pressing the **Distance Increase** or **Distance Decrease** buttons.

When all system conditions described in "System Engagement Conditions" are met, the system will engage and the steering wheel image in the display will change to green.



Active Driving Assist Engaged (Steering Wheel Green)

No additional driver input is required to activate Hands-Free mode. Once ADA is enabled using the ADA button, the system will automatically switch to Hands-Free mode when all Hands-Free operating conditions are met and the driver is holding the steering wheel and looking at the road.

While driving, the system may transition between Hands-On and Hands-Free modes depending on road conditions. In order for the system to transition between modes, the driver must have their hands on the steering wheel and eyes on the road.

NOTE:
Along with the color change of the steering wheel image, the instrument cluster display "glow" effect will also change to green when ADA is engaged.

SYSTEM ENGAGEMENT CONDITIONS

System Engagement Conditions

The following conditions must be met before the system will engage and **will not be shown** in the ADA status message location:

- Active Driving Assist system is enabled (white ADA status message)
- Turn signal is not activated
- Driver seat belt is buckled
- Driver door is closed
- Driver is not pressing the brake pedal
- Driver has hands on the steering wheel

The following conditions must be met before the system will engage and **will be shown** in the ADA status message location:

- Vehicle is driving on an approved roadway (Hands-Free mode only)
- A Jeep® Connect subscription is active and the vehicle is receiving a clear cellular signal (Hands-Free mode only)
- Driver paying attention to the road (Hands-Free mode only)
- System detects visible lane markings
- Vehicle is traveling below 90 mph (145 km/h)
- Vehicle is centered in lane
- Vehicle is not in a tight curve
- Trailer is not connected

NOTE:
For the system to detect the driver's hands on the steering wheel, the wheel must be gripped on the outside. Gripping the inside areas of the steering wheel will not satisfy the hands-on condition required for system engagement.



Do Not Grip Inside Of Steering Wheel

SYSTEM DEACTIVATION

The ADA system will be deactivated in any of the following situations while operating in Hands-On mode:

- If the system detects that the driver's hands are not on the steering wheel and the escalation warnings have been issued
- If lane markings are no longer detected or road conditions are poor

- If the brake pedal is pressed or ACC system is deactivated
- If a turn signal is used when equipped with Base ADA (unless a target is in the blind spot zone on the same side as the turn signal)
- If the driver performs an evasive maneuver by applying high torque to the steering wheel for a short duration
- If the driver's seat belt is unbuckled
- If the vehicle speed exceeds 90 mph (145 km/h)
- If the Active Driving Assist on/off button is pushed again (ADA will turn off)
- If the driver steers out of the lane and crosses a lane marking
- If the Forward Collision Warning (FCW) system becomes active and provides warnings or braking

NOTE:

- ADA will not enable if the system detects a trailer is connected to the vehicle.
- Pressing the Active Driving Assist on/off button or deactivating ACC will turn the system off. All other deactivation conditions will return the system to the enabled state with the steering wheel indicator displayed in white until all engagement conditions are met again.
- When the system is deactivated, the system status indicator lights will turn off, Active Lane Management will return to its previous state, and ACC will disable or remain engaged depending on system conditions.

In addition to the above conditions, the ADA system will be deactivated in any of the following situations while operating in Hands-Free mode:

- The driver is not attentive according to the driver monitoring camera or seating position and the system has gone through all escalation warnings (this may include situations where the driver is determined to be drowsy by the driver monitoring camera).
- The vehicle is no longer on a supported roadway (unsupported roads may include active construction areas or areas of recently completed construction).
- The vehicle is not receiving a clear cellular signal and connection to the cloud.
- The vehicle is not receiving a clear GPS signal (ex. driving in a tunnel).

DRIVER ALERTS AND SYSTEM STATUS

Indications On The Display

The Active Driving Assist system status can always be viewed in the instrument cluster display. Status changes are indicated by changes in the color of the system's indicator lights.

As the system detects driver inattentiveness, the indicator lights will change from green, to yellow, to red.

The following indicators will change color as warnings to the driver escalate:

- Active Driving Assist indicator (steering wheel icon in the instrument cluster display or Head Up Display, if equipped)
- Glow effect of the instrument cluster display

Active Driving Assist Indicator Status

Active Driving Assist Indicators Are Off (indicator light is off)

- ADA is not turned on or enabled by the driver.

Active Driving Assist Indicators Are White (indicator light is off)

- ADA is turned on or enabled by the driver, but the system is not actively steering and providing speed control for the vehicle.

Active Driving Assist Indicators Are Green (Hands-Free mode only)

- The system is actively steering and providing speed control for the vehicle and the system detects that the driver is attentive.

Active Driving Assist Indicators Are Yellow

- Driver inattentiveness has been detected, warning the driver to place hands on the steering wheel or look back toward the road (if equipped with the Hands-Free system).

Active Driving Assist Indicators Are Red

- Driver inattentiveness is still being detected or driver takeover is being requested. The driver must return their hands to the steering wheel. Upon a driver takeover request, the driver must return their hands to the steering wheel, look toward the road, and if requested press the accelerator or brake pedal.

NOTE:

For both Base ADA and Hands-Free ADA, the driver must replace their hands on the steering wheel

and take control of the vehicle when the system is deactivated.

System Status

Along with changes in the system's indicator lights (green, yellow, and red), the system may also issue accompanying warnings intended to provide the driver with enough time to react and take control of the vehicle.

Hands-Free Active Driving Assist System

- A seat vibration warning will occur (yellow or red warning light is issued).

The driver can take control of the vehicle at any time by pressing the accelerator or brake pedal, steering the vehicle, and remaining attentive to the road.

Hands-Free Sub Features

ASSISTED LANE CHANGE

Assisted Lane Change is available when the system is operating in Hands-Free mode. The system uses sensors, including Blind Spot Monitoring (BSM) sensors, to determine if a lane change is possible.

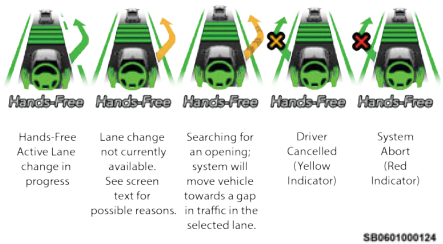
If the driver activates the turn signal and a lane change is available in that direction, the system will begin changing lanes and display a green lane change arrow graphic until the lane change is complete.

If the driver activates the turn signal and a lane change is not immediately available but a gap in traffic is identified in that direction, the system may accelerate or decelerate the vehicle to position it for the lane change. While the vehicle is positioning for the lane change, an animated yellow lane change arrow graphic will be shown along with the message "Searching for an Opening." Once the lane change begins, a green lane change arrow graphic will be shown until the maneuver is complete.

If the driver activates the turn signal and a lane change is not available, a yellow lane change arrow graphic will be shown and the system will monitor for lane change conditions for several seconds before timing out.

NOTE:

The system will only change one lane at a time. If multiple lane changes are desired, the driver must request another lane change after the first maneuver is completed.



Assisted Lane Change Status

If the lane change is not available, a yellow lane change arrow graphic will be shown and the system will monitor for lane change conditions for several seconds before timing out.

When the vehicle is searching for an opening, as indicated by the animated yellow lane change arrow, the conditions for a lane change may become inhibited. Under this condition, a solid yellow lane change arrow will be displayed along with a screen message indicating the possible reason.

The driver can cancel the lane change by activating the turn signal in the opposite direction or by overriding the ADA system using the steering wheel, brake pedal, or the Active Driving Assist on/off button.

Assisted Lane Change Availability / Limitations

Below are some of the reasons why Assisted Lane Change may not be available:

- Another vehicle is detected in the destination lane and there is not enough space to complete the lane change
- The driver is not attentive, and the system is requesting the driver look forward.
- Vehicle speed is below 37 mph (60 km/h).
- The destination lane is not supported for Hands-Free Mode.
- The vehicle is travelling in or approaching a tight curve.
- The vehicle has a turn signal that is not functioning.

WARNING!
The driver is always responsible for determining if a lane change is safe. Failure to follow this warning can result in a collision and death or serious personal injury.

PREDICTIVE CURVE SPEED CONTROL

While operating in Hands-Free mode, the Active Driving Assist system may reduce the vehicle speed when approaching tighter curves. This feature is intended to help maintain vehicle stability and comfort while the system is active.



When Predictive Curve Speed Control is active, an orange arrow icon will be displayed in place of the Adaptive Cruise Control target vehicle icon.

If the driver presses the accelerator pedal while Predictive Curve Speed Control is active, the system may request driver steering takeover.

CO-STEERING

While operating in Hands-Free mode, the driver may keep their hands on the steering wheel at any time. If the system detects steering input or torque applied by the driver, the system will switch into Hands-On mode.

While the driver is applying steering input, the system will reduce its steering assistance but remain active. This allows the driver to temporarily guide the vehicle, such as when maneuvering around potholes or other road conditions, without disengaging the system.

When the driver stops providing steering input and the conditions for Hands-Free mode are met, the system will automatically return to Hands-Free operation.

There are no visual indications when Co-Steering is active other than the change in steering resistance.

HANDS-FREE SUB FEATURES

Assisted Stop-In-Lane

The Active Driving Assist system may perform an Assisted Stop-In-Lane maneuver if the system requests a driver takeover and the driver does not respond to the warnings.

The maneuver can be overridden at any time by performing all of the following:

- Looking forward at the road
- Taking control of the steering wheel
- Pressing the accelerator or brake pedal

During an Assisted Stop-In-Lane maneuver, the system will bring the vehicle to a stop in its current lane. Once stopped, the vehicle will be secured by shifting into PARK and/or applying the parking brake. The doors will unlock and the hazard lights will activate. The vehicle will then attempt to place an emergency call using the Assist and SOS system.

EXTENDED AUTO RESUME

If equipped with Hands-Free Active Driving Assist and the system brings the vehicle to a stop while following the vehicle ahead, the vehicle will automatically resume driving when the path ahead becomes clear and the driver is attentive.

HANDS-FREE MODE NOTES

Hands-Free mode is only available on approved roadways. If the system is used on an unsupported roadway, the system may attempt to transition to Hands-On mode if conditions are met and will inform the driver through the ADA status message.

Hands-Free mode requires an active Jeep® Connect subscription through the Uconnect Connected Services system. If a subscription is not active and the driver attempts to engage the ADA system, a message will appear explaining that a subscription is required for Hands-Free mode. Hands-On mode does not require a subscription and will remain available even when the subscription is not active.

If previously disabled, activating the Hands-Free Active Driving Assist system will also activate the Forward Collision Warning and Pedestrian Emergency Braking systems.

If the vehicle is equipped with the Jeep® Connect (Uconnect Connected Services) package, additional data may be collected through the Uconnect Connected Services system. This may include information about vehicle operation, collision events involving the vehicle, the use of vehicle features, and in certain situations the vehicle location and approximate GPS speed. Refer to the Uconnect Radio Instruction Manual for Terms and Conditions and Privacy Statements.

The driver monitoring camera may record images of the driver during certain crash or near-crash situations. Retrieving recorded images requires special equipment and access to the vehicle or the camera.

Vehicle data may also be read from the Hands-Free ADA system with special equipment and access to the vehicle or the Event Data Recorder (EDR).

Limitations

WARNING!

Active Driving Assist is an SAE Level 2 Driver Assist feature, requiring driver attention at all times. To prevent serious injury or death:

- Always remember that the Active Driving Assist system is a convenience system that cannot accurately detect all situations. Complete attention is always required while driving, even when using the Active Driving Assist system.
- Always remain alert and be ready to take control of the vehicle in the event that the Active Driving Assist system deactivates, or otherwise lacks full functionality as described further before and after this statement.
- Always keep your eyes on the road and hands on the steering wheel when the Base Active Driving Assist system is activated.
- Always keep your eyes on the road when the Hands-Free Active Driving Assist system is activated.
- Maintain a safe distance from other vehicles and pay attention to traffic conditions.
- Do not use a hand held device when either Base, or Hands-Free Active Driving Assist system is engaged.
- Always pay attention to the road when the Hands-Free Active Driving Assist system is engaged. The Active Driving Assist system will not steer to avoid safety hazards, construction zones, objects, or

(Continued)

WARNING!

road impediments. You need to take control to steer and brake the vehicle in such situations, and when merging into traffic, exiting the highway, making a turn for crossing traffic, or stopping for traffic control devices.

- Do not place any objects on the steering wheel (e.g. steering wheel covers) which could interfere with the hand detection sensors.

System Capability Limits

The Hands-Free Active Driving Assist system **does not:**

- Warn or prevent collisions with other vehicles
- Steer the vehicle around stopped vehicles, slower vehicles, construction zones or equipment, pedestrians, or animals
- Respond to traffic lights or stop signs
- Merge onto highways or exit off ramps
- Change lanes in Hands-On mode
- React to cross traffic

NOTE:

Adaptive Cruise Control (ACC) is a core component of ADA. For ACC system limitations ⇨ page 216 .

The Active Driving Assist system may have limited or reduced functionality when one of the following conditions occur:

- The vehicle's radar sensors and/or forward facing camera is damaged, covered, misaligned, or obstructed (e.g. by mud, ice, snow, etc.)
- If the suspension alignment is not correct, if the vehicle is modified (e.g. lifting or lowering the suspension, installing different sized wheels or tires) or if there has been damage due to road hazards
- Driving near highway toll booths

Conditions That May Limit System Performance

The Active Driving Assist system may have limited or reduced functionality when one of the following conditions occurs:

- The vehicle radar sensors or forward-facing camera are damaged, covered, misaligned, or obstructed (for example by mud, ice, or snow)
- The suspension alignment is incorrect, the vehicle has been modified (such as lifting or lowering the suspension or installing different wheel or tire sizes), or the vehicle has sustained damage from road hazards
- Driving near highway toll booths

NOTE:

If the windshield is damaged, have it replaced by an authorized dealer as soon as possible.

PARKING AND REVERSE OPERATIONS ASSISTANCE SYSTEM

ParkView Rear Back Up Camera

Description

The ParkView Rear Back Up Camera provides a view of the area behind the vehicle when the gear selector is placed in REVERSE. The image is displayed on the Navigation/Multimedia display screen.

A “Check Entire Surroundings” message appears across the top of the screen when the camera view is activated. The message will disappear after five seconds.

The camera is located on the rear of the vehicle, above the rear license plate.

WARNING!

Drivers must be careful when backing up even when using the ParkView Rear Back Up Camera. Always check carefully behind your vehicle, and be sure to check for pedestrians, animals, other vehicles, obstructions, or blind spots before backing up. You are responsible for the safety of your surroundings and must continue to pay attention while backing up. Failure to do so can result in serious injury or death.

CAUTION!

- To avoid vehicle damage, ParkView should only be used as a parking aid. The ParkView camera is unable to view every obstacle or object in your drive path.
- To avoid vehicle damage, the vehicle must be driven slowly when using ParkView to be able to stop in time when an obstacle is seen. It is recommended that the driver look frequently over his/her shoulder when using ParkView.

Operation

AUTOMATIC ACTIVATION

When the gear selector is placed in REVERSE, the Rear Back Up Camera image displays on the screen.

When the vehicle is shifted out of REVERSE and camera delay is turned off, the rear camera mode exits and the previous screen appears.

When the vehicle is shifted out of REVERSE and camera delay is turned on, the camera image will continue to display for up to 10 seconds unless one of the following occurs:

- Vehicle speed exceeds 8 mph (13 km/h)
- Vehicle is shifted into PARK
- Ignition is placed in the OFF position
- Touchscreen X button is pressed to disable the display

MANUAL ACTIVATION

To manually activate the Rear Back Up Camera:

- Press the **Vehicle** button located at the bottom of the Uconnect display.
- Select the **Controls** Menu.
- Press the **Rear Back Up Camera** icon.

The Rear Back Up Camera can also be activated through the **Apps** menu within the Uconnect system.

GUIDELINES AND DISTANCE ZONES

When enabled, active guidelines are overlaid on the image to illustrate the width of the vehicle and its projected backup path based on steering wheel position.

A dashed center line indicates the center of the vehicle to assist with parking or aligning to a hitch/receiver.

Colored zones indicate the distance to the rear of the vehicle:

Zone	Distance To The Rear Of The Vehicle
Red	0 - 1 ft (0 - 30 cm)
Yellow	1 ft - 6.5 ft (30 cm - 2 m)
Green	6.5 ft or greater (2 m or greater)

ZOOM VIEW

Zoom View is available when the Rear Back Up Camera image is displayed and vehicle speed is below 8 mph (13 km/h), regardless of gear position.



Press the magnifying glass icon in the upper left corner of the display to zoom in. Press the icon again to return to the standard view.

If Zoom View is selected while in REVERSE and the vehicle is shifted to DRIVE, the camera delay will display the standard view. If the vehicle is shifted back into REVERSE, Zoom View will automatically resume.

Shifting to NEUTRAL from any gear maintains the selected view (Zoom or Standard) as long as vehicle speed remains below 8 mph (13 km/h).

If the vehicle is in PARK, Zoom View remains available until the gear selector is placed in DRIVE or REVERSE and vehicle speed reaches or exceeds 8 mph (13 km/h).

NOTE:

- Zoom View is unavailable when the vehicle is in DRIVE, NEUTRAL, or REVERSE and vehicle speed is greater than or equal to 8 mph (13 km/h). When Zoom View is unavailable, the icon will appear gray.
- While Zoom View is active, the guidelines will not be visible.

VIEWING AT SPEED

When the vehicle is in PARK, NEUTRAL, or DRIVE, the Rear Back Up Camera can be activated using the Rear Back Up Camera button in the Controls menu.

This feature allows the driver to monitor the area directly behind the vehicle (or trailer, if equipped) for up to 10 seconds while driving.

If vehicle speed remains below 8 mph (13 km/h), the Rear Back Up Camera image will remain displayed until it is deactivated using the touchscreen X button.

NOTE:

If snow, ice, mud, or any foreign substance builds up on the camera lens, visibility may be reduced. Clean the lens, rinse with water, and dry with a soft cloth. Do not cover the lens.

Rear Camera Washer

When the rear window washer is activated by pushing the windshield wiper/washer lever forward, the Rear Back Up Camera and digital rearview mirror camera (if equipped) are also washed. For more information, see ⇨ page 71.

Surround View Camera System — If Equipped

Description

The Surround View Camera system provides a view of the area around the vehicle, including a Top View perspective. The system can be activated when the gear selector is placed in REVERSE or when a camera view is selected using the touchscreen.

The Top View displays the vehicle and its immediate surroundings and indicates which doors are open.

A “Check Entire Surroundings” message appears across the top of the screen when the camera view is activated. The message will disappear after five seconds.

The system uses four cameras located in the front grille, rear liftgate, and side mirrors.

WARNING!

Drivers must be careful when backing up even when using the Surround View Camera. Always check carefully behind your vehicle, and be sure to check for pedestrians, animals, other vehicles, obstructions, or blind spots before backing up. You are responsible for the safety of your surroundings and must continue to pay attention while backing up. Failure to do so can result in serious injury or death.

CAUTION!

- To avoid vehicle damage, Surround View should only be used as a parking aid. The Surround View camera is unable to view every obstacle or object in your drive path.
- To avoid vehicle damage, the vehicle must be driven slowly when using Surround View to be able to stop in time when an obstacle is seen. It is recommended that the driver look frequently over his/her shoulder when using Surround View.

Operation

Automatic Activation

When the gear selector is placed in REVERSE, the Surround View Camera system displays the default view (Rear View or Top View).

When the vehicle is shifted out of REVERSE and camera delay is turned on, the camera image will continue to be displayed for up to 10 seconds unless one of the following occurs:

- Vehicle speed exceeds 8 mph (13 km/h)
- Vehicle is shifted into PARK
- Ignition is placed in the OFF position
- Touchscreen X button is pressed to disable the display

When the vehicle is shifted out of REVERSE and camera delay is turned off, the Surround View Camera mode exits and the previous screen appears.

Manual Activation



To access the Surround View Camera system manually, press the **Surround View Camera** button in the Controls menu within the Uconnect system.

Guidelines And Distance Zones

When enabled, active guidelines are overlaid on the image to illustrate the width of the vehicle, including the side view mirrors, and the projected backup path based on steering wheel position.

Colored zones indicate the distance to the rear of the vehicle:

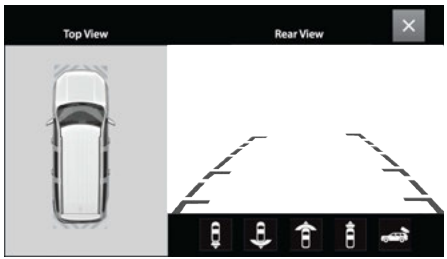
Zone	Distance To The Rear Of The Vehicle
Red	0 - 1 ft (0 - 30 cm)
Yellow	1 ft - 6.5 ft (30 cm - 2 m)
Green	6.5 ft or greater (2 m or greater)

VIEW MODES

The Surround View Camera system provides multiple selectable views to assist the driver when maneuvering the vehicle.

Top View

Top View displays a bird's-eye perspective of the vehicle and its immediate surroundings. The view may be shown in a split-screen display with either the Rear View or Front View.



Surround View Camera View

Integrated ParkSense arcs appear at the front, rear, and, if equipped, the sides of the vehicle. The arcs change color from yellow to red as the vehicle approaches an object.

When the front tires are turned, they will be visible in the image.

NOTE:

- Due to the wide-angle cameras used in the exterior mirrors, some image distortion may occur.
- The Top View indicates which doors are open. Opening the front doors and/or liftgate will cancel the outside image.

Top View Plus Rear View



This is the default view when the vehicle is in REVERSE. The Rear View is paired with the Top View and may include active guidelines for the projected path when enabled.

Rear Cross Path View



Rear Cross Path View provides a wider-angle rear camera image. The Top View is disabled when this mode is selected.

Top View Plus Front View



Front View displays the area immediately in front of the vehicle and is paired with the Top View.

Front Cross Path View



Selecting Front Cross Path View provides a wider-angle front camera image. The Top View is disabled when this mode is selected.

BACK UP CAMERA VIEW



The **Back Up Camera** button provides a full-screen rear view.

If the Rear View was selected through the Surround View Camera menu, exiting the Rear View screen will return to the Surround View Camera menu. If the Back Up Camera was activated through the Controls menu in the Uconnect system, exiting the display will return to the Controls menu.

The system will exit under the following conditions:

- Vehicle speed exceeds 8 mph (13 km/h)
- The vehicle is shifted into PARK
- The vehicle is in any gear other than REVERSE and the touchscreen X button is pressed
- The camera delay feature is turned off through Uconnect Settings

Zoom View

Zoom View is available when the Rear Back Up Camera image is displayed and vehicle speed is below 8 mph (13 km/h), regardless of gear position.



Press the magnifying glass icon in the upper left corner of the display to zoom in. Press the icon again to return to the standard view.

If Zoom View is selected while in REVERSE and the vehicle is shifted to DRIVE, the camera delay will display the standard view. If the vehicle is shifted back into REVERSE, Zoom View will automatically resume.

Shifting to NEUTRAL from any gear maintains the selected view (Zoom or Standard) as long as vehicle speed remains below 8 mph (13 km/h).

If the vehicle is in PARK, Zoom View remains available until the gear selector is placed in DRIVE or REVERSE and vehicle speed reaches or exceeds 8 mph (13 km/h).

Zoom View is unavailable when vehicle speed is greater than or equal to 8 mph (13 km/h). When unavailable, the icon appears gray.

While Zoom View is active, the guidelines are not visible.

NOTE:

- If snow, ice, mud, or any foreign substance builds up on the camera lenses, clean the lenses, rinse with water, and dry with a soft cloth. Do not cover the lenses.
- If a malfunction with the system has occurred, see an authorized dealer.

Rear Camera Washer

When the rear window washer is activated by pushing the windshield wiper/washer lever forward, the rear camera is also washed.

When the front window washer is activated by pulling the windshield wiper/washer lever, the front camera is also washed.

For more information, see ⇨ page 71.

PARKSENSE FRONT/REAR PARK ASSIST SYSTEM

Description

The ParkSense Front and Rear Park Assist system uses sensors to detect obstacles in front of and behind the vehicle during low-speed maneuvers. The system provides visual and audible alerts to help indicate the distance to a detected obstacle.

When enabled, the system can automatically apply and release the brakes during a reverse parking maneuver if a potential collision is detected.

Operation

SYSTEM ACTIVATION AND DEACTIVATION

ParkSense operates only when the gear selector is in REVERSE or DRIVE. When enabled, the system remains active until vehicle speed increases above approximately 7 mph (11 km/h).

If vehicle speed is reduced to below approximately 6 mph (9 km/h), the system becomes active again.

When the vehicle is in REVERSE and speed exceeds 7 mph (11 km/h), a warning message displays in the instrument cluster.

ENABLING AND DISABLING PARKSENSE



ParkSense can be enabled or disabled using the ParkSense switch, located on the switch panel at the front of the center console, ahead of the gear selector. When you enable ParkSense, the instrument cluster displays the system status. When you disable ParkSense, the instrument cluster displays “PARKSENSE OFF” for approximately two seconds.

If ParkSense is disabled and the gear selector is moved to REVERSE, “PARKSENSE OFF” remains displayed in the instrument cluster for as long as the vehicle is in REVERSE. When ParkSense is disabled and the gear selector is moved to DRIVE, no warning message is displayed.

Once ParkSense is turned off, it remains off even if the ignition is cycled. The system must be manually re-enabled using the ParkSense switch.

The ParkSense switch LED is:

- On when ParkSense is disabled or requires service.
- Off when ParkSense is enabled.

If the system requires service and you press the ParkSense switch, the LED flashes briefly and then remains on.

Automatic Braking Override

The driver can also override the automatic braking function by shifting the gear selector or by pressing the accelerator pedal beyond 90% during a braking event. Additionally, the automatic braking function can be disabled entirely by turning ParkSense off via the switch.

OBSTACLE DETECTION

ParkSense uses sensors located in the front and rear fascia/bumpers to monitor the area in front of and behind the vehicle.

The sensors detect obstacles in front of and behind the vehicle within a limited range. Detection distance may vary based on the size, type, and position of the obstacle.

PARKSENSE VISUAL AUDIBLE ALERTS

When the ParkSense system is active, visual and audible alerts are used to inform the driver of nearby obstacles. The warning display automatically activates when the vehicle is placed in REVERSE, or when in DRIVE and an obstacle is detected.

ParkSense indicates a detected obstacle by displaying a single arc in the left and/or right front or rear area of the vehicle, based on the obstacle’s distance and location. When an obstacle is detected in the left and/or right rear region, the system also produces an audible tone.

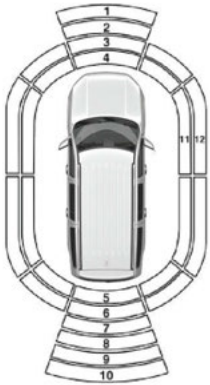
As the vehicle moves closer to an obstacle, the display changes and the audible alert increases in frequency from intermittent tones to a continuous tone.

To ensure the alert is clearly heard, ParkSense automatically reduces the volume of the radio when a tone is sounding. If an obstacle is detected and the vehicle is stationary, the Front Park Assist audible alert turns off after approximately three seconds.

PARKSENSE DISPLAY

The ParkSense Warning screen, located in the instrument cluster display, provides visual indications of the distance between the front and/or rear fascia/bumper and a detected obstacle.

If an obstacle is detected, a camera image displays in the radio and remains visible while the obstacle continues to be detected. This feature can be turned on or off in the Uconnect system.



Front/Rear/Side ParkSense Arcs

1 — No Tone/Solid Arc
2 — No Tone/Flashing Arc
3 — Fast Tone/Flashing Arc
4 — Continuous Tone/Flashing Arc
5 — Continuous Tone/Flashing Arc
6 — Fast Tone/Flashing Arc
7 — Fast Tone/Flashing Arc
8 — Slow Tone/Solid Arc
9 — Slow Tone/Solid Arc
10 — Single 1/2 Second Tone/Solid Arc
11 — Continuous Tone/Flashing Arcs
12 — Fast Tone/Flashing Arcs

The vehicle is close to the obstacle when the instrument cluster display shows one flashing arc and sounds a continuous tone. The following chart shows the warning alert operation when the system is detecting an obstacle:

WARNING ALERTS FOR REAR							
Rear Distance (inches/cm)	**Greater than 79 inches (200 cm)**	**79-59 inches (200-150 cm)**	**59-47 inches (150-120 cm)**	**47-39 inches (120-100 cm)**	**39-25 inches (100-65 cm)**	**25-12 inches (65-30 cm)**	**Less than 12 inches (30 cm)**
Audible Alert Chime	None	Single 1/2 Second Tone	Slow	Slow	Fast	Fast	Continuous

WARNING ALERTS FOR REAR							
Rear Distance (inches/cm)	Greater than 79 inches (200 cm)	79-59 inches (200-150 cm)	59-47 inches (150-120 cm)	47-39 inches (120-100 cm)	39-25 inches (100-65 cm)	25-12 inches (65-30 cm)	Less than 12 inches (30 cm)
Arcs-Left	None	None	None	None	None	6th Flashing	5th Flashing
Arcs-Center	None	10th Solid	9th Solid	8th Solid	7th Flashing	6th Flashing	5th Flashing
Arcs-Right	None	None	None	None	None	6th Flashing	5th Flashing
Radio Volume Reduced	No	Yes	Yes	Yes	Yes	Yes	Yes

WARNING ALERTS FOR FRONT					
Front Distance (inches/cm)	Greater than 47 inches (120 cm)	47-39 inches (120-100 cm)	39-25 inches (100-65 cm)	25-12 inches (65-30 cm)	Less than 12 inches (30 cm)
Audible Alert Chime	None	None	None	Fast	Continuous
Arcs-Left	None	None	None	3rd Flashing	4th Flashing
Arcs-Center	None	1st Solid	2nd Flashing	3rd Flashing	4th Flashing
Arcs-Right	None	None	None	3rd Flashing	4th Flashing
Radio Volume Reduced	No	No	No	Yes	Yes

Settings

The ParkSense system offers customizable settings that can be adjusted through the Uconnect system. The automatic braking function can be enabled or disabled from the Customer Programmable Features section.

The system also allows the driver to adjust the volume of the audible chimes for both the front and rear sensors. Chime volume settings can be selected from the Uconnect system and include low, medium, and high options.

ParkSense retains its last known configuration state (enabled or disabled) including automatic braking and chime volume through ignition cycles.

Limitations

The ParkSense system is designed to assist the driver and does not replace the driver. You must remain in full control of the vehicle's acceleration and braking and remain attentive to your surroundings at all times.

Automatic braking is not available when the vehicle is in 4WD Low or when a fault is detected in the ParkSense Park Assist system or the Braking System Module.

Automatic braking may not engage in all situations:

- Braking may be applied only if vehicle deceleration is not sufficient to avoid a collision with a detected obstacle.
- Braking may not be applied quickly enough for obstacles moving toward the rear of the vehicle from the left or right sides.

Usage Precautions

To help ensure proper operation of the ParkSense system:

- Keep the front and rear fascias/bumpers free of snow, ice, mud, dirt, and debris.
- External vibrations, such as those from jackhammers or large trucks, may affect system performance.
- Clean the ParkSense sensors regularly using care to avoid scratching or damaging them. Sensors

must not be covered by ice, snow, slush, mud, dirt, or debris. Failure to do so may result in reduced detection performance or false alerts.

- Turn ParkSense off using the ParkSense switch if objects such as bicycle carriers or trailer hitches are installed within 12 inches (30 cm) of the rear fascia/bumper. Failure to do so may cause the system to misinterpret the object and display a "ParkSense Unavailable Service Required" message.
- Disable ParkSense when the liftgate is open. An open liftgate may cause a false indication that an obstacle is behind the vehicle.

WARNING!

- Drivers must be careful when backing up even when using ParkSense. Always check carefully behind your vehicle, look behind you, and be sure to check for pedestrians, animals, other vehicles, obstructions, and blind spots before backing up. You are responsible for safety and must continue to pay attention to your surroundings. Failure to do so can result in serious injury or death.
- Before using ParkSense, it is strongly recommended that the ball mount and hitch ball assembly be disconnected from the vehicle when the vehicle is not used for towing. Failure to do so can result in injury or damage to vehicles or obstacles because the hitch ball will be much closer to the obstacle than the rear fascia/bumper when the vehicle sounds the continuous tone. Also, the sensors could detect the ball mount and hitch ball assembly, depending on its size and

(Continued)

WARNING!

shape, giving a false indication that an obstacle is behind the vehicle.

CAUTION!

- ParkSense is only a parking aid and it is unable to recognize every obstacle, including small obstacles. Parking curbs might be temporarily detected or not detected at all. Obstacles located above or below the sensors will not be detected when they are in close proximity.
- The vehicle must be driven slowly when using ParkSense in order to be able to stop in time when an obstacle is detected. It is recommended that the driver looks over his/her shoulder when using ParkSense.

Troubleshooting

Service the ParkSense Park Assist System

During vehicle start-up, if the ParkSense Park Assist System detects a fault, the instrument cluster sounds a single chime once per ignition cycle and displays a pop-up message for five seconds. This message may include up to two fault notifications. Possible messages are:

- "Parksense Unavailable Wipe Rear Sensors"
- "Parksense Unavailable Wipe Front Sensors"
- "Parksense Unavailable Service Required"

When the gear selector is moved to REVERSE and a fault is present, a pop-up message displays for approximately five seconds. After the message clears, a vehicle graphic displays "Unavailable" at the affected front or rear sensor location. The graphic remains displayed while the vehicle remains in REVERSE.

If only one side of the system is affected, ParkSense continues to provide arc alerts for the side that is functioning properly. Arc alerts may interrupt the fault message if an object is detected during the pop-up display period.

If "ParkSense Unavailable Wipe Rear Sensors" or "ParkSense Unavailable Wipe Front Sensors" appears, clean the outer surface and underside of the affected fascia/bumper to remove snow, ice, mud, dirt, or other obstructions, then cycle the ignition.

If the message continues to appear, see an authorized dealer.

If "ParkSense Unavailable Service Required" appears, see an authorized dealer.

Cleaning the ParkSense System

To clean the ParkSense sensors, use water, car wash soap, and a soft cloth. Do not use rough or hard cloths. Do not scratch or poke the sensors.

Side Distance Warning System — If Equipped

DESCRIPTION

The Side Distance Warning system helps detect obstacles alongside the vehicle using parking sensors located in the front and rear fascias/bumpers.

OPERATION

The system provides audible alerts and, when enabled, visual indications in the instrument cluster display.

When the vehicle is in DRIVE, the Side Distance Warning volume and chime type match the Front ParkSense settings. When the vehicle is in REVERSE, the Side Distance Warning volume and chime type match the Rear ParkSense settings.

WARNING ALERTS		
Distance (inches/cm)	**Less than 12 inches (30 cm)**	**12 – 24 inches (30 – 60 cm)**
Arcs-Left	11th Flashing	12th Flashing
Arcs-Right	11th Flashing	12th Flashing
Audible Alert Chime	Continuous	Fast audible chime as the objects get close to the vehicle
Radio Volume Reduced	Yes	Yes

An audible tone will sound only when a collision is possible. When the system emits a tone, the radio volume will automatically be reduced.

The system operates only after the vehicle has traveled a short distance and when vehicle speed is between 0 and 7 mph (0 and 11 km/h).

NOTE:
If ParkSense is deactivated using the ParkSense hard switch, the Side Distance Warning system will also deactivate automatically.

SETTINGS

You can enable or disable the Side Distance Warning feature through the Uconnect Settings menu.

The Side Distance Warning screen is displayed only when the feature is enabled.

When ParkSense is turned off, the instrument cluster displays “PARKSENSE OFF.” Once turned off, ParkSense remains off until it is turned on again, even if the ignition is cycled.

LIMITATIONS

System performance may be affected under certain conditions.

NOTE:
- Ensure the front and rear fascias/bumpers are free of snow, ice, mud, dirt, and debris.
- Construction equipment, large trucks, and external vibrations may affect system performance.
- The presence of a tow hook without a trailer may interfere with sensor operation. Remove the removable tow hook ball assembly and attachments when not in use.

WARNING!

- Drivers must be careful when backing up even when using ParkSense. Always check carefully

(Continued)

WARNING!

behind your vehicle, look behind you, and be sure to check for pedestrians, animals, other vehicles, obstructions, and blind spots before backing up. You are responsible for safety and must continue to pay attention to your surroundings. Failure to do so can result in serious injury or death.

- Before using ParkSense, it is strongly recommended that the ball mount and hitch ball assembly be disconnected from the vehicle when the vehicle is not used for towing. Failure to do so can result in injury or damage to vehicles or obstacles because the hitch ball will be much closer to the obstacle than the rear fascia/bumper when the vehicle sounds the continuous tone. Also, the sensors could detect the ball mount and hitch ball assembly, depending on its size and shape, giving a false indication that an obstacle is behind the vehicle.

CAUTION!

- ParkSense is only a parking aid and it is unable to recognize every obstacle, including small obstacles. Parking curbs might be temporarily detected or not detected at all. Obstacles located above or below the sensors will not be detected when they are in close proximity.
- The vehicle must be driven slowly when using ParkSense in order to be able to stop in time when an obstacle is detected. It is recommended that the driver looks over his/her shoulder when using ParkSense.

TROUBLESHOOTING

Clean the ParkSense sensors regularly. Do not scratch or damage the sensors. The sensors must not be covered with ice, snow, slush, mud, dirt, or debris. If the sensors are obstructed, system performance may be affected. The system may fail to detect an obstacle or may provide a false indication of an obstacle near the fascia/bumper.

The following messages may display if system performance is affected:

"Wipe Sensors"

This message displays if a sensor fault is detected. Inspect the bumpers and remove any snow, ice, mud, dirt, or debris.

"System Not Available"

This message displays if the system is unavailable. This may be caused by insufficient battery voltage or other electrical system conditions. If the message persists, contact an authorized dealer.

PARKSENSE ACTIVE PARK ASSIST SYSTEM — IF EQUIPPED

Description

The ParkSense Active Park Assist system is designed to assist the driver during parallel and perpendicular parking maneuvers. The system can identify a suitable parking space, provide visual and audible guidance, and help guide the vehicle into the selected space.

The ParkSense Active Park Assist system can maneuver the vehicle into a parallel or perpendicular parking space on either the driver or passenger side, depending on the selected maneuver.

Depending on equipment, the system operates in one of two modes:

Semi-Automatic Active Park Assist

In this mode, the system controls the steering wheel only. The driver remains responsible for operating the accelerator pedal, brake pedal, and gear selector throughout the maneuver.

Automated Active Park Assist

In this mode, the system controls the steering wheel, accelerator, brake, and gear selector during the parking maneuver. The system also provides obstacle detection using visual and audible alerts, and may automatically apply the brakes if necessary to help avoid a collision.

The driver can switch between Semi-Automatic and Automated modes through the Uconnect system (if equipped).

If the vehicle is equipped with both Semi-Automatic and Automated modes, the desired mode must be selected in the Uconnect system before beginning a maneuver. Refer to Uconnect Settings ⇨ page 123 for additional information.

NOTE:

- The driver is always responsible for controlling the vehicle and monitoring the surrounding environment.
- The system is intended to assist the driver and does not replace attentive driving.
- If the driver touches the steering wheel after being instructed to remove their hands during a maneuver, the system will cancel and the driver must complete the maneuver manually.

Operation

ENABLING AND DISABLING THE PARKSENSE ACTIVE PARK ASSIST SYSTEM



The ParkSense Active Park Assist system is enabled and disabled using the ParkSense Active Park Assist switch, located on the switch panel in front of the gear selector.

To enable the system, press the ParkSense Active Park Assist switch once. The LED indicator on the switch will illuminate to confirm that the system is active.

To disable the system, press the switch again. The LED indicator will turn off.

When the switch is pressed, the LED will blink momentarily. If required operating conditions are not met, the LED will turn off and the system will not activate.

System Operating Conditions

The system will only search for and perform a parking maneuver when the following conditions are met:

- The gear selector is in DRIVE
- The ignition is in the RUN position
- The ParkSense Active Park Assist switch is activated
- All doors are closed
- The rear liftgate is closed

- Vehicle speed is below:
  - 15 mph (25 km/h) for Semi-Automatic mode
  - 25 mph (40 km/h) for Automated mode
- The outer surfaces and underside of the front and rear fascias/bumpers are clean and free of snow, ice, mud, dirt, or other obstructions

If any of these conditions are not present, the system will not begin searching for a parking space.

System Deactivation Conditions

The system will turn off automatically under certain conditions, including:

- The parking maneuver is completed
- The ParkSense Front and Rear Park Assist switch is pressed
- A trailer is connected
- The vehicle is in 4WD Low
- Adaptive Cruise Control or Active Driving Assist systems are engaged
- Electronic Stability Control or Anti-Lock Braking System intervention occurs
- The rear liftgate is opened

Additional cancellation conditions specific to Semi-Automatic and Automated modes are described in the Limitations ⇨ page 214 section.

System Maneuver Selection

If the vehicle is not in DRIVE and an object is detected in the vehicle's path, the system may default to a Parallel Park Exit maneuver. A prompt will appear in the Uconnect display asking the driver to confirm the maneuver selection.

If no special conditions are detected, the system will default to a Parallel Parking maneuver.

SEARCHING FOR A PARKING SPACE

When the system is enabled and all operating conditions are met, press **"Park"** on the Uconnect display. The system will begin searching for valid parallel and perpendicular parking spaces.

As the vehicle moves forward, detected parking spaces will be displayed in the Uconnect screen. Both parallel and perpendicular spaces may be shown, and the available spaces update in real time as the vehicle moves.

While searching:

- Drive slowly and position the vehicle as parallel (for parallel parking) or as perpendicular (for perpendicular parking) to surrounding vehicles as possible.
- If the vehicle is in DRIVE, a full-screen search view will be displayed.
- If the vehicle is shifted into REVERSE while searching, a camera view will appear along with a "Shift To Drive" message.

When a valid parking space is detected, the system will prompt the driver to stop the vehicle.

SELECTING A PARKING SPACE

Once the vehicle is stopped, select the desired parking space by pressing it on the Uconnect display.

If a space selection is attempted before the vehicle is fully stopped, the display will instruct the driver to stop the vehicle before making a selection.



Select A Space

If a perpendicular parking space is selected, the system will prompt the driver to choose a parking method:

- **Forward**
- **Reverse**



Choose Perpendicular Parking Method

To change the selected parking space, press the **"Back"** button on the display to return to the space selection screen.

NOTE:

- The driver must ensure the selected parking space is suitable and free of obstructions, including pedestrians, bicycles, overhanging objects, or items protruding into the space.
- The driver remains responsible for monitoring the surroundings throughout the maneuver.

WARNING!

- Drivers must be careful when performing parallel or perpendicular parking maneuvers even when using the ParkSense Active Park Assist system. Always check carefully behind and in front of your vehicle, look behind and in front of you, and be sure to check for pedestrians, animals, other vehicles, obstructions, and blind spots before backing up and moving forward. You are responsible for safety and must continue to pay attention to your surroundings. Failure to do so can result in serious injury or death.
- Before using the ParkSense Active Park Assist system, it is strongly recommended that the ball mount and hitch ball assembly be disconnected from the vehicle when the vehicle is not used for towing. Failure to do so can result in injury or damage to vehicles or obstacles because the hitch ball will be much closer to the obstacle than the rear fascia/bumper when the vehicle sounds the continuous tone. Also, the sensors could detect

(Continued)

WARNING!

the ball mount and hitch ball assembly, depending on its size and shape, giving a false indication that an obstacle is behind the vehicle.

CAUTION!

- The ParkSense Active Park Assist system is only a parking aid and it is unable to recognize every obstacle, including small obstacles. Parking curbs might be temporarily detected or not detected at all. Obstacles located above or below the sensors will not be detected when they are in close proximity.
- The vehicle must be driven slowly when using the ParkSense Active Park Assist system in order to be able to stop in time when an obstacle is detected. It is recommended that the driver looks over his/her shoulder when using the ParkSense Active Park Assist system.

AUTOMATED PARKING MANEUVER

Once a parking space has been selected, the display will instruct the driver to:

- Press and hold the brake pedal
- Press and hold the Active Park Assist switch

Both conditions must be met to begin the maneuver. The Active Park Assist switch must remain pressed for the duration of the automated maneuver.

When the switch is held, the turn signal on the side of the selected parking space will automatically activate. The system will then instruct the driver to remove hands from the steering wheel and feet from the pedals. This instruction will remain on the screen for at least two seconds, or until the brake pedal is released.

When the maneuver begins:

- A Top View display will appear on the Uconnect screen
- A rear or forward camera view will be shown, depending on the selected gear

The Top View display includes ParkSense distance arcs at the front and rear of the vehicle. These arcs change from yellow to red as the vehicle approaches an object.

The system will automatically control steering, acceleration, braking, and gear selection to guide the vehicle into the parking space.

When the maneuver is complete:

- The vehicle will automatically shift into PARK
- A "Complete!" message will appear
- The driver will be instructed to release the Active Park Assist switch

After the switch is released:

- A chime will sound
- The LED on the switch will turn off
- The previous Uconnect screen will return after approximately five seconds

NOTE:

- The driver must continue to monitor the vehicle's surroundings at all times.

- The driver must be prepared to take control of the vehicle if the system cancels or driver intervention is required.

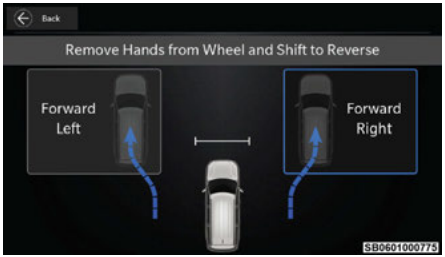
Automated Parking — Parallel Exit

To begin a parallel park exit maneuver:

1. Ensure the vehicle is stopped.
2. Press the **ParkSense Active Park Assist** switch if the system is not already enabled.
3. Press **"Exit"** on the Uconnect display.

The system will prompt the driver to select an exit direction:

- **Forward Left**
- **Forward Right**



Choose Exit Method

If an exit method is selected before the vehicle is fully stopped, the display will instruct the driver to stop the vehicle before continuing.

Once an exit direction has been selected, the display will instruct the driver to:

- Press and hold the brake pedal
- Press and hold the Active Park Assist switch

Both conditions must be met to begin the exit maneuver.

When the switch is held, the turn signal corresponding to the selected exit direction will activate automatically.

The system will then instruct the driver to remove hands from the steering wheel and feet from the pedals. This instruction will remain visible for at least two seconds, or until the brake pedal is released.

When the exit maneuver begins:

- A Top View display will appear
- A rear or forward camera view will be shown, depending on the selected gear

The Top View display includes ParkSense distance arcs at the front and rear of the vehicle. These arcs change from yellow to red as the vehicle approaches an object.

The system will automatically control steering, acceleration, braking, and gear selection to guide the vehicle out of the parking space.

The automated exit maneuver ends when the vehicle is clear of the parking space. At completion:

- The vehicle will be in DRIVE
- The system will hold the vehicle hydraulically using the brakes until the accelerator pedal is pressed
- A completion message will appear

When the driver presses the accelerator pedal:

- Vehicle control returns fully to the driver
- A chime will sound
- The LED on the switch will turn off
- The previous Uconnect screen will return after approximately five seconds

Automated Parking — Pause And Resume

During an automated parking or exit maneuver, the system may pause under certain conditions.

The maneuver will pause if:

- The driver releases the Active Park Assist switch
- An object is detected in the vehicle's path

If the maneuver pauses:

- The system will automatically bring the vehicle to a stop
- The vehicle will be held hydraulically using the brakes

If the pause was caused by releasing the switch, the display will instruct the driver to press and hold the Active Park Assist switch to resume the maneuver. If the driver does not resume holding the switch, the maneuver will cancel. If canceled, the driver must complete the maneuver manually.

If the pause was caused by an object in the vehicle's path, a message will appear in the display. The maneuver will remain paused until the object is no longer detected. Once the path is clear, the driver may

resume the maneuver by pressing and holding the Active Park Assist switch.

The system may also pause if the vehicle is shifted into REVERSE before the Active Park Assist switch is held. In this case, the display will instruct the driver to shift into DRIVE to continue the maneuver.

SEMI-AUTOMATED PARKING MANEUVER

After a parking space has been selected, the display will instruct the driver to:

- Remove hands from the steering wheel
- Shift the vehicle into REVERSE

When the maneuver begins, a camera view will appear on the Uconnect display with step-by-step instructions that remain visible for the duration of the maneuver.

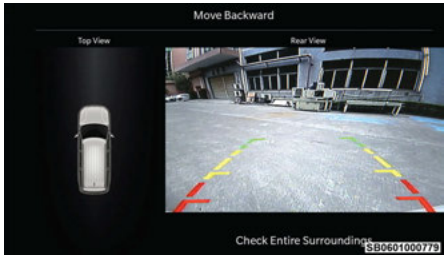
In Semi-Automatic mode:

- The system controls the steering wheel
- The driver controls the brake pedal, accelerator pedal, and gear selector

The driver must follow the on-screen prompts while monitoring the vehicle's surroundings.

The system may instruct the driver to:

- Move backward
- Stop
- Shift between DRIVE and REVERSE
- Wait while steering adjustments are completed



Move Backward

During the maneuver:

- Keep hands off the steering wheel
- Use the brake and accelerator pedals as instructed
- Shift gears when prompted

The system allows a limited number of shifts between DRIVE and REVERSE during the maneuver. If the maneuver cannot be completed within the allowed number of shifts, the system will cancel and instruct the driver to complete the maneuver manually.

When the vehicle reaches the final parking position:

- A "Complete! Check Parking Position" message will appear
- The driver must verify the vehicle position
- Shift the vehicle into PARK

NOTE:

- The driver is responsible for operating the brake and accelerator pedals at all times during a Semi-Automatic maneuver.
- If the steering wheel is touched during active steering guidance, the maneuver will cancel and the driver must complete the maneuver manually.
- If the system cancels for any reason, the driver must take full control of the vehicle.

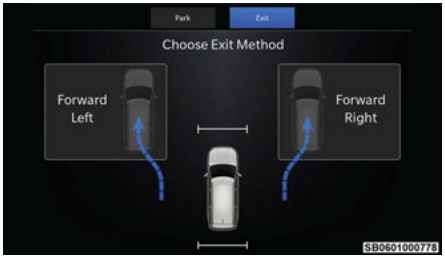
Semi-Automated Parking — Parallel Exit

To begin a parallel park exit maneuver:

1. Ensure the vehicle is stopped.
2. Press the **ParkSense Active Park Assist** switch if the system is not already enabled.
3. Press **"Exit"** on the Uconnect display.

The system will prompt the driver to select an exit direction:

- **Forward Left**
- **Forward Right**



Choose Exit Method

After an exit direction is selected, the display will instruct the driver to:

- Remove hands from the steering wheel
- Shift the vehicle into REVERSE

In Semi-Automatic mode during a parallel exit:

- The system controls steering
- The driver controls the brake pedal, accelerator pedal, and gear selector

The driver must follow the on-screen prompts while monitoring the surroundings.

Release the steering wheel and use the brake, accelerator, and gear selector as instructed while the system automatically steers the vehicle out of the parking space.

If the steering wheel is touched during active steering guidance, the maneuver will be interrupted and the driver must complete the exit manually.

The maneuver ends when a completion message appears on the display. At that point:

- Full vehicle control remains with the driver
- The system disengages steering assistance

Limitations

System Deactivation Conditions

The system will turn off automatically if:

- The parking maneuver is completed
- The ParkSense Front and Rear Park Assist switch is pressed
- A trailer is connected
- The vehicle is in 4WD Low
- Cruise Control, Adaptive Cruise Control, or Active Driving Assist systems are engaged
- Electronic Stability Control (ESC) or Anti-Lock Braking System (ABS) intervention occurs
- The rear liftgate is opened

If a maneuver is canceled, the driver must take full control of the vehicle and complete the maneuver manually.

Environmental And Sensor Limitations

System performance may be reduced or unavailable if:

- Heavy rain, snow, or environmental conditions interfere with ultrasonic sensors
- The parking surface absorbs ultrasonic waves
- The front or rear fascias/bumpers are obstructed by snow, ice, mud, dirt, or debris

Calibration Requirement

New vehicles from an authorized dealership must accumulate at least 30 miles (48 km) of driving before the ParkSense Active Park Assist system is fully calibrated and performs at optimal accuracy.

During this initial driving period, the system performs a dynamic vehicle calibration to refine feature performance. The system will continue to perform dynamic calibration throughout the life of the vehicle to account for conditions such as tire wear, tire replacement, and variations in tire inflation.

Obstacle Detection Limitations

The system may not detect:

- Small obstacles
- Objects above or below the sensor detection range
- Parking curbs in certain conditions

Drivers must visually verify surroundings before and during a maneuver.

Hitch And Towing Equipment

It is strongly recommended that the ball mount and hitch ball assembly be removed when not in use. Towing equipment may interfere with sensor detection.

LIMITATIONS — AUTOMATED SYSTEM

The system will not search for a parking space if vehicle speed exceeds 25 mph (40 km/h).

During an active maneuver, the system will cancel if:

- Vehicle speed exceeds 25 mph (40 km/h)
- The brake or accelerator pedal is pressed during active steering guidance
- Any door is opened
- The steering wheel is touched

During an automated maneuver, the system may pause if:

- The Active Park Assist switch is released
- An object is detected in the vehicle's path

If not resumed, the maneuver will cancel.

The system must be reactivated by pressing the ParkSense Active Park Assist switch before beginning a new maneuver.

LIMITATIONS — SEMI-AUTOMATED SYSTEM

The system will not search for a parking space if vehicle speed exceeds 18 mph (30 km/h).

The system provides a warning at approximately 15 mph (25 km/h) instructing the driver to slow down.

During active steering guidance, the system will cancel if:

- Vehicle speed exceeds 18 mph (30 km/h)
- Vehicle speed exceeds 5 mph (7 km/h) during steering engagement
- The steering wheel is touched
- The driver door is opened

The system allows a limited number of shifts between DRIVE and REVERSE during a maneuver. If the maneuver cannot be completed within the allowed number of shifts, the system will cancel and instruct the driver to complete the maneuver manually.

The system must be reactivated by pressing the ParkSense Active Park Assist switch before beginning a new maneuver.

DRIVER ATTENTION ASSISTANCE SYSTEM

Drowsy Driver Detection — If Equipped

Description

Drowsy Driver Detection monitors driver behavior to help identify signs of fatigue and provides a warning suggesting the driver take a break.

Operation

Drowsy Driver Detection can be turned on or off through the Uconnect system:

1. Select "Safety & Driving Assistance"
2. Select "Drowsy Driver Detection"

The system monitors driver inputs, including steering behavior, driver interactions, and front camera input, to evaluate driver alertness.

The system also measures the time spent driving within a speed range of approximately 40 mph (60 km/h) to 100 mph (160 km/h).

If the system detects signs of reduced alertness and determines that the driver may have difficulty maintaining lane position, a message will appear in the instrument cluster display recommending a break. An audible signal will also sound.



Drowsy Driver Warning Message

The message will remain on the display until the "OK" button on the steering wheel is pressed.

NOTE:

If a system fault is detected, a message will appear in the instrument cluster display.

WARNING!
The Drowsy Driver Detection system is an aid for driving and does not relieve the driver of the responsibility of driving the vehicle. If you experience fatigue while driving, pull over safely for a break without waiting for the DDD to intervene. Only return to the road when you are in the right physical and mental condition to prevent endangering yourself and other drivers.

SPEED CONTROL ASSISTANCE SYSTEM

Adaptive Cruise Control (ACC)

Description

Adaptive Cruise Control (ACC) maintains a set speed and automatically adjusts your vehicle's speed to help maintain a selected following distance from the vehicle ahead. It is intended for use on highways and major roadways.

ACC uses a radar sensor and a forward-facing camera to detect a vehicle directly ahead. If a vehicle is detected, the system can apply limited braking or acceleration (not exceeding the set speed) to help maintain the selected following distance.

ACC is a convenience feature. It is not a safety system and is not designed to prevent collisions.

WARNING!

- Adaptive Cruise Control (ACC) is a convenience system. It is not a substitute for active driver involvement. It is always the driver's responsibility to be attentive of road, traffic, and weather conditions, vehicle speed, distance to the vehicle ahead and, most importantly, brake operation to ensure safe operation of the vehicle under all road conditions. Your complete attention is always required while driving to maintain safe control of your vehicle. Failure to follow these warnings can

(Continued)

WARNING!

result in a collision and death or serious personal injury.

- The ACC system:
  - Does not react to pedestrians, oncoming vehicles, and stationary objects (e.g., a stopped vehicle in a traffic jam or a disabled vehicle).
  - Cannot take street, traffic, and weather conditions into account, and may be limited upon adverse sight distance conditions.
  - Does not always fully recognize complex driving conditions, which can result in wrong or missing distance warnings.
  - Will bring the vehicle to a complete stop and hold the vehicle in the stop position for approximately 10 minutes when following a vehicle ahead. If the vehicle ahead does not start moving within 10 minutes, the parking brake will be activated, and the ACC system will be canceled.
- You should not utilize the ACC system:
  - When driving in fog, heavy rain, heavy snow, sleet, heavy traffic, and complex driving situations (i.e., in highway construction zones).
  - When entering a turn lane or highway off-ramp; when driving on roads that are winding, icy, snow-covered, slippery, or have steep uphill or downhill slopes.
  - When towing a trailer up or down steep slopes.
  - When circumstances do not allow safe driving at a constant speed.

Operation

The buttons on the right side of the steering wheel operate the ACC system.



Adaptive Cruise Control Buttons

1 — Distance Increase Button
2 — Adaptive Cruise Control (ACC) On/Off
3 — CANC/Cancel
4 — Distance Decrease Button
5 — SET (+)/Accel
6 — Active Driving Assist (ADA) On/Off
7 — RES/Resume
8 — SET (-)/Decel

INSTRUMENT CLUSTER DISPLAY

The instrument cluster displays the current status of Adaptive Cruise Control (ACC). It may also display information related to Active Lane Management (ALM) and Active Driving Assist (ADA), depending on system status.

When ACC is turned off, the display shows:

Adaptive Cruise Control Off

When ACC is turned on but no speed has been set, the display shows:

Adaptive Cruise Control Ready

When a speed is set using the SET (+) or SET (-) button, the display shows:

Adaptive Cruise Control Set

The selected set speed is shown in the instrument cluster display while ACC is active.

The ACC display may also appear when one of the following events occurs:

- System Cancel
- Driver Override
- System Off
- ACC Proximity Warning
- ACC Unavailable Warning

After approximately five seconds with no ACC activity, the instrument cluster returns to the previously selected display screen.

TURNING ACC ON AND OFF

To turn ACC on, push and release the Adaptive Cruise Control (ACC) on/off button. The system enters the Ready state.

To turn ACC off, push and release the Adaptive Cruise Control (ACC) on/off button again.

The system will turn off and erase the stored set speed if:

- The Adaptive Cruise Control (ACC) on/off button is pushed
- The ignition is placed in the OFF position
- 4WD Low is engaged

WARNING!

Leaving the Adaptive Cruise Control (ACC) system on when not in use is dangerous. You could accidentally set the system or cause it to go faster than you want. You could lose control and have a collision. Always leave the system off when you are not using it.

TO CANCEL

The following conditions cancel Adaptive Cruise Control (ACC):

- The brake pedal is applied
- The CANC (cancel) button is pushed
- The Anti-Lock Brake System (ABS) activates
- The gear selector is removed from the DRIVE position
- The Electronic Stability Control/Traction Control System (ESC/TCS) activates
- The parking brake is applied
- The Trailer Sway Control (TSC) activates
- ESC is switched to Full Off mode
- The braking system temperature exceeds the normal operating range (overheated)

SETTING A SPEED

The minimum set speed for Adaptive Cruise Control (ACC) is 20 mph (32 km/h).

When the vehicle reaches the desired speed, push and release the SET (+) or SET (-) button. The selected speed is stored and shown in the instrument cluster display.

If ACC is set while the vehicle speed is below 20 mph (32 km/h), the system automatically defaults the set speed to 20 mph (32 km/h).

ADJUSTING THE SET SPEED

To increase or decrease the stored set speed, push the SET **(+)** button to increase speed or the SET **(-)** button to decrease speed.

U.S. Speed (mph)

- Pressing SET **(+)** or SET **(-)** once changes the set speed by 1 mph. Each additional press changes the speed by 1 mph.
- Pressing and holding the button adjusts the set speed in 5 mph increments until the button is released. The updated set speed is shown in the instrument cluster display.

Metric Speed (km/h)

- Pressing SET **(+)** or SET **(-)** once changes the set speed by 1 km/h. Each additional press changes the speed by 1 km/h.
- Pressing and holding the button adjusts the set speed in 10 km/h increments until the button is released. The updated set speed is shown in the instrument cluster display.

NOTE:

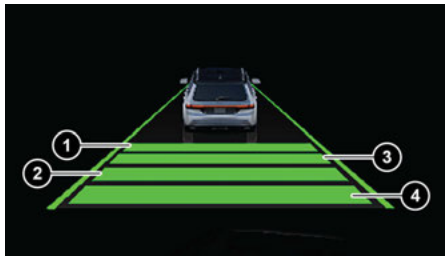
If you press the accelerator pedal and then push SET **(+)** or SET **(-)**, the current vehicle speed becomes the new set speed.

If you continue pressing the accelerator pedal beyond the set speed while ACC is active, the system does not control the following distance. Vehicle speed is determined by accelerator pedal position. The message "Driver Override" appears in the instrument cluster display.

SETTING THE FOLLOWING DISTANCE

Adaptive Cruise Control (ACC) allows you to select how closely your vehicle follows the vehicle ahead. The selected distance setting determines how much space the system maintains between your vehicle and the detected vehicle in the same lane.

You can choose one of four distance settings:



Distance Settings

1 — Four Bars (Longest Distance)
2 — Two Bars (Medium Distance)
3 — Three Bars (Long Distance)
4 — One Bar (Short Distance)

The selected distance setting appears in the instrument cluster display.

To increase the following distance, push and release the Distance Increase button. Each press increases the distance by one bar.

To decrease the following distance, push and release the Distance Decrease button. Each press decreases the distance by one bar.

If no vehicle is detected ahead, ACC maintains the set speed. If a slower-moving vehicle is detected in the same lane, the system automatically adjusts vehicle speed to maintain the selected following distance. The ACC Set With Target Detected indicator appears in the instrument cluster display.

ACC can decelerate the vehicle to a full stop when following a vehicle ahead.

ACC maintains the selected distance until:

- The vehicle ahead accelerates above the set speed.
- The vehicle ahead moves out of the lane or sensor view.
- The distance setting is changed.
- The system disengages.

The maximum braking applied by ACC is limited; however, the driver can always apply the brakes manually, if necessary.

NOTE:

The maximum braking applied by ACC is limited. You can apply the brakes at any time if additional braking is required. The brake lights illuminate whenever ACC applies the brakes.

If ACC determines that maximum braking is not sufficient to maintain the selected distance, a "BRAKE!" warning flashes in the instrument cluster display and a chime sounds. This warning indicates that driver action is required and does not necessarily mean that Forward Collision Warning is automatically applying the brakes.

STOP AND GO OPERATION

When Adaptive Cruise Control (ACC) brings the vehicle to a standstill while following a vehicle ahead, the system automatically resumes movement if the vehicle ahead begins moving within two seconds.

If the vehicle ahead does not begin moving within two seconds, you must press the RES (resume) button or

apply the accelerator pedal to reengage ACC at the existing set speed.

If the vehicle remains at a standstill, ACC maintains brake pressure for up to 10 minutes. If no driver action is taken within 10 minutes, the Electric Park Brake is applied and ACC cancels.

ACC will also cancel and apply the Electric Park Brake if:

- The driver seat belt is unbuckled at low speeds
- The driver door is opened at low speeds

WARNING!

When the ACC system is resumed, the driver must ensure that there are no pedestrians, vehicles or objects in the path of the vehicle. Failure to follow these warnings can result in a collision and death or serious personal injury.

TO RESUME

If there is a set speed in memory, push the RES (resume) button and remove your foot from the accelerator pedal. The instrument cluster display will show the last set speed.

Resume can be used at any speed above 0 mph (0 km/h) when ACC is active.

NOTE:

- When ACC has brought the vehicle to a complete stop for longer than two seconds, press the RES (resume) button or apply the accelerator pedal to reengage the system.
- ACC cannot be resumed if there is a stationary vehicle in close proximity ahead of your vehicle.

WARNING!

The Resume function should only be used if traffic and road conditions permit. Resuming a set speed that is too high or too low for prevailing traffic and road conditions could cause the vehicle to accelerate or decelerate too sharply for safe operation. Failure to follow these warnings can result in a collision and death or serious personal injury.

OVERTAKE AID

When Adaptive Cruise Control (ACC) is engaged and you are following a vehicle, the system provides additional acceleration, up to the set speed, to assist with passing.

In locations with left-hand traffic, the additional acceleration is activated when you use the left turn signal and is available only when passing on the left side.

In locations with right-hand traffic, the additional acceleration is activated when you use the right turn signal and is available only when passing on the right side.

NOTE:

If the vehicle transitions between left-hand traffic and right-hand traffic locations, the ACC system automatically detects the direction of traffic.

Limitations

SYSTEM AVAILABILITY

Adaptive Cruise Control (ACC) may be unavailable or may not engage under certain conditions.

Any chassis, suspension, or tire size modifications may affect the performance of Adaptive Cruise Control (ACC) and Forward Collision Warning.

You cannot engage ACC under the following conditions:

- 4WD Low is engaged
- The brake pedal is applied
- The parking brake is applied
- The transmission is in PARK, REVERSE, or NEUTRAL
- The braking system temperature exceeds the normal operating range (overheated)
- The driver door is open at low speeds
- The driver seat belt is unbuckled at low speeds
- A stationary vehicle is detected in close proximity
- Electronic Stability Control (ESC) Full Off mode is active

If a condition that caused ACC to deactivate is no longer present, the system returns to the “Adaptive Cruise Control Off” state. You must reactivate the system to resume operation.

TOWING AND TRAILER CONDITIONS

Adaptive Cruise Control (ACC) performance may change when towing.

When towing a trailer, ACC is recommended only with an Integrated Trailer Brake Controller. Aftermarket trailer brake controllers will not activate the trailer brakes when ACC applies braking.

If an accessory light or other device is connected to the trailer lighting connector, the system may interpret this

as a trailer being attached. In this condition, ACC may adjust its performance as if a trailer is present. This may result in:

- Increased acceleration rates
- More aggressive throttle response
- Occasional overshoot of the set speed

This behavior occurs because the system adjusts performance to account for the additional weight it anticipates when a trailer is present. If no trailer is attached, disconnect the accessory from the trailer lighting connector to restore standard ACC operation.

ROAD AND TERRAIN CONDITIONS

ACC performance may be affected by road geometry and terrain.

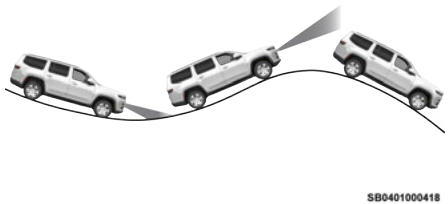
Turns and Bends

When driving on curves with ACC engaged, the system may increase or decrease vehicle speed for stability, even if no vehicle is detected ahead. Once the vehicle exits the curve, ACC resumes the previously set speed.

NOTE:
On tight turns, ACC performance may be limited.

Using ACC On Hills

ACC performance may be limited when driving on hills. The system may not detect a vehicle in your lane depending on vehicle speed, load, traffic conditions, and the steepness of the hill.



ACC Hill Example

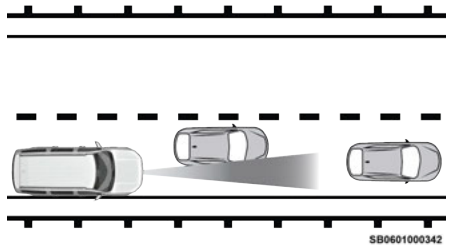
VEHICLE DETECTION CONDITIONS

In certain driving situations, ACC may have detection issues. In these cases, ACC may brake late or unexpectedly. The driver needs to stay alert and may need to intervene.

The following examples illustrate situations where vehicle detection may be limited:

Offset Driving

ACC may not detect a vehicle in the same lane that is offset from your direct line of travel, or a vehicle merging from a side lane. The offset vehicle may move in and out of the detection path, which can cause the vehicle to brake or accelerate unexpectedly.



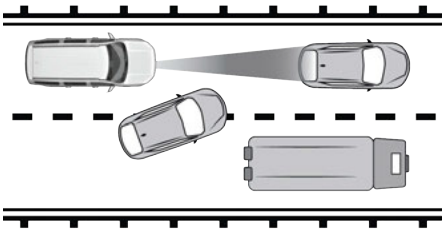
Offset Driving Condition Example

Lane Changing

ACC may not detect a vehicle changing lanes until it is fully within your lane of travel. In some situations, the system may not detect the vehicle in time to respond appropriately.

There may not be sufficient distance to the lane-changing vehicle for ACC to maintain the set following distance.

You must remain attentive and be prepared to apply the brakes if necessary.

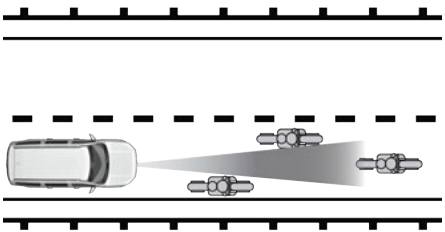


Lane Changing Example

Narrow Vehicles

Some narrow vehicles traveling near the outer edges of the lane or partially within the lane may not be detected until they move fully into your lane of travel.

There may not be sufficient distance to the vehicle ahead for the system to maintain the set following distance.

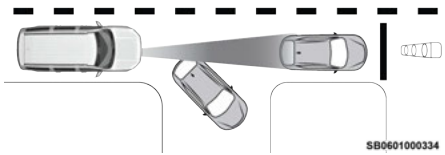


Narrow Vehicle Example

Stationary Objects and Vehicles

ACC does not react to stationary objects or vehicles. For example, if the vehicle you are following exits your lane and a stopped vehicle is ahead in your lane, ACC may not respond because the stopped vehicle was not previously detected as moving.

You must remain attentive and be prepared to apply the brakes if necessary.



Stationary Object And Stationary Vehicle Example

Troubleshooting

ACC UNAVAILABLE — WIPE FRONT RADAR SENSOR

The message “ACC Unavailable Wipe Front Radar Sensor” will display and a chime will sound when conditions temporarily limit system performance.

This may occur during poor visibility conditions such as snow or heavy rain. The radar sensor may also be obstructed by mud, dirt, or ice. In these cases, the system will deactivate.

This message may also appear in highly reflective environments, such as snow-covered roads or tunnels with reflective surfaces. Under rare conditions, the warning may appear when the radar is not tracking any vehicles or objects in its path.

If weather conditions are not a factor, inspect the radar sensor and remove any obstruction. The radar sensor is located in the center of the vehicle behind the lower grille.

To maintain proper ACC operation:

- Keep the sensor clean. Carefully wipe the sensor lens with a soft cloth. Do not damage the lens.
- Do not remove screws from the sensor. Removal may cause malfunction and require realignment.
- If the sensor or front end of the vehicle is damaged in a collision, see an authorized dealer.
- Do not install accessories near the sensor, including transparent materials or aftermarket grilles.

NOTE:

- If this message occurs frequently without snow, rain, mud, or other obstructions, have the radar sensor inspected and realigned by an authorized dealer.
- Installing a snowplow, front-end protector, aftermarket grille, or modifying the grille may block the sensor and inhibit ACC operation.

ACC LIMITED FUNCTIONALITY — CLEAN FRONT WINDSHIELD

The message “ACC Limited Functionality Clean Front Windshield” will display and a chime will sound when conditions temporarily limit system performance.

This may occur during poor visibility conditions such as snow, heavy rain, or fog. The forward-facing camera may also be obstructed by mud, dirt, ice, or interior windshield fog. In these cases, ACC performance may be reduced.

The system typically returns to full functionality once the obstruction or condition is no longer present.

If weather conditions are not a factor, inspect the windshield and the camera located behind the inside rearview mirror. Clean or remove any obstruction as necessary.

NOTE:
If this message occurs frequently without visible obstruction or weather conditions, have the windshield and forward-facing camera inspected by an authorized dealer.

SERVICE ACC WARNING

If the instrument cluster displays "ACC Unavailable Service Required" or "Cruise Unavailable Service Required," there may be an internal system fault or temporary malfunction.

The vehicle remains drivable under normal conditions; however, ACC will be unavailable.

If this occurs, attempt to reactivate ACC after cycling the ignition. If the condition persists, see an authorized dealer.

TRAFFIC SIGN ASSIST (TSA) — IF EQUIPPED

Description

TSA uses a forward-facing camera and navigation map data to display the most relevant information about current speed limits.

Displayed information may include:

- Unrestricted speed limit
- Conditional speed limit
- No passing zones

NOTE:
The system displays detected road signs using the selected unit of measurement (mph or km/h) set in Uconnect or the instrument cluster display.

Operation

TSA can be enabled or disabled through the Uconnect system in the Safety/Driver Assistance menu. When the system is on, detected road signs are shown in the instrument cluster display.

The system has three selectable modes:

Visual

When Visual is selected, the system provides a visual alert when vehicle speed exceeds the detected speed limit. The speed limit is highlighted in red while the speed limit plus offset is exceeded.

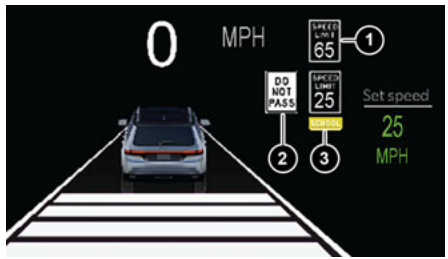
Visual + Chime

When Visual + Chime is selected, the system provides a visual alert and a single chime when vehicle speed exceeds the detected speed limit. The speed limit remains highlighted in red while vehicle speed exceeds the speed limit plus selected offset.

Off

When the system is turned off, traffic signs are not displayed and no alerts are provided.

Detected traffic signs are shown in the instrument cluster display and may include multiple signs at the same time, depending on available information.



Traffic Signs Recognized

1 — Current Speed Limit
2 — No Passing Zone Detected
3 — Conditional Speed Limit Detected (School Zone)

Supplemental information may be displayed with a newly detected speed limit to indicate special conditions. Supplemental signs are available on the Driver Assist screen and may include:

- School
- Construction

WARNING!

Traffic Sign Assist (TSA) is a convenience system. It is not a substitute for active driver involvement. It is always the driver's responsibility to be attentive of road, traffic, and weather conditions, vehicle speed, distance to the vehicle ahead and, most importantly, brake operation to ensure safe operation of the vehicle under all road conditions. Your complete attention is always required while driving to maintain safe control of your vehicle. Failure to follow these warnings can result in a collision and death or serious personal injury.

CAUTION!

- Functionality may be limited or the system may not work if the sensor is obstructed.
- The system may have limited operation or not work at all in weather conditions such as heavy rain, hail, and thick fog. Strong light contrasts can influence the recognition capability of the sensor.
- The area surrounding the sensor must not be covered with stickers or any other object.
- Do not tamper or perform any operations in the area of the windshield glass directly surrounding the sensor.
- Clean foreign matters such as bird droppings, insects, snow or ice on the windshield. Use specific detergents and clean cloths to avoid scratching the windshield.

OFF ROAD AND LOW-RANGE OPERATIONS ASSISTANCE SYSTEM

Hill Descent Control (HDC)



HDC is intended for low-speed off-road driving in 4WD Low. The system helps maintain a controlled vehicle speed when descending hills by automatically applying the brakes.

Operation

HDC has three states:

- **Off:** The system is not enabled and will not activate
- **Enabled:** The system is on and ready, but activation conditions are not met or the driver is overriding the system
- **Active:** The system is actively controlling vehicle speed

To enable HDC, press the HDC switch. The following conditions must also be met:

- The driveline is in 4WD Low
- Vehicle speed is below 5 mph (8 km/h)
- The parking brake is released
- The driver door is closed

Once enabled, the system will automatically activate when descending a hill of sufficient grade.

The system maintains a target speed, which can be adjusted using the gear shift +/-.

Target Set Speeds:

- P — No set speed (system will not activate)
- R — 0.6 mph (1 km/h)
- N — 1.2 mph (2 km/h)
- D — 0.6 mph (1 km/h)
- 1st — 0.6 mph (1 km/h)
- 2nd — 1.2 mph (2 km/h)
- 3rd — 1.8 mph (3 km/h)
- 4th — 2.5 mph (4 km/h)
- 5th — 3.1 mph (5 km/h)
- 6th — 3.7 mph (6 km/h)
- 7th — 4.3 mph (7 km/h)
- 8th — 5.0 mph (8 km/h)
- 9th — 5.6 mph (9 km/h) — If Equipped

NOTE:

The +/- shifter adjusts the HDC target speed and does not change the transmission gear. The transmission will shift as needed based on the selected speed and driving conditions.

The driver can override the system at any time by applying the throttle or brake.

The system will deactivate but remain available if:

- The driver overrides the system with throttle or brake input
- Vehicle speed exceeds 20 mph (32 km/h) but remains below 40 mph (64 km/h)
- The vehicle is not on a sufficient downhill grade
- The vehicle is shifted into PARK

The system will deactivate and turn off if:

- The HDC switch is pressed
- The driveline is shifted out of 4WD Low
- The parking brake is applied
- The driver door is opened
- Vehicle speed exceeds 20 mph (32 km/h) for more than 70 seconds
- Vehicle speed exceeds 40 mph (64 km/h)
- Excessive brake temperature is detected

The instrument cluster and HDC switch indicator provide system status:

- Solid illumination indicates the system is enabled or active
- Flashing followed by turning off indicates enable conditions were not met
- Flashing followed by turning off indicates the system was disabled due to vehicle speed
- Flashing indicates the system is temporarily unavailable due to high brake temperature and will resume once the brakes have cooled

WARNING!

HDC is only intended to assist the driver in controlling vehicle speed when descending hills. The driver must remain attentive to the driving conditions and is responsible for maintaining a safe vehicle speed.

Hill Start Assist (HSA)

Hill Start Assist is designed to help prevent vehicle roll-back when starting from a stop on an incline. When the brake pedal is released, the system holds brake pressure for a short period to allow time to apply the accelerator. If the accelerator is not applied, brake pressure is released and the vehicle may roll as normal.

Operation

HSA activates when the following conditions are met:

- The feature is enabled
- The vehicle is stopped
- The parking brake is released
- The driver door is closed
- The vehicle is on a sufficient incline
- The selected gear matches the uphill direction
  - Forward gear when facing uphill
  - REVERSE (R) when backing uphill
- The transmission is not in PARK (P) or NEUTRAL (N)

When the brake pedal is released while on an incline, the system will hold brake pressure for a short period. If the accelerator is applied during this time, the vehicle will begin to move in the intended direction.

If the accelerator is not applied, brake pressure will be released and the vehicle may roll.

HSA can be turned on or off through the instrument cluster display ⇨ page 101 or Uconnect settings ⇨ page 123.

Towing With Hill Start Assist

HSA also helps reduce roll-back when towing a trailer.

WARNING!

There may be situations where the Hill Start Assist (HSA) will not activate and slight rolling may occur, such as on minor hills or with a loaded vehicle, or while pulling a trailer. HSA is not a substitute for active driving involvement. It is always the driver's responsibility to be attentive to distance to other vehicles, people, and objects, and most importantly brake operation to ensure safe operation of the vehicle under all road conditions. Your complete attention is always required while driving to maintain safe control of your vehicle. Failure to follow these warnings can result in a collision or serious personal injury.

WARNING!

- If you use a trailer brake controller with your trailer, the trailer brakes may be activated and deactivated with the brake switch. If so, there may not be enough brake pressure to hold both the

(Continued)

WARNING!

vehicle and the trailer on a hill when the brake pedal is released. In order to avoid rolling down an incline while resuming acceleration, manually activate the trailer brake or apply more vehicle brake pressure prior to releasing the brake pedal.

- HSA is not a parking brake. Always apply the parking brake fully when exiting your vehicle. Also, be certain to place the transmission in PARK.
- Failure to follow these warnings can result in a collision or serious personal injury.

Selec Speed Control (SSC)

Description



SSC is intended for off-road driving in 4WD Low. The system helps maintain a controlled vehicle speed by managing engine torque and braking.

Operation

SSC has three states:

- **Off:** The system is not enabled and will not activate
- **Enabled:** The system is on and ready, but activation conditions are not met or the system is being overridden
- **Active:** The system is actively controlling vehicle speed

To enable SSC, press the SSC switch. The following conditions must also be met:

- The driveline is in 4WD Low
- Vehicle speed is below 5 mph (8 km/h)
- The parking brake is released
- The driver door is closed
- The driver is not applying the throttle

Once enabled, the system will automatically activate when the following conditions are met:

- The throttle is released
- The brake is released
- The transmission is not in PARK
- Vehicle speed is below 20 mph (32 km/h)

The system maintains a target speed, which can be adjusted using the gear shift +/-. The target speed may be reduced when climbing a grade, depending on the slope.

Target Set Speeds:

- 1st — 0.6 mph (1 km/h)
- 2nd — 1.2 mph (2 km/h)
- 3rd — 1.8 mph (3 km/h)
- 4th — 2.5 mph (4 km/h)
- 5th — 3.1 mph (5 km/h)
- 6th — 3.7 mph (6 km/h)
- 7th — 4.3 mph (7 km/h)
- 8th — 5.0 mph (8 km/h)
- 9th — 5.6 mph (9 km/h) — If Equipped
- REVERSE — 0.6 mph (1 km/h)
- NEUTRAL — 1.2 mph (2 km/h)
- PARK — The system remains enabled but will not activate

NOTE:

- The +/- shifter adjusts the SSC target speed and does not change the transmission gear. The transmission will shift as needed based on the selected speed and driving conditions.
- System performance may vary based on the selected Select-Terrain mode and may be perceived as a change in system responsiveness.

The system can be overridden at any time by applying the throttle or brake.

The system will deactivate but remain available if:

- The system is overridden with throttle or brake input
- Vehicle speed exceeds 20 mph (32 km/h) but remains below 40 mph (64 km/h)
- The vehicle is shifted into PARK

The system will deactivate and turn off if:

- The SSC switch is pressed
- The driveline is shifted out of 4WD Low
- The parking brake is applied
- The driver door is opened
- Vehicle speed exceeds 20 mph (32 km/h) for more than 70 seconds

- Vehicle speed exceeds 40 mph (64 km/h)
- Excessive brake temperature is detected

The instrument cluster and SSC switch indicator provide system status:

- Solid illumination indicates the system is enabled or active
- Flashing followed by turning off indicates enable conditions were not met
- Flashing followed by turning off indicates the system was disabled due to vehicle speed
- Flashing followed by turning off indicates the system was deactivated due to high brake temperature

WARNING!

SSC is only intended to assist the driver in controlling vehicle speed when driving in off-road conditions. The driver must remain attentive to the driving conditions and is responsible for maintaining a safe vehicle speed.

UTILITY FEATURES ASSISTANCE SYSTEM

Tire Pressure Monitoring System (TPMS)

The TPMS will warn the driver of a low tire pressure based on the vehicle recommended cold tire pressure.

The tire pressure will vary with temperature by about 1 psi (7 kPa) for every 12°F (6.5°C). This means that when the outside temperature decreases, the tire pressure will decrease. Tire pressure should always be set based on cold inflation tire pressure. This is defined as the tire pressure after the vehicle has not been driven for at least three hours, or driven less than 1 mile (1.6 km) after a three-hour period. The tire pressure will also increase as the vehicle is driven — this is normal and there should be no adjustment for this increased pressure.

For information on how to properly inflate the vehicle's tires, see ⇨ page 290.

The TPMS will warn the driver of a low tire pressure if the tire pressure falls below the low pressure warning threshold for any reason, including low temperature effects, or natural pressure loss through the tire.

The TPMS will continue to warn the driver of low tire pressure as long as the condition exists, and will not turn off until the tire pressure is at or above recommended cold tire pressure. Once the low tire pressure warning has been illuminated, the tire pressure must be increased to the recommended cold tire pressure in order for the TPMS Warning Light to be turned off.

NOTE:
When filling warm tires, the tire pressure may need to be increased up to an additional 4 psi (28 kPa) above the recommended cold placard pressure in order to turn the TPMS Warning Light off.

The system will automatically update and the TPMS Warning Light will extinguish once the updated tire pressures have been received. The vehicle may need to be driven for up to 20 minutes above 15 mph (24 km/h) to receive this information.

For example, your vehicle has a recommended cold (parked for more than three hours) tire pressure of 33 psi (227 kPa). If the ambient temperature is 68°F (20°C) and the measured tire pressure is 28 psi (193 kPa), a temperature drop to 20°F (-7°C) will decrease the tire pressure to approximately 24 psi (165 kPa). This tire pressure is sufficiently low enough to turn on the TPMS Warning Light. Driving the vehicle may cause the tire pressure to rise to approximately 28 psi (193 kPa), but the TPMS Warning Light will still be on. In this situation, the TPMS Warning Light will turn off only after the tires have been inflated to the vehicle's recommended cold tire pressure value.

CAUTION!

- The TPMS has been optimized for the original equipment tires and wheels. TPMS pressures and warnings have been established for the tire size equipped on your vehicle. Undesirable system operation or sensor damage may result when using replacement equipment that is not of the same size, type, and/or style. The TPMS sensor is not designed for use on aftermarket wheels and may contribute to a poor overall system performance or sensor damage. Customers are encouraged to use Original Equipment Manufacturer (OEM) wheels to ensure proper TPMS feature operation.
- Using aftermarket tire sealants may cause the Tire Pressure Monitoring System (TPMS) sensor to become inoperable. After using an aftermarket tire sealant it is recommended that you take your

(Continued)

CAUTION!

vehicle to an authorized dealership to have your sensor function checked.

- After inspecting or adjusting the tire pressure, always reinstall the valve stem cap. This will prevent moisture and dirt from entering the valve stem, which could damage the Tire Pressure Monitoring System sensor.

NOTE:

- The TPMS is not intended to replace normal tire care and maintenance, or to provide warning of a tire failure or condition.
- The TPMS should not be used as a tire pressure gauge while adjusting your tire pressure.
- Driving on a significantly underinflated tire causes the tire to overheat and can lead to tire failure. Underinflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.
- The TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure using an accurate tire gauge, even if underinflation has not reached the level to trigger illumination of the TPMS Warning Light.
- Seasonal temperature changes will affect tire pressure, and the TPMS will monitor the actual tire pressure in the tire.

The Tire Pressure Monitoring System (TPMS) uses wireless technology with wheel rim-mounted electronic sensors to monitor tire pressure levels. Sensors, mounted to each wheel as part of the valve stem, transmit tire pressure readings to the receiver module.



Tire Pressure Monitoring System Display

NOTE:

It is particularly important for you to regularly check the tire pressure in all of your tires and to maintain the proper pressure.

The Tire Pressure Monitoring System (TPMS) consists of the following components:

- Receiver module
- Four Tire Pressure Monitoring System sensors
- Various Tire Pressure Monitoring System messages, which display in the instrument cluster, and a graphic displaying tire pressures
- TPMS Warning Light

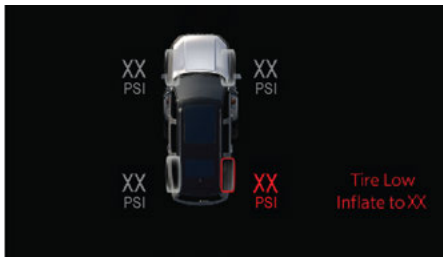
Tire Pressure Monitoring System Low Pressure Warnings



The TPMS Warning Light will illuminate in the instrument cluster, and an audible chime will be activated, when one or more of the four active road tire pressures are low. In addition, the instrument cluster will display an "Inflate to XX" message and a graphic display of the pressure value(s) with the low tire(s) in a different color ⇨ page 109.

NOTE:

Your system can be set to display pressure units in PSI, BAR, or kPa.



Low Tire Pressure Monitoring System Display

Should a low tire condition occur on any of the four active road tire(s), you should stop as soon as possible, and inflate the low tire(s) that is in a different color on the graphic display to the vehicle's recommended cold tire pressure displayed in the "Inflate to XX" message.

NOTE:
When filling warm tires, the tire pressure may need to be increased up to an additional 4 psi (28 kPa) above the recommended cold placard pressure in order to turn the TPMS Warning Light off.

The system will automatically update, the graphic display of the pressure value(s) will return to its original color and the TPMS Warning Light will extinguish once the updated tire pressure(s) have been received. The vehicle may need to be driven for up to 20 minutes above 15 mph (24 km/h) to receive this information.

Service TPMS Warning

The Tire Pressure Monitoring System Warning Light will flash on and off for 75 seconds, and remain on solid when a system fault is detected. The system fault will also sound a chime. The instrument cluster display will display a “SERVICE TPM SYSTEM” message for a minimum of five seconds. This message is then followed by a graphic display, with “--“ in place of the pressure value(s), indicating which Tire Pressure Monitoring System sensor(s) is not being received.

If the ignition switch is cycled, this sequence will repeat, providing the system fault still exists. If the system fault no longer exists, the Tire Pressure Monitoring System Warning Light will no longer flash, the "SERVICE TPM SYSTEM" message will not be present, and a pressure value will be displayed instead of dashes. A system fault can occur by any of the following:

- Jamming due to electronic devices or driving next to facilities emitting the same radio frequencies as the TPMS sensors.
- Lots of snow or ice around the wheels or wheel housings.
- Using tire chains on the vehicle.
- Using wheels/tires not equipped with TPMS sensors.

NOTE:
There is no Tire Pressure Monitoring System sensor in the spare tire. The TPMS will not be able to monitor the tire pressure. If you install the spare tire in place of a road tire that has a pressure below the low-pressure warning limit, upon the next ignition switch cycle, the Tire Pressure Monitoring System Warning Light will remain on, a chime will sound, and the instrument cluster display will still display a pressure value in the different color graphic display and an “Inflate to XX” message will be displayed. After driving the vehicle for up to 20 minutes above 15 mph (24 km/h), the Tire Pressure Monitoring System Warning Light will flash on and off for 75 seconds and then remain on solid. In addition, the instrument cluster display will display a “SERVICE TPM SYSTEM" message for five seconds and then display dashes (--) in place of the pressure value. For each subsequent ignition switch cycle, a chime will sound, the Tire Pressure Monitoring System Warning Light will flash on and off for 75 seconds and then remain on solid, and the instrument cluster display will display a "SERVICE TPM SYSTEM" message for five seconds and then display dashes (--) in place of the pressure value. Once you repair or replace the original road tire, and reinstall it on the vehicle in place of the spare tire, the TPMS will update automatically.

In addition, the Tire Pressure Monitoring System Warning Light will turn off and the graphic in the instrument cluster display will display a new pressure value instead of dashes (--), as long as no tire pressure is below the low-pressure warning limit in any of the four active road tires. The vehicle may need to be driven for up to 20 minutes above 15 mph (24 km/h) in order for the TPMS to receive this information.

TPMS Deactivation — If Equipped

The Tire Pressure Monitoring System (TPMS) can be deactivated if replacing all four wheel and tire assemblies (road tires) with wheel and tire assemblies that do not have TPMS sensors, such as when installing winter wheel and tire assemblies on your vehicle.

To deactivate the TPMS, first, replace all four wheel and tire assemblies (road tires) with tires not equipped with Tire Pressure Monitoring System sensors. Then, drive the vehicle for 20 minutes above 15 mph (24 km/h). The TPMS will chime, the TPMS Warning Light will flash on and off for 75 seconds and then remain on. The instrument cluster will display the “SERVICE TPM SYSTEM” message and then display dashes (--) in place of the pressure values.

Beginning with the next ignition cycle, the TPMS will no longer chime or display the “SERVICE TPM SYSTEM” message in the instrument cluster but dashes (--) will remain in place of the pressure values.

To reactivate the TPMS, replace all four wheel and tire assemblies (road tires) with tires equipped with TPMS sensors. Then, drive the vehicle for up to 20 minutes above 15 mph (24 km/h). The TPMS will chime, the TPMS Warning Light will flash on and off for 75 seconds and then turn off. The instrument cluster will display the “SERVICE TPM SYSTEM” message and then display pressure values in place of the dashes. On the next ignition cycle the "SERVICE TPM SYSTEM" message will

no longer be displayed as long as no system fault exists.

Tire Fill Alert

This feature notifies the user when the placard tire pressure is attained while inflating or deflating the tire.

The customer may choose to disable or enable the Tire Fill Alert feature in the apps menu of the Uconnect system.

NOTE:

- The Tire Fill Alert system will only support inflating or deflating one tire at a time. The user is required to wait until the hazard lights STOP flashing or 26-30 seconds after the desired pressure is achieved in one wheel before switching to another.
- The Tire Fill Alert feature cannot be entered if an existing TPMS fault is set to “active” or if the system is in deactivation mode (if equipped).

The system will be activated when the system detects an increase in tire pressure while filling the tire. The ignition must be in the ON/RUN mode with the transmission in PARK.

NOTE:

It is not required to have the engine running to enter Tire Fill Alert mode.

The hazard lights will come on to confirm the vehicle is in Tire Fill Alert mode. If the hazard lights do not come on while inflating the tire, the Tire Pressure Monitoring System sensor may be in an inoperative position, preventing the TPMS sensor signal from being received. In this case, the vehicle may need to be moved slightly forward or backward.

When Tire Fill Alert mode is entered, the tire pressure display screen will be displayed in the instrument cluster.

Operation:

- The horn will chirp once to let the user know when to stop filling the tire, when it reaches recommended pressure.
- The horn will chirp three times if the tire is overfilled and will continue to chirp every five seconds if the user continues to inflate the tire.
- The horn will chirp once again when enough air is let out to reach proper inflation level.
- The horn will also chirp three times if the tire is then underinflated and will continue to chirp every five seconds if the user continues to deflate the tire.

Selectable Tire Fill Alert (STFA) — If Equipped

The Selectable Tire Fill Alert (STFA) system is an optional feature that is included as part of the normal Tire Fill Alert system. The system is designed to allow you to select a pressure to inflate or deflate the vehicle's front and rear axle tires to, and to provide feedback while inflating or deflating the vehicle's tires.

In the Selectable Tire Fill Alert application, which is located in the apps menu of the Uconnect system, you will be able to select a pressure setting for both the front and rear axle tire pressures by scrolling through a pressure range from greater than or equal to 15 psi to XX psi in 1 psi increments for each axle setting.

XX = the vehicle's cold placard pressure values for the front and rear axles as shown on the vehicle placard pressure label.

You may also store pressure values chosen for each axle in the Uconnect system application as preset pressure values. Up to two sets of preset pressure values can be stored in the Uconnect system for the front and rear axle. Once you select the tire pressures for the front and rear axles that you want to inflate or deflate to, you can begin inflating or deflating one tire at a time.

NOTE:

The STFA system will only support inflating or deflating one tire at a time. The user is required to wait until the hazard lights STOP flashing or 26-30 seconds after the desired pressure is achieved in one wheel, before switching to another.

The system will be activated when the TPMS receiver module detects a change in tire pressure. The ignition must be in the ON/RUN mode, with the transmission in PARK. The hazard lights will come on to confirm the vehicle is in Tire Fill Alert mode.

When Tire Fill Alert mode is entered, the tire pressure screen will be displayed in the instrument cluster. If the hazard lights do not come on while inflating or deflating the tire, the Tire Pressure Monitoring System sensor may be in an inoperative position, preventing the TPMS sensor signal from being received. In this case, the vehicle may need to be moved slightly forward or backward.

Horn chirps will indicate STFA status as tires are inflated/deflated. The horn will chirp under the following STFA states:

1. The horn will chirp once when the selected pressure is reached to let you know when to stop inflating or deflating the tire.
2. The horn will chirp three times if the tire is overinflated or over-deflated.
3. The horn will chirp once again when enough air is added or removed to reach proper selected pressure level.

IN CASE OF EMERGENCY

HAZARD WARNING FLASHERS

Description

The flashers are a safety feature used to alert other drivers to a potential emergency or hazard.

The Hazard Warning Flashers button is located in the center console just below the climate control screen.

Operation



Push the button once to turn on the flashers, the front and rear turn signal lights will flash on and off. Push the button a second time to turn off the flashers.

NOTE:

- If you need to leave the vehicle to seek assistance, the flashers will continue to operate even if the vehicle is turned off.
- With extended use, the flashers may discharge the battery.

SOS EMERGENCY CALL — IF EQUIPPED

Description

The overhead console may contain the ASSIST and SOS buttons. The ASSIST button is used to automatically connect you to any one of the offered support centers, including Roadside Assistance, Vehicle and Uconnect Customer Care. The SOS button connects you directly to an operator that has the ability to contact appropriate emergency responders and provide them with important vehicle information and GPS coordinates in an emergency situation.



Assist And SOS Buttons

1 — ASSIST Button
2 — SOS Button

WARNING!

- Ignoring the overhead console light could mean you will not have SOS Call services. If the overhead console light is illuminated, have an authorized dealer service the SOS Call system immediately.

(Continued)

WARNING!

- The Occupant Restraint Control module turns on the Air Bag Warning Light on the instrument panel if a malfunction in any part of the system is detected. If the Air Bag Warning Light is illuminated, have an authorized dealer service the Occupant Restraint Control system immediately.
- ALWAYS obey traffic laws and pay attention to the road. ALWAYS drive safely with your hands on the steering wheel. You have full responsibility and assume all risks related to the use of the features and applications in this vehicle. Only use the features and applications when it is safe to do so. Failure to do so may result in an accident involving serious injury or death.

Operation

ASSIST Call

Press the ASSIST button to automatically connect you to any one of the following support centers:

- Roadside Assistance – If you get a flat tire, or need a tow, the ASSIST button connects you to a representative for assistance. Roadside Assistance will know what vehicle you're driving and its location. Additional fees may apply for roadside assistance.
- Vehicle Customer Care – Total support for all other vehicle issues.

- Uconnect Customer Care – Total support for Radio, Connected Services, Phone and NAV issues.

SOS Call

1. Push the SOS Call button on the overhead console.
2. The LED light located within the ASSIST and SOS buttons on the overhead console will turn green once a connection to an SOS operator has been made.
3. Once a connection between the vehicle and an SOS operator is made, the SOS Call system may transmit the following important vehicle information to an SOS operator:
   - Indication that the occupant placed an SOS Call
   - The vehicle brand
   - The last known GPS coordinates of the vehicle
4. You should be able to speak with the SOS operator through the vehicle audio system to determine if additional assistance is needed.
5. The SOS operator may attempt to contact appropriate emergency responders and provide them with important vehicle information and GPS coordinates.

NOTE:

- If the SOS Call button is pushed in error, there will be a 10 second delay before the SOS Call system initiates a call to an SOS operator, during which the LED will blink green. To cancel the SOS Call connection, push the SOS call button on the overhead console or press the cancellation button on the Device Screen. Termination of the SOS Call will turn off the green LED light on the overhead console.
- Once a connection is made between the vehicle's SOS Call system and the SOS operator, the SOS operator may be able to open a voice connection with the vehicle to determine if additional assistance is needed. Once the SOS operator opens a voice connection with the vehicle's SOS Call system, the operator should be able to speak with you or other vehicle occupants and hear sounds occurring in the vehicle. The vehicle's SOS Call system will attempt to remain connected with the SOS operator until the SOS operator terminates the connection.
- Your vehicle may be transmitting data as authorized by the subscriber.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

WARNING!

- If anyone in the vehicle could be in danger (e.g., fire or smoke is visible, dangerous road conditions or location), do not wait for voice contact from an Emergency Services Agent. All occupants should exit the vehicle immediately and move to a safe location.
- Never place anything on or near the vehicle's operable network and GPS antennas. You could prevent operable network and GPS signal reception, which can prevent your vehicle from placing an emergency call. An operable network

(Continued)

WARNING!

and GPS signal reception is required for the SOS Call system to function properly.

- The SOS Call system is embedded into the vehicle's electrical system. Do not add aftermarket electrical equipment to the vehicle's electrical system. This may prevent your vehicle from sending a signal to initiate an emergency call. To avoid interference that can cause the SOS Call system to fail, never add aftermarket equipment (e.g., two-way mobile radio, CB radio, data recorder, etc.) to your vehicle's electrical system or modify the antennas on your vehicle. IF YOUR VEHICLE LOSES BATTERY POWER FOR ANY REASON (INCLUDING DURING OR AFTER AN ACCIDENT), THE UCONNECT FEATURES, APPS AND SERVICES, AMONG OTHERS, WILL NOT OPERATE.
- Modifications to any part of the SOS Call system could cause the air bag system to fail when you need it. You could be injured if the air bag system is not there to help protect you.

CAUTION!

To avoid damage to the mirror during cleaning, never spray any cleaning solution directly onto the mirror. Apply the solution onto a clean cloth and wipe the mirror clean.

Additional Features

Automatic SOS — If Equipped

Automatic SOS is a hands-free safety service that can immediately connect you with help in the event that

your vehicle's air bags deploy. Please refer to your radio supplement for complete information.

NOTE:
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Limitations

SOS Call System Limitations

If the SOS Call system detects a malfunction, any of the following may occur at the time the malfunction is detected, and at the beginning of each power cycle:

- The ASSIST and SOS buttons will only function if you are connected to an operable LTE (voice/data) or 5G (data) network, which comes as a built-in function. Other Uconnect services will only be operable if your Connected services are active and you are connected to an operable LTE (voice/data) or 5G (data) network.
- The overhead console lights, located within the ASSIST and SOS buttons will continuously illuminate red.
- The Device Screen will display the following message "Vehicle Device Requires Service. Please Contact An Authorized Dealer."
- An in-vehicle audio message will state "Vehicle device requires service. Please contact an authorized dealer."

NOTE:
Vehicles sold in Mexico **DO NOT** have SOS Call system capabilities. SOS or other emergency line operators in Mexico may not answer or respond to SOS system calls.

Even if the SOS Call system is fully functional, factors beyond the manufacturers control may prevent or stop the SOS Call system operation. These include, but are not limited to, the following factors:

- The vehicle is in the OFF position
- The vehicle's electrical systems are not intact
- The SOS Call system software and/or hardware are damaged during a crash
- The vehicle battery loses power or becomes disconnected during a vehicle crash
- LTE (voice/data) or 5G (data) network and/or Global Positioning Satellite signals are unavailable or obstructed
- Equipment malfunction at the SOS operator facility
- Operator error by the SOS operator
- LTE (voice/data) or 5G (data) network congestion
- Weather
- Buildings, structures, geographic terrain, or tunnels

JACKING THE VEHICLE AND WHEEL CHANGING — IF EQUIPPED

Operation

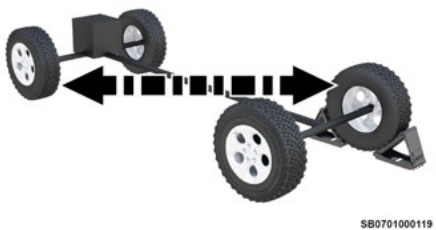
Preparations For Jacking

Please disable the hands-free lift gate, before changing a tire or using the jack. This feature can be disabled through the Uconnect system.

1. Park the vehicle on a firm, level surface as far from the edge of the roadway as possible. Avoid icy or slippery areas.

WARNING!
Do not attempt to change a tire on the side of the vehicle close to moving traffic. Pull far enough off the road to avoid being hit when operating the jack or changing the wheel.

2. Turn on the Hazard Warning Flashers.
3. Apply the parking brake.
4. Place the gear selector into PARK (P).
5. Turn OFF the ignition.
6. Block both front and rear of the wheel diagonally opposite of the jacking position. For example, if changing the driver's front tire, block the passenger's rear wheel.



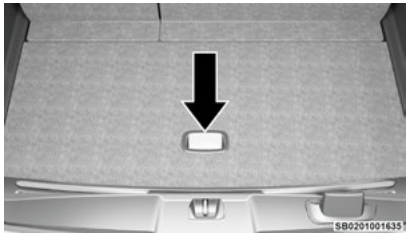
Wheel Blocked Example

NOTE:
Passengers should not remain in the vehicle when the vehicle is being raised or lifted.

Jack And Tools Location

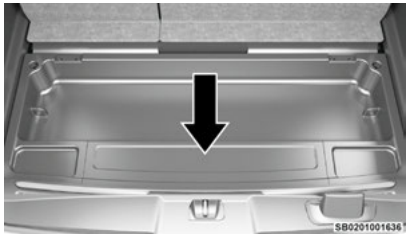
The scissor-type jack and tire changing tools are located in the rear cargo area, under the load floor.

1. Lift up on the load floor handle to access the jack and tool storage.



Load Floor Handle

2. Remove the jack storage cover to access the jack and tools.



Jack And Tools Access Cover

3. Pull up to remove jack and tools from storage.



Removing Jack And Tools

NOTE:
Depending on vehicle trim level, tools shown may vary.



Jack And Tools Storage



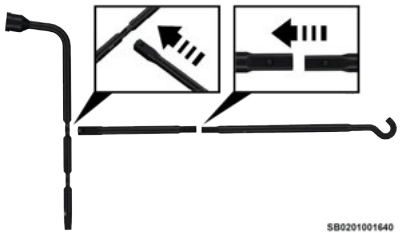
Jacking Tools Description

1 — Wheel Lug Wrench
2 — Scissor Jack
3 — Fuel Funnel
4 — Jack Handle Extension
5 — Jack Handle
6 — Tow Hook (If Equipped)

Spare Tire Removal

Remove the spare tire before attempting to jack up the vehicle. The spare tire is stowed underneath the rear cargo area on the outside of the vehicle.

1. Assemble the jacking tools.



Jacking Tool Assembly

2. Locate and remove plug from the storage compartment floor to expose the winch access hole.



Winch Nut Plug

3. Fit the jack handle extension over the drive nut. Use the wheel lug wrench and extension to completely lower the spare tire. Keep turning the handle counterclockwise until the winch stops.



Winch Drive Nut Location



Wrench Rotation

4. Slide the tire out from under the vehicle and rotate it vertically behind the rear fascia/bumper.
5. Pull the metal retainer toward you to release it.
6. Slide the retainer up the steel extension tube and winch cable. Rotate the retainer and push it through the hole in the wheel.



Releasing Winch Retainer

Jacking Instructions

WARNING!

Carefully follow these tire changing warnings to help prevent personal injury or damage to your vehicle:

- Always park on a firm, level surface as far from the edge of the roadway as possible before raising the vehicle.
- Turn on the Hazard Warning Flashers.
- Apply the parking brake firmly and set the transmission in PARK.
- Block the wheel diagonally opposite the wheel to be raised.
- Never start or run the engine with the vehicle on a jack.

(Continued)

WARNING!

- Do not let anyone sit in the vehicle when it is on a jack.
- Do not get under the vehicle when it is on a jack. If you need to get under a raised vehicle, take it to a service center where it can be raised on a lift.
- Only use the jack in the positions indicated and for lifting this vehicle during a tire change.
- If working on or near a roadway, be extremely careful of motor traffic.
- To assure that spare tires, flat or inflated, are securely stowed, spares must be stowed with the back of the wheel facing the ground.
- The jack should be used on level firm ground wherever possible.
- It is recommended that the wheels of the vehicle be chocked, and that no person should be remain in a vehicle that is being jacked.
- No person should place any portion of their body under a vehicle that is supported by a jack.



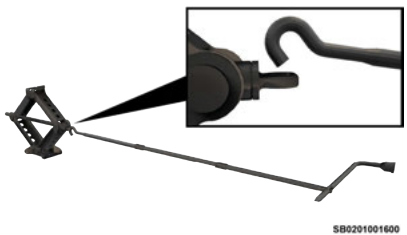
Jack Warning Label

1. Loosen (but do not remove) the wheel lug nuts, using the lug wrench by turning them counterclockwise, one turn, while the wheel is still on the ground.



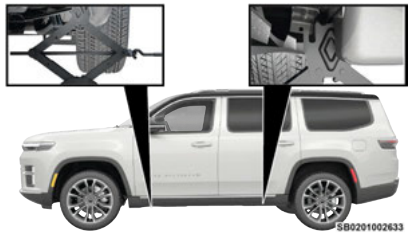
Loosen Lug Nuts

2. Assemble the jack and tools ⇨ page 235.



Jack And Tool Assembled

NOTE:
Placement for the front and rear jacking locations are critical. Keep the jack and tools aligned while raising the vehicle to prevent tool damage. See the following images for proper jacking locations.

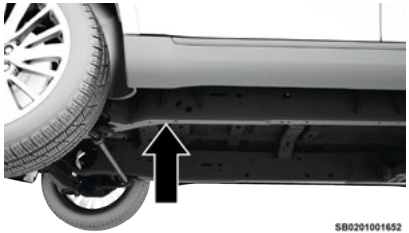


Jacking Locations

CAUTION!

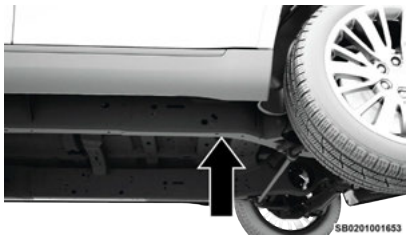
Do not attempt to raise the vehicle by jacking on locations other than those indicated in the Jacking Instructions for this vehicle.

3. When changing a front tire, place the scissor jack under the front chassis lifting point, as indicated by the triangular lift point symbol shown in the following image. **Do not raise the vehicle until you are sure the jack is fully engaged.**



Front Lifting Point

4. When changing a rear tire, place the scissor jack under the rear chassis lifting point, as indicated by the triangular lift point symbol shown in the following image. **Do not raise the vehicle until you are sure the jack is fully engaged.**



Rear Lifting Point

5. Raise the vehicle by using the wheel lug wrench and jack handle to turn the jack screw clockwise. Raise the vehicle only until the tire just clears the surface and enough clearance is obtained to install the spare tire. Minimum tire lift provides maximum stability.

WARNING!
Raising the vehicle higher than necessary can make the vehicle less stable. It could slip off the jack and hurt someone near it. Raise the vehicle only enough to remove the tire.

6. Remove the lug nuts and wheel.
7. Position the spare wheel/tire on the vehicle and install the lug nuts with the cone-shaped end toward the wheel. Lightly tighten the nuts.

WARNING!
To avoid the risk of forcing the vehicle off the jack, do not tighten the wheel nuts fully until the vehicle has been lowered. Failure to follow this warning may result in serious injury.

CAUTION!
Be sure to mount the spare tire with the valve stem facing outward. The vehicle could be damaged if the inflatable spare tire is mounted incorrectly.

8. Lower the vehicle by turning the jack screw counterclockwise, and remove the jack and wheel blocks.
9. Finish tightening the lug nuts. Push down on the wrench at the end of the handle for increased leverage. Tighten the lug nuts in a star pattern until each nut has been tightened twice. For correct lug nut torque refer to Wheel and Tires. If in doubt about the correct tightness, have them checked with a torque wrench by an authorized dealer or at a service station.



Tighten Lug Nuts

10. Position the wheel behind the rear fascia/bumper with the valve stem facing inward. Push the end of the winch's cable, spring and steel sleeve through the front side of the road wheel. Make sure the back of the wheel is facing the ground when the wheel is stowed.



Reinstalling Winch Retainer

11. Slide the road wheel on the ground until it is directly under the winch and between the rear fascia/bumper and exhaust system heat shields. Raise the tire by turning the lug wrench on the winch extension clockwise until it clicks/ratchets three times to make sure the cable is tight.



Storing Of Road Wheel

NOTE:
Double check to ensure the tire is snug against the underbody of the vehicle. Damage to the winch cable may result if the vehicle is driven with the tire loose.



Road Wheel Stowage

WARNING!

A loose tire or jack thrown forward in a collision or hard stop could endanger the occupants of the vehicle. Always stow the jack parts and the spare tire in the places provided. Have the deflated (flat) tire repaired or replaced immediately.

12. Lower the jack to the fully closed position.
13. Return the Jack and tools back into the jack storage bin. Reinstall the jack storage cover by firmly pushing down until the clips lock into position.
14. After 25 miles (40 km), check the lug nut torque with a torque wrench to ensure that all lug nuts are properly seated against the wheel.
15. Have the road wheel and tire repaired as soon as possible and properly secure the spare tire, jack and tool kit.

NOTE:
Do not drive with the spare tire installed for more than 50 miles (80 km) at a max speed of 50 mph (80 km/h).

JUMP STARTING

DESCRIPTION

If your vehicle has a discharged battery, it can be jump started using a set of jumper cables and a battery in another vehicle, or by using a portable battery booster pack. Jump starting can be dangerous if done improperly, so please follow the procedures in this section carefully.

WARNING!

Do not attempt jump starting if the battery is frozen. It could rupture or explode and cause personal injury.

CAUTION!

Do not use a portable battery booster pack or any other booster source with a system voltage greater than 12 Volts or damage to the battery, starter motor, alternator or electrical system may occur.

NOTE:
When using a portable battery booster pack, follow the manufacturer's operating instructions and precautions.

Operation

Preparations For Jump Start

The battery in your vehicle is located in the front of the engine compartment, behind the left headlight assembly.



Positive (+) Jump Starting Post

NOTE:
The positive **(+)** battery post may be covered with a protective cap. Lift up on the cap to gain access to the positive battery post. Do not jump off fuses. Only jump directly off positive post which has a positive **(+)** symbol on or around the post.

See the following steps to prepare for jump starting:

1. Apply the parking brake, shift the automatic transmission into PARK (P) and turn the ignition OFF.
2. Turn off the heater, radio, and all electrical accessories.
3. If using another vehicle to jump start the battery, park the vehicle within the jumper cables' reach, apply the parking brake and make sure the ignition is OFF.

WARNING!
Do not allow vehicles to touch each other as this could establish a ground connection and personal injury could result.

NOTE:
Be sure that the disconnected cable ends do not touch each other, or either vehicle, until properly connected for jump starting.

WARNING!
• Take care to avoid the radiator cooling fan whenever the hood is raised. It can start anytime the ignition switch is ON. You can be injured by moving fan blades. • Remove any metal jewelry such as rings, watch bands and bracelets that could make an inadvertent electrical contact. You could be seriously injured. • Batteries contain sulfuric acid that can burn your skin or eyes and generate hydrogen gas which is flammable and explosive. Keep open flames or sparks away from the battery.

Jump Starting Procedure

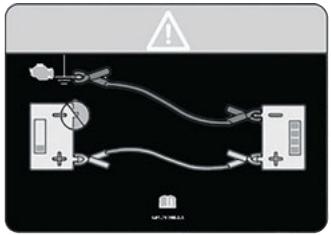
WARNING!
Failure to follow this jump starting procedure could result in personal injury or property damage due to battery explosion.

CAUTION!
Failure to follow these procedures could result in damage to the charging system of the booster vehicle or the discharged vehicle.

NOTE:
Make sure at all times that unused ends of jumper cables are not contacting each other or either vehicle while making connections.

Connecting The Jumper Cables

1. Connect the positive **(+)** end of the jumper cable to the positive **(+)** post of the discharged vehicle.
2. Connect the opposite end of the positive **(+)** jumper cable to the positive **(+)** post of the booster battery.
3. Connect the negative **(-)** end of the jumper cable to the negative **(-)** post of the booster battery.
4. Connect the opposite end of the negative **(-)** jumper cable to a good engine ground. A "ground" is an exposed metallic/unpainted part of the engine, frame or chassis, such as an accessory bracket or large bolt. The ground must be away from the battery and the fuel injection system.



Jump Starting Label

WARNING!
Do not connect the jumper cable to the negative **(-)** post of the discharged battery. The resulting electrical spark could cause the battery to explode and could result in personal injury.

5. Start the engine in the vehicle that has the booster battery, let the engine idle a few minutes, and then start the engine in the vehicle with the discharged battery. Once the engine is started, see the following disconnecting procedure.

CAUTION!
Do not run the booster vehicle engine above 2,000 RPM since it provides no charging benefit, wastes fuel, and can damage booster vehicle engine.

Disconnecting The Jumper Cables

1. Disconnect the negative **(-)** end of the jumper cable from the engine ground of the vehicle with the discharged battery.
2. Disconnect the opposite end of the negative **(-)** jumper cable from the negative **(-)** post of the booster battery.
3. Disconnect the positive **(+)** end of the jumper cable from the positive **(+)** post of the booster battery.
4. Disconnect the opposite end of the positive **(+)** jumper cable from the positive **(+)** post of the discharged vehicle.
5. Reinstall the protective cover over the positive **(+)** post of the discharged vehicle.

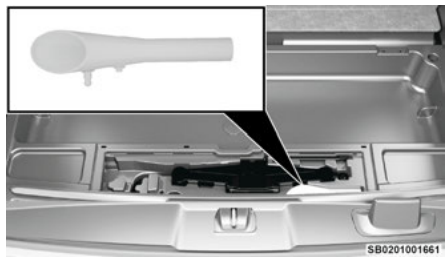
If frequent jump starting is required to start your vehicle have the battery and charging system tested at an authorized dealer.

CAUTION!
Accessories plugged into the vehicle power outlets draw power from the vehicle's battery, even when not in use (i.e., cellular devices, etc.). Eventually, if plugged in long enough without engine operation, the vehicle's battery will discharge sufficiently to degrade battery life and/or prevent the engine from starting.

REFUELING IN AN EMERGENCY — IF EQUIPPED

DESCRIPTION

The vehicle is equipped with a refueling funnel for a capless fuel system, which is located with the jack and tools ⇨ page 234. If emergency refueling is necessary, use an approved gas can and insert the refueling funnel into the filler neck opening.



Refueling Funnel Location

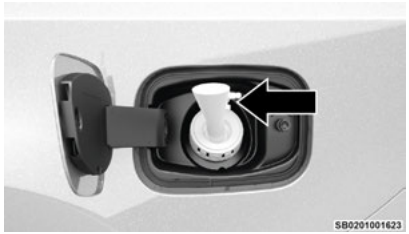
CAUTION!
To avoid fuel spillage and overfilling, do not "top off" the fuel tank after filling.

OPERATION

Most gas cans will not open the flapper doors. A funnel is provided to allow emergency refueling with a gas can.

See the following steps for refueling:

1. Retrieve funnel from the rear cargo storage area.
2. Insert funnel into the fuel filler pipe opening.



Inserting Funnel

3. Ensure funnel is inserted fully to hold flapper doors open.
4. Pour fuel into funnel opening.
5. Remove funnel from filler pipe, clean off prior to putting back in the spare tire storage area.

NOTE:

In certain cold conditions, ice may prevent the fuel door from opening. If this occurs, lightly push around the perimeter of the fuel door to break the ice buildup and re-release the fuel door by pushing on the rear outer edge near the center to unlatch. Do not pry on the door.

WARNING!

- Never have any smoking materials lit in or near the vehicle when the fuel door is open or the tank is being filled.
- Never add fuel when the engine is running. This is in violation of most state and federal fire regulations and may cause the Malfunction Indicator Light to turn on.
- A fire may result if fuel is pumped into a portable container that is inside of a vehicle. You could be burned. Always place fuel containers on the ground while filling.

IF YOUR ENGINE OVERHEATS

DESCRIPTION

If the vehicle is overheating, it will need to be serviced by an authorized dealer.

Potential signs of vehicle overheating can be:

- Temperature gauge is at HOT (H)
- Strong smell of coolant
- White smoke coming from engine or exhaust
- Coolant in overflow reservoir has bubbles present

WARNING!

You or others can be badly burned by hot engine coolant (antifreeze) or steam from your radiator. If

(Continued)

WARNING!

(Continued)

you see or hear steam coming from under the hood, do not open the hood until the radiator has had time to cool. Never try to open a cooling system pressure cap when the radiator or coolant bottle is hot.

If the temperature gauge is moving towards or close to the HOT (H) position, the following actions will reduce the potential for overheating.

- On highways — slow down.
- In city traffic — while stopped, place the transmission in NEUTRAL (N), but do not increase the engine idle speed while preventing vehicle motion with the brakes.
- Turn off the A/C. The A/C system adds heat to the engine cooling system and turning the A/C off can help remove this heat.
- Turn the temperature control to maximum heat, the mode control to floor and the blower control to high. This allows the heater core to act as a supplement to the radiator and aids in removing heat from the engine cooling system.

CAUTION!

Driving with a hot cooling system could damage your vehicle. If the temperature gauge reads HOT (H), as soon as it's safe, pull over and stop the vehicle. Idle the vehicle with the air conditioner turned off until the pointer drops back into the normal range. If the pointer remains on HOT (H), and you hear continuous chimes, turn the engine off immediately and call for service.

FREEING A STUCK VEHICLE

DESCRIPTION

If your vehicle becomes stuck in mud, sand or snow, it can often be moved using a rocking motion.

OPERATION

Turn the steering wheel right and left to clear the area around the front wheels. Then, shift back and forth between DRIVE (D) and REVERSE (R) while gently pressing the accelerator.

NOTE:

Shifts between DRIVE (D) and REVERSE (R) can only be achieved at wheel speeds of 5 mph (8 km/h) or less. Whenever the transmission remains in NEUTRAL (N) for more than two seconds, you must press the brake pedal to engage DRIVE (D) or REVERSE (R).

Use the least amount of accelerator pedal pressure that will maintain the rocking motion without spinning the wheels or racing the engine.

NOTE:

Push the ESC OFF button to place the Electronic Stability Control (ESC) system in "Partial OFF" mode, before rocking the vehicle. Once the vehicle has been freed, push the ESC OFF button again to restore "ESC On" mode.

WARNING!

Fast spinning tires can be dangerous. Forces generated by excessive wheel speeds may cause damage, or even failure, of the axle and tires. A tire could explode and injure someone. Do not spin your vehicle's wheels faster than 30 mph (48 km/h) or for longer than 30 seconds continuously without stopping when you are stuck and do not let anyone near a spinning wheel, no matter what the speed.

CAUTION!

- Racing the engine or spinning the wheels may lead to transmission overheating and failure. Allow the engine to idle with the transmission in NEUTRAL for at least one minute after every five rocking-motion cycles. This will minimize overheating and reduce the risk of transmission failure during prolonged efforts to free a stuck vehicle.

(Continued)

CAUTION!

- When "rocking" a stuck vehicle by shifting between DRIVE and REVERSE, do not spin the wheels faster than 15 mph (24 km/h), or drivetrain damage may result.
- Revving the engine or spinning the wheels too fast may lead to transmission overheating and failure. It can also damage the tires. Do not spin the wheels above 30 mph (48 km/h) while in gear (no transmission shifting occurring).

TOWING A DISABLED VEHICLE

DESCRIPTION

This section describes procedures for towing a disabled vehicle using a commercial towing service.

NOTE:

If your vehicle is equipped with Air Suspension, it must be placed in Transport mode in the Uconnect system, before tying them down (from the body) on a trailer or flatbed truck. If the vehicle cannot be placed in Transport mode (for example, engine will not run), tie-downs must be fastened to the axles (not to the body). Failure to follow these instructions may cause fault codes to be set and/or cause loss of proper tie-down tension.

Towing Condition	Wheels Off The Ground	Two-Wheel Drive Models	Four-Wheel Drive Models
Flat Tow	NONE	**NOT ALLOWED**	**See Instructions** ● Transmission in PARK ● Transfer case in N (Neutral) ● Tow in forward direction
Dolly Tow	Front	**NOT ALLOWED**	**NOT ALLOWED**
	Rear	OK	**NOT ALLOWED**
On Trailer	ALL	OK	OK

Proper towing or lifting equipment is required to prevent damage to your vehicle. Use only tow bars and other equipment designed for this purpose, following equipment per FCA US LLC instructions. Use of safety chains is mandatory. Attach a tow bar or other towing device to main structural members of the vehicle, not to fascia/bumpers or associated brackets. State and local laws regarding vehicles under tow must be observed.

If you must use the accessories (wipers, defrosters, etc.) while being towed, the ignition must be in the ON/RUN mode, not the ACC mode.

CAUTION!

- Do not use sling type equipment when towing. Vehicle damage may occur.
- When securing the vehicle to a flatbed truck, do not attach to front or rear suspension components. Damage to your vehicle may result from improper towing.

(Continued)

CAUTION!

components. Damage to your vehicle may result from improper towing.

EMERGENCY TOW HOOKS — IF EQUIPPED

DESCRIPTION

Your vehicle may be equipped with a removable rear recovery tow hook. The tow hook is designed to be used in the receiver hitch as a recovery option.

WARNING!

- Do not use a chain for freeing a stuck vehicle. Chains may break, causing serious injury or death.

(Continued)

WARNING!

- Stand clear of vehicles when pulling with tow hooks. Tow straps may become disengaged, causing serious injury.

OPERATION

The rear tow hook is located within the jack and tools storage bin under the load floor of the rear cargo area.

To install the tow hook follow these instructions.

1. Remove the locking pin from the hook.
2. Remove the trim cover from the rear bumper/ fascia.
3. Place the rear tow hook into the receiver hitch in any direction.
4. Replace the locking pin.



Rear Tow Hook And Cover

CAUTION!
Tow hooks are for emergency use only, to rescue a vehicle stranded off road. Do not use tow hooks for tow truck hookup or highway towing. You could damage your vehicle.

ENHANCED ACCIDENT RESPONSE SYSTEM (EARS)

This vehicle is equipped with an Enhanced Accident Response System.

This feature is a communication network that takes effect in the event of an impact. Detailed information can be found on ⇨ page 57.

EVENT DATA RECORDER (EDR)

This vehicle is equipped with an Event Data Recorder (EDR). The main purpose of an EDR is to record data that will assist in understanding how a vehicle's systems performed under certain crash or near crash-like situations, such as an air bag deployment or hitting a road obstacle. Detailed information can be found on ⇨ page 58.

MAINTENANCE AND VEHICLE CARE

SAFETY TIPS

Transporting Pets or Passengers

Transporting Pets

Airbags deploying in the front seat can be dangerous for your pet(s). If your pet(s) are not properly restrained, they may be thrown around during sudden braking or in a collision, which could result in injury to the pet or to other passengers.

To ensure safety, pets should be secured in the rear seat (if equipped) using pet harnesses or carriers that are fastened with the seat belts.

Transporting Passengers

NEVER TRANSPORT PASSENGERS IN THE CARGO AREA.

WARNING!

- Do not leave children or animals inside parked vehicles in hot weather. Interior heat buildup may cause serious injury or death.
- It is extremely dangerous to ride in a cargo area, inside or outside of a vehicle. In a collision, people riding in these areas are more likely to be seriously injured or killed.

(Continued)

WARNING!

- Do not allow people to ride in any area of your vehicle that is not equipped with seats and seat belts.
- Be sure everyone in your vehicle is in a seat and using a seat belt properly.

Safety Checks Inside The Vehicle

Connected Vehicles

Privacy of any wireless and wired communications cannot be ensured. Third parties may unlawfully intercept information and private communications without your consent. For further information, refer to "Data Collection & Privacy" in your Uconnect Radio Instruction Manual or "Onboard Diagnostic System (OBD II) Cybersecurity" ⇨ page 116.

WARNING!

It is not possible to know or to predict all of the possible outcomes if your vehicle's systems are breached. It may be possible that vehicle systems, including safety related systems, could be impaired or a loss of vehicle control could occur that may result in an accident involving serious injury or death.

Seat Belts

Periodically inspect the seat belt system for cuts, frays, and loose parts. Damaged parts must be replaced immediately. Do not disassemble or modify the system.

If your vehicle is involved in a collision, or if you have questions regarding the seat belt or retractor conditions, take your vehicle to an authorized dealer or authorized Certified Collision Care Program facility for inspection.

Air Bag Warning Light



The Air Bag Warning Light will illuminate for four to eight seconds when the ignition is placed in the ON/RUN position as a normal bulb check. If the light does not turn on during this check, stays on continuously, or comes on while driving, the air bag system may have a problem and should be inspected by an authorized dealer as soon as possible.

After the initial bulb check, the warning light will turn on along with a single chime if a fault in the air bag system is detected. The light will remain on until the issue is resolved. If the light turns on intermittently or stays on while driving, it is important to have the vehicle serviced immediately by an authorized dealer.

Defroster

To check if the defroster is working properly, turn on the defrost mode and set the blower to high speed. You

should feel air blowing directly onto the windshield. If no air is felt or the defroster does not function, contact an authorized dealer for service.

Floor Mat Safety Information

Always use floor mats that are specifically designed to fit your vehicle. Make sure the mat does not interfere with the accelerator, brake, or clutch pedals. It is important to use only floor mats that can be securely fastened with the provided floor mat anchors. This prevents the mat from slipping out of place and potentially affecting pedal operation or compromising the safe use of your vehicle.

WARNING!

An improperly attached, damaged, folded, or stacked floor mat, or damaged floor mat fasteners may cause your floor mat to interfere with the accelerator, brake, or clutch pedals and cause a loss of vehicle control. To prevent SERIOUS INJURY or DEATH:

-  ALWAYS securely attach your floor mat using the floor mat fasteners. DO NOT install your floor mat upside down or turn your floor mat over. Lightly pull to confirm mat is secured using the floor mat fasteners on a regular basis.
-  ALWAYS REMOVE THE EXISTING FLOOR MAT FROM THE VEHICLE before installing any other floor mat. NEVER install or stack an additional floor mat on top of an existing floor mat.

(Continued)

WARNING!

- ONLY install floor mats designed to fit your vehicle. NEVER install a floor mat that cannot be properly attached and secured to your vehicle. If a floor mat needs to be replaced, only use a FCA approved floor mat for the specific make, model, and year of your vehicle.
- ONLY use the driver's side floor mat on the driver's side floor area. To check for interference, with the vehicle properly parked with the engine off, fully depress the accelerator, the brake, and the clutch pedal (if present) to check for interference. If your floor mat interferes with the operation of any pedal, or is not secure to the floor, remove the floor mat from the vehicle and place the floor mat in your trunk.
- ONLY use the passenger's side floor mat on the passenger's side floor area.
- ALWAYS make sure objects cannot fall or slide into the driver's side floor area when the vehicle is moving. Objects can become trapped under accelerator, brake, or clutch pedals and could cause a loss of vehicle control.
- NEVER place any objects under the floor mat (e.g., towels, keys, etc.). These objects could change the position of the floor mat and may cause interference with the accelerator, brake, or clutch pedals.
- If the vehicle carpet has been removed and re-installed, always properly attach carpet to the floor and check the floor mat fasteners are secure to the vehicle carpet. Fully depress each pedal to check for interference with the accelerator, brake, or clutch pedals then re-install the floor mats.
- It is recommended to only use mild soap and water to clean your floor mats. After cleaning, always check your floor mat has been properly installed and is secured to your vehicle using the floor mat fasteners by lightly pulling mat.

(Continued)

Safety Checks Outside The Vehicle

Tires

Examine tires for excessive tread wear and uneven wear patterns. Check the tread and sidewall for the following:

- Stones or nails
- Glass or sharp objects
- Cuts or cracks
- Bulges

Check the lug nut/bolt torque for tightness. Check the tires (including spare) for proper cold inflation pressure.

Lights

While operating the brake and exterior lights have someone stand outside the vehicle to confim that all the lights are functioning properly. In addition, check the turn signal and high beam indicator lights on the instrument panel.

Door Latches

Check that all doors, including the hood close securely and latch properly. After closing, verify that each door locks and unlocks using both the interior controls and the key or remote. Make sure the locking mechanism engages fully and that the door cannot be opened without unlocking it first.

Fluid Leaks

After the vehicle has been parked overnight, inspect the area underneath for any signs of fluid leaks. Look for puddles or spots that may indicate leaking fuel, coolant, oil, or other vehicle fluids. If you notice the smell of gasoline or suspect a fuel or brake fluid leak, it is important to identify and repair the issue immediately.

CAUTION!

Leaks can pose serious safety risks and may lead to vehicle damage or malfunction if not addressed promptly. Always have a qualified technician inspect and repair any suspected leaks as soon as possible.

EXHAUST CHECKS

Exhaust Gas

WARNING!

Exhaust gases can injure or kill. They contain carbon monoxide (CO), which is colorless and odorless. Breathing it can make you unconscious and can

(Continued)

WARNING!

eventually poison you. To avoid breathing (CO), follow these safety tips:

- Do not run the engine in a closed garage or in confined areas any longer than needed to move your vehicle in or out of the area.
- If you are required to drive with the trunk/liftgate/rear doors open, make sure that all windows are closed and the climate control BLOWER switch is set at high speed. DO NOT use the recirculation mode.
- If it is necessary to sit in a parked vehicle with the engine running, adjust your heating or cooling controls to force outside air into the vehicle. Set the blower at high speed.

The best way to prevent carbon monoxide from entering the vehicle is by keeping the engine exhaust system in good condition. Carbon monoxide is a dangerous, odorless gas that can be harmful or even fatal if it enters the passenger compartment.

To ensure safety, follow these important guidelines:

- If you notice any change in the sound of the exhaust system, have it inspected immediately.
- If you smell exhaust fumes inside the vehicle, stop using the vehicle and have it checked by an authorized dealer right away.
- If the underside or rear of the vehicle has been damaged (for example, from hitting a curb or debris), have the exhaust system and nearby body areas inspected for damage or misalignment.
- Look out for open seams, loose connections, or deteriorated parts in the exhaust system. These can allow exhaust gases to leak into the cabin.
- Every time the vehicle is raised for service, such as during an oil change or lubrication, ask the technician to inspect the exhaust system.
- Replace any damaged or worn-out parts as needed to maintain a sealed and safe exhaust system.

Regular inspection and maintenance of the exhaust system are essential to protect you and your passengers from carbon monoxide exposure.

Carbon Monoxide Warnings

WARNING!

Carbon monoxide (CO) in exhaust gases is deadly. Follow the precautions provided to prevent carbon monoxide poisoning:

- Do not inhale exhaust gases. They contain carbon monoxide, a colorless and odorless gas, which can kill. Never run the engine in a closed area, such as a garage, and never sit in a parked vehicle with the engine running for an extended period. If the vehicle is stopped in an open area with the engine running for more than a short period, adjust the ventilation system to force fresh, outside air into the vehicle.
- Guard against carbon monoxide with proper maintenance. Have the exhaust system inspected every time the vehicle is raised. Have any abnormal conditions repaired promptly. Until repaired, drive with all side windows fully open.

SCHEDULED SERVICING

DESCRIPTION

The Scheduled Maintenance services listed in this manual must be done at the times or mileages specified to protect the vehicle warranty and ensure the best vehicle performance and reliability. More frequent maintenance may be needed for vehicles in severe operating conditions, such as dusty areas and very short trip driving. Inspection and service should also be done anytime a malfunction is suspected

Your vehicle is equipped with an automatic oil change indicator system. The oil change indicator system will remind you that it is time to take your vehicle in for scheduled maintenance.

Based on engine operation conditions, the oil change indicator message will illuminate. This means that service is required for your vehicle. Operating conditions such as frequent short-trips, trailer tow, extremely hot or cold ambient temperatures, and extended idling will influence when the "Oil Change Required" message is displayed. Have your vehicle serviced as soon as possible, within the next 500 miles (805 km).

An authorized dealer will reset the oil change indicator message after completing the scheduled oil change or for engine oil life reset procedure ⇨ page 102.

NOTE:

3.0L Engines: Under no circumstances should oil change intervals exceed 10,000 miles (16,000 km), or 12 months, whichever comes first. The engine controller also monitors the number of hours of engine run time, and will illuminate the oil change indicator after 350 hours (which is not likely to be exceeded except for certain fleet customers with extended engine idling periods).

Once A Month Or Before A Long Trip:

- Check engine oil level
- Check the operation of the interior and exterior lights
- Check the 12V battery terminals. cables and connections
- Check the brake pads, rotors, brake operation and fluid level
- Check the steering, suspension, chassis components and axle boots
- Check the wiper and washer operation, wiper blades and reservoir
- Check the coolant fluid reservoir(s)

Maintenance Plan

Refer to the Maintenance Plan for the required maintenance intervals.

At Every Oil Change Interval As Indicated By Oil Change Indicator System
• Change oil and filter.
• Rotate the tires at the first sign of irregular wear, even if it occurs before the oil indicator system turns on.
• Inspect battery and clean and tighten terminals as required.
• Inspect the CV/Universal joints.
• Inspect brake pads, shoes, rotors, drums, hoses and parking brake.

At Every Oil Change Interval As Indicated By Oil Change Indicator System
• Inspect engine cooling system protection and hoses.
• Inspect exhaust system.
• Inspect engine air cleaner filter if using in dusty or off-road conditions. Replace engine air cleaner filter, as necessary.
• Deploy power side steps and clean linkages with high pressure car wash wand to remove any foreign debris. Apply Mopar® Spray White Lithium Grease to the pivot points.

Mileage Or Time Passed (Whichever Comes First)	20,000	30,000	40,000	50,000	60,000	70,000	80,000	90,000	100,000	110,000	120,000	130,000	140,000	150,000
Or Years:	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Or Kilometers:	32,000	48,000	64,000	80,000	96,000	112,000	128,000	144,000	160,000	176,000	192,000	208,000	224,000	240,000
Additional Inspections														
Inspect front suspension, tie rod ends, and replace if necessary.	X		X		X		X		X		X		X	
Inspect the front and rear axle fluid, change if using your vehicle for police, taxi, fleet, off-road or frequent trailer towing.	X		X		X		X		X		X		X	
Inspect the brake linings, parking brake function.	X		X		X		X		X		X		X	
Inspect transfer case fluid.		X			X			X			X			X

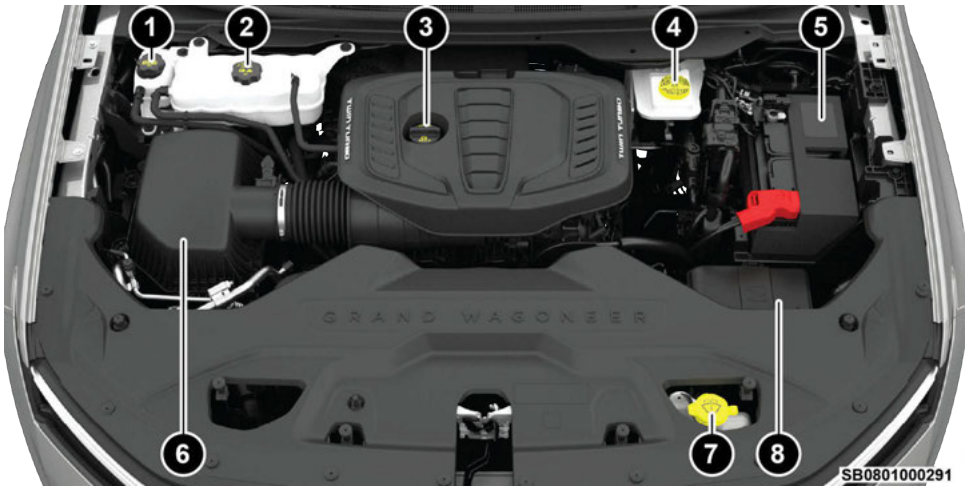
Mileage Or Time Passed (Whichever Comes First)	20,000	30,000	40,000	50,000	60,000	70,000	80,000	90,000	100,000	110,000	120,000	130,000	140,000	150,000
Or Years:	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Or Kilometers:	32,000	48,000	64,000	80,000	96,000	112,000	128,000	144,000	160,000	176,000	192,000	208,000	224,000	240,000
Inspect accessory drive belt tensioner and pulley, replace if necessary.														X
Additional Maintenance														
Replace engine air cleaner filter.		X			X			X			X			X
Replace the cabin air filter.	To be replaced every 12,000 miles (19,000 km).													
Replace spark plugs (3.0L Engine).[1]					X						X			
Flush and replace the engine coolant at 10 years or 150,000 miles (240,000 km) whichever comes first.									X					X
Replace accessory drive belt.														X
Change transfer case fluid.														X
Replace PCV valve.									X					

[1] The spark plug change interval is mileage based only, yearly intervals do not apply.

WARNING!
• You can be badly injured working on or around a motor vehicle. Do only service work for which you have the knowledge and the right equipment. If you have any doubt about your ability to perform a service job, take your vehicle to a competent mechanic. • Failure to properly inspect and maintain your vehicle could result in a component malfunction and affect vehicle handling and performance. This could cause an accident.

ENGINE COMPARTMENT

3.0L Engine



1 — Intercooler Coolant Reservoir
2 — Engine Coolant Reservoir
3 — Engine Oil Fill
4 — Brake Fluid Reservoir
5 — 12 Volt Battery
6 — Engine Air Cleaner, Filter
7 — Washer Fluid Reservoir
8 — Power Distribution Center

ENGINE BREAK-IN RECOMMENDATIONS

DESCRIPTION

A break-in period is recommended for the powertrain components of your vehicle, including the engine, transmission, and axle. Following these guidelines during the early stages of use will help enhance the vehicle's durability, fuel efficiency, and overall performance.

OPERATION

During the first 100 miles (160 km), it's important to drive the vehicle moderatley. Avoid rapid acceleration, high speeds, or putting too much strain on the engine. Once you've passed the initial 100 miles, and for the next 500 miles (800 km), try not to maintain a constant speed for long periods. Instead, vary your driving speed, engine revolutions per minute (RPM), and how much you press the accelerator. This variation helps the engine and other components break in smoothly, which supports better long-term performance and reliability of the vehicle.

For the first 500 miles (800 km), avoid high-performance driving, severe off-road use, and towing. These activities can place excessive stress on the new components before they are properly conditioned.

NOTE:

It is normal for a new engine to use some oil during the first few thousand miles (kilometers) of operation. This is part of the break-in process and should not be considered a defect. If your engine does not have an oil level sensor, be sure to check the oil level frequently during this period and add manufacturer-approved oil as needed.

CAUTION!
Never use Non-Detergent Oil or Straight Mineral Oil in the engine or damage may result. ONLY USE OILS THAT ARE API APPROVED ⇨ page 310.

VEHICLE MAINTENANCE

DESCRIPTION

An authorized dealer has the qualified service personnel, special tools, and equipment to perform all service operations in an expert manner. Service Manuals are available which include detailed service information for your vehicle. Refer to these Service Manuals before attempting any procedure yourself.

NOTE:

Intentional tampering with emissions control systems may void your warranty and could result in civil penalties being assessed against you.

WARNING!
You can be badly injured working on or around a motor vehicle. Only do service work for which you have the knowledge and the proper equipment. If you have any doubt about your ability to perform a service job, take your vehicle to a competent mechanic.

ENGINE AND UNDERHOOD COMPONENTS

Engine Oil Selection

Use only the manufacturer's recommended fluids ⇨ page 310.

American Petroleum Institute (API) Approved Engine Oil

These symbols mean that the oil has been certified by the API. The manufacturer only recommends API trademark oils.



The API Starburst trademark certifies 0W-20, 0W-30 and 5W-30 engine oils.



The API Donut trademark certifies 0W-40 and 5W-40 engine oil.

CAUTION!
Do not use chemical flushes in your engine oil as the chemicals can damage your engine. Such damage is not covered by the New Vehicle Limited Warranty.

Synthetic Engine Oils

Your engine was designed for synthetic engine oils, only use synthetic API approved engine oils.

Synthetic engine oils which do not have both the correct API trademark and the correct SAE viscosity grade numbers should not be used.

Materials Added To Engine Oil

The manufacturer strongly recommends against the addition of any additives (other than leak detection dyes) to the engine oil. Engine oil is an engineered product and its performance may be impaired by supplemental additives.

Disposing Of Used Engine Oil And Oil Filters

Care should be taken in disposing of used engine oil and oil filters from your vehicle. Used oil and oil filters, indiscriminately discarded, can present a problem to the environment. Contact an authorized dealer, service station or governmental agency for advice on how and where used oil and oil filters can be safely discarded in your area.

Checking Oil Level — 3.0L Engines

The 3.0L engine does not have an oil dipstick and there is no need to manually check the oil level. If it is desired to check engine oil level, it can be seen on the instrument cluster display by navigating to the appropriate screen under “Vehicle Info”. Use the **up** △ or **down** ▽ arrow buttons within the steering wheel controls to find the “Vehicle Info” menu. Then use the **right** ▷ or **left** ◁ arrow buttons until you reach the “Oil Level” submenu.

There is a bar on the gauge which shows the oil level. As long as the oil level is between the minimum and the maximum it is safe to operate the vehicle. If the oil level is either too high or too low, a red bar will be illuminated.

When the engine is in need of more oil, the Oil Level Warning Light will illuminate. This warning will appear for five seconds. Within the next 300 miles (500 km) you should add 1 quart of manufacturer specified motor oil to the engine ⇨ page 310.

Oil Level Critically Low (Add 2 Quarts)	
Oil Level Low (Add 1 Quart)	
Oil Level Ok	
Oil Level Critically High	

This light will reappear every time the engine is started until a safe level is detected. Continuing to operate the vehicle without adding oil may result in a critically low oil level and possible engine damage (see the following Caution regarding Critically Low).

NOTE:

Use care when filling under hood fluids such as engine oil, washer fluid, antifreeze, etc. to minimize spillage onto top of engine. Any excess fluid that is spilled onto the top of the engine should be removed using compressed air or an absorbent cloth.

Oil Level Display - How To Refresh

In vehicles equipped with the 3.0L engine, the oil level is automatically monitored when the vehicle is parked on a level surface, the oil is warm and the engine has been off four minutes. To refresh the oil level display (after a quart of the correct oil has been added), follow this process:

- Run the engine until the oil temperature is above 180°F (82°C).
- Park the vehicle on relatively level ground.
- Turn the engine off and cycle the ignition back to the RUN position. Wait four minutes with the engine off, and the ignition in the RUN position.
- Start the engine and the new oil level will be available in the Vehicle Info menu (accessible via the navigation buttons on the steering wheel).

NOTE:

- If there has not been a notable change in the oil level since the previous reading, there may not be any notification or change in the display after the system has taken another reading.
- The oil level system takes measurements only while the engine is off, has warm oil, and the vehicle is parked on reasonably level ground. In order to get a consistent oil level reading the ignition must be in the RUN position for four minutes, however the system may occasionally take readings with the key OFF during normal usage.
- If you have added a quart of oil and the indicator is not reading 3/4 or full, please contact an authorized dealer for service.

WARNING!

Be aware the oil cap may be hot. Please use suitable gloves. WARNING: risk of burns!

CAUTION!

Do not to add too much oil. Overfilling the oil may damage the engine.

NOTE:

- After adding oil to the engine, always reinstall the oil cap securely by rotating clockwise until it stops. Never run the engine without the oil fill cap as this could cause an oil leak.
- Because the oil level is automatically detected only when the engine has been off and restarted (after four minutes), the system cannot immediately detect a sudden drop in oil level while driving (for example, if the oil pan starts to leak due to damage during an off-road event).

CAUTION!

If the "Critically Low or Critically High" Oil Level Warning Light is illuminated, the following steps should be taken:

- Critically Low: add two quarts of manufacturer specified oil as soon as possible ⇨ page 310. Continuing to operate the vehicle with "Critically Low" oil level may damage the engine.

(Continued)

CAUTION!

- Critically High: contact an authorized dealer for service. Continuing to operate the vehicle with "Critically High" oil level may damage the engine.

Do not use any oils that are not manufacturer specified and API approved.

Used engine oil and oil filters contain substances which are harmful to the environment. When oil and filters are changed contact an authorized dealer and dispose of in a safe and responsible manner.

Engine Oil Filter

The engine oil filter should be replaced with a new filter at every engine oil change.

Engine Oil Filter Selection

A full-flow type disposable oil filter should be used for replacement. The quality of replacement filters varies considerably. Only high quality Mopar® certified filters should be used. It is preferred to use bproauto® filters as an alternative. If neither Mopar® or bproauto® filters are available, only use filters that meet or exceed SAE/USCAR-36 filter performance requirements.

Engine Air Cleaner Filter

For the proper maintenance intervals ⇨ page 248.

WARNING!

The air induction system (air cleaner, hoses, etc.) can provide a measure of protection in the case of engine backfire. Do not remove the air induction system (air cleaner, hoses, etc.) unless such removal is necessary for repair or maintenance. Make sure that no one is near the engine compartment before starting the vehicle with the air induction system (air cleaner, hoses, etc.) removed. Failure to do so can result in serious personal injury.

(Continued)

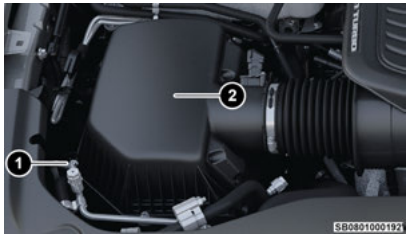
Engine Air Cleaner Filter Selection

The quality of replacement engine air cleaner filters varies considerably. Only high quality Mopar® filters should be used.

ENGINE AIR CLEANER FILTER INSPECTION AND REPLACEMENT

Engine Air Cleaner Filter Removal

1. With suitable tool fully loosen fasteners on the engine air cleaner filter cover.
2. Lift the engine air cleaner, filter cover on the outside edge and push outboard to disengage hinge to detach hinge to access the engine air cleaner filter.



Engine Air Cleaner Filter Cover

1 — Fasteners
2 — Engine Air Cleaner Filter Cover

3. Remove the engine air cleaner filter from the housing assembly.

Engine Air Cleaner Filter Installation

NOTE:
Inspect and clean the housing if significant dirt or debris is present before replacing the engine air cleaner filter.

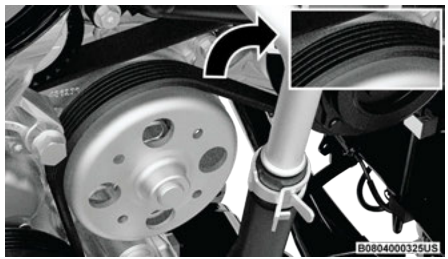
1. Install the engine air cleaner, filter into the housing assembly with the engine air clearner, filter pleats (the area to be inspected) surface facing downward.
2. Install the engine air cleaner filter cover onto the housing assembly locating tabs by first engaging the cover into the hinge.
3. Tighten the fasteners on the engine air cleaner filter assembly.

CAUTION!

Do not overtighten the engine air cleaner filter cover lid screws or damage may result.

Accessory Drive Belt Inspection

When inspecting accessory drive belts, small cracks that run across ribbed surface of belt from rib to rib, are considered normal. These are not a reason to replace the belt. However, cracks running along a rib (not across) are not normal. Any belt with cracks running along a rib must be replaced. Also have the belt replaced if it has excessive wear, frayed cords or severe glazing.



Accessory Belt (Serpentine Belt)

Conditions that would require replacement:

- Rib chunking (one or more ribs has separated from belt body)
- Rib or belt wear
- Longitudinal belt cracking (cracks between two ribs)
- Belt slips
- Groove jumping (belt does not maintain correct position on pulley)
- Belt broken (identify and correct problem before new belt is installed)
- Noise (objectionable squeal, squeak, or rumble is heard or felt while drive belt is in operation)

Some conditions can be caused by a faulty component such as a belt pulley. Belt pulleys should be carefully inspected for damage and proper alignment.

Belt replacement on some models requires the use of special tools, we recommend having your vehicle serviced at an authorized dealer.

WARNING!

- Do not attempt to inspect an accessory drive belt with the vehicle running.
- When working near the radiator cooling fan, disconnect the fan motor lead. The fan is temperature controlled and can start at any time regardless of ignition mode. You could be injured by the moving fan blades.
- You can be badly injured working on or around a motor vehicle. Only do service work for which you have the knowledge and the proper equipment. If you have any doubt about your ability to perform a service job, take your vehicle to a competent mechanic.

Pressure Washing

Cleaning the engine compartment with a high pressure washer is not recommended.

CAUTION!

Precautions have been taken to safeguard all parts and connections however, the pressures generated by these machines is such that complete protection against water ingress cannot be guaranteed.

Maintenance-Free Battery

Your vehicle is equipped with a maintenance-free battery. Water will never have to be added, and periodic maintenance is not required.

WARNING!

- Battery fluid is a corrosive acid solution and can burn or even blind you. Do not allow battery fluid to contact your eyes, skin, or clothing. Do not lean over a battery when attaching clamps. If acid splashes in eyes or on skin, flush the area immediately with large amounts of water. Refer to Jump Starting Procedure ⇨ page 239.
- Battery gas is flammable and explosive. Keep flame or sparks away from the battery. Do not use a booster battery or any other booster source with an output greater than 12 Volts. Do not allow cable clamps to touch each other.
- Battery posts, terminals, and related accessories contain lead and lead compounds. Wash hands after handling.

CAUTION!

- It is essential when replacing the cables on the battery that the positive cable is attached to the positive post and the negative cable is attached to the negative post. Battery posts are marked positive (+) and negative (-) and are identified on the battery case. Cable clamps should be tight on the terminal posts and free of corrosion.
- If a “fast charger” is used while the battery is in the vehicle, disconnect both vehicle battery cables before connecting the charger to the battery. Do not use a “fast charger” to provide starting voltage.

Air Conditioner Maintenance

For best possible performance, your air conditioner should be checked and serviced by an authorized dealer at the start of each warm season. This service should include cleaning of the condenser fins and a performance test. Drive belt tension should also be checked at this time.

WARNING!

- Use only refrigerants and compressor lubricants approved by the manufacturer for your air conditioning system. Some unapproved refrigerants are flammable and can explode, injuring you. Other unapproved refrigerants or lubricants can cause the system to fail, requiring costly repairs. Refer to Warranty Information Book, for further warranty information.

(Continued)

WARNING!

- The air conditioning system contains refrigerant under high pressure. To avoid risk of personal injury or damage to the system, adding refrigerant or any repair requiring lines to be disconnected should be done by an experienced technician.

CAUTION!

Do not use chemical flushes in your air conditioning system as the chemicals can damage your air conditioning components. Such damage is not covered by the New Vehicle Limited Warranty.

REFRIGERANT RECOVERY AND RECYCLING — R–1234YF

R–1234yf Air Conditioning Refrigerant is a Hydrofluoroolefin (HFO) that is endorsed by the Environmental Protection Agency and is an ozone-friendly substance with a low global-warming potential. The manufacturer recommends that air conditioning service be performed by an authorized dealer using recovery and recycling equipment.

NOTE:

Use only manufacturer approved A/C system PAG compressor oil, and refrigerants.

CABIN AIR FILTER REPLACEMENT

The cabin air filter is located in the fresh air inlet behind the glove compartment. Perform the following procedure to replace the filter:

1. Open the glove compartment and remove all contents.

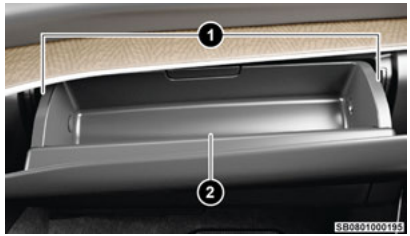
2. With the glove compartment door open, remove the glove compartment tension tether and tether clip by sliding the clip toward the face of the glove compartment door. Lift the clip out of glove compartment door and release into dash panel.



Left Side Of Glove Compartment

1 — Tension Tether
2 — Glove Compartment Door

3. There are glove compartment travel stops on both sides of the glove compartment door. Remove the travel stops by rotating them a quarter turn counterclock-wise using a ¼ inch allen wrench.

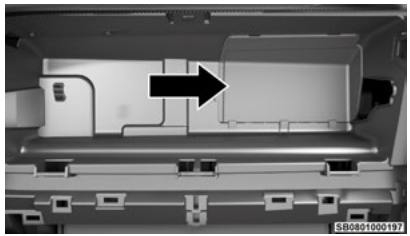


Glove Compartment

1 — Glove Compartment Travel Stops
2 — Glove Compartment Door

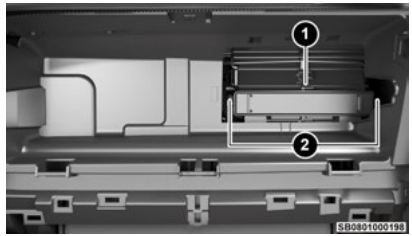
4. Lower the glovebox door and remove it from the three hinges at the bottom on the instrument panel.

5. Pull out on the access door release tab and then pull down from the top to remove the cabin air filter access door from the vehicle.



Cabin Air Filter Access Door

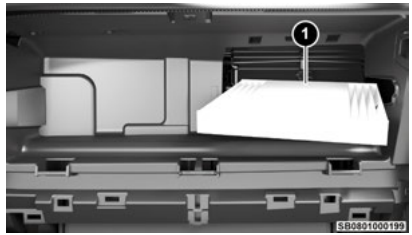
6. Push the outside retaining tabs towards the cabin air filter cover to release the cover from the HVAC housing.



Cabin Air Filter Cover

1 — Cabin Air Filter Cover
2 — Retaining Tabs

7. Remove the cabin air filter by pulling it straight out of the housing.



Cabin Air Filter

1 — Cabin Air Filter

8. Install the cabin air filter with the arrow on the filter pointing toward the floor. When installing the filter cover, make sure the retaining tabs fully engage into the HVAC housing.

CAUTION!
The cabin air filter is identified with an arrow to indicate airflow direction through the filter. Failure to properly install the filter will result in the need to replace it more often.

9. Align the lower tabs on the access panel and then push the top in to lock it securely back into the dash panel.
10. Angle the door to get the glove compartment travel stops back inside the dash panel.
11. Reinstall the glove compartment door on the door hinge.
12. Reattach the glove compartment tension tether by inserting the tether clip in the glove compartment and sliding the clip away from the face of the glove compartment door.

NOTE:

Ensure the glove compartment door hinges and glove compartment travel stops are fully engaged.

13. Reattach the travel stops and check that the door opens and closes.

Cooling System

WARNING!
• You or others can be badly burned by hot engine coolant (antifreeze) or steam from your radiator. If you see or hear steam coming from under the hood, do not open the hood until the radiator has had time to cool. Never open a cooling system pressure cap when the radiator or coolant bottle is hot. • Keep hands, tools, clothing, and jewelry away from the radiator cooling fan when the hood is raised. The fan starts automatically and may start at any time, whether the engine is running or not. • When working near the radiator cooling fan, disconnect the fan motor lead or turn the ignition to the OFF position. The fan is temperature controlled and can start at any time the ignition is in the ON position.

ENGINE COOLANT CHECKS

Check the engine coolant (antifreeze) protection every 12 months (before the onset of freezing weather, where applicable). If the engine coolant is dirty, the system should be drained, flushed, and refilled with fresh Organic Additive Technology (OAT) coolant (conforming to MS.90032) by an authorized dealer. Check the front of the A/C condenser for any accumulation of bugs, leaves, etc. If dirty, clean by gently spraying water from a garden hose vertically down the face of the condenser.

Check the engine cooling system hoses for brittle rubber, cracking, tears, cuts, and tightness of the connection at the coolant recovery bottle and radiator. Inspect the entire system for leaks. DO NOT REMOVE THE COOLANT PRESSURE CAP WHEN THE COOLING SYSTEM IS HOT.

COOLING SYSTEM — DRAIN, FLUSH AND REFILL

NOTE:

Some vehicles require special tools to add coolant properly. Failure to fill these systems properly could lead to severe internal engine damage. If any coolant is needed to be added to the system please contact an authorized dealer.

If the engine coolant (antifreeze) is dirty or contains visible sediment, have an authorized dealer clean and flush with Organic Additive Technology (OAT) coolant (conforming to MS.90032).

For the proper maintenance intervals ⇨ page 248.

SELECTION OF COOLANT

Refer to Engine Fluids And Lubricants ⇨ page 310.

NOTE:

- Mixing of engine coolant (antifreeze) other than specified Organic Additive Technology (OAT) engine coolant, may result in engine damage and may decrease corrosion protection. OAT engine coolant is different and should not be mixed with Hybrid Organic Additive Technology (HOAT) engine coolant or any “globally compatible” coolant. If a non-OAT engine coolant is introduced into the cooling system in an emergency, the cooling system will need to be drained, flushed, and refilled with fresh OAT coolant

(conforming to MS.90032), by an authorized dealer as soon as possible.

- Do not use water alone or alcohol-based engine coolant products. Do not use additional rust inhibitors or antirust products, as they may not be compatible with the radiator engine coolant and may plug the radiator.
- This vehicle has not been designed for use with propylene glycol-based engine coolant. Use of propylene glycol-based engine coolant is not recommended.
- Some vehicles require special tools to add coolant properly. Failure to fill these systems properly could lead to severe internal engine damage. If any coolant is needed to be added to the system please contact an authorized dealer.

ADDING COOLANT

Your vehicle has been built with an improved engine coolant (OAT coolant conforming to MS.90032) that allows extended maintenance intervals. This engine coolant (antifreeze) can be used up to 10 years or 150,000 miles (240,000 km) before replacement. To prevent reducing this extended maintenance period, it is important to use the same engine coolant (OAT coolant conforming to MS.90032) throughout the life of your vehicle.

Please review these recommendations for using Organic Additive Technology (OAT) engine coolant that meets the requirements of the manufacturer Material Standard MS.90032. When adding engine coolant:

- We recommend using Mopar® Antifreeze/Coolant 10 Year/150,000 Mile (240,000 km) Formula OAT that meets the requirements of the manufacturer Material Standard MS.90032.
- Mix a minimum solution of 50% OAT engine coolant that meets the requirements of the manufacturer Material Standard MS.90032 and distilled water. Use higher concentrations (not to exceed 70%) if temperatures below −34 °F (−37 °C) are anticipated. Please contact an authorized dealer for assistance.
- Use only high purity water such as distilled or deionized water when mixing the water/engine coolant solution. The use of lower quality water will reduce the amount of corrosion protection in the engine cooling system.

NOTE:

- It is the owner's responsibility to maintain the proper level of protection against freezing according to the temperatures occurring in the area where the vehicle is operated.
- Use care when filling under hood fluids such as engine oil, washer fluid, antifreeze, etc. to minimize spillage onto top of engine. Any excess fluid that is spilled onto the top of the engine should be removed using compressed air or an absorbent cloth.
- Some vehicles require special tools to add coolant properly. Failure to fill these systems properly could lead to severe internal engine damage. If any coolant is needed to be added to the system, please contact a local authorized dealer.
- Mixing engine coolant types is not recommended and can result in cooling system damage. If HOAT and OAT coolant are mixed in an emergency, have an authorized dealer drain, flush, and refill with OAT coolant (conforming to MS.90032) as soon as possible.

COOLING SYSTEM PRESSURE CAP

The cap must be fully tightened to prevent loss of engine coolant (antifreeze), and to ensure that engine coolant will return to the radiator from the coolant expansion bottle/recovery tank (if equipped).

The cap should be inspected and cleaned if there is any accumulation of foreign material on the sealing surfaces.

WARNING!

- Do not open a hot engine cooling system. Never add engine coolant (antifreeze) when the engine is overheated. Do not loosen or remove the cap to cool an overheated engine. Heat causes pressure to build up in the cooling system. To prevent scalding or injury, do not remove the pressure cap while the system is hot or under pressure.
- Do not use a pressure cap other than the one specified for your vehicle. Personal injury or engine damage may result.

DISPOSAL OF USED COOLANT

Used ethylene glycol-based coolant (antifreeze) is a regulated substance requiring proper disposal. Check with your local authorities to determine the disposal rules for your community. To prevent ingestion by animals or children, do not store ethylene glycol-based coolant in open containers or allow it to remain in puddles on the ground, clean up any ground spills immediately. If ingested by a child or pet, seek emergency assistance immediately.

COOLANT LEVEL

The coolant bottle provides a quick visual method for determining that the coolant level is adequate. With the engine off and cold, the level of the engine coolant (antifreeze) in the bottle should be between the ranges indicated on the bottle.

The radiator normally remains completely full, so there is no need to remove the radiator/coolant pressure cap unless checking for engine coolant freeze point or replacing coolant. Advise your service attendant of this. As long as the engine operating temperature is satisfactory, the coolant bottle need only be checked once a month.

When additional engine coolant is needed to maintain the proper level, only OAT coolant that meets the requirements of the manufacturer Material Standard MS.90032 should be added to the coolant bottle. Do not overfill.

COOLANT LEVEL

The coolant expansion bottle provides a quick visual method for determining that the coolant level is adequate. With the engine off and cold, the level of the coolant (antifreeze) in the bottle should be between the “MAX” and “MIN” lines marked on the bottle.

As long as the engine operating temperature is satisfactory, the coolant bottle need only be checked once a month.

When additional coolant is needed to maintain the proper level, it should be added to the coolant bottle. Do not overfill.

See an authorized dealer for service.

COOLING SYSTEM NOTES

NOTE:

When the vehicle is stopped after a few miles/ kilometers of operation, you may observe vapor coming from the front of the engine compartment. This is normally a result of moisture from rain, snow, or high humidity accumulating on the radiator and being vaporized when the thermostat opens, allowing hot engine coolant (antifreeze) to enter the radiator.

If an examination of your engine compartment shows no evidence of radiator or hose leaks, the vehicle may be safely driven. The vapor will soon dissipate.

- Do not overfill the coolant expansion bottle.
- Check the coolant freeze point in the radiator and in the coolant expansion bottle. If engine coolant needs to be added, the contents of the coolant expansion bottle must also be protected against freezing.
- If frequent engine coolant additions are required, the cooling system should be pressure tested for leaks.
- Maintain engine coolant concentration at a minimum of 50% OAT coolant (conforming to MS.90032) and distilled water for proper corrosion protection of your engine which contains aluminum components.
- Make sure that the coolant expansion bottle overflow hoses are not kinked or obstructed.
- Keep the front of the radiator clean. If your vehicle is equipped with air conditioning, keep the front of the condenser clean.
- Do not change the thermostat for Summer or Winter operation. If replacement is ever necessary, install ONLY the correct type thermostat. Other designs may result in unsatisfactory engine cooling performance, poor gas mileage, and increased emissions.

WIPERS AND WASHERS

Windshield Wiper Blades

Clean the rubber edges of the wiper blades and the windshield periodically with a sponge or soft cloth and a mild nonabrasive cleaner. This will remove accumulations of salt or road film.

Operation of the wipers on dry glass for long periods may cause deterioration of the wiper blades. Always use washer fluid when using the wipers to remove salt or dirt from a dry windshield.

Avoid using the wiper blades to remove frost or ice from the windshield. Keep the blade rubber out of contact with petroleum products such as engine oil, gasoline, etc.

NOTE:

Life expectancy of wiper blades varies depending on geographical area and frequency of use. Poor performance of blades may be present with chattering, marks, water lines or wet spots. If any of these conditions are present, clean the wiper blades or replace as necessary.

The wiper blades and wiper arms should be inspected periodically, not just when wiper performance problems are experienced. This inspection should include the following points:

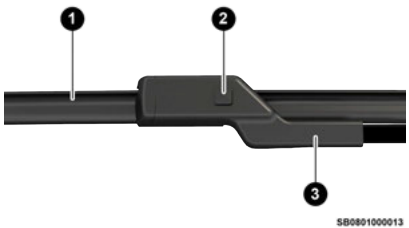
- Wear or uneven edges
- Foreign material

- Hardening or cracking
- Deformation or fatigue

If a wiper blade or wiper arm is damaged, replace the affected wiper arm or blade with a new unit. Do not attempt to repair a wiper arm or blade that is damaged.

FRONT WIPER BLADE REMOVAL/ INSTALLATION

1. Lift the front wiper arm upward to raise the wiper blade off of the windshield.
2. Push the release button on the arm of the wiper blade.
3. Push the wiper blade up and remove it.



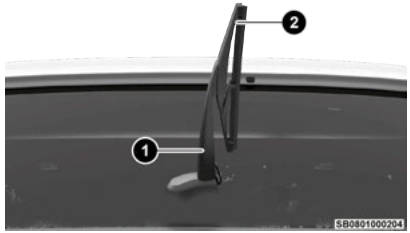
Wiper Arm And Blade

1 — Wiper Blade
2 — Release Button
3 — Wiper Arm

4. Install the wiper blade and firmly push the wiper blade until it snaps into place.

REAR WIPER BLADE REMOVAL/INSTALLATION

1. Lift the rear wiper arm fully off the glass.



Wiper Blade In Folded Out Position

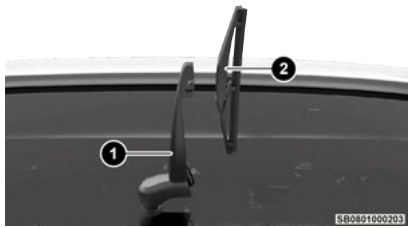
1 — Wiper Arm
2 — Wiper Blade

2. To remove the wiper blade from the wiper arm, grab the bottom end of the wiper blade nearest to wiper arm with your left hand. With your right hand, hold the wiper arm as you pull the wiper blade away from the wiper arm past its stop (far enough to unsnap the wiper blade pivot from the receptacle on the end of the wiper arm).

NOTE:

- Resistance will be accompanied by an audible snap.
- The wiper arm does not stay in the service up position.

3. Still holding the bottom end of the wiper blade, move the wiper blade upward and away from the wiper arm to disengage.



Wiper Blade Removed From Wiper Arm

1 — Wiper Arm
2 — Wiper Blade

4. Gently lower the tip of the wiper arm onto the glass.

Installing The Rear Wiper

1. Lift the rear wiper arm fully off the glass.
2. Insert the wiper blade pivot pin into the opening on the end of the wiper arm. Grab the bottom end of the wiper arm with one hand, and press the wiper blade flush with the wiper arm until it snaps into place.
3. Lower the wiper blade onto the glass.

ADDING WASHER FLUID

The washer fluid reservoir is located in the engine compartment. Be sure to check the fluid level at regular intervals.

NOTE:

Only use Mopar® or commercial windshield sovlent to fill the washer reservoir.

Fill the reservoir with windshield washer solvent only. When refilling the washer fluid reservoir, take some washer fluid and apply it to a cloth or towel and wipe clean the wiper blades, this will help blade performance. To prevent freeze-up of your windshield washer system in cold weather, select a solution or mixture that meets or exceeds the temperature range of your climate.

NOTE:

- The instrument cluster display will indicate when the washer fluid level is low. When the sensor detects a low fluid level, the Low Washer Fluid Warning Light will turn on and the "Washer Fluid Low" message will be displayed.
- The fluid reservoir for the front and rear window washer is shared.

WARNING!

Commercially available windshield washer solvents are flammable. They could ignite and burn you. Care must be exercised when filling or working around the washer solution.

CAUTION!

- Avoid using washer solvents that contain rain repellents as they may affect the performance of the washer level sensor and cause permanent damage to the sensor. Rain repellent washer fluids and glass coatings can also affect the performance of your wiper blades that can cause streaking, hazing/smearing, chatter and other noises.

(Continued)

CAUTION!

- Do not use vinegar-and-water mixtures as windshield washer fluid. Vinegar is acidic and can damage the seals and internal components of the washer system, leading to reduced performance or clogging.

TRANSMISSION(S)

Automatic Transmission

SPECIAL ADDITIVES

The manufacturer strongly recommends against using any special additives in the transmission. Automatic Transmission Fluid (ATF) is an engineered product and its performance may be impaired by supplemental additives. Therefore, do not add any fluid additives to the transmission. Avoid using transmission sealers as they may adversely affect seals.

CAUTION!

Do not use chemical flushes in your transmission as the chemicals can damage your transmission components. Such damage is not covered by the New Vehicle Limited Warranty.

FLUID LEVEL CHECK

The fluid level is preset at the factory and does not require adjustment under normal operating conditions. Routine fluid level checks are not required; therefore the transmission has no dipstick. An authorized dealer can check your transmission fluid level using special service tools. If you notice fluid leakage or transmission malfunction, visit an authorized dealer immediately to have the transmission fluid level checked. Operating the vehicle with an improper fluid level can cause severe transmission damage.

CAUTION!

If a transmission fluid leak occurs, visit an authorized dealer immediately. Severe transmission damage may occur. An authorized dealer has the proper tools to adjust the fluid level accurately.

FLUID AND FILTER CHANGES

Under normal operating conditions, the fluid installed at the factory will provide satisfactory lubrication for the life of the vehicle.

Routine fluid and filter changes are not required. However, change the fluid and filter if the fluid becomes contaminated (with water, etc.), or if the transmission is disassembled for any reason.

SELECTION OF LUBRICANT

It is important to use the proper transmission fluid to ensure optimum transmission performance and life. Use only the manufacturer's specified transmission fluid ⇨ page 311. It is important to maintain the transmission fluid at the correct level using the recommended fluid.

NOTE:

No chemical flushes should be used in any transmission; only the approved lubricant should be used.

CAUTION!

Using a transmission fluid other than the manufacturer's recommended fluid may cause deterioration in transmission shift quality and/or torque converter shudder.

Axles and Transfer Case

Front/Rear Axle Fluid

For normal service, periodic fluid level checks are not required. When the vehicle is serviced for other reasons the exterior surfaces of the axle assembly should be inspected. If gear oil leakage is suspected inspect the fluid level.

FRONT AXLE FLUID LEVEL CHECK

The front axle oil level needs to be no lower than 1/8 inch (3 mm) below the bottom of the fill hole.

The front axle fill and drain plugs should be tightened to 22 to 29 ft-lb (30 to 40 N·m).

CAUTION!

Do not overtighten the plugs as it could damage them and cause them to leak.

REAR AXLE FLUID LEVEL CHECK

The rear axle oil level needs to be no lower than 1/8 inch (3 mm) below the bottom of the fill hole.

The rear axle fill and drain plugs should be tightened to 22 to 29 ft-lb (30 to 40 N·m).

CAUTION!

Do not overtighten the plugs as it could damage them and cause them to leak.

SELECTION OF LUBRICANT

Use only the manufacturer's recommended fluid ⇨ page 311.

Transfer Case

FLUID LEVEL CHECK

For normal service, periodic fluid level checks are not required. When the vehicle is serviced for other reasons the exterior surfaces of the transfer case assembly should be inspected. If oil leakage is suspected inspect the fluid level.

ADDING FLUID

Add fluid at the filler hole, until it runs out of the hole, when the vehicle is in a level position.

DRAIN

First remove fill plug, then remove drain plug. Recommended tightening torque for drain and fill plugs is 15 to 25 ft-lb (20 to 34 N·m).

CAUTION!

When installing plugs, do not overtighten. You could damage them and cause them to leak.

SELECTION OF LUBRICANT

Use only the manufacturer's recommended fluid ⇨ page 311.

Body Lubrication

Locks and all body pivot points, including such items as seat tracks, door hinge pivot points and rollers, liftgate, tailgate, decklid, sliding doors and hood hinges, should be lubricated periodically with a lithium-based grease, such as Mopar® Spray White Lube to ensure quiet, easy operation and to protect against rust and wear. Prior to the application of any lubricant, the parts concerned should be wiped clean to remove dust and grit; after lubricating excess oil and grease should be removed. Particular attention should also be given to hood latching components to ensure proper function. When performing other underhood services, the hood latch, release mechanism and safety catch should be cleaned and lubricated.

The external lock cylinders should be lubricated twice a year, preferably in the Autumn and Spring. Apply a small amount of a high quality lubricant, such as Mopar® Lock Cylinder Lubricant directly into the lock cylinder.

Exhaust System

The best protection against carbon monoxide entry into the vehicle body is a properly maintained engine exhaust system.

If you notice a change in the sound of the exhaust system; or if exhaust fumes can be detected inside the vehicle; or when the underside or rear of the vehicle is damaged; have an authorized technician inspect the complete exhaust system and adjacent body areas for

broken, damaged, deteriorated, or mispositioned parts. Open seams or loose connections could permit exhaust fumes to seep into the passenger compartment. In addition, have the exhaust system inspected each time the vehicle is raised for lubrication or oil changes. Replace as required.

WARNING!

- Exhaust gases can injure or kill. They contain carbon monoxide (CO), which is colorless and odorless. Breathing it can make you unconscious and can eventually poison you. To avoid breathing CO ⇨ page 245.
- A hot exhaust system can start a fire if you park over materials that can burn. Such materials might be grass or leaves coming into contact with your exhaust system. Do not park or operate your vehicle in areas where your exhaust system can contact anything that can burn.

CAUTION!

- The catalytic converter requires the use of unleaded fuel only. Leaded gasoline will destroy the effectiveness of the catalyst as an emissions control device and may seriously reduce engine performance and cause serious damage to the engine.
- Damage to the catalytic converter can result if your vehicle is not kept in proper operating condition. In the event of engine malfunction, particularly involving engine misfire or other

(Continued)

CAUTION!

apparent loss of performance, have your vehicle serviced promptly. Continued operation of your vehicle with a severe malfunction could cause the converter to overheat, resulting in possible damage to the converter and vehicle.

Under normal operating conditions, the catalytic converter will not require maintenance. However, it is important to keep the engine properly tuned to ensure proper catalyst operation and prevent possible catalyst damage.

NOTE:

Intentional tampering with emissions control systems can result in civil penalties being assessed against you.

In unusual situations involving grossly malfunctioning engine operation, a scorching odor may suggest severe and abnormal catalyst overheating. If this occurs, stop the vehicle, turn off the engine and allow it to cool. Service, including a tune-up to manufacturer's specifications, should be obtained immediately.

To minimize the possibility of catalytic converter damage:

- Do not interrupt the ignition when the transmission is in gear and the vehicle is in motion.
- Do not try to start the vehicle by pushing or towing the vehicle.
- Do not idle the engine with any ignition components disconnected or removed, such as during diagnostic testing, or for prolonged periods during very rough idle or malfunctioning operating conditions.

Brake System

In order to ensure brake system performance, all brake system components should be inspected periodically. For the proper maintenance intervals ⇨ page 248.

WARNING!

Riding the brakes can lead to brake failure and possibly a collision. Driving with your foot resting or riding on the brake pedal can result in abnormally high brake temperatures, excessive lining wear, and possible brake damage. You would not have your full braking capacity in an emergency.

Fluid Level Check — Brake Master Cylinder

The fluid level of the master cylinder should be checked whenever the vehicle is serviced, or immediately if the Brake System Warning Light is on. If necessary, add fluid to bring level within the designated marks on the side of the reservoir of the brake master cylinder. Be sure to clean the top of the master cylinder area before removing cap. With disc brakes, fluid level can be expected to fall as the brake pads wear. Brake fluid level should be checked when pads are replaced. If the brake fluid is abnormally low, check the system for leaks.

WARNING!

- Use only manufacturer's recommended brake fluid ⇨ page 311. Using the wrong type of brake fluid

(Continued)

WARNING!

can severely damage your brake system and/or impair its performance. The proper type of brake fluid for your vehicle is also identified on the original factory installed hydraulic master cylinder reservoir.

- To avoid contamination from foreign matter or moisture, use only new brake fluid or fluid that has been in a tightly closed container. Keep the master cylinder reservoir cap secured at all times. Brake fluid in an open container absorbs moisture from the air resulting in a lower boiling point. This may cause it to boil unexpectedly during hard or prolonged braking, resulting in sudden brake failure. This could result in a collision.
- Overfilling the brake fluid reservoir can result in spilling brake fluid on hot engine parts, causing the brake fluid to catch fire. Brake fluid can also damage painted and vinyl surfaces, care should be taken to avoid its contact with these surfaces.
- Do not allow petroleum-based fluid to contaminate the brake fluid. Brake seal components could be damaged, causing partial or complete brake failure. This could result in a collision.

FUSES

General Information

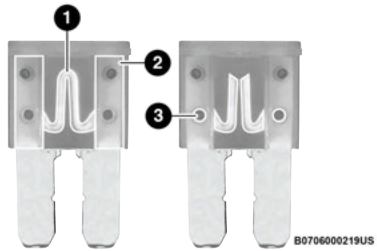
WARNING!

- When replacing a blown fuse, always use an appropriate replacement fuse with the same amp rating as the original fuse. Never replace a fuse with another fuse of higher amp rating. The use of a fuse with a rating other than indicated may result in a dangerous electrical system overload. If a properly rated fuse continues to blow, it indicates a problem in the circuit that must be corrected. Never replace a blown fuse with metal wires or any other material. Do not place a fuse inside a circuit breaker cavity or vice versa. Failure to use proper fuses may result in serious personal injury, fire and/or property damage.
- Before replacing a fuse, make sure that the ignition is off and that all the other services are switched off and/or disengaged.
- If the replaced fuse blows again, contact an authorized dealer.
- If a general protection fuse for safety systems (air bag system, braking system), power unit systems (engine system, transmission system) or steering system blows, contact an authorized dealer.

The fuses protect electrical systems against excessive current.

When a device does not work, you must check the fuse element inside the blade fuse for a break/melt.

Also, please be aware that using power outlets for extended periods of time with the engine off may result in vehicle battery discharge.



Blade Fuses

1 — Fuse Element
2 — Blade Fuse with a good/functional fuse element
3 — Blade Fuse with a bad/not functional fuse element (blown fuse)

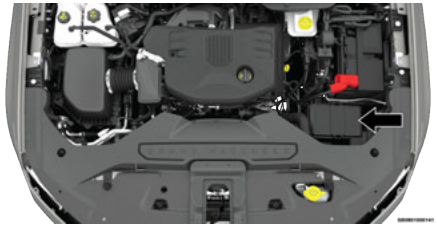
Underhood Fuses — Gasoline Engine

The Power Distribution Center (PDC) is located in the engine compartment. This center contains cartridge fuses, micro fuses, relays, and circuit breakers. A description of each fuse and component may be stamped on the inside cover, otherwise the cavity number of each fuse is stamped on the inside cover that corresponds to the following chart.

CAUTION!

When installing the power distribution center cover, it is important to ensure the cover is properly positioned and fully latched. Failure to do so may allow water to get into the power distribution center and possibly result in an electrical system failure.

NOTE:
Fuses for safety systems must be serviced by an authorized dealer.



Underhood PDC

Cavity	Cartridge Fuse	Micro Fuse	Description
		*** If Equipped**	
F01	–	–	CRANK BATTERY INPUT
F02	80 Amp / 100 Amp Gray	–	ELECTRIC POWER STEERING MODULE - 1 (EPS)
F03	500 Amp Gray	–	STARTER
F04	250 Amp Gray	–	ALTERNATOR / IDCM - DC/DC CONVERTOR
F05	80 Amp / 100 Amp Gray	–	ELECTRIC POWER STEERING MODULE - 2 (EPS
F06	–	–	AUX BATTERY INPUT W/L2+ DUAL BATT*
F07	100 Amp Gray	–	600W/850W RAD FAN
F08	–	–	NOT POPULATED

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F09	80 Amp / 200 Amp Gray	–	AUX BATTERY FEED TO iPDC / FEED TO ABIM / REPB AUX BATTERY INPUT DUAL BATT
F10	150 Amp Gray	–	AUX BATTERY FEED TO rPDC
F11	150 Amp Gray	–	CRANK BATT INPUT PCR FUSE W/ESS & L2+*
F12	–	10 Amp Red	REPB: COOLANT PROPORTIONING VALVE (CPV) / REPB: BATTERY HEATING VALVE (BHV)
F13	40 Amp Green	–	STARTER #1 & STARTER #2
F14	–	10 Amp Red	GNMM / VPMS (L2 + ONLY)
F15	–	10 Amp Red	MOD_ECM (VOLTAGE SENSE)
F16	–	15 Amp Blue	MOD_CLUSTER
F17A	–	10 Amp Red	MOD EPS
F17B			NOT POPULATED
F18	–	20 Amp Yellow	BEV/REPB: OIL PUMP - RR EDM
F19	30 Amp Pink	–	BSM #2 VALVES (L2 + ONLY)
F20	–	–	NOT POPULATED
F21	–	–	NOT CONNECTED / ROUTED

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F22	30 Amp Pink	–	BEV/REPB : OIL PUMP-FT.EDM
F23A	–	10 Amp Red	MOD_ECM - (GAS) / MOD BSM #1/ MOD SLM / MOD PIM (PHEV) / MOD HIGM (PHEV)
F23B			MOD_AIR SUSPENSION / MOD ELSD-RR / MOD EPS
F24	–	–	NOT POPULATED
F25	–	–	NOT CONNECTED / ROUTED
F26	50 Amp Red	–	BSM #2 MOTOR (L2 + ONLY)
F27	30 Amp Pink	–	REAR DEFROSTER (EBL)
F28	–	–	NOT CONNECTED / ROUTED
F29	–	–	NOT CONNECTED / ROUTED
F30	–	–	NOT CONNECTED / ROUTED
F31	40 Amp Green	–	MOD BCM FEED #3
F32	–	–	NOT CONNECTED / ROUTED
F33	–	–	NOT POPULATED
F34	–	–	NOT POPULATED

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F35	–	–	NOT CONNECTED / ROUTED
F36	50 Amp Red	–	MOD BCM FEED #1
F37	30 Amp Pink	–	MOD DTCM
F38	50 Amp Red	–	MOD BCM FEED #2
F39	–	–	NOT CONNECTED / ROUTED
F40	–	5 Amp Tan	INTELLIGENT BATTERY SENSOR #1 (IBS #1)
F41	–	20 Amp Yellow	CENTRAL ADAS DECISION MOD (CADM) MAP / MPAD-2
F42	30 Amp Pink	–	PHEV / BEV / REPB : PECP-2
F43	–	10 Amp Red	ENGINE CONTROL MODULE (ECM) - GAS ENGINES
F44	–	20 Amp Yellow	PECP LOW TEMP PASSIVE PUMP / PECP ENABL
F45	–	–	NOT POPULATED
F46	–	5 Amp Tan	INTELLIGENT BATTERY SENSOR (IBS#2) L2+ ONLY
F47	–	–	THUNDER: ADCAM
F48	–	10 Amp Red	MOD CVPAM / THUNDER: MOD_CVADAS

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F49	30 Amp Pink	–	MOD AIR SUSPENSION VALVES
F50	–	–	NOT CONNECTED / ROUTED
F51	–	–	NOT POPULATED
F52	–	–	NOT POPULATED
F53	–	10 Amp Red	BEV / REPB: ELECTRIC AIR HEATER (EAH)
F54	–	20 Amp Yellow	SLM FEED LT
F55	–	20 Amp Yellow	PHEV / BEV / REPB: BCP - LOW TEMP ACTIVE PUMP / BCP (BATTERY COOLANT PUMP ENABLE)
F56	–	–	NOT POPULATED
F57	–	–	NOT POPULATED
F58	–	–	NOT POPULATED
F59	40 Amp Green	–	POWER SIDE STEPS
F60	–	–	NOT POPULATED
F61	50 Amp Red	–	MOD AIR SUSPENSION
F62	–	–	NOT POPULATED

Cavity	Cartridge Fuse	Micro Fuse	Description
*** If Equipped**			
F63	–	20 Amp Yellow	CAMERA WASHER FRONT
F64	–	15 Amp Blue	PHEV: MOD HIGM REDUNDANT POWER SUPPLY
F65	–	15 Amp Blue	LIDAR
F66	–	20 Amp Yellow	HORNS
F67	–	10 Amp Red	MOD_DTCM / SWITCHABLE ENGINE MOUNT #1 & #2 / MOD BSM #2
F68	–	20 Amp Yellow	SLM FEED RT
F69	–	20 Amp Yellow 15 Amp Blue	PHEV: PECP - 2 / MOD_HIGH-MAIN POWER SUPPLY (PF) GMET6 : LTR COOLANT PUMP
F70	–	20 Amp Yellow	IGN COIL 3.6 L / 5.7 L / 6.4 L / IGN CAPACITOR 3.6 L / 5.7 L / 6.4 L / FUEL INJECTOR 3.6 L GMET6 - SO - MOD - ISCM (IGN SYSTEM CONTROL MODULE)
F71	–	–	NOT CONNECTED / ROUTED
F72	–	–	NOT POPULATED
F73	–	–	NOT POPULATED
F74	–	–	NOT POPULATED

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F75	30 Amp Pink	–	FRONT WIPER MOD
F76	–	–	NOT POPULATED
F77	–	20 Amp Yellow	MOD TCM SBW
F78	–	20 Amp Yellow	ACT SHORT RUNNER VALVE / MOD ECM 3.6 L / 5.7 L / 6.4 L / 3.0 L GMET6
F79	–	15 Amp Blue	FUEL INJECTORS 5.7 L / 6.4 L / GMET6 - SURGE SOLENOID / OIL LEVEL SENSOR / SOL MAKE - UP AIR VALVE / SOL OBD BY - PASS / O2 HEATERS #1, #2, #3, #4 PHEV / REPB : MOD_ELCM / FUEL TANK ISOLATION VALVE (FTIV) / FUEL DOOR (PHEV)
F80	20 Amp Blue	–	MOD_ECM (GAS)
F81	40 Amp Green	–	MOD BCM FEED #4
F82	–	–	NOT CONNECTED / ROUTED
F83	50 Amp Red	–	MOD_TCM
F84	–	–	NOT POPULATED
F85	–	10 Amp Red	PCR RELAY COIL #1
F86	50 Amp Red	–	BSM#1 - VALVES

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F87	–	–	NOT POPULATED
F88	50 Amp Red	–	BSM#1 - MOTOR
F89	–	–	NOT POPULATED
F90	–	–	NOT CONNECTED / ROUTED
F91	–	–	NOT CONNECTED / ROUTED
F92	–	–	NOT POPULATED
F93	–	25 Amp Tan	NOT POPULATED
F94	–	10 Amp Red / 5 Amp Tan	ELECTRIC A/C COMPRESSOR / ELEC EXPANSION VALVE MODULE / ELECTRIC BATTERY CHILLER VLAVE / ELECTRIC EXPANSION VALVE MODULE (CEXV)
F95	–	–	NOT POPULATED
F96	–	5 Amp Tan	PHEV / REPB: HV ELECTRIC COOLANT HEATER
F97	–	–	NOT POPULATED
F98	–	–	NOT POPULATED
F99	–	–	NOT POPULATED
F100A	–	–	NOT POPULATED

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F100B	–	–	NOT POPULATED
F101	–	–	NOT POPULATED
F102	–	25 Amp Gray	FUEL PMP MTR 1*
F103	–	–	NOT POPULATED
F104A	–	15 Amp Blue	ACT_GRILL_SHUTTER_LOWER/ MOD_ACTIVE AIR_ DAM / ACT_COOLANT_VALVE-LCVM (GMET 6) / RATVM (GMET 6) / REPB/BEV : SWITCHBOX (RLY_PWR_FLOW) / BEV: POWER PANEL - 12V
F104B			PHEV / BEV / REPB: AHP - HIGH TEMP AUX PUMP / AHP ENABLE
F105A	–	10 Amp Red	THUNDER: HEADS UP DISPLAY / TELEMATICS BOX MODULE (TBM) / MOD_SGW (CYBERSECURITY)
F105B			LONG RANGE RADAR FRONT (LRRF)

Interior Power Distribution Center

The Interior Power Distribution Center is located under the driver's instrument panel. This center contains cartridge fuses, micro fuses, relays, and circuit breakers.



Interior Power Distribution Center Location

NOTE:
Fuses for safety systems must be serviced by an authorized dealer.

Cavity	Cartridge Fuse	Micro Fuse	Description
		* If Equipped	
F01	–	–	NOT POPULATED
F02	–	–	NOT POPULATED
F03	–	15 Amp Blue	MOD SEAT HEATER FRT / MOD COMFORT STEERING WHEEL SURFACE *
F04	–	10 Amp Red	NIGHT VISION MODULE / DRIVER MONITORING CAMERA (DMC)
F05	–	–	NOT POPULATED
F06	–	–	NOT POPULATED

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F07	–	–	NOT POPULATED
F08	–	15 Amp Blue	TRAILER STEERING CONTROL KNOB
F09	–	–	NOT POPULATED
F10	40 Amp Green	–	HVAC BLOWER MOTOR
F11	–	5 Amp Tan	PHEV : ELECTRIC AC COMPRESSOR(IOD) / BATTERY CHARGE INDICATOR / CHARGE INDICATOR (CPIM)
F12	–	20 Amp Yellow	ASSY CIGAR LIGHTER
F13	–	10 Amp Red	ASSY MIRROR INSIDE REARVIEW / USB CHARGE 1ST ROW CONSOLE ARMREST / PORT UC1 DUAL USB RR / INTERIOR MONITORING CAMERA
F14	–	–	NOT POPULATED
F15A	–	–	NOT POPULATED
F15B	–	–	NOT POPULATED
F16	–	10 Amp Red	MOD ORC
F17	–	–	NOT POPULATED
F18	–	–	NOT POPULATED

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F19	–	–	NOT POPULATED
F20	–	10 Amp Red	OVERHEAD CONSOLE ASSY (OHC) W/SUNSHADE / INTRUSION MODULE
F21	30 Amp Pink	–	INTEGRATED TRAILER TRAILER CONTROL MODULE (ITCM) MOD_ELECTRIC_BRAKE_AFTERMARKET
F22	–	–	NOT POPULATED
F23	–	–	NOT POPULATED
F24	–	–	NOT POPULATED
F25	–	–	NOT POPULATED
F26	–	–	NOT POPULATED
F27	–	–	NOT POPULATED
F28	–	–	ADD MOD_CMCM (RADIO)
F29	–	–	NOT POPULATED
F30	–	–	NOT POPULATED
F31	–	–	NOT POPULATED

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F32	–	15 Amp Blue	MOD_ICS_SWITCH BANK / MOD_HVAC_CTRL FT / SW_BANK_UPPER (ASBM #2) / SW_EPB HRLS (HUMIDITY RAIN LIGHT SENSOR)
F33	–	15 Amp Blue	TRANSFERCASE_SW / SUSPENSION_SW / SW_BANK_LOWER (ASBM#1) / MOD_ICS_SWITCH BANK_REAR
F34	–	10 Amp Red	J3-16 C9 - IRCAM HEATER
F35	–	10 Amp Red	IRCAM HEATER *
F36	–	–	NOT POPULATED
F37	–	–	NOT POPULATED
F38	–	–	NOT POPULATED
F39	–	–	NOT POPULATED
F40	–	–	NOT POPULATED
F41A	–	10 Amp Red	MOD OCCUPANT CLASS * / STEERING COLUMN LOCK
F41B			NOT POPULATED
F42A	–	10 Amp Red	PARKTRONICS SYSTEM MOD (PTS) / MOD HAPTIC LANE FEEDBACK * / TRAILER TOW MODULE
F42B			MOD HVAC CONTROL / FRT ERC MOTOR CTRL / RR ERC MOTOR CTRL

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F43A	–	–	NOT POPULATED
F43B	–	–	NOT POPULATED
F44	–	15 Amp Blue	MOD CLUSTER CCN / MOD SGW (CYBERSECURITY)
F45	–	–	NOT POPULATED
F46	–	–	NOT POPULATED
F47A	–	–	NOT POPULATED
F47B	–	–	NOT POPULATED
F48A	–	–	NOT POPULATED
F48B	–	–	NOT POPULATED
F49	–	7.5 Amp Brown	MOD RF HUB / Module Ignition (MD KIN)
F50A	–	10 Amp Red	Port_UCI_Dual-USB-REAR (UCI_2)
F50B			PORT DIAGNOSTICS 1 & 2
F51A	–	–	NOT POPULATED
F51B	–	–	NOT POPULATED
F52	–	–	NOT POPULATED

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F53	–	20 Amp Yellow	MOD_CMCM RADIO *
F54A	–	–	NOT POPULATED
F54B	–	–	NOT POPULATED
F55	–	–	NOT POPULATED
F56	–	–	NOT POPULATED
F57	–	–	NOT POPULATED
F58	–	–	NOT POPULATED
F59	–	–	NOT POPULATED
F60	–	–	NOT POPULATED
F61	–	–	NOT POPULATED
F62A	–	–	NOT POPULATED
F62B	–	–	NOT POPULATED
F63A	–	15 Amp Blue	PORT UC1 DUAL USB FRT / WIRELESS CHARGING PAD MOD (WCPM)
F63B			MODE_DCSB MOD_FPDM (FRONT PASSENGER DISPLAY MODULE)

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F64A	–	10 Amp Red	MOD ORC
F64B			STEERING COLUMN CONTROL MODULE (SCCM)
F65	–	15 Amp Blue	BATTERY PACK CONTROL MODULE (BPCM) - REDUNDANT
F66	–	5 Amp Tan	MOD SGW (CYBERSECURITY)
CB1	–	–	NOT POPULATED
CB2	–	–	NOT POPULATED
CB3	–	–	NOT POPULATED
CB4	–	–	NOT POPULATED
CB5	–	–	NOT POPULATED
CB6	–	–	NOT POPULATED

Rear Power Distribution Center

The Rear Power Distribution Center is located behind a trim cover of the rear driver's side quarter panel. This center contains cartridge fuses, micro fuses, relays, and circuit breakers. The following chart corresponds to the fuses inside.



Rear Power Distribution Center Location

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F01	–	–	NOT POPULATED
F02	–	–	NOT POPULATED
F03	–	–	AUXILIARY BATTERY FEED *
F04	–	–	NOT POPULATED
F05	150 Amp Gray	–	FEED FROM UNDERHOOD PDC
F06	–	–	NOT POPULATED
F07	–	–	NOT POPULATED
F08	–	–	NOT POPULATED

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F09	–	–	NOT POPULATED
F10	–	–	NOT POPULATED
F11	–	–	NOT POPULATED
F12	–	–	NOT POPULATED
F13	–	–	NOT POPULATED
F14	25 Amp Tan	–	MTR_SUNSHADE_SUNROOF-DUAL_PANE
F15A	–	10 Amp Red	NOT POPULATED
F15B			HANDS-FREE LIFTGATE / REAR WINDOW SWITCHES / MOD HVAC CNTRL RR
F16	–	–	NOT POPULATED
F17	–	–	NOT POPULATED
F18	25 Amp Tan	–	POWER LIFTGATE MODULE
F19A	–	–	NOT POPULATED
F19B	–	10 Amp Red	ANIMATION LIGHTING_RR-LT

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F20A	–	15 Amp Blue	CENTRAL ADAS DECISION MODULE (CADM)
F20B			NOT POPULATED
F21A	–	10 Amp Red	SUNROOF-DUAL PANE/2ND & 3RD ROW SEAT_SW-ILLUMINATION
F21B	–	10 Amp Red	SUNROOF-DUAL PANE/2ND & 3RD ROW SEAT_SW-ILLUMINATION
F22	–	–	NOT POPULATED
F23	–	10 Amp Red	RR SEAT ENTERTAINMENT_DRIVER & PASS
F24	–	–	NOT POPULATED
F25	30 Amp Pink	–	MOD DOOR MUX PASSENGER
F26	–	–	NOT POPULATED
F27	–	–	NOT POPULATED
F28	30 Amp Pink	–	MOD MEMORY / POWER SEAT (PASSENGER FRT)
F29A	–	10 Amp Red	ANIMATION LIGHTING_RR-RT
F29B			ANIMATION LIGHTING_RR-LT
F30	30 Amp Pink	–	MOD MEMORY / POWER SEAT (DRIVER FRT)

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F31	–	–	NOT POPULATED
F32	–	–	NOT POPULATED
F33	–	–	NOT POPULATED
F34	30 Amp Pink	–	MOD Door MUX Driver
F35	25 Amp Clear	–	TRAILER TOW MODULE #2
F36A	–	10 Amp Red	INTELLIGENT EVENT BASE LIGHTING MODULE
F36B			NOT POPULATED
F37	25 Amp Clear	–	TRAILER TOW MODULE #1
F38	–	–	NOT POPULATED
F39	–	–	NOT POPULATED
F40	–	30 Amp Green	MOD AUDIO AMPLIFIER #1A
F41	–	–	NOT POPULATED
F42A	–	10 Amp Red	RSE_VIDEO_USB_CONSOLE_FT/PORT MEDIA HUB_FPDM
F42B			NOT POPULATED

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F43	–	–	NOT POPULATED
F44A	–	20 Amp Yellow	12 VOLT POWER OUTLET CARGO AREA (IGN)
F44B			12 VOLT POWER OUTLET CARGO AREA (BATTERY)
F45	–	20 Amp Yellow	MOD CRSM (HEATED SEAT RR RT)
F46	30 Amp Pink	–	FOLDING SEAT MODULE 3RD ROW FEED #1 *
F47	–	–	NOT POPULATED
F48	–	–	NOT POPULATED
F49	–	–	NOT POPULATED
F50	–	15 Amp Blue	SEAT MASSAGE DRIVER MOD (SSMD) / SEAT MASSAGE PASSENGER MOD (SSMP) *
F51	–	–	NOT POPULATED
F52	–	20 Amp Yellow	MOD CRSM (HEAT SEAT RR LT) *
F53	30 Amp Pink	–	ELECTRONIC LIMITED SLIP DIFFERENTIAL (ELSD) REAR #1
F54	–	–	NOT POPULATED
F55	30 Amp Pink	–	FOLDING SEAT MODULE_3RD ROW FEED #2 *

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F56	–	–	NOT POPULATED
F57	–	10 Amp Red	MOD_HVAC_CONTROL_RR/MOD OCCUPANT CLASS/CVPAM/PARK-TRONICS MOD/TRAILER TOW MODULE
F58	–	15 Amp Blue	3RD ROW ADDITIONAL USB CHARGE (ONLY LT - RT) / PORT PWR USB CONSOLE UBS (CH ONLY)
F59	–	5 Amp Tan	SMART DOOR HANDLE REAR RT
F60	25 Amp Tan	–	RR HVAC BLOWER
F61	–	–	NOT POPULATED
F62	–	20 Amp Yellow	MODULE SEAT HEATER FRT (DRIVER) *
F63	30 Amp Pink	–	ASSY TRAILER TOW RECEPTACLE B+
F64	–	10 Amp Red	MOD SPAAK
F65	–	–	NOT POPULATED
F66	20 Amp Blue	–	MOD DOOR MUX PASSENGER REAR - SMART MOTOR
F67	–	30 Amp Green	MOD AUDIO AMPLIFIER #1B
F68	–	–	NOT POPULATED
F69	–	20 Amp Yellow	L2+ CENTRAL ADAS DECISION MODULE (CADM) MID *

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F70	–	10 Amp Red	VIDEO ROUTING MODULE (VRM) / PORT POWER - USB IP (USB CH ONLY)
F71	–	5 Amp Tan	NFC DOOR HANDLE #1
F72	–	–	NOT POPULATED
F73	–	–	NOT POPULATED
F74	–	–	NOT POPULATED
F75	–	5 Amp Tan	NFC DOOR HANDLE #3
F76	–	5 Amp Tan	NFC DOOR HANDLE #2
F77	–	–	NOT POPULATED
F78	–	–	NOT POPULATED
F79	–	–	NOT POPULATED
F80	–	–	NOT POPULATED
F81	–	20 Amp Yellow	MODULE SEAT HEATER FRT (PASS) *
F82	–	10 Amp Red	ANIMATION LIGHTING RR/ANIMATION LIGHTING LIFTGATE TAILLAMP
F83	–	–	NOT POPULATED

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F84	–	15 Amp Blue	SENSOR UWB (1-7)
F85	–	–	NOT POPULATED
F86	–	15 Amp Blue	LUMBAR SUPPORT DRIVER - PASSENGER SW *
F87	–	–	NOT POPULATED
F88	20 Amp Blue	–	MOD DOOR MUX DRIVER REAR - SMART MOTOR

LIGHT REPLACEMENT

Replacement Bulbs, Names, And Part Numbers

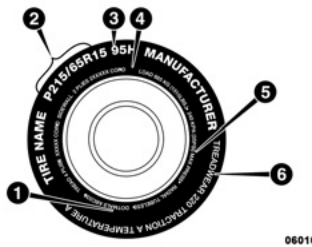
Your vehicle is equipped with LED lamps. In the event of a light malfunction, please see an authorized dealer for LED replacement.

TIRES AND WHEELS

Tire Safety Information

Tire safety information will cover aspects of the following information: Tire Markings, Tire Identification Numbers, Tire Terminology and Definitions, Tire Pressures, and Tire Loading.

Tire Markings



Tire Markings

1 — US DOT Safety Standards Code (TIN)
2 — Size Designation
3 — Load Index/Speed Rating
4 — Maximum Load
5 — Maximum Pressure
6 — Treadwear, Traction and Temperature Grades

NOTE:

- P (Passenger) — Metric tire sizing is based on US design standards. P-Metric tires have the letter "P" molded into the sidewall preceding the size designation. Example: P215/65R15 95H.
- European — Metric tire sizing is based on European design standards. Tires designed to this standard have the tire size molded into the sidewall beginning

with the section width. The letter "P" is absent from this tire size designation. Example: 215/65R15 96H.

- LT (Light Truck) — Metric tire sizing is based on US design standards. The size designation for LT-Metric tires is the same as for P-Metric tires except for the letters “LT” that are molded into the sidewall preceding the size designation. Example: LT235/85R16.
- Temporary spare tires are designed for temporary emergency use only. Temporary high pressure compact spare tires have the letter “T” or “S” molded into the sidewall preceding the size designation. Example: T145/80D18 103M.
- High flotation tire sizing is based on US design standards and it begins with the tire diameter molded into the sidewall. Example: 31x10.5 R15 LT.

TIRE SIZING CHART

EXAMPLE:
Example Size Designation: P215/65R15XL 95H, 215/65R15 96H, LT235/85R16C, T145/80D18 103M, 31x10.5 R15 LT
P = Passenger car tire size based on US design standards, or **"....blank...."** = Passenger car tire based on European design standards, or **LT** = Light truck tire based on US design standards, or **T or S** = Temporary spare tire or **31** = Overall diameter in inches (in) **215, 235, 145** = Section width in millimeters (mm) **65, 85, 80** = Aspect ratio in percent (%) ● Ratio of section height to section width of tire, or **10.5** = Section width in inches (in)

EXAMPLE:
R = Construction code ● "R" means radial construction, or ● "D" means diagonal or bias construction
15, 16, 18 = Rim diameter in inches (in)
Service Description:
95 = Load Index ● A numerical code associated with the maximum load a tire can carry
H = Speed Symbol ● A symbol indicating the range of speeds at which a tire can carry a load corresponding to its load index under certain operating conditions ● The maximum speed corresponding to the speed symbol should only be achieved under specified operating conditions (i.e., tire pressure, vehicle loading, road conditions, and posted speed limits)
Load Identification: Absence of the following load identification symbols on the sidewall of the tire indicates a Standard Load (SL) tire: ● **XL** = Extra load (or reinforced) tire, or ● **LL** = Light load tire or ● **C, D, E, F, G** = Load range associated with the maximum load a tire can carry at a specified pressure
Maximum Load – Maximum load indicates the maximum load this tire is designed to carry
Maximum Pressure – Maximum pressure indicates the maximum permissible cold tire inflation pressure for this tire

Tire Identification Number (TIN)

The TIN may be found on one or both sides of the tire; however, the date code may only be on one side. Tires with white sidewalls will have the full TIN, including the date code, located on the white sidewall side of the tire. Look for the TIN on the outboard side of black sidewall tires as mounted on the vehicle. If the TIN is not found on the outboard side, then you will find it on the inboard side of the tire.

EXAMPLE:
DOT MA L9 ABCD 0301
DOT = Department of Transportation • This symbol certifies that the tire is in compliance with the US Department of Transportation tire safety standards and is approved for highway use
MA = Code representing the tire manufacturing location (two digits)
L9 = Code representing the tire size (two digits)
ABCD = Code used by the tire manufacturer (one to four digits)
03 = Number representing the week in which the tire was manufactured (two digits) • 03 means the 3rd week
01 = Number representing the year in which the tire was manufactured (two digits) • 01 means the year 2001 • Prior to July 2000, tire manufacturers were only required to have one number to represent the year in which the tire was manufactured. Example: 031 could represent the 3rd week of 1981 or 1991

Tire Terminology And Definitions

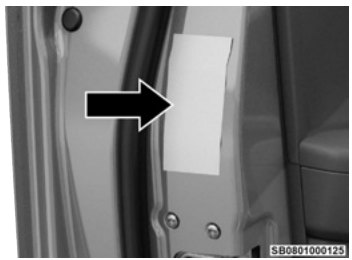
Term	Definition
B-pillar	The vehicle B-pillar is the structural member of the body located behind the front door.
Cold Tire Inflation Pressure	Cold tire inflation pressure is defined as the tire pressure after the vehicle has not been driven for at least three hours, or driven less than 1 mile (1.6 km) after sitting for a minimum of three hours. Inflation pressure is measured in units of psi (pounds per square inch) or kPa (kilopascals).
Maximum Inflation Pressure	The maximum inflation pressure is the maximum permissible cold tire inflation pressure for this tire. The maximum inflation pressure is molded into the sidewall.
Recommended Cold Tire Inflation Pressure	Vehicle manufacturer's recommended cold tire inflation pressure as shown on the tire placard.
Tire Placard	A label permanently attached to the vehicle describing the vehicle's loading capacity, the original equipment tire sizes and the recommended cold tire inflation pressures.

Tire Loading And Tire Pressure

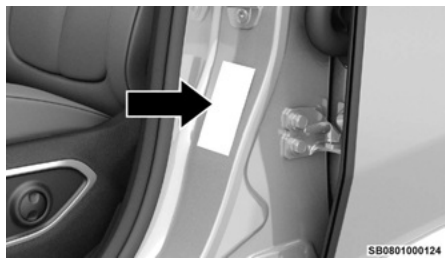
NOTE:

The proper cold tire inflation pressure is listed on the driver's side B-pillar or the rear edge of the driver's side door.

Check the inflation pressure of each tire, including the spare tire (if equipped), at least monthly and inflate to the recommended pressure for your vehicle.



Example Tire Placard Location (Door)

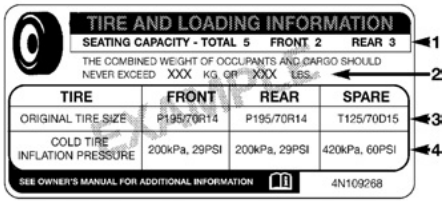


Example Tire Placard Location (B-pillar)

Tire And Loading Information Placard

This placard tells you important information about the:

1. Number of people that can be carried in the vehicle.
2. Total weight your vehicle can carry.
3. Tire size designed for your vehicle.
4. Cold tire inflation pressures for the front, rear, and spare tires.



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Tire And Loading Information Placard

Loading

The vehicle maximum load on the tire must not exceed the load carrying capacity of the tire on your vehicle. You will not exceed the tire's load carrying capacity if you adhere to the loading conditions, tire size, and cold tire inflation pressures specified on the Tire And Loading Information Placard ⇨ page 154.

NOTE:

Under a maximum loaded vehicle condition, Gross Axle Weight Rating (GAWR) for the front and rear axles must not be exceeded.

For further information on GAWR, vehicle loading, and trailer towing ⇨ page 154.

To determine the maximum loading conditions of your vehicle, locate the statement “The combined weight of occupants and cargo should never exceed XXX kg or XXX lb” on the Tire And Loading Information Placard. The combined weight of occupants, cargo/luggage and trailer tongue weight (if applicable) should never exceed the weight referenced here.

Steps For Determining Correct Load Limit—

(1) Locate the statement “The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs.” on your vehicle's placard.

(2) Determine the combined weight of the driver and passengers that will be riding in your vehicle.

(3) Subtract the combined weight of the driver and passengers from XXX kg or XXX lbs.

(4) The resulting figure equals the available amount of cargo and luggage load capacity. For example, if “XXX” amount equals 1400 lbs. and there will be five 150 lbs passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs. (1400-750 (5x150) = 650 lbs.)

(5) Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.

(6) If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Consult this manual to determine how this reduces the available cargo and luggage load capacity of your vehicle.

Metric Example For Load Limit

For example, if “XXX” amount equals 635 kg and there will be five 68 kg passengers in your vehicle, the amount of available cargo and luggage load capacity

8

is 295 kg (635-340 (5x68) = 295 kg) as shown in step 4.

NOTE:

- If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. The following table shows examples on how to calculate total load, cargo/luggage, and towing capacities of your vehicle with varying seating configurations and number and size of occupants. This table is for illustration purposes only and may not be accurate for the seating and load carry capacity of your vehicle.
- For the following example, the combined weight of occupants and cargo should never exceed 865 lbs (392 kg).

Occupants			Combined weight of occupants and cargo from Tire Placard		Combined Occupant's weight		AVAILABLE Cargo/Luggage and Trailer Tongue Weight
TOTAL	FRONT	REAR		MINUS		=	
EXAMPLE 1			↓		Occupant 1: 200 lbs Occupant 2: 130 lbs Occupant 3: 160 lbs Occupant 4: 100 lbs Occupant 5: 80 lbs TOTAL WEIGHT: 670 lbs		↓
5	2	3	865 lbs	minus	670 lbs	=	195 lbs
EXAMPLE 2							
3	2	1			Occupant 1: 210 lbs Occupant 2: 180 lbs Occupant 3: 150 lbs TOTAL WEIGHT: 540 lbs		
			865 lbs	minus	540 lbs	=	325 lbs
EXAMPLE 3							
2	2	0			Occupant 1: 200 lbs Occupant 2: 200 lbs TOTAL WEIGHT: 400 lbs		
			865 lbs	minus	400 lbs	=	465 lbs

EXAMPLE

WARNING!

Overloading of your tires is dangerous. Overloading can cause tire failure, affect vehicle handling, and increase your stopping distance. Use tires of the recommended load capacity for your vehicle. Never overload them.

TIRES — GENERAL INFORMATION

Tire Pressure

Proper tire inflation pressure is essential to the safe and satisfactory operation of your vehicle. Four primary areas are affected by improper tire pressure:

- Safety
- Fuel Economy
- Tread Wear
- Ride Comfort and Vehicle Stability

Safety

WARNING!

- Improperly inflated tires are dangerous and can cause collisions.
- Underinflation increases tire flexing and can result in overheating and tire failure.
- Overinflation reduces a tire's ability to cushion shock. Objects on the road and chuckholes can cause damage that result in tire failure.

(Continued)

WARNING!

- Overinflated or underinflated tires can affect vehicle handling and can fail suddenly, resulting in loss of vehicle control.
- Unequal tire pressures can cause steering problems. You could lose control of your vehicle.
- Unequal tire pressures from one side of the vehicle to the other can cause the vehicle to drift to the right or left.
- Always drive with each tire inflated to the recommended cold tire inflation pressure.

Both underinflation and overinflation affect the stability of the vehicle and can produce a feeling of sluggish response or over responsiveness in the steering.

NOTE:

- Unequal tire pressures from side to side may cause erratic and unpredictable steering response.
- Unequal tire pressure from side to side may cause the vehicle to drift left or right.

Fuel Economy

Underinflated tires will increase tire rolling resistance resulting in higher fuel consumption.

Tread Wear

Improper cold tire inflation pressures can cause abnormal wear patterns and reduced tread life, resulting in the need for earlier tire replacement.

Ride Comfort And Vehicle Stability

Proper tire inflation contributes to a comfortable ride. Overinflation produces a jarring and uncomfortable ride.

Tire Inflation Pressures

The proper cold tire inflation pressure is listed on the driver's side B-pillar or rear edge of the driver's side door.

At least once a month:

- Check and adjust tire pressure with a good quality pocket-type pressure gauge. Do not make a visual judgment when determining proper inflation. Tires may look properly inflated even when they are under-inflated.
- Inspect tires for signs of tire wear or visible damage.

CAUTION!

After inspecting or adjusting the tire pressure, always reinstall the valve stem cap. This will prevent moisture and dirt from entering the valve stem, which could damage the valve stem.

Inflation pressures specified on the placard are always “cold tire inflation pressure”. Cold tire inflation pressure is defined as the tire pressure after the vehicle has not been driven for at least three hours, or driven less than 1 mile (1.6 km) after sitting for a minimum of three hours. The cold tire inflation pressure must not exceed the maximum inflation pressure molded into the tire sidewall.

Check tire pressures more often if subject to a wide range of outdoor temperatures, as tire pressures vary with temperature changes.

Tire pressures change by approximately 1 psi (7 kPa) per 12°F (7°C) of air temperature change. Keep this in mind when checking tire pressure inside a garage, especially in the Winter.

Example: If garage temperature = 68°F (20°C) and the outside temperature = 32°F (0°C) then the cold tire inflation pressure should be increased by 3 psi (21 kPa), which equals 1 psi (7 kPa) for every 12°F (7°C) for this outside temperature condition.

Tire pressure may increase from 2 to 6 psi (13 to 40 kPa) during operation. DO NOT reduce this normal pressure build up or your tire pressure will be too low.

Tire Pressures For High Speed Operation

The manufacturer advocates driving at safe speeds and within posted speed limits. Where speed limits or conditions are such that the vehicle can be driven at high speeds, maintaining correct tire inflation pressure is very important. Increased tire pressure and reduced vehicle loading may be required for high-speed vehicle operation. Refer to an authorized tire dealer or original equipment vehicle dealer for recommended safe operating speeds, loading and cold tire inflation pressures.

WARNING!

High speed driving with your vehicle under maximum load is dangerous. The added strain on your tires could cause them to fail. You could have a serious

(Continued)

WARNING!

collision. Do not drive a vehicle loaded to the maximum capacity at continuous speeds above 75 mph (120 km/h).

Radial Ply Tires

WARNING!

Combining radial ply tires with other types of tires on your vehicle will cause your vehicle to handle poorly. The instability could cause a collision. Always use radial ply tires in sets of four. Never combine them with other types of tires.

Tire Repair

If your tire becomes damaged, it may be repaired if it meets the following criteria:

- The tire has not been driven on when flat.
- The damage is only on the tread section of your tire (sidewall damage is not repairable).
- The puncture is no greater than a quarter of an inch (6 mm).

Consult an authorized tire dealer for tire repairs and additional information.

Damaged Run Flat tires, or Run Flat tires that have experienced a loss of pressure should be replaced immediately with another Run Flat tire of identical size and service description (Load Index and Speed Symbol). Replace the tire pressure sensor as well as it is not designed to be reused.

Run Flat Tires — If Equipped

Run Flat tires allow you the capability to drive 50 miles (80 km) at 50 mph (80 km/h) after a rapid loss of inflation pressure. This rapid loss of inflation is referred to as the Run Flat mode. A Run Flat mode occurs when the tire inflation pressure is of/or below 14 psi (96 kPa). Once a Run Flat tire reaches the run flat mode it has limited driving capabilities and needs to be replaced immediately. A Run Flat tire is not repairable. When a Run Flat tire is changed after being driven in a Run Flat mode 14 psi (96 kPa) condition, please replace the TPMS sensor as it is not designed to be reused.

NOTE:

TPMS sensor must be replaced after driving the vehicle on a flat tire condition.

It is not recommended driving a vehicle loaded at full capacity or to tow a trailer while a tire is in the Run Flat mode.

For more information ⇨ page 226.

Tire Spinning

When stuck in mud, sand, snow, or ice conditions, do not spin your vehicle's wheels above 30 mph (48 km/h) or for longer than 30 seconds continuously without stopping.

For further information ⇨ page 242.

WARNING!

Fast spinning tires can be dangerous. Forces generated by excessive wheel speeds may cause tire damage or failure. A tire could explode and injure someone. Do not spin your vehicle's wheels faster than 30 mph (48 km/h) for more than 30 seconds continuously when you are stuck, and do not let anyone near a spinning wheel, no matter what the speed.

Tread Wear Indicators

Tread wear indicators are in the original equipment tires to help you in determining when your tires should be replaced.



Tire Tread

1 — Tread Wear Indicators

These indicators are molded into the bottom of the tread grooves. They will appear as bands when the tread depth becomes 1/16 of an inch (1.6 mm). When the tread is worn to the tread wear indicators, the tire should be replaced.

For further information ⇨ page 299.

Life Of Tire

The service life of a tire is dependent upon varying factors including, but not limited to:

- Driving style
- Tire pressure - Improper cold tire inflation pressures can cause uneven wear patterns to develop across the tire tread. These abnormal wear patterns will reduce tread life, resulting in the need for earlier tire replacement.
- Distance driven
- Performance tires, tires with a speed rating of V or higher, and Summer tires typically have a reduced tread life. Rotation of these tires per the vehicle scheduled maintenance is highly recommended.

WARNING!

Tires and the spare tire should be replaced after six years, regardless of the remaining tread. Failure to follow this warning can result in sudden tire failure. You could lose control and have a collision resulting in serious injury or death.

NOTE:

Wheel valve stem must be replaced as well when installing new tires due to wear and tear in existing tires.

Keep dismounted tires in a cool, dry place with as little exposure to light as possible. Protect tires from contact with oil, grease, and gasoline.

Replacement Tires

The tires on your new vehicle provide a balance of many characteristics. They should be inspected regularly for wear and correct cold tire inflation pressures. The manufacturer strongly recommends using tires equivalent to the originals in size, quality and performance when replacement is needed. For more information ⇨ page 299. Refer to the Tire And Loading Information Placard or the Vehicle Certification Label for the size designation of your tire. The Load Index and Speed Symbol for your tire will be found on the original equipment tire sidewall.

For more information relating to the Load Index and Speed Symbol of a tire ⇨ page 291.

It is recommended to replace the two front tires or two rear tires as a pair. Replacing just one tire can seriously affect your vehicle's handling. If you ever replace a wheel, make sure that the wheel's specifications match those of the original wheels.

It is recommended you contact an authorized tire dealer or original equipment dealer with any questions you may have on tire specifications or capability. Failure to use equivalent replacement tires may adversely affect the safety, handling, and ride of your vehicle.

WARNING!

- Do not use a tire, wheel size, load rating, or speed rating other than that specified for your vehicle. Some combinations of unapproved tires and wheels may change suspension dimensions and performance characteristics, resulting in changes to steering, handling, and braking of your vehicle. This can cause unpredictable handling and stress to steering and suspension components. You could lose control and have a collision resulting in serious injury or death. Use only the tire and wheel sizes with load ratings approved for your vehicle.
- Never use a tire with a smaller load index or capacity, other than what was originally equipped on your vehicle. Using a tire with a smaller load index could result in tire overloading and failure. You could lose control and have a collision.
- Failure to equip your vehicle with tires having adequate speed capability can result in sudden tire failure and loss of vehicle control.

CAUTION!

Replacing original tires with tires of a different size may result in false speedometer and odometer readings.

Tire Types

All Season Tires — If Equipped

All Season tires provide traction for all seasons (Spring, Summer, Autumn, and Winter). Traction levels may vary between different all season tires. All Season tires can be identified by the M+S, M&S, M/S or MS designation on the tire sidewall. Use All Season tires only in sets of four; failure to do so may adversely affect the safety and handling of your vehicle.

Summer Or Three Season Tires — If Equipped

Summer tires provide traction in both wet and dry conditions, and are not intended to be driven in snow or on ice. If your vehicle is equipped with Summer tires, be aware these tires are not designed for Winter or cold driving conditions. Install Winter tires on your vehicle when ambient temperatures are less than 40°F (5°C) or if roads are covered with ice or snow. For more information, contact an authorized dealer.

Summer tires do not contain the all season designation or mountain/snowflake symbol on the tire sidewall. Use Summer tires only in sets of four; failure to do so may adversely affect the safety and handling of your vehicle.

WARNING!

Do not use Summer tires in snow/ice conditions. You could lose vehicle control, resulting in severe injury or death. Driving too fast for conditions also creates the possibility of loss of vehicle control.

Snow Tires



Some areas of the country require the use of snow tires during the Winter. Snow tires can be identified by a mountain/snowflake symbol on the tire sidewall.

If you need snow tires, select tires equivalent in size and type to the original equipment tires. Use snow tires only in sets of four; failure to do so may adversely affect the safety and handling of your vehicle.

Snow tires generally have lower speed ratings than what was originally equipped with your vehicle and should not be operated at sustained speeds over 75 mph (120 km/h). For speeds above 75 mph (120 km/h) refer to original equipment or an authorized tire dealer for recommended safe operating speeds, loading and cold tire inflation pressures.

While studded tires improve performance on ice, skid and traction capability on wet or dry surfaces may be poorer than that of non-studded tires. Some states prohibit studded tires; therefore, local laws should be checked before using these tire types.

Spare Tires — If Equipped

NOTE:

For vehicles equipped with Tire Service Kit instead of a spare tire, please refer to “Tire Service Kit” in “In Case Of Emergency” for further information.

CAUTION!

Because of the reduced ground clearance, do not take your vehicle through an automatic car wash with a compact or limited use temporary spare installed. Damage to the vehicle may result.

For restrictions when towing with a spare tire designated for temporary emergency use ⇨ page 161.

Spare Tire Matching Original Equipped Tire And Wheel — If Equipped

Your vehicle may be equipped with a spare tire and wheel equivalent in look and function to the original equipment tire and wheel found on the front or rear axle of your vehicle. This spare tire may be used in the tire rotation for your vehicle. If your vehicle has this option, refer to an authorized tire dealer for the recommended tire rotation pattern.

Compact Spare Tire — If Equipped

The compact spare is for temporary emergency use only. You can identify if your vehicle is equipped with a compact spare by looking at the spare tire description on the Tire And Loading Information Placard located on the driver's side door opening or on the sidewall of the tire. Compact spare tire descriptions begin with the letter "T" or "S" preceding the size designation. Example: T145/80D18 103M.

T, S = Temporary Spare Tire

Since this tire has limited tread life, the original equipment tire should be repaired (or replaced) and reinstalled on your vehicle at the first opportunity.

Do not install a wheel cover or attempt to mount a conventional tire on the compact spare wheel, since the wheel is designed specifically for the compact spare tire. Do not install more than one compact spare tire and wheel on the vehicle at any given time.

WARNING!

Compact and collapsible spares are for temporary emergency use only. With these spares, do not drive more than 50 mph (80 km/h). Temporary use spares have limited tread life. When the tread is worn to the tread wear indicators, the temporary use spare tire needs to be replaced. Be sure to follow the warnings, which apply to your spare. Failure to do so could result in spare tire failure and loss of vehicle control.

Collapsible Spare Tire — If Equipped

The collapsible spare is for temporary emergency use only. You can identify if your vehicle is equipped with a collapsible spare by looking at the spare tire description on the Tire And Loading Information Placard located on the driver's side door opening or on the sidewall of the tire.

Collapsible spare tire description example: 165/80-17 101P.

Since this tire has limited tread life, the original equipment tire should be repaired (or replaced) and reinstalled on your vehicle at the first opportunity.

Inflate collapsible tire only after the wheel is properly installed to the vehicle. Inflate the collapsible tire using the electric air pump before lowering the vehicle.

Do not install a wheel cover or attempt to mount a conventional tire on the collapsible spare wheel, since the wheel is designed specifically for the collapsible spare tire.

WARNING!

Compact and Collapsible spares are for temporary emergency use only. With these spares, do not drive more than 50 mph (80 km/h). Temporary use spares have limited tread life. When the tread is worn to the tread wear indicators, the temporary use spare tire needs to be replaced. Be sure to follow the warnings, which apply to your spare. Failure to do so could result in spare tire failure and loss of vehicle control.

Full-Size Spare — If Equipped

The Full-Size spare is for temporary emergency use only. This tire may look like the originally equipped tire on the front or rear axle of your vehicle, but it is not. This spare tire may have limited tread life. When the tread is worn to the tread wear indicators, the temporary use Full-Size spare tire needs to be replaced. Since it is not the same as your original equipment tire, replace (or repair) the original equipment tire and reinstall on the vehicle at the first opportunity.

Limited Use Spare — If Equipped

The limited use spare tire is for temporary emergency use only. This tire is identified by a label located on the limited use spare wheel. This label contains the driving limitations for this spare. This tire may look like the original equipped tire on the front or rear axle of your vehicle, but it is not. Installation of this limited use spare tire affects vehicle handling. Since it is not the same as your original equipment tire, replace (or repair) the original equipment tire and reinstall on the vehicle at the first opportunity.

WARNING!

Limited use spares are for emergency use only. Installation of this limited use spare tire affects vehicle handling. With this tire, do not drive more than the speed listed on the limited use spare wheel. Keep inflated to the cold tire inflation pressures listed on your Tire And Loading Information Placard located on the driver's side B-pillar or the rear edge of the driver's side door. Replace (or repair) the original equipment tire at the first opportunity and reinstall it on your vehicle. Failure to do so could result in loss of vehicle control.

Wheel And Wheel Trim Care

All wheels and wheel trim, especially aluminum and chrome plated wheels, should be cleaned regularly using mild (neutral Ph) soap and water to maintain their luster and to prevent corrosion. Wash wheels with the same soap solution recommended for the body of the vehicle and remember to always wash when the surfaces are not hot to the touch.

Your wheels are susceptible to deterioration caused by salt, sodium chloride, magnesium chloride, calcium chloride, etc., and other road chemicals used to melt ice or control dust on dirt roads. Use a soft cloth or sponge and mild soap to wipe away promptly. Do not use harsh chemicals or a stiff brush. They can damage the wheel's protective coating that helps keep them from corroding and tarnishing.

CAUTION!

Avoid products or automatic car washes that use acidic solutions or strong alkaline additives or harsh brushes. Many aftermarket wheel cleaners and automatic car washes may damage the wheel's protective finish. Such damage is not covered by the New Vehicle Limited Warranty. Only car wash soap, Mopar® Wheel Cleaner or equivalent is recommended.

When cleaning extremely dirty wheels including excessive brake dust, care must be taken in the selection of tire and wheel cleaning chemicals and equipment to prevent damage to the wheels. Mopar® Wheel Treatment or Mopar® Chrome Cleaner or their equivalent is recommended or select a non-abrasive, non-acidic cleaner for aluminum or chrome wheels.

CAUTION!

Do not use scouring pads, steel wool, a bristle brush, metal polishes or oven cleaner. These products may damage the wheel's protective finish. Such damage is not covered by the New Vehicle Limited Warranty. Only car wash soap, Mopar® Wheel Cleaner or equivalent is recommended.

NOTE:

If you intend parking or storing your vehicle for an extended period after cleaning the wheels with wheel cleaner, drive your vehicle and apply the brakes to remove the water droplets from the brake components. This activity will remove the red rust on the brake rotors and prevent vehicle vibration when braking.

Dark Vapor Chrome, Black Satin Chrome, or Low Gloss Clear Coat Wheels

CAUTION!

If your vehicle is equipped with these specialty wheels, DO NOT USE wheel cleaners, abrasives, or polishing compounds. They will permanently damage this finish and such damage is not covered by the New Vehicle Limited Warranty. HAND WASH ONLY USING MILD SOAP AND WATER WITH A SOFT CLOTH. Used on a regular basis; this is all that is required to maintain this finish.

Snow Traction Devices

Use of traction devices require sufficient tire-to-body clearance. Due to limited clearance, the following snow traction devices are recommended. Follow these recommendations to guard against damage:

- Snow traction device must be of proper size for the tire, as recommended by the snow traction device manufacturer.
- No other tire sizes are recommended for use with the snow traction device.
- Please see the following table for recommended tire size, axle and snow traction device:

Trim Level	Axle	Tire/Wheel Size	Snow Traction Device (Maximum Projection Beyond Tire Profile Or Equivalent)
Grand Wagoneer 4x2 & 4x4	Rear	275/55R20	S Class

WARNING!

Using tires of different size and type (M+S, Snow) between front and rear axles can cause unpredictable handling. You could lose control and have a collision.

CAUTION!

To avoid damage to your vehicle or tires, observe the following precautions:

- Because of restricted traction device clearance between tires and other suspension components, it is important that only traction devices in good condition are used. Broken devices can cause serious damage. Stop the vehicle immediately if noise occurs that could indicate device breakage. Remove the damaged parts of the device before further use.
- Install device as tightly as possible and then retighten after driving about ½ mile (0.8 km).
- Do not exceed 30 mph (48 km/h).
- Drive cautiously and avoid severe turns and large bumps, especially with a loaded vehicle.
- Do not drive for a prolonged period on dry pavement.

(Continued)

CAUTION!

- Observe the traction device manufacturer's instructions on the method of installation, operating speed, and conditions for use. Always use the suggested operating speed of the device manufacturer's if it is less than 30 mph (48 km/h).
- Do not use traction devices on a compact spare tire.

Tire Rotation Recommendations

The tires on the front and rear of your vehicle operate at different loads and perform different steering, handling, and braking functions. For these reasons, they wear at unequal rates.

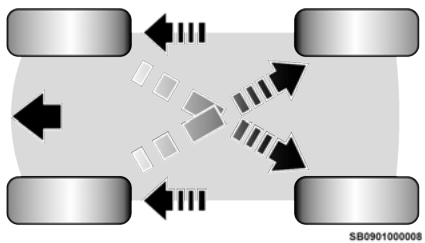
These effects can be reduced by timely rotation of tires. The benefits of rotation are especially worthwhile with aggressive tread designs such as those on On/Off-Road type tires. Rotation will increase tread life, help to maintain mud, snow, and wet traction levels, and contribute to a smooth, quiet ride.

For the proper maintenance intervals ⇨ page 248. More frequent rotation is permissible if desired. The reasons for any rapid or unusual wear should be corrected prior to rotation being performed.

NOTE:

The premium Tire Pressure Monitoring System will automatically locate the pressure values displayed in the correct vehicle position following a tire rotation.

The suggested rotation method is the "rearward cross" shown in the following diagram.



Tire Rotation (Rearward Cross)

DEPARTMENT OF TRANSPORTATION

Description

The following tire grading categories were established by the National

Highway Traffic Safety Administration. The specific grade rating assigned by the tire's manufacturer in each category is shown on the sidewall of the tires on your vehicle.

All passenger vehicle tires must conform to Federal safety requirements in addition to these grades.

Treadwear

The Treadwear grade is a comparative rating, based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one and one-half times as well on the government course as a tire graded 100. The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices, and differences in road characteristics and climate.

Traction Grades

The Traction grades, from highest to lowest, are AA, A, B, and C. These grades represent the tire's ability to stop on wet pavement, as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance.

WARNING!

The traction grade assigned to this tire is based on straight-ahead braking traction tests, and does not include acceleration, cornering, hydroplaning, or peak traction characteristics.

Temperature Grades

The Temperature grades are A (the highest), B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat, when tested under controlled conditions on a specified indoor laboratory test wheel.

Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure. The grade C corresponds to a level of performance, which all passenger vehicle tires must meet under the Federal Motor Vehicle Safety Standard No. 109. Grades B and A represent higher levels of performance on the laboratory test wheel, than the minimum required by law.

The Temperature grades are A (the highest), B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat, when tested under controlled conditions on a specified indoor laboratory test wheel.

Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive

temperature can lead to sudden tire failure. The grade C corresponds to a level of performance, which all passenger vehicle tires must meet under the Federal Motor Vehicle Safety Standard No. 109. Grades B and A represent higher levels of performance on the laboratory test wheel, than the minimum required by law.

WARNING!
The temperature grade for this tire is established for a tire that is properly inflated and not overloaded. Excessive speed, under-inflation, or excessive loading, either separately or in combination, can cause heat buildup and possible tire failure.

VEHICLE STORAGE

Description

If you are storing your vehicle for more than three weeks, we recommend that you take the following steps to minimize the drain on your vehicle's battery:

- Disconnect the negative cable from battery.
- Before you store your vehicle or keep it out of service (i.e., vacation) for two weeks or more, run the air conditioning system at idle for about five minutes in the fresh air and high blower setting. This will ensure adequate system lubrication to minimize the possibility of compressor damage when the system is started again.

BODYWORK AND EXTERIOR CARE

Protection From Atmospheric Agents

Vehicle body care requirements vary according to geographic locations and usage. Chemicals that make roads passable in snow and ice and those that are sprayed on trees and road surfaces during other seasons are highly corrosive to the metal in your vehicle. Outside parking, which exposes your vehicle to airborne contaminants, road surfaces on which the vehicle is operated, extreme hot or cold weather and other extreme conditions will have an adverse effect on paint, metal trim, and underbody protection.

The following maintenance recommendations will enable you to obtain maximum benefit from the corrosion resistance built into your vehicle.

What Causes Corrosion?

Corrosion is the result of deterioration or removal of paint and protective coatings from your vehicle.

The most common causes are:

- Road salt, dirt and moisture accumulation.
- Stone and gravel impact.
- Insects, tree sap and tar.
- Salt in the air near seacoast localities.
- Atmospheric fallout/industrial pollutants.

Body And Underbody Maintenance

Cleaning Headlights

Your vehicle is equipped with plastic headlights that are lighter and less susceptible to stone breakage than glass headlights.

Plastic is not as scratch resistant as glass and therefore different lens cleaning procedures must be followed.

To minimize the possibility of scratching the lenses and reducing light output, avoid wiping with a dry cloth. To remove road dirt, wash with a mild soap solution followed by rinsing.

Do not use abrasive cleaning components, solvents, steel wool or other aggressive material to clean the lenses.

Exterior Lamp Lens Fogging and Condensation

Under certain environmental conditions, visible fog, mist, or fine condensation may appear on a portion of the inside lens of your vehicle's exterior lamps. Most exterior lamps have been designed with a vent system that allows air to be exchanged between the inside and outside of the lamp while preventing liquid water from entering the lamp. The visible fog, mist, or fine condensation on the inside of your exterior lamps will usually clear as the environmental conditions change to allow this visible condensation to change back into a vapor and pass through the vent system. This is considered normal exterior lamp lens condensation.

Puddles of water inside any exterior lamp, or heavy droplets of water that are always present on the inside lens of any exterior lamp, is not considered normal and your vehicle should be serviced at an authorized dealer.

Preserving The Bodywork

Washing

- Wash your vehicle regularly. Always wash your vehicle in the shade using Mopar® Car Wash, or a mild car wash soap, and rinse the panels completely with water.
- If insects, tar, or other similar deposits have accumulated on your vehicle, use Mopar® Super Kleen Bug and Tar Remover to remove.
- Use a high quality cleaner wax, such as Mopar® Cleaner Wax to remove road film, stains and to protect your paint finish. Use precautions to not scratch the paint.
- Avoid using abrasive compounds and power buffing that may diminish the gloss or thin out the paint finish.

CAUTION!

- Do not use abrasive or strong cleaning materials such as steel wool or scouring powder that will scratch metal and painted surfaces.
- Use of power washers exceeding 1,200 psi (8,274 kPa) can result in damage or removal of paint and decals.

Special Care

- If you drive on salted or dusty roads or if you drive near the ocean, hose off the undercarriage at least once a month.
- It is important that the drain holes in the lower edges of the doors, rocker panels, and trunk be kept clear and open.
- If you detect any stone chips or scratches in the paint, touch them up immediately.
- If your vehicle is damaged due to a collision or similar cause that destroys the paint and protective coating, have your vehicle repaired as soon as possible.
- If you carry special cargo such as chemicals, fertilizers, de-icer salt, etc., be sure that such materials are well packaged and sealed.
- If a lot of driving is done on gravel roads, consider mud or stone shields behind each wheel.
- Use Mopar® Touch Up Paint on scratches as soon as possible. An authorized dealer has touch up paint to match the color of your vehicle.

INTERIOR CARE

Seats And Fabric Parts

Use Mopar® Total Clean to clean fabric upholstery and carpeting.

WARNING!

Do not use volatile solvents for cleaning purposes. Many are potentially flammable, and if used in closed areas they may cause respiratory harm.

Seat Belt Maintenance

Do not bleach, dye or clean the belts with chemical solvents or abrasive cleaners. This will weaken the fabric. Sun damage can also weaken the fabric.

If the belts need cleaning, use a mild soap solution or lukewarm water. Do not remove the belts from the vehicle to wash them. Dry with a soft cloth.

Replace the belts if they appear frayed or worn or if the buckles do not work properly.

WARNING!

A frayed or torn seat belt could rip apart in a collision and leave you with no protection. Inspect the seat belt system periodically, checking for cuts, frays, or loose parts. Damaged parts must be replaced immediately. Do not disassemble or modify the seat belt system. If your vehicle is involved in a collision, or if you have questions regarding seat belt or retractor conditions, take your vehicle to an authorized FCA dealer or authorized FCA Certified Collision Care Program facility for inspection.

Plastic And Coated Parts

Use Mopar® Total Clean to clean vinyl upholstery.

CAUTION!

- Direct contact of air fresheners, insect repellents, suntan lotions, or hand sanitizers to the plastic, painted, or decorated surfaces of the interior may cause permanent damage. Wipe away immediately.
- Damage caused by these type of products may not be covered by your New Vehicle Limited Warranty.

Cleaning Plastic Instrument Cluster Lenses

The lenses in front of the instruments in this vehicle are molded in clear plastic. When cleaning the lenses, care must be taken to avoid scratching the plastic.

Clean with a wet soft cloth. A mild soap solution may be used, but do not use high alcohol content or abrasive cleaners. If soap is used, wipe clean with a clean damp cloth. Dry with a soft cloth.

Leather Surfaces

Mopar® Total Clean is specifically recommended for leather upholstery.

The leather upholstery can be best preserved by regular cleaning with a damp soft cloth. Small particles of dirt can act as an abrasive and damage the leather upholstery and should be removed promptly with a damp cloth. Stubborn soils can be removed easily with a soft cloth and Mopar® Total Clean. Care should be taken to avoid soaking your leather upholstery with any liquid. Please do not use polishes, oils, cleaning fluids, solvents, detergents, or ammonia-based cleaners to clean your leather upholstery.

NOTE:

If equipped with light colored leather, it tends to show any foreign material, dirt, and fabric dye transfer more so than darker colors. The leather is designed for easy cleaning, and the manufacturer recommends Mopar® total care leather cleaner applied on a cloth to clean the leather seats as needed.

CAUTION!

Do not use alcohol and alcohol-based and/or ketone-based cleaning products to clean leather upholstery, as damage to the upholstery may result.

Glass Surfaces

All glass surfaces should be cleaned on a regular basis with Mopar® Glass Cleaner, or any commercial household-type glass cleaner. Never use an abrasive type cleaner. Use caution when cleaning the inside rear window equipped with electric defrosters or windows equipped with radio antennas. Do not use scrapers or other sharp instruments that may scratch the elements.

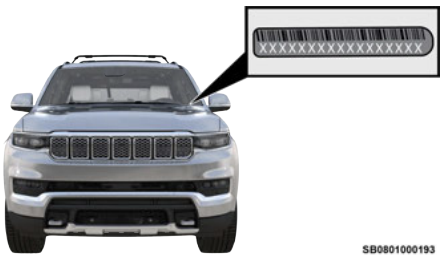
When cleaning the rearview mirror, spray cleaner on the towel or cloth that you are using. Do not spray cleaner directly on the mirror.

TECHNICAL SPECIFICATIONS

VEHICLE IDENTIFICATION NUMBER (VIN)

Description

The VIN is found on a label located on the left front corner of the instrument panel pad, visible from outside of the vehicle through the windshield.



Windshield VIN Label Location

NOTE:
It is illegal to remove or alter the VIN.

FUEL REQUIREMENTS

Description

While operating on gasoline with the required octane number, hearing a light knocking sound from the engine is not a cause for concern. However, if the engine is heard making a heavy knocking sound, see a dealer immediately. Use of gasoline with an octane number lower than recommended can cause engine failure and may void the New Vehicle Limited Warranty.

Poor quality gasoline can cause problems such as hard starting, stalling, and hesitations. If you experience these symptoms, try another brand of gasoline before considering service for the vehicle.

3.0L Standard Output Engine

Do not use E-85 flex fuel or ethanol blends greater than 15% in this engine.

87

This engine is designed to meet all emissions requirements and provide satisfactory fuel economy and performance when using high-quality unleaded regular gasoline having an octane rating of 87, as specified by the (R+M)/2 method. The use of 91 or higher octane premium gasoline will allow these engines to operate to optimal performance. This increase in performance is most noticeable in hot weather or under heavy load conditions such as while towing.

Reformulated Gasoline

Many areas of the country require the use of cleaner-burning gasoline referred to as “reformulated gasoline”. Reformulated gasoline contains oxygenates and are specifically blended to reduce vehicle emissions and improve air quality.

The use of reformulated gasoline is recommended. Properly blended reformulated gasoline will provide improved performance and durability of engine and fuel system components.

Materials Added To Fuel

Besides using unleaded gasoline with the proper octane rating, gasolines that contain detergents, corrosion and stability additives are recommended. Using gasolines that have these additives will help improve fuel economy, reduce emissions, and maintain vehicle performance.

TOP TIER Detergent Gasoline

Designated TOP TIER Detergent Gasoline contains a higher level of detergents to further aide in minimizing engine and fuel system deposits. When available, the usage of TOP TIER Detergent Gasoline is recommended. Visit www.toptiergas.com for a list of TOP TIER Detergent Gasoline retailers.

Indiscriminate use of fuel system cleaning agents should be avoided. Many of these materials intended for gum and varnish removal may contain active solvents or similar ingredients. These can harm fuel system gasket and diaphragm materials.

Gasoline/Oxygenate Blends

Some fuel suppliers blend unleaded gasoline with oxygenates such as ethanol.

CAUTION!

DO NOT use E-85, gasoline containing methanol, or gasoline containing more than 15% ethanol (E-15). Use of these blends may result in starting and drivability problems, damage critical fuel system components, cause emissions to exceed the applicable standard, and/or cause the Malfunction Indicator Light to illuminate. Please observe pump labels as they should clearly communicate if a fuel contains greater than 15% ethanol (E-15).

Problems that result from using gasoline containing more than 15% ethanol (E-15) or gasoline containing methanol are not the responsibility of the manufacturer and may void or not be covered under New Vehicle Limited Warranty.

Do Not Use E-85 In Non-Flex Fuel Vehicles

Non-Flex Fuel Vehicles (FFV) are compatible with gasoline containing up to 15% ethanol (E-15). Use of gasoline with higher ethanol content may void the New Vehicle Limited Warranty.

If a Non-FFV vehicle is inadvertently fueled with E-85 fuel, the engine will have some or all of these symptoms:

- Operate in a lean mode.
- OBD II Malfunction Indicator Light on.
- Poor engine performance.
- Poor cold start and cold drivability.
- Increased risk for fuel system component corrosion.

CNG And LP Fuel System Modifications

Modifications that allow the engine to run on Compressed Natural Gas (CNG) or Liquid Propane (LP) may result in damage to the engine, emissions, and fuel system components. Problems that result from running CNG or LP are not the responsibility of the manufacturer and may void or not be covered under the New Vehicle Limited Warranty.

Methylcyclopentadienyl Manganese Tricarbonyl (MMT) In Gasoline

MMT is a manganese-containing metallic additive that is blended into some gasolines to increase octane. Gasoline blended with MMT provides no performance advantage beyond gasoline of the same octane number without MMT. Gasoline blended with MMT reduces spark plug life and reduces emissions system performance in some vehicles. The manufacturer recommends that gasoline without MMT be used in your vehicle. The MMT content of gasoline may not be indicated on the gasoline pump; therefore, you should ask the gasoline retailer whether the gasoline contains MMT. MMT is prohibited in Federal and California reformulated gasoline.

Fuel System Cautions

CAUTION!

Follow these guidelines to maintain your vehicle's performance:

- The use of leaded gasoline is prohibited by Federal law. Using leaded gasoline can impair engine performance and damage the emissions control system.
- An out-of-tune engine or certain fuel or ignition malfunctions can cause the catalytic converter to overheat. If you notice a pungent burning odor or some light smoke, your engine may be out of tune or malfunctioning and may require immediate service. Contact an authorized dealer for service assistance.
- The use of fuel additives, which are now being sold as octane enhancers, is not recommended. Most of these products contain high concentrations of methanol. Fuel system damage or vehicle performance problems resulting from the use of such fuels or additives is not the responsibility of the manufacturer and may void or not be covered under the New Vehicle Limited Warranty.

NOTE:

Intentional tampering with the emissions control system can result in civil penalties being assessed against you.

FLUIDS AND LUBRICANTS

Engine Specifications

Component	Fluid, Lubricant, or Genuine Part
Coolant — Engine/Intercooler	We recommend using Mopar® Antifreeze/Coolant 10 Year/150,000 Mile (240,000 km) Formula OAT (Organic Additive Technology) meeting the requirements of the manufacturer Material Standard MS.90032.
Engine Oil — 3.0L Standard Output	We recommend using Mopar® SAE 0W-20 Full Synthetic Engine Oil, which meets the requirements of the manufacturer Material Standard MS-6395. Equivalent full synthetic SAE 0W-20 engine oil can be used but must have the API Starburst trademark with a certification level of API-SP or later. API-SN+ is also acceptable.
	CAUTION!
	Usage of earlier API certification levels (such as API-SN or prior) can result in engine damage and is not covered by the New Vehicle Limited Warranty.
Fuel Selection — 3.0L Standard Output	Do not use E-85 flex fuel or ethanol blends greater than 15% in this engine. This engine is designed to meet all emissions requirements and provide satisfactory fuel economy and performance when using high-quality unleaded regular gasoline having an octane rating of 87, as specified by the (R+M)/2 method. The use of 91 or higher octane premium gasoline will allow these engines to operate to optimal performance. This increase in performance is most noticeable in hot weather or under heavy load conditions such as while towing.

Chassis Specifications

Component	Fluid, Lubricant, or Genuine Part
Automatic Transmission	Use only Mopar® Automatic Transmission Fluid (ATF) 818, or equivalent. Failure to use the proper fluid may affect the function or performance of your transmission.
Transfer Case	We recommend using Mopar® Mobile LT.
Axle Differential (Front)	We recommend using Mopar® GL-5 Synthetic Axle Lubricant SAE 75W-85.
Axle Differential (Rear) — With Electronic Limited Slip Differential (ELSD)	We recommend using Mopar® GL-5 Electronic Limited Slip Synthetic Axle Lubricant SAE 75W-85 with integrated friction modifier.
Axle Differential (Rear) — With Mechanical Limited Slip Differential	We recommend using Mopar® GL-5 Mechanical Limited Slip Synthetic Axle Lubricant SAE 75W-85 with integrated friction modifier.
Brake Master Cylinder	We recommend using Mopar® DOT 3 Brake Fluid, SAE J1703.

FLUID CAPACITIES

Specifications

Component	US	Metric
Fuel (Approximate)		
Short Wheel Base	26.5 gal	100 L
Long Wheel Base	30.5 gal	115 L

Component	US	Metric
Engine Oil With Filter		
3.0L Standard Output Engine	7.5 qt	7.1 L
Cooling System (Includes heater and coolant recovery bottle filled to MAX level.)		
3.0L Standard Output Engine	16.6 qt	15.7 L
3.0L Standard Output Intercooler	3.2 qt	3.0 L

WHEEL AND TIRES

Description

Proper lug nut/bolt torque is very important to ensure that the wheel is properly mounted to the vehicle. Any time a wheel has been removed and reinstalled on the vehicle, the lug nuts/bolts should be torqued using a properly calibrated torque wrench using a six-sided (hex) deep wall socket.

Specifications

Lug Nut/Bolt Torque	**Lug Nut/Bolt Size	Lug Nut/Bolt Socket Size
130 ft-lb (176 N-m)	M14 x 1.50	22 mm

**Use only authorized dealer recommended lug nuts/bolts and clean or remove any dirt or oil before tightening.

Inspect the wheel mounting surface prior to mounting the tire and remove any corrosion or loose particles.

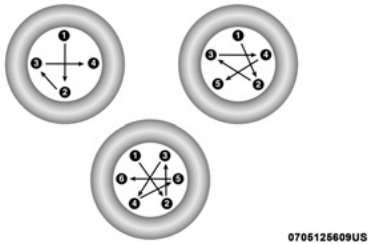


Wheel Mounting Surface

Tighten the lug nuts/bolts in a star pattern until each nut/bolt has been tightened twice. Ensure that the socket is fully engaged on the lug nut/bolt (do not insert it half way).

NOTE:
If in doubt about the correct tightness, have them checked with a torque wrench by an authorized dealer or service station.

After 25 miles (40 km), check the lug nut/bolt torque to be sure that all the lug nuts/bolts are properly tightened.



Torque Patterns

WARNING!
To avoid the risk of forcing the vehicle off the jack, do not tighten the lug nuts/bolts fully until the vehicle has been lowered. Failure to follow this warning may result in personal injury.

CUSTOMER ASSISTANCE

CUSTOMER ASSISTANCE

FCA US LLC and its authorized dealers are interested in your satisfaction. We want you to be happy with our products and services.

Warranty service must be done by an authorized dealer. We strongly recommend that you take the vehicle to an authorized dealer for non-warranty service as well. FCA US LLC's authorized dealers have the facilities, factory-trained technicians, special tools, and the latest information to ensure the vehicle is fixed correctly and in a timely manner.

If your authorized dealer is unable to resolve the concern, you may contact an FCA US LLC Customer Assistance center.

Any communication to an FCA US LLC Customer Assistance center should include the following information:

- Owner's name and address
- Owner's telephone number (home, mobile, and office)
- Authorized dealer name
- Vehicle Identification Number (VIN)
- Vehicle delivery date and mileage

Roadside Assistance Contact Information

Call 1-833-667-4825 or visit chrysler.rsahelp.com (USA)

Call 1-800-363-4869 or visit fca.roadsideaid.com (Canada)

Available: 24 Hours, 7 Days A Week

Your vehicle's VIN number is required to receive the following covered services.

- **Flat Tire Service**
- **Out Of Gas/Fuel Delivery**
- **Battery Jump Assistance**
- **Lockout Service**
- **Towing Service**

Roadside Assistance Services

Flat Tire Service

If you are inconvenienced by a flat tire, we will dispatch a service provider to use your vehicle's temporary spare tire (if equipped) as recommended in your Owner's Manual (this is not a permanent flat tire repair). If your vehicle is not equipped with a spare tire, we will tow your vehicle to the closest authorized Chrysler, Dodge, Jeep®, or Ram dealer.

Out of Gas/Fuel Delivery

Drivers cannot always count on a gas station being nearby, especially when traveling away from home. We will dispatch a service provider to deliver a small amount of fuel to get you to a nearby station. This service is limited to two occurrences in a 12-month period. Up to two gallons of fuel will be provided by a service provider.

12V Battery Jump Assistance

No time is a good time for a depleted 12V battery. With Roadside Assistance, you do not have to worry about being stranded. We will dispatch a service provider to provide you with a battery jump anytime, day or night.

Lockout Service

Whether the keys are locked in your vehicle or frozen locks are keeping you from getting on your way, help is just a phone call away. This service is limited to providing access to the vehicle's seating area. It does not cover the cost of replacement keys.

Towing Service

Our towing service gives you peace of mind and confidence. If your vehicle becomes disabled as a result of a mechanical breakdown, we will dispatch a towing service to transport your vehicle to the closest authorized Chrysler, Dodge, Jeep®, or Ram dealer. If you choose to go to another dealer, you will be responsible for the cost of the extra distance.

Who is Covered

You are covered by Roadside Assistance services if you are a purchaser for use of the vehicle. Roadside Assistance services last for five years or 60,000 miles, whichever occurs first. It is calculated from the start date of the Basic Limited Warranty, as set forth in your Warranty Information book.[2]

What to Do

If your vehicle requires 12v battery jump start assistance, out of gas/fuel delivery, tire service, lockout service, or towing as a result of a mechanical breakdown or flat tire, dial toll-free: USA: 1-800-521-2779/Canada: 1-800-363-4869. Provide your name, Vehicle Identification Number (VIN) required for covered services, license plate number, and your location, including the telephone number from which you are calling. Briefly describe the nature of the problem and answer a few simple questions. You will be given the name of the service provider and an estimated time of arrival. If you feel you are in an unsafe situation, please let us know. With your consent, we will contact local police or safety authorities.

If Unable to Contact Roadside Assistance

If you are unable to contact Roadside Assistance or unable to provide a valid Vehicle Identification Number (VIN), and you obtain towing services on your own, you may submit your original receipts from the licensed towing or service facility, for services rendered within 30 days of the occurrence. Be sure to include your VIN, odometer mileage at the time of service, and current mailing address. We will process the claim based on vehicle and service eligibility. If eligible, we will reimburse you for the reasonable amount actually paid, based on the usual and customary charges for that service in the area where they were provided. FCA US LLC's determination relating to reimbursement is final. Correspondence should be mailed to:

FCA US LLC Customer Assistance

P.O. Box 9145

Medford, MA 02155

Attention Claims Department

A claim can also be submitted online at https://stellantis.roadsidereimbursement.com

FCA US LLC reserves the right to modify the terms or discontinue the Roadside Assistance Program at any time. The Roadside Assistance program is subject to restrictions and conditions of use, which are determined solely by FCA US LLC.

For California Residents

Notice Under State Lemon Laws

FCA US LLC has chosen to opt-in to the provisions of the California Code of Civil Procedure, Sections 871.20 through 871.30 and the provisions of those chapters that govern vehicles. Notices pursuant the Song-Beverly Consumer Warranty Act, containing an accurate Vehicle Identification Number (VIN) of the motor vehicle, and a brief summary of the repair history and problems with the motor vehicle should be emailed to warrantynotice@stellantis.com. Also, notices may be sent by certified or registered mail, return receipt requested to P.O. Box 436000 Pontiac, MI 48343. Additional information can be found at https://www.dca.ca.gov/acp/.

NOTE:

California residents asserting a claim arising under the Song-Beverly Consumer Warranty Act agree to arbitrate related claims for attorney fees with the National Center for Dispute Settlement, LLC ("NCDS") under its Attorney Fee Arbitration Rules, as then in effect.

Para los residentes de California, FCA US LLC ha optado por acogerse a las disposiciones del Código de Procedimiento Civil de California, secciones 871.20 a 871.30 y las disposiciones de esos capítulos relativas a vehículos. Las notificaciones de conformidad con la Ley Song-Beverly de garantías del consumidor, que deben contener un número preciso de identificación del vehículo motorizado (VIN), y una breve reseña del historial de reparación y los problemas con el vehículo motorizado, se enviarán por correo electrónico a warrantynotice@stellantis.com. Los avisos también pueden ser enviados por correo certificado o registrado, con acuse de recibo, a P.O. Box 436000 Pontiac, MI 48343. Encontrará más información en https://www.dca.ca.gov/acp/

NOTA:

Los residentes de California que presenten una reclamación bajo la Ley Song-Beverly de garantías del consumidor, acuerdan arbitrar las reclamaciones

[2] Towing services provided through Cross Country Motor Club, Inc., 400 River's Edge Drive, Medford, MA 02155, except in AK, CA, HI, OR, WI, and WY, where services are provided by Cross Country Motor Club of California, Inc., 275 East Hillcrest Drive, Suite 165, Thousand Oaks, CA 91360

que correspondan a honorarios legales con el Centro Nacional para Liquidación de Disputas, LLC ("NCDS"), en consonancia con sus reglas de arbitraje para honorarios legales vigentes en ese momento.

FCA US LLC Customer Center

P.O. Box 21–8004

Auburn Hills, MI 48321–8004

Phone: (877) 426-5337

FCA Canada Customer Care

P.O. Box 1621

Windsor, Ontario N9A 4H6

Phone: (800) 465-2001 English / (800) 387-9983 French

Mexico

Customer Relations Office

STELLANTIS Mexico, S.A. de C.V.

Av. Prolongacion Paseo de la Reforma, 1240

Sante Fe C.P. 05109

Mexico, CDMX

In Mexico City: 800-505-1300

Outside Mexico City: +(52) 55 50817568

Puerto Rico And US Virgin Islands

Customer Service

FCA Caribbean LLC

P.O. Box 191857

San Juan 00919-1857

Phone: (877) 426-5337

Customer Assistance For The Hearing Or Speech Impaired (TDD/TTY)

To assist customers who have hearing difficulties, we have installed special Telecommunication Devices for the Deaf (TDD) equipment at our customer centers. Any hearing or speech impaired customer, who has access to a TDD or a conventional teletypewriter (TTY) in the United States, can communicate with us by dialing 1-800-380-2479.

Canadian residents with hearing difficulties who require assistance can use the special needs relay service offered by Bell Canada. For TTY users, dial 711. For Voice callers, dial 1-800-855-0511 to connect with a Bell Relay Service operator.

Flex Care Vehicle Protection Service Contract

The Flex Care Vehicle Protection plans offer valuable protection against repair costs after the New Vehicle Limited Warranty expires. They complement but do not replace the warranty coverages we provide. A variety of plans are available, covering various time-and-mileage periods and various groups of the vehicle's mechanical components.

These plans are the only extended protection plans we endorsed, to provide additional protection beyond your vehicle's warranty. Ask an authorized dealer for details. You may also reach out to the Flex Care National Customer Hotline at 1-800-521-9922 (US).

We are not responsible for any service contract you may have purchased from another manufacturer. If you require service after the limited warranty expires, please contact the administrator of that contract.

For Canadian residents, you may have purchased additional coverage with an extended service contract. FCA Canada Inc. stands fully behind its service contacts. Be sure that the one you purchase is a genuine service contract. We are not responsible for other companies' contracts. If you purchased a contact other than a genuine FCA Canada Inc. service contract and you have a problem, you will have to contact the administrator of that contract. If you have any questions about the FCA Canada Inc. service contract, call the Service Contract National Customer Hotline at (800) 465-2001 English/ (800) 387-9983 French).

Warranty Information

To access your warranty information online, visit www.mopar.com/om (US) or www.owners.mopar.ca/en or www.owners.mopar.ca/fr (Canada).



EV warranty service must be done by a certified EV dealer. To find a certified dealer, visit the Find-A-Dealer

feature on the provided website and select "Show certified EV dealers only". Improper use of aftermarket charging adapters may void your warranty.

Mopar® Parts

Mopar® original equipment parts & accessories and factory filled fluids are available from an authorized dealer. They are recommended for your vehicle to keep it operating at its best and maintain its original condition.

Reporting Safety Defects

In The 50 United States And Washington, D.C.

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

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

To contact NHTSA, you may call the Vehicle Safety Hotline toll free at 1-888-327-4236 (TTY: 1-800-424-9153); or go to http://www.NHTSA.gov; or write to: Administrator, NHTSA, 1200 New Jersey Avenue, SE., West Building, Washington, D.C. 20590. You can also obtain other information about motor vehicle safety from http://www.NHTSA.gov.

In Canada

If you believe that your vehicle has a safety defect, you should contact the Customer Service Department immediately. Canadian customers who wish to report a safety defect to the Canadian government should contact Transport Canada, Motor Vehicle Defect Investigations and Recalls at 1-800-333-0510 or go to https://tc.canada.ca/en.

Ordering Additional Owner's Information

To order the following manuals, you may use either the website or the phone numbers listed below.

Owner's Manuals

Please visit www.techauthority.com to order physical copies of Owner's Manuals (US).

Owner's Manuals, Radio Manuals and Warranty Information Books can be ordered through Archway at:

1-800-387-1143 (Canada)

Service Manuals

These comprehensive Service Manuals provide complete repair and diagnostic instructions of the vehicle, systems and/or components. Service manuals include illustrations, wiring diagrams and charts to assist with vehicle repairs.

To access a digital copy of your Service Manual, visit:

www.moparTSP.com (US and Canada).

Change Of Ownership Or Address

*If you have purchased this vehicle used or have changed your address, please provide the following information and mail to:

FCA US LLC

P.O. Box 21–8008

Auburn Hills, MI 48321–8004

Make sure to include the following:

- Date of Sale (mm/dd/yy)
- Vehicle Identification Number (17 Character ID located on top left of the instrument panel)
- Exact Odometer Reading
- First and Last Name
- Phone Number
- Street Address, City, State and Zip Code
- Email Address

*Applies to US residents only.

General Information

The following regulatory statement applies to all Radio Frequency (RF) devices equipped in this vehicle:

This device complies with Part 15 of the FCC Rules and with Innovation, Science and Economic Development Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d`Innovation, Science and Economic Development applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

1. L'appareil ne doit pas produire de brouillage, et
2. L'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

La operación de este equipo está sujeta a las siguientes dos condiciones:

1. Es posible que este equipo o dispositivo no cause interferencia perjudicial y
2. Este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

NOTE:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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The driver's primary responsibility is the safe operation of the vehicle. Driving while distracted can result in loss of vehicle control, resulting in an accident and personal injury. FCA US LLC strongly recommends that the driver use extreme caution when using any device or feature that may take their attention off the road. Use of any electrical devices, such as cellular telephones, computers, portable radios, vehicle navigation or other devices by the driver while the vehicle is moving is dangerous and could lead to a serious accident. Texting while driving is also dangerous and should never be done while the vehicle is moving. If you find yourself unable to devote your full attention to vehicle operation, pull off the road to a safe location and stop your vehicle. Some states or provinces prohibit the use of cellular telephones or texting while driving. It is always the driver's responsibility to comply with all local laws.

This Owner's Manual has been prepared to help you get acquainted with your new Jeep® brand vehicle and to provide a convenient reference source for common questions.

Not all features shown in this manual may apply to your vehicle. For additional information, visit **mopar.com/om** (USA), **owners.mopar.ca** (Canada) or your local Jeep® brand dealer.

DRIVING AND ALCOHOL

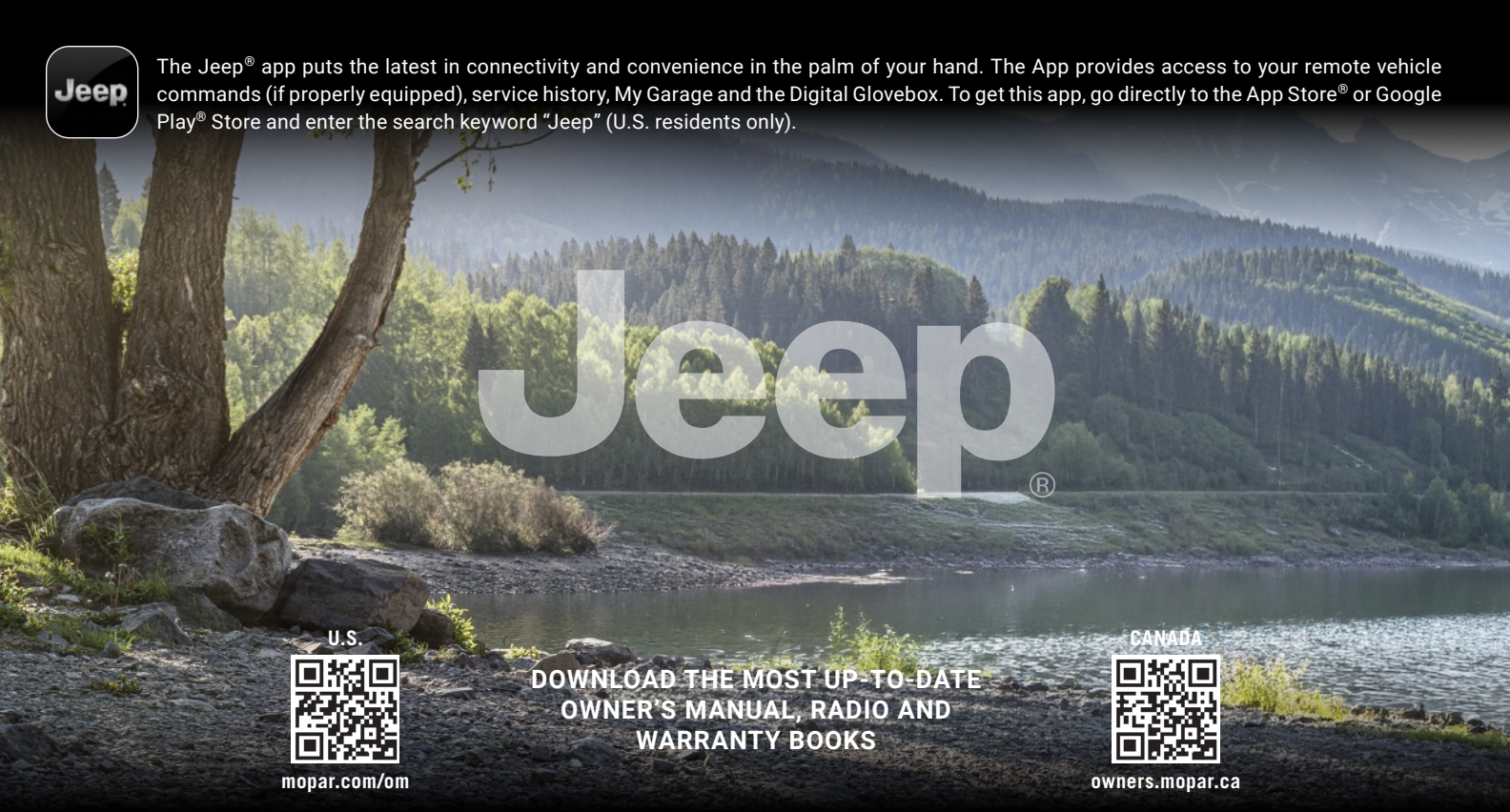
Drunk driving is one of the most frequent causes of accidents. Your driving ability can be seriously impaired with blood alcohol levels far below the legal minimum. If you are drinking, don't drive. Ride with a designated non-drinking driver, call a cab, a rideshare, a friend or use public transportation.

WARNING

Driving after drinking can lead to an accident. Your perceptions are less sharp, your reflexes are slower and your judgment is impaired when you have been drinking. Never drink and then drive.

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