**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 is 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 when the loudspeaker sounds the continuous tone. Also, the sensors could detect the ball mount and hitch ball assembly, depending on its size and shape, and give a false indication that an obstacle is behind the vehicle, and could cause false braking.

**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.

## PARKSENSE ACTIVE PARK ASSIST SYSTEM — IF EQUIPPED

The ParkSense Active Park Assist system is intended to assist the driver during parallel and perpendicular parking maneuvers by identifying a proper parking space, providing audible/visual instructions, and controlling the steering wheel. The ParkSense Active Park Assist system is defined as “semi-automatic” since the driver maintains control of the accelerator, gear selector and brakes. Depending on the driver's parking maneuver selection, the ParkSense Active Park Assist system is capable of maneuvering a vehicle into a parallel or a perpendicular parking space on either side (i.e., driver side or passenger side).

**NOTE:**

- The driver is always responsible for controlling the vehicle, responsible for any surrounding objects, and must intervene as required.
- The system is provided to assist the driver and not to substitute the driver.
- During a semi-automatic maneuver, if the driver touches the steering wheel after being instructed to remove their hands from the steering wheel, the system will cancel, and the driver will be required to manually complete the parking maneuver.
- The system may not work in all conditions (e.g. environmental conditions such as heavy rain, snow, etc., or if searching for a parking space that has surfaces that will absorb the ultrasonic sensor waves).

- New vehicles from the dealership must have at least 30 miles (48 km) accumulated before the ParkSense Active Park Assist system is fully calibrated and performs accurately. This is due to the system's dynamic vehicle calibration to improve the performance of the feature.
- The driver must control the vehicle's brakes. The automatic emergency braking feature is NOT intended to substitute for the driver during REVERSE maneuvers.

## Enabling And Disabling The ParkSense Active Park Assist System

The ParkSense Active Park Assist system can be enabled and disabled with the ParkSense Active Park Assist switch, located on the switch panel below the Uconnect display.

NOTE:
If your vehicle is equipped with a 12-inch Uconnect display, the ParkSense Active Park Assist switch is located above the display.

To enable or disable the ParkSense Active Park Assist system, push the ParkSense Active Park Assist switch once (LED turns on). Pushing the switch a second time will disable the system (LED turns off).

The ParkSense Active Park Assist system will turn off automatically for any of the following conditions:

- Parking maneuver is completed.
- Vehicle speed is greater than 18 mph (30 km/h) when searching for a parking space.
- Vehicle speed is greater than 5 mph (7 km/h) during active steering guidance into the parking space.
- Steering wheel is touched during active steering guidance into the parking space.
- ParkSense Front/Rear Park Assist switch is pushed.
- Driver's door is opened.
- Tailgate is opened.
- Electronic Stability Control/Anti-Lock Braking System intervention.

NOTE:
The ParkSense Active Park Assist system will allow a maximum of eight shifts between DRIVE and REVERSE. If the maneuver cannot be completed within eight shifts, the system will cancel and the instrument cluster display will instruct the driver to complete the maneuver manually.

The ParkSense Active Park Assist system will only operate and search for a parking space when the following conditions are present:

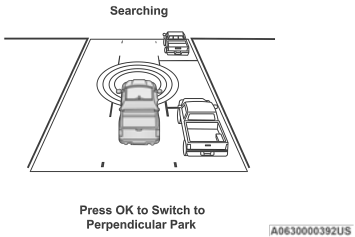
- Gear selector is in DRIVE.
- The ignition is in the ON/RUN position.
- The ParkSense Active Park Assist switch is activated.
- Driver's door is closed.
- Tailgate is closed.
- Vehicle speed is less than 15 mph (25 km/h).
- The outer surface and the underside of the front and rear fascias/bumpers are clean and clear of snow, ice, mud, dirt or other obstruction.

NOTE:
If the vehicle is driven above approximately 15 mph (25 km/h), the instrument cluster display will instruct the driver to slow down. If the vehicle is driven above approximately 18 mph (30 km/h), the system will cancel. The driver must then reactivate the system by pushing the ParkSense Active Park Assist switch.

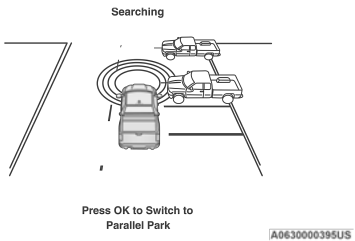
When pushed, the LED on the ParkSense Active Park Assist switch will blink momentarily, and then the LED will turn off if any of the above conditions are not present.

## Parallel/Perpendicular Parking Space Assistance Operation

When the ParkSense Active Park Assist system is enabled, the messages “Active ParkSense Searching - Push OK To Switch To Perpendicular Park” or “Active ParkSense Searching - Push OK to Switch to Parallel Park” will appear in the instrument cluster display. Push the OK button on the left side of the steering wheel to change your parking space setting. You can switch between perpendicular and parallel parking maneuvers.




**Press OK to Switch to Perpendicular Park**

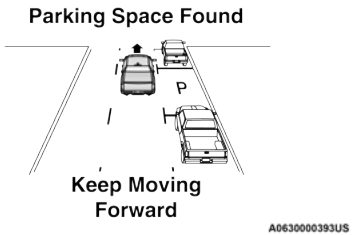



**Press OK to Switch to Parallel Park**

NOTE:

- When searching for a parking space, use the turn signal indicator to select which side of the vehicle you want to perform the parking maneuver. The ParkSense Active Park Assist system will automatically search for a parking space on the passenger's side of the vehicle if the turn signal is not activated.
- The driver needs to make sure that the selected parking space for the maneuver remains free and clear of any obstructions (e.g. pedestrians, bicycles, etc.).
- The driver is responsible to ensure that the selected parking space is suitable for the maneuver and free/clear of anything that may be overhanging or protruding into the parking space (e.g., ladders, tailgates, etc. from surrounding objects/vehicles).
- When searching for a parking space, the driver should drive as parallel or perpendicular (depending on the type of maneuver) to other vehicles as possible.
- The feature will only indicate the last detected parking space (example: if passing multiple available parking spaces, the system will only indicate the last detected parking space for the maneuver). A parking space is considered invalid after the vehicle is 32 ft (10 m) or more away from it.

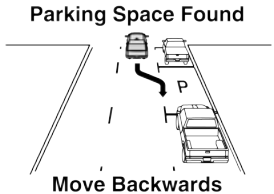
When an available parking space has been found, and the vehicle is not in position, you will be instructed to move forward to position the vehicle for a perpendicular or parallel parking sequence (depending on the type of maneuver being performed).



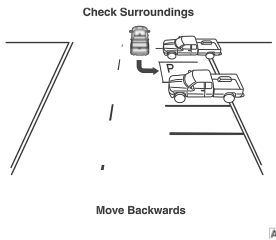

**Space Found — Keep Moving Forward**

Once the vehicle is in position, you will be instructed to stop the vehicle's movement and remove your hands from the steering wheel. When the vehicle comes to a standstill (your hands still removed from the steering wheel), you will be instructed to place the gear selector into the REVERSE position.

The system may then instruct the driver to wait for steering to complete before then instructing to check surroundings and move backward.




**Move Backward Into Parallel Parking Space**




**Move Backward Into Perpendicular Parking Space**

The system may instruct several more gear shifts (DRIVE and REVERSE), with hands off of the steering wheel, before instructing the driver to check surroundings and complete the parking maneuver.

When the vehicle is in the parking position, the maneuver is complete and the driver will be instructed to check the vehicle's parking position, then shift the vehicle into PARK. The message "Active ParkSense Complete - Check Parking Position" will be displayed momentarily.

**NOTE:**

- It is the driver's responsibility to use the brake and accelerator during the semi-automatic parking maneuver.
- It is the driver's responsibility to use the brake and stop the vehicle. The driver should check their surroundings and be prepared to stop the vehicle either when instructed to, or when driver intervention is required.
- When the system instructs the driver to remove their hands from the steering wheel, the driver should check their surroundings and begin to back up slowly.
- The ParkSense Active Park Assist system will allow a maximum of eight shifts between DRIVE and REVERSE. If the maneuver cannot be completed within eight shifts, the system will cancel and the instrument cluster display will instruct the driver to complete the maneuver manually.

- The system will cancel the maneuver if the vehicle speed exceeds 5 mph (7 km/h) during active steering guidance into the parking space. The system will provide a warning to the driver at 3 mph (5 km/h) that tells them to slow down. The driver is then responsible for completing the maneuver if the system is canceled.
- If the system is canceled during the maneuver for any reason, the driver must take control of the vehicle.

**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.

**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.

# LANESENSE — IF EQUIPPED

## LANESENSE OPERATION

The LaneSense system is operational at speeds above 37 mph (60 km/h) and below 112 mph (180 km/h). The LaneSense system uses a forward looking camera to detect lane markings and measure vehicle position within the lane boundaries.

When both lane markings are detected and the driver drifts out of the lane (no turn signal applied), the LaneSense system provides a haptic warning in the form of torque applied to the steering wheel, as well as a visual warning in the instrument cluster display, to prompt the driver to remain within the lane boundaries.

The driver may manually override the haptic warning by applying force into the steering wheel at any time.

When only a single lane marking is detected and the driver drifts across the lane marking (no turn signal applied), the LaneSense system provides a visual warning through the instrument cluster display to prompt the driver to remain within the lane.

When only a single lane marking is detected, a haptic or a torque warning will not be provided.

**NOTE:**
When operating conditions have been met, the LaneSense system will monitor if the driver's hands are on the steering wheel and provide an audible and visual warning to the driver if removed. The system will cancel if the driver does not return their hands to the wheel.

## Turning LaneSense On Or Off

The LaneSense button is located on the switch panel below the Uconnect display.

**NOTE:**
If your vehicle is equipped with a 12-inch Uconnect Display screen, the LaneSense button is located above the display.

To turn the LaneSense system on, push the LaneSense button (LED turns off). A "LaneSense On" message is shown in the instrument cluster display.

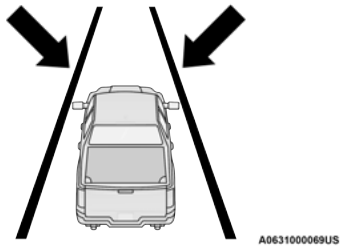
To turn the LaneSense system off, push the LaneSense button again (LED turns on).

**NOTE:**
The LaneSense system will retain the last system state on or off from the last ignition cycle when the ignition is placed in the ON/RUN position.

## LaneSense Warning Message

The LaneSense system will indicate the current lane drift condition through the instrument cluster display.

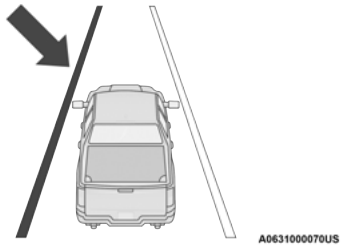
When the LaneSense system is on, the lane lines are gray when both of the lane boundaries have not been detected and the LaneSense telltale is solid white.




**System ON (Gray Lines) With White Telltale**

**Left Lane Departure — Only Left Lane Detected**

- When the LaneSense system is on, the LaneSense Telltale is solid white when only the left lane marking has been detected and the system is ready to provide visual warnings in the instrument cluster display if an unintentional lane departure occurs on the left side.
- When the LaneSense system senses the lane has been approached and is in a lane departure situation, the visual warning in the instrument cluster display will show the left lane line flashing yellow (on/off). The LaneSense telltale changes from solid white to flashing yellow.

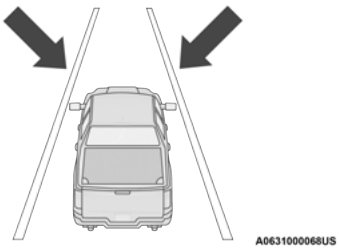



**Lane Approached (Flashing Yellow Lane Line) With Yellow Telltale**

**NOTE:**
The LaneSense system operates with similar behavior for a right lane departure when only the right lane marking has been detected.

**Left Lane Departure — Both Lane Lines Detected**

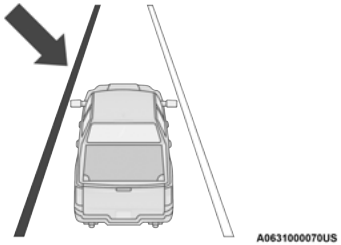
- When the LaneSense system is on and both the lane markings have been detected, the system is "armed" to provide visual warnings in the instrument cluster display and a torque warning in the steering wheel if an unintentional lane departure occurs .The lane lines turn from gray to white and the LaneSense telltale is solid green.




**Lanes Sensed (White Lines) With Green Telltale**

- When the LaneSense system senses a lane drift situation, the left lane line turns solid yellow. The LaneSense telltale changes from solid green to solid yellow. At this time torque is applied to the steering wheel in the opposite direction of the lane boundary.

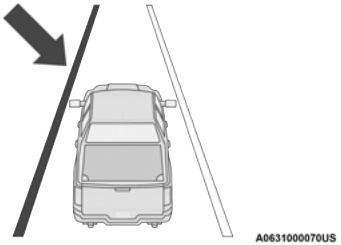
For example: If approaching the left side of the lane the steering wheel will turn to the right.




**Lane Sensed (Solid Yellow Lane Line) With Solid Yellow Telltale**

- When the LaneSense system senses the lane has been approached and is in a lane departure situation, the left lane line flashes yellow (on/off). The LaneSense telltale changes from solid yellow to flashing yellow. At this time torque is applied to the steering wheel in the opposite direction of the lane boundary.

For example: If approaching the left side of the lane the steering wheel will turn to the right.




**Lane Approached (Flashing Yellow Lane Line) With Flashing Yellow Telltale**

NOTE:
The LaneSense system operates with similar behavior for a right lane departure.

### Changing LaneSense Status

The LaneSense system has settings to adjust the intensity of the torque warning and the warning zone sensitivity (Early/Medium/Late) that you can configure through the Uconnect system ➪ page 237.

NOTE:

- When enabled the system operates above 37 mph (60 km/h) and below 112 mph (180 km/h).
- The warnings are disabled with use of the turn signal.
- The system will not apply torque to the steering wheel whenever a safety system engages (Anti-Lock Brakes, Traction Control System, Electronic Stability Control, Forward Collision Warning, etc.).

## PARKVIEW REAR BACK UP CAMERA

The ParkView Rear Back Up Camera allows you to see an on-screen image of the rear surroundings of your vehicle whenever the gear selector is put into REVERSE. The image will be displayed on the Navigation/Multimedia radio display screen along with a caution note to "Check Entire Surroundings" across the top of the screen. After five seconds this note will disappear. The ParkView Camera is located in the center of the tailgate handle.

**Manual Activation Of The Rear View Camera:**

1. Press the "Controls" button located on the bottom of the Uconnect display.
2. Press the "Back Up Camera" icon to turn the Rear View Camera system on.

NOTE:
The ParkView Rear Back Up Camera has programmable modes of operation that may be selected through the Uconnect system ➪ page 237.

When the vehicle is shifted out of REVERSE (with camera delay turned off), the rear camera mode is exited and the previous screen appears. When the vehicle is shifted out of REVERSE (with camera delay turned on), the camera image will continue to be displayed for up to 10 seconds after shifting out of REVERSE unless the following conditions occur: The vehicle speed exceeds 8 mph (13 km/h), the vehicle is shifted into PARK, the vehicle's ignition is placed in the OFF position, or the user presses image defeat "X" to exit out of the camera video display.

Whenever the Rear View Camera image is activated through the "Back Up Camera" button in the Controls menu, and the vehicle speed is greater than, or equal to, 8 mph (13 km/h), a display timer for the image is initiated. The image will continue to be displayed until the display timer exceeds 10 seconds.

NOTE:

- If the vehicle speed remains below 8 mph (13 km/h), the Rear View Camera image will be displayed continuously until deactivated via the touchscreen button "X", the transmission is shifted into PARK, or the ignition is placed in the OFF position.
- The touchscreen button "X" to disable display of the camera image is made available ONLY when the vehicle is not in REVERSE.

When enabled, active guidelines are overlaid on the image to illustrate the width of the vehicle and its projected back up path based on the steering wheel position. A dashed center line overlay indicates the center of the vehicle to

assist with parking or aligning to a hitch/ receiver. Different colored zones indicate the distance to the rear of the vehicle. The following table shows the approximate distances for each zone:

| Zones | 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) |

**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.

**NOTE:**
If snow, ice, mud, or any foreign substance builds up on the camera lens, clean the lens, rinse with water, and dry with a soft cloth. Do not cover the lens.

### Zoom View

When the Rear View Camera image is being displayed, and the vehicle speed is below 8 mph (13 km/h) while in any gear, Zoom View is available. By pressing the “magnifying glass” icon in the upper left of the display screen, the image will zoom in to four times the standard view. Pressing the icon a second time will return the view to the standard Back Up Camera display.

When Zoom View is selected while the vehicle is in REVERSE, then shifted to DRIVE, the camera delay view will display the standard Back Up Camera view. If the vehicle is then returned to REVERSE gear from DRIVE, the Zoom View selection will automatically resume.

Shifting to NEUTRAL from any gear will maintain the selected view (Zoom or Standard) as long as the vehicle is below 8 mph (13 km/h).

If the vehicle is in PARK, Zoom View is available until the gear selector is placed in DRIVE or REVERSE and speeds are at or above 8 mph (13 km/h).

**NOTE:**

- If the vehicle is in DRIVE, NEUTRAL, or REVERSE, and speed is greater than or equal to 8 mph (13 km/h), Zoom View is unavailable and the icon will appear grey.
- While in Zoom View, the guidelines will not be visible.

## AUX CAMERA — IF EQUIPPED

Your vehicle may be equipped with one or two AUX Cameras, which display rearview and side view images from the trailer on the touchscreen.

### Activation

The AUX Camera is activated by first pressing the Backup Camera or Surround View Camera (if equipped) button on the touchscreen, followed by the AUX button located in the upper left corner of the rearview display. The AUX camera can also be activated when the vehicle is in REVERSE by pressing the AUX button.

If equipped with two AUX Cameras, you can switch between each camera by pressing the AUX1 or AUX2 buttons on the Trailer Camera display.

AUX1 Camera Button

AUX2 Camera Button

### Deactivation

The AUX Camera is deactivated by pressing the “X” in the upper right corner of the touchscreen. This will return the display back to the previously displayed screen.

NOTE:

- If the AUX button is pressed and no AUX Camera is connected, the touchscreen will display a blue screen along with the message “Camera System Unavailable.” The screen can be exited out by pressing the “X” in the upper right hand corner. This will return the display back to the previously displayed screen.
- Zoom View is not available with the AUX Camera feature.
- The display will always default to the Trailer Camera display (AUX 1).

## SURROUND VIEW CAMERA SYSTEM — IF EQUIPPED

The Surround View Camera system allows you to see an on-screen image of the surroundings and the Top View of your vehicle. This occurs whenever the gear selector is in REVERSE or when enabled through the Uconnect system. The Top View of the vehicle will also show if any doors are open. The image will be displayed on the touchscreen along with a caution note “Check Entire Surroundings”. After five seconds, this note will disappear. The Surround View Camera system is comprised of four cameras located in the front grille, rear tailgate and side mirrors.

NOTE:
The Surround View Camera system has programmable settings that may be selected through the Uconnect system ➪ page 237.

Press this button on the touchscreen to enter the Surround View Camera menu in the Uconnect system.

When the vehicle is shifted into REVERSE, the Rear View and Top View is the default view of the system.

If the camera delay is turned on, the camera image will display for up to 10 seconds after shifting out of REVERSE. The camera image will not display for 10 seconds if the vehicle speed exceeds 8 mph (13 km/h), the vehicle is shifted into PARK, or the ignition is placed in the OFF position. The “X” button on the touchscreen disables the display of the camera image.

If the camera delay is turned off, the camera image will close and display the previous screen after shifting out of REVERSE.

If active guidelines are enabled, the lines are overlaid on the image in the Rear View to illustrate the width of the vehicle. The view will also include the side view mirrors and its projected back up path based on the steering wheel position.

There are different colored zones to indicate the distance to the rear of the vehicle. Refer to the chart below:

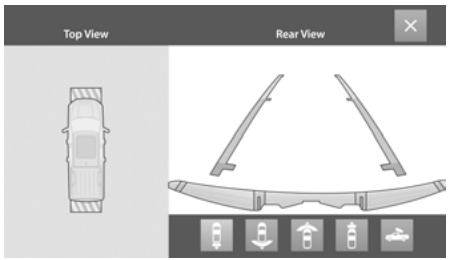
| Zone | Distance To The Rear Of The Vehicle |
|---|---|
| Red | 0 - 1 ft (0 - 30 cm) |
| Yellow | 1 ft - 6.5 ft (30 cm - 2 m) |
| Green | 6.5 ft or greater (2 m or greater) |

### Modes Of Operation

Standard Rear View can be manually activated by selecting “Back Up Camera” through the Controls menu within the Uconnect system.

### *Top View*

The Top View will show in the Uconnect system with Rear View and Front View in a split screen display. There are integrated ParkSense arcs in the image at the front and rear of the vehicle. The arcs will change color from yellow to red corresponding the distance zones to the oncoming object.




**Surround View Camera View**

NOTE:

- Front tires will be seen in the image when the tires are turned.
- Due to wide angle cameras in the mirrors, the image will appear distorted.
- The Top View will show which doors are open.
- Open front doors will block the outside image.

### *Rear View*

This is the default view of the system in REVERSE and is always paired with the Top View of the vehicle with optional active guidelines for the projected path when enabled.

### *Rear Cross Path View*

Pressing the Rear Cross Path soft key will give the driver a wider angle view of the rear camera system. The Top View will be disabled when this is selected.

### *Front View*

The Front View will show you what is immediately in front of the vehicle and is always paired with the Top View of the vehicle.

***Front Cross Path View***

Pressing the Front Cross Path soft key will give the driver a wider angle view of the front camera system. The Top View will be disabled when this is selected.

***Rear View Camera***

Pressing the Back Up Camera soft key will provide a full screen rear view with Zoom View.

NOTE:
If the Rear View Camera view was selected through the Surround View Camera menu, exiting out of the Rear View screen will return to the Surround View menu. If the Back Up Camera was manually activated through the Controls menu of the Uconnect system, exiting out of the display screen will return to the Controls menu.

Zoom View

When the Rear View Camera image is being displayed, and the vehicle speed is below 8 mph (13 km/h) while in any gear, Zoom View is available. By pressing the “magnifying glass” icon in the upper left of the display screen, the image will zoom in to four times the standard view. Pressing the icon a second time will return the view to the standard Back Up Camera display.

When Zoom View is selected while the vehicle is in REVERSE, then shifted to DRIVE, the camera delay view will display the standard Back Up Camera view. If the vehicle is then returned to REVERSE gear from DRIVE, the Zoom View selection will automatically resume.

Shifting to NEUTRAL from any gear will maintain the selected view (Zoom or Standard) as long as the vehicle is below 8 mph (13 km/h).

If the vehicle is in PARK, Zoom View is available until the gear selector is placed in DRIVE or REVERSE and speeds are at or above 8 mph (13 km/h).

NOTE:

- If the vehicle is in DRIVE, NEUTRAL, or REVERSE, and speed is greater than or equal to 8 mph (13 km/h), Zoom View is unavailable and the icon will appear grey.
- While in Zoom View, the guidelines will not be visible.

Deactivation

The system is deactivated in the following conditions if it was activated **automatically:**

- When the vehicle is shifted out of REVERSE (with camera delay turned on), the camera image will continue to be displayed for up to 10 seconds after shifting out of REVERSE unless the vehicle speed exceeds 8 mph (13 km/h), the vehicle is shifted into PARK or the ignition is placed in the OFF position. There is a touchscreen button “X” to disable the display of the camera image.
- When the vehicle is shifted out of REVERSE (with camera delay turned off), the Surround View Camera mode is exited and the last known screen appears again.

The system is deactivated in the following conditions if it was activated **manually** from the Uconnect controls menu via Surround View button or Back Up Camera button:

- The “X” button on the display is pressed
- Vehicle is shifted into PARK
- Ignition is placed in the OFF position
- Vehicle speed is over 8 mph (13 km/h) for 10 seconds

NOTE:
If the Surround View Camera is activated manually, and the vehicle is shifted into REVERSE, deactivation methods for automatic activation are assumed.

The camera delay system is turned off manually through the Uconnect settings menu ➪ page 237.

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.

### Forward Facing Camera With Tire Lines — If Equipped

The Forward Facing Camera displays a front view image of the road ahead, along with tire lines to guide the driver when driving on narrow roads. Tire lines can be activated/deactivated through the Uconnect settings.

#### Activation

The Forward Facing Camera can be activated in the following ways:

- Pressing the Forward Facing Camera button in the Controls screen or Apps menu
- Pressing the Backup Camera or Surround View Camera button (if equipped) on the touchscreen, followed by the AUX button located in the upper left corner of the rear-view display
- Pressing the Forward Facing Camera button while the vehicle is in REVERSE

Once activated, the camera image will remain on as long as the vehicle speed is below 8 mph (13 km/h) and the vehicle is not in 4WD Low.

#### Deactivation

The Forward Facing Camera is deactivated in the following conditions:

- The vehicle is not in 4WD Low and the vehicle speed exceeds 8 mph (13 km/h) for 10 seconds.
- The “X” button on the display is pressed.
- The vehicle is shifted into PARK.
- The ignition is placed in the OFF position.

NOTE:
If the vehicle is in 4WD Low, the Forward Facing Camera image will be displayed until the “X” button is pressed or the ignition is placed in the OFF position.

| 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.

## AUX Camera — If Equipped

Your vehicle may be equipped with one or two AUX Cameras, which display images from the trailer on the touchscreen.

### Activation

The AUX Camera is activated any of the following ways:

- By first pressing the Backup Camera or Surround View Camera (if equipped) button on the touchscreen, followed by the AUX button located in the upper left corner of the rearview display
- Pressing the AUX button in the Apps menu
- Pressing the AUX button when the vehicle is in REVERSE

If equipped with two AUX Cameras, you can switch between each camera by pressing the AUX1 or AUX2 buttons on the Trailer Camera display.

AUX1 Camera Button

AUX2 Camera Button

### Deactivation

The AUX Camera is deactivated when the following situations occur:

- The “X” in the upper right corner of the touch-screen is pressed. This will return the display back to the previously displayed screen.
- The vehicle speed exceeds 8 mph (13 km/h) for 10 seconds.
- The vehicle is shifted into PARK.
- The ignition is placed in the OFF position.

**NOTE:**

- If the AUX button is pressed and no AUX Camera is connected, the touchscreen will display a blue screen along with the message “Camera System Unavailable.” The screen can be exited out by pressing the “X” in the upper right hand corner. This will return the display back to the previously displayed screen.
- Zoom View is not available with the AUX Camera feature.
- The display will always default to the Trailer Camera display (AUX 1).

# REFUELING THE VEHICLE — GASOLINE ENGINE

The capless fuel filler is located on the left side of the vehicle.

The capless system is sealed by two flapper doors.

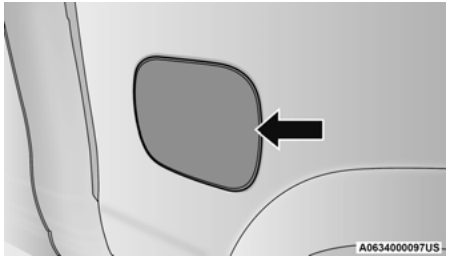
**WARNING!**

- 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 MIL to turn on.
- A fire may result if gasoline is pumped into a portable container that is inside of a vehicle. You could be burned. Always place gas containers on the ground while filling.

**CAUTION!**

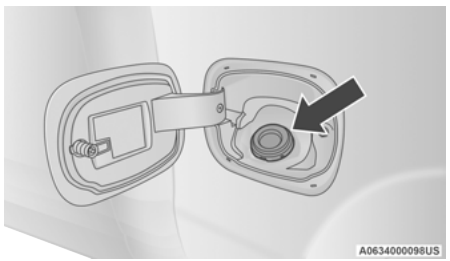
To avoid fuel spillage and overfilling, do not "top off" the fuel tank after filling.

1. Put the vehicle in PARK and switch the ignition off.
2. Push the center-rear edge of the fuel filler door (3 o'clock position) and release to open.




**Fuel Filler Door**

3. Insert the fuel nozzle fully into the filler pipe, the nozzle opens and holds both flapper doors while refueling.




**Fuel Filler**

4. When the fuel nozzle "clicks" or shuts off, the fuel tank is full.
5. Keep the nozzle in the filler for five seconds after nozzle clicks to allow fuel to drain from the nozzle.
6. Remove the fuel filler nozzle.
7. To close the fuel filler door, push the center-rear edge (3 o'clock position) of the fuel filler door and then release. The fuel filler door will latch closed.

**NOTE:**
In certain cold conditions, ice may prevent the fuel filler door from opening. If this occurs, lightly push on the fuel filler door around the perimeter to break the ice build up.

**WARNING!**

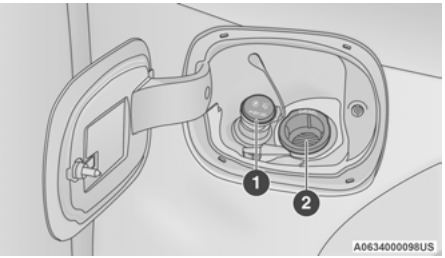
- Always place container on the ground before filling.
- Keep the pump nozzle in contact with the container when you are filling it.
- Use only approved containers for flammable liquid.
- Do not leave container unattended while filling.
- A static electric charge could cause a spark and fire hazard.

# REFUELING THE VEHICLE — DIESEL ENGINE

The capless fuel filler is located on the left side of the vehicle.

The capless system is sealed by two flapper doors.

1. Put the vehicle in PARK and switch the ignition off.
2. Open the fuel filler door.




**Diesel Fuel And Diesel Exhaust Fluid Fill Location**

1 — Diesel Exhaust Fluid (DEF) Fill Location
2 — Diesel Fuel Fill Location

3. Insert the fuel nozzle fully into the filler pipe – the nozzle opens and holds the flapper door while refueling.
4. Fill the vehicle with fuel – when the fuel nozzle “clicks” or shuts off, the fuel tank is full.
5. Remove the fuel nozzle and close the fuel 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.

**CAUTION!**

To avoid fuel spillage and overfilling, do not “top off” the fuel tank after filling.

## AVOID USING CONTAMINATED FUEL

Fuel that is contaminated by water or dirt can cause severe damage to the engine fuel system. Proper maintenance of the engine fuel filter and fuel tank is essential ➪ page 409.

## BULK FUEL STORAGE — DIESEL FUEL

If you store quantities of fuel, good maintenance of the stored fuel is also essential. Fuel contaminated with water will promote the growth of “microbes.” These microbes form “slime” that will clog the fuel filtration system and lines. Drain condensation from the supply tank and change the line filter on a regular basis.

**NOTE:**
When a diesel engine is allowed to run out of fuel, air is pulled into the fuel system.

If the vehicle will not start ➪ page 414.

**WARNING!**

Do not open the high pressure fuel system with the engine running. Engine operation causes high fuel pressure. High pressure fuel spray can cause serious injury or death.

## Diesel Exhaust Fluid

Your vehicle is equipped with a Selective Catalytic Reduction (SCR) system to meet diesel emissions standards required by the Environmental Protection Agency.

The purpose of the SCR system is to reduce levels of oxides of nitrogen ($NO_x$) emitted from engines that are harmful to our health and the environment to a near-zero level. A small quantity of Diesel Exhaust Fluid (DEF) is injected into the exhaust upstream of a catalyst where, when vaporized, converts smog-forming $NO_x$ into harmless nitrogen ($N_2$) and water vapor ($H_2O$), two natural components of the air we breathe.

## Diesel Exhaust Fluid Storage

Diesel Exhaust Fluid (DEF) is considered a very stable product with a long shelf life. If DEF is kept in temperatures between 10° and 90°F (-12° and 32°C), it will last a minimum of one year.

DEF may freeze at temperatures at or below 12°F (-11°C). The system has been designed to operate in this environment.

NOTE:
When working with DEF, it is important to know that:

- Any containers or parts that come into contact with DEF must be DEF compatible (plastic or stainless steel). Copper, brass, aluminum, iron or non-stainless steel should be avoided as they are subject to corrosion by DEF.
- If DEF is spilled, it should be wiped up completely.

## Adding Diesel Exhaust Fluid

The Diesel Exhaust Fluid (DEF) gauge (located on the instrument cluster) will display the level of DEF remaining in the tank ➪ page 109.

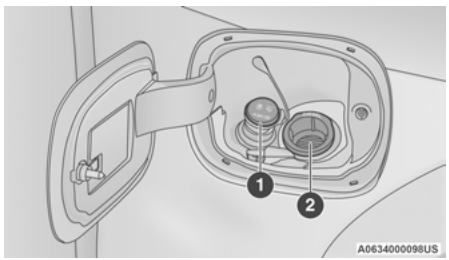
NOTE:

- Driving conditions (altitude, vehicle speed, load, etc.) will effect the amount of DEF that is used in your vehicle.
- Outside temperature can affect DEF consumption. In cold conditions, 12°F (-11°C) and below, the DEF gauge may take longer to operate as intended. This is a normal function of the system.
- There is an electric heater inside the DEF tank that automatically works when necessary. And if the DEF supply does freeze, the truck will operate normally until it thaws.

### Diesel Exhaust Fluid (DEF) Fill Procedure

NOTE:
For the correct fluid type ➪ page 475.

1. Remove cap from Diesel Exhaust Fluid (DEF) tank which is located next to the diesel fuel filler.




**DEF Filler Cap And Fuel Fill**

1 — Diesel Exhaust Fluid (DEF) Fill Location
2 — Diesel Fuel Fill Location

2. Insert DEF fill adapter/nozzle into DEF tank filler neck.

NOTE:

- The DEF gauge may take up to five seconds to update after adding a gallon or more of (DEF) to the DEF tank. If you have a fault related to the DEF system, the gauge may not update to the new level. See an authorized dealer for service.
- The DEF gauge may also not immediately update after a refill if the temperature of the DEF fluid is below 12°F (-11°C). The DEF line heater will possibly warm up the DEF fluid and allow the gauge to update after a period of run time. Under very cold conditions, it is possible that the gauge may not reflect the new fill level for several drives.

### Refilling With Nozzles

You can fill up at any DEF distributor.

Proceed as follows:

- Insert the DEF nozzle in the filler, start refilling and stop refilling at the first shut-off (the shut-off indicates that the DEF tank is full). Do not proceed with the refilling, to prevent spillage of DEF.
- Extract the nozzle.

### Refilling With Containers

Proceed as follows:

- Check the expiration date.
- Read the advice for use on the label before pouring the content of the bottle into the DEF tank.
- If systems which cannot be screwed in (e.g. tanks) are used for refilling, after the indication appears on the instrument panel display ➪ page 114 fill the DEF tank with no more than 2 Gallons (8 liters).
- If containers which can be screwed to the filler are used, the reservoir is full when the DEF level in the container stops pouring out. Do not proceed further.

**CAUTION!**

- To avoid DEF spillage, and possible damage to the DEF tank from overfilling, do not “top off” the DEF tank after filling.

*(Continued)*

**CAUTION!** *(Continued)*

- DO NOT OVERFILL. DEF will freeze below 12°F (-11°C). The DEF system is designed to work in temperatures below the DEF freezing point, however, if the tank is over-filled and freezes, the system could be damaged.
- When DEF is spilled, clean the area immediately with water and use an absorbent material to soak up the spills on the ground.
- Do not attempt to start your engine if DEF is accidentally added to the diesel fuel tank as it can result in severe damage to your engine, including but not limited to failure of the fuel pump and injectors.

*(Continued)*

**CAUTION!** *(Continued)*

- Never add anything other than DEF to the tank – especially any form of hydrocarbon such as diesel fuel, fuel system additives, gasoline, or any other petroleum-based product. Even a very small amount of these, less than 100 parts per million or less than 1 oz. per 78 gallons (295 liters) will contaminate the entire DEF system and will require replacement. If owners use a container, funnel or nozzle when refilling the tank, it should either be new or one that is has only been used for adding DEF. Mopar provides an attachable nozzle with its DEF for this purpose.

3. Stop filling the DEF tank immediately when any of the following happen: DEF stops flowing from the fill bottle into the DEF tank, DEF splashes out the filler neck, or a DEF pump nozzle automatically shuts off.
4. Reinstall cap onto DEF tank.

#### Filling The Def Tank In Cold Climates

Your vehicle is equipped with an automatic DEF heating system. This allows the DEF injection system to operate properly at temperatures below 12°F (-11°C). If your vehicle is not in operation for an extended period of time with temperatures below 12°F (-11°C), the DEF in the tank may freeze. Do not overfill the DEF tank. If the tank is overfilled and freezes, it could be damaged.

Extra care should be taken when filling with portable containers to avoid overfilling. Keep an eye on the DEF gauge in your instrument cluster. You may safely add a maximum of 2 gallons (7.6 Liters) when your DEF gauge is reading at the half mark.

# VEHICLE LOADING

## Gross Vehicle Weight Rating (GVWR)

The GVWR is the total permissible weight of your vehicle including driver, passengers, vehicle, options and cargo. The label also specifies maximum capacities of front and rear Gross Axle Weight Rating (GAWR). Total load must be limited so GVWR and front and rear GAWR are not exceeded.

## Payload

The payload of a vehicle is defined as the allowable load weight a truck can carry, including the weight of the driver, all passengers, options 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 does not necessarily increase the vehicle's GVWR.

## 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 Gross Axle Weight Rating (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 insure that the Gross Vehicle Weight Rating (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 axle. Weighing the vehicle may show that the Gross Axle Weight Rating (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.

Improper weight distributions can have an adverse effect on the way your vehicle steers and handles and the way the brakes operate.

| CAUTION! |
| --- |
| 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. Also overloading can shorten the life of your vehicle. |

## TRAILER TOWING

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 213.

### 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 lbs (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 213.

| 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 commonly used to tow small and medium sized trailers.

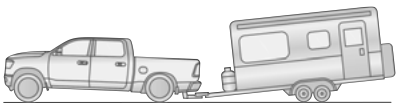
### Weight-Distributing Hitch

A weight-distributing 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 GAWR requirements.

**WARNING!**

- An improperly adjusted weight distributing hitch system may reduce handling, stability and braking performance and could result in a collision.
- Weight distributing 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.



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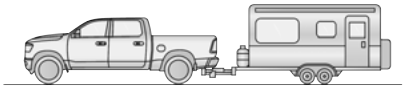
**Without Weight-Distributing Hitch (Incorrect)**



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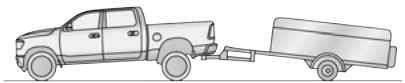
**With Weight-Distributing Hitch (Correct)**



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**Improper Adjustment Of Weight-Distributing Hitch (Incorrect)**

## Recommended Distribution Hitch Adjustment

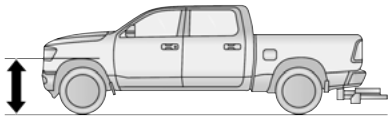
### Towing With Air Suspension — If Equipped

1. Verify that the vehicle is at the normal ride height.

**NOTE:**
The vehicle must remain in the engine run position with all doors closed while attaching a trailer for proper leveling of the air suspension system.

2. Position the truck to be ready to connect to the trailer (do not connect the trailer).
3. Enable tire jack mode through the instrument cluster or touchscreen radio settings. Tire jack mode will be canceled and procedure must be restarted if the vehicle is driven at speeds above 5mph (8 km/h).

4. Measure the height of the top of the front wheel opening on the fender to ground; this is height H1.



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**Measuring Height (H)**

5. Attach the trailer to the vehicle without the weight distribution bars connected.
6. Measure the height of the top of the front wheel opening on the fender to ground; this is height H2.
7. Install and adjust the tension in the weight distributing bars per FCA recommendations so that the height of the front fender is approximately (H2-H1)/3+H1 (about 1/3 the difference between H2 and H1 above normal ride height [H1]).
8. Use the instrument cluster or touchscreen radio settings and switch off tire jack mode. Make sure the truck returns to normal ride height. Perform a visual inspection of the trailer and weight distributing hitch to confirm FCA recommendations have been met.
9. The truck can now be driven.

| Measurement Example | Example Height (mm) |
|---|---|
| H1 | 925 |
| H2 | 946 |
| H2-H1 | 21 |
| (H2-H1)/3 | 7 |
| (H2-H1)/3 + H1 | 932 |

**NOTE:**
For all towing conditions, we recommend towing with tow haul mode engaged.

## Trailer Hitch Type and Maximum Trailer Weight

The following chart provides the maximum trailer weight a given factory equipped trailer hitch type can tow and should be used to assist you in selecting the correct trailer hitch for your intended towing condition.

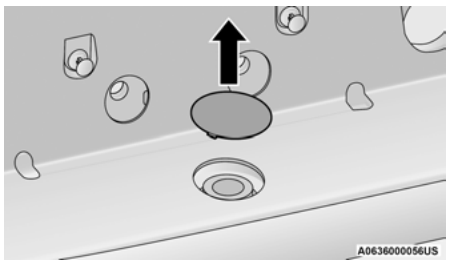
| Trailer Hitch Type and Maximum Trailer Weight | |
|---|---|
| Hitch Type | Max. Trailer Weight / Max. Tongue Weight |
| Class III Bumper Hitch - 1500 Model | 6,000 lbs (2,721 kg) / 500 lbs (226 kg) |
| Class IV - 1500 Model | 12,750 lbs (5,783 kg) / 1,275 lbs (578 kg) |
| Refer to the “Trailer Towing Weights (Maximum Trailer Weight Ratings)” for the Maximum Gross Trailer Weight (GTW) towable for your given drivetrain. | |

All trailer hitches should be professionally installed on your vehicle.

### Class III Bumper Hitch Access

Remove the cap with a trim stick or screw driver to access the Class III hitch attachment.

NOTE:
Be careful not to scratch the bumper step pad.



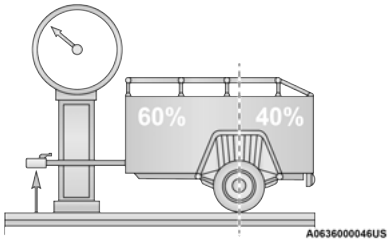

Class III Bumper Hitch Access

## Trailer Towing Weights (Maximum Trailer Weight Ratings)

NOTE:
For trailer towing information (maximum trailer weight ratings) refer to the following website addresses:

- ramtrucks.com/en/towing_guide/
- ramtruck.ca (Canada)
- rambodybuilder.com

## Trailer And Tongue Weight




**Weight Distribution**

Consider the following items when computing the weight on the rear axle of the vehicle:

- The tongue weight 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 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.

## Trailer Reverse Steering Control

Trailer Reverse Steering Control (TRSC) is a feature that will allow the driver to back up a trailer using a knob located on the center stack. The feature works by the user first hooking up a trailer and then performing the calibration maneuvers.

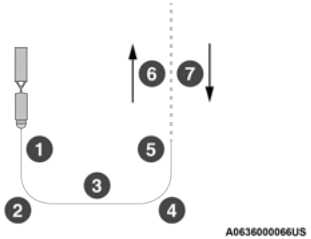
| CAUTION! |
| --- |
| Always observe the position of the trailer and surroundings using the camera and mirrors to avoid damage to the truck or trailer. |

**Calibration:**

First bring the vehicle and trailer to a complete stop in a large open area, place the vehicle in PARK and push the TRSC button located above the knob in the center stack.

To calibrate a trailer, the driver must drive forward 100 ft (30 m). Then perform a 90 degree turn and return to a straight position for 65 ft (20 m). Perform another 90 degree turn, followed by another 65 ft (20 m) straight drive. Upon completion this the feature will be available to activate.

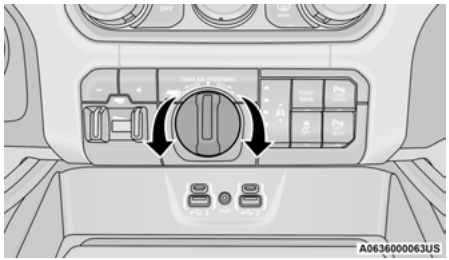
**NOTE:**
The 90 degree turns could be in either the left or right direction.




**Trailer Reverse Steering Control Calibration**

1 — Straight 100 ft (30 m)
2 — Intersection turn with radius 50-65 ft (15-20 m) in either direction
3 — Straight 50 ft (15 m)
4 — Intersection turn with radius 50-65 ft (15-20 m) in either direction
5 — Straight 50 ft (15 m)
6 — Straight 65 ft (20 m), making sure to align vehicle/trailer to path center line
7 — Feature is active, turn knob left or right to back the trailer up

Once calibrated the driver can shift to PARK, push the button on top of the TRSC knob and activate the feature. The knob is then turned either to the left or right depending on what direction the driver wants the trailer to go.




**Trailer Reverse Steering Control Knob**

**NOTE:**
When steering the trailer with the knob, remove hands from the steering wheel.

There is also a holdover state where if during an active trailer steering maneuver, the driver shifts to NEURAL or DRIVE to straighten the trailer, the driver may shift back to REVERSE and not need to reactivate the feature. However the feature will cancel after 10 seconds or when the vehicle speed reaches 8 mph (12 km/h).

**Instrument Cluster Messages:**

- “Drive forward to calibrate trailer” will display when a trailer is not calibrated and the vehicle is at standstill while the button is pushed.
- “Calibrating trailer” will display when the trailer is not calibrated and the vehicle is moving while the button is pushed.
- “To activate trailer steering shift to P” will display when the trailer is calibrated successfully and the vehicle is not in PARK.
- “Trailer Steering ready, shift to reverse” will display when the button is pushed, trailer is calibrated and the vehicle is in PARK.
- “Trailer steering active” will display after the driver shifts to REVERSE and indicates the feature is active.
- “Trailer Steering Unavailable” will display if there is a fault in the system preventing activation, the driver’s door is open, the driver’s seat belt is unbuckled, or the tailgate is open.

Other reasons the feature may cancel:

- The driver overrides steering by placing hands on the steering wheel.
- Trailer tracking is lost.
- If the trailer angle becomes excessive, the brakes apply bringing the vehicle to a stop and then applying the parking brake.
- Trailer steering button is pushed while active.
- Vehicle speed goes over 8 mph (12 km/h).
- Driver door is open and seat belt is unbuckled.
- Transmission shifted to PARK.

**Trailer Memory**

The trailer steering system can remember up to five trailers, so recalibration will not be necessary.

To store a trailer to memory, calibrate the trailer and then allow the vehicle to be off for a period of time. The next time the vehicle is started, place the vehicle in DRIVE and drive a short distance. The trailer system can then be activated.

NOTE:
Trailers may look different during day and night conditions. In such cases, the trailer may need to recalibrate.

Some trailers (such as boat trailers) will need to recalibrate while loaded and unloaded.

NOTE:

- The system may not detect a trailer in low light conditions. In sunny conditions, the performance may be degraded as shadows pass over the trailer.
- The driver is always responsible for safe operation of truck and trailer.
- The driver is always in control of the truck as well as the trailer and is responsible for controlling the throttle and brakes.
- The system may not function when the camera lens is blocked, blurred (covered with water, snow, ice, dirt, etc) and will not work unless the tailgate is upright and fully latched.

## TOWING REQUIREMENTS

To promote proper break-in of your 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 section for the proper maintenance intervals ➪ page 395. When towing a trailer, never exceed the GAWR or GCWR ratings.

**WARNING!**

- 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 the hook retainers of the vehicle hitch. Cross the chains under the trailer tongue and allow enough slack for turning corners.

*(Continued)*

**WARNING!** *(Continued)*

- 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. For four-wheel drive vehicles, make sure the transfer case is not in NEUTRAL. 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 443.

## Towing Requirements — Trailer Brakes

- Do **not** interconnect the hydraulic brake system or vacuum system of your vehicle with that of the trailer.
- 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 lbs (453 kg) and required for trailers in excess of 2,000 lbs (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.

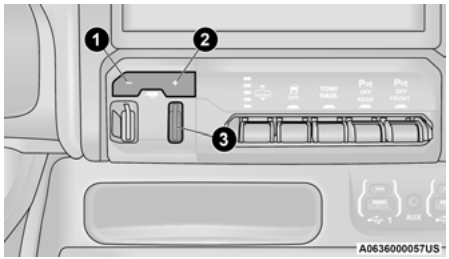
**CAUTION!**

If the trailer weighs more than 1,000 lbs (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 — If Equipped

Your vehicle may have an Integrated Trailer Brake Module (ITBM) for Electric and Electric Over Hydraulic (EOH) trailer brakes.

NOTE:
This module has been designed and verified with electric trailer brakes and new 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:

### 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.

### 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 stop lamps will come on when braking normally with the vehicle brake pedal. Only the trailer stop lamps will come on when the manual brake control lever is 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 Integrated Trailer Brake Module (ITBM), the "Trailer Brake Status Indicator Light" will flash.

### 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 your 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 is plugged in with electric or EOH brakes, 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 screen.
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 screen.
7. Push the RIGHT arrow and then push the UP or DOWN buttons until the proper Trailer Brake Type appears on the screen.
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.

| | Light Electric | Heavy Electric | Light EOH | Heavy EOH |
|---|---|---|---|---|
| Type of Trailer Brakes | Electric Trailer Brakes | Electric Trailer Brakes | Electric over Hydraulic Trailer Brakes | Electric over Hydraulic Trailer Brakes |
| Load | *Under 10,000 lbs | *Above 10,000 lbs | *Under 10,000 lbs | *Above 10,000 lbs |

*The suggested selection may change depending on the customer preferences for braking performance. Condition of the trailer brakes, driving and road state may also affect the selection.

### 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 114.

| 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 a 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 a 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 electric-over-hydraulic 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 your authorized dealer if an aftermarket module is to be installed.

## Towing Requirements — Trailer Lights And Wiring

Whenever you pull a trailer, regardless of the trailer size, stoplights and turn signals on the trailer are required for motoring safety.

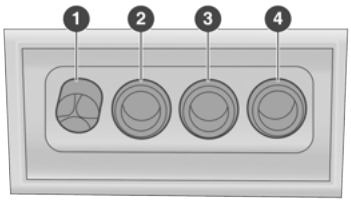
The Trailer Tow Package may include a four-pin and seven-pin wiring harness. Use a factory approved trailer harness and connector.

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 connect the harness to a trailer connector. Refer to the following illustrations.

NOTE:

- Disconnect trailer wiring connector from the vehicle before launching a boat (or any other device plugged into vehicle's electrical connect) into water.
- Be sure to reconnect once clear from water area.

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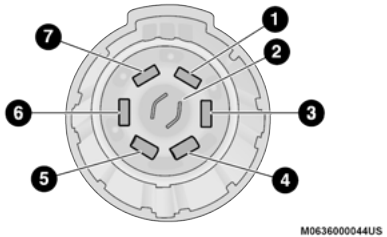
**Four-Pin Connector**

1 — Ground
2 — Park
3 — Left Stop/Turn
4 — Right Stop/Turn

4




**Seven-Pin Connector**

1 — Battery
2 — Backup Lamps
3 — Right Stop/Turn
4 — Electric Brakes
5 — Ground
6 — Left Stop/Turn
7 — Running Lamps

### Trailer Light Check

This feature will run the trailer lights through a sequence to check the trailer light function. It is available in the Instrument Cluster under the Trailer Tow menu ➪ page 118.

When activated the feature will enable all of the exterior lights sequentially for up to two minutes for time to walk around and verify functionality.

The following exterior lights will remain on for the entirety of the sequence:

- Park/Running Lamps
- Side Marker Lamps (if equipped)
- License Lamp
- Signature Lamp (if equipped)
- Low Beams
- Fog Lamps (if equipped)
- Daytime Running Lamps

During this time the following lights will sequence, each activating for three seconds:

1. Brake and CHMSL (third brake light)
2. Left turn signal
3. Right turn signal
4. Reverse Lamps
5. High Beam

This light check sequence will continue for a total of two minutes.

The sequence will only activate if the following conditions are met:

- Vehicle is equipped with the Trailer Tow Package
- Vehicle is in PARK
- Vehicle is not in motion
- Ignition in ACC or RUN
- Remote start is inactive
- Brakes are not applied
- Left turn signal is not applied
- Right turn signal not applied
- Hazard switch is not applied

The sequence will cancel if any of the following conditions occur:

- Brakes are applied
- Vehicle is shifted from PARK
- Vehicle is no longer stationary
- Left turn signal activated from stalk
- Right turn signal is activated from stalk

- Hazard switch is activated
- Any button on the key fob is pushed
- Ignition button is pushed
- High Beam stalk position is changed
- Sequence is canceled in the instrument cluster

## TOWING TIPS

Before towing, practice turning, stopping, and backing up the trailer in an area located away from heavy traffic.

### Automatic Transmission

The DRIVE range can be selected when towing. The transmission controls include a drive strategy to avoid frequent shifting when towing. However, if frequent shifting does occur while in DRIVE, select TOW/HAUL mode or select a lower gear range (using the Electronic Range Select (ERS) shift control).

NOTE:
Using TOW/HAUL mode or selecting a lower gear range (using the ERS shift control) while operating the vehicle under heavy loading conditions will improve performance and extend transmission life by reducing excessive shifting and heat build up. This action will also provide better engine braking.

### Tow/Haul Mode

To reduce potential for automatic transmission overheating, activate TOW/HAUL mode when driving in hilly areas, or select a lower gear range (using the (ERS) shift control) on more severe grades.

### 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.

### Air Suspension System

To aid in attaching/detaching the trailer from the vehicle, the air suspension system can be used ➪ page 165.

NOTE:
The vehicle must remain in the engine running position while attaching a trailer for proper leveling of the air suspension system.

## SNOWPLOW

Snowplow Prep Packages are available as a factory installed option. These packages include components necessary to equip your vehicle with a snowplow.

NOTE:
Before installation of a snowplow it is highly recommended that the owner/installer obtain and follow the recommendations contained within the current Body Builders Guide. See an authorized dealer, installer or snowplow manufacturer for this information. There are unique electrical systems that must be connected to properly ensure operator safety and prevent overloading vehicle systems.

| WARNING! |
| --- |
| Attaching a snowplow to this vehicle could adversely affect performance of the airbag system in a collision. Do not expect that the airbag will perform as described earlier in this manual. |

| CAUTION! |
| --- |
| The “Lamp Out” indicator could illuminate if exterior lamps are not properly installed. |

## Before Plowing

- Check the hydraulic system for leaks and proper fluid level.
- Check the mounting bolts and nuts for proper tightness.
- Check the runners and cutting edge for excessive wear. The cutting edge should be ¼ to ½ inches (6 cm to 1.2 cm) above ground in snow plowing position.
- Check that snowplow lighting is connected and functioning properly.

## Snowplow Prep Package Model Availability

**For Information about snowplow applications visit www.ramtrucks.com or refer to the current Body Builders Guide.**

1. The maximum number of occupants in the truck should not exceed two.
2. The total GVWR, Front GAWR or the Rear GAWR should never be exceeded.
3. Cargo capacity will be reduced by the addition of options or passengers, etc.

The loaded vehicle weight, including the snowplow system, all aftermarket accessories, driver, passengers, options, and cargo, must not exceed either the Gross Vehicle Weight (GVWR) or Gross Axle Weight (GAWR) ratings. These weights are specified on the Safety Compliance Certification Label on the driver's side door opening.

NOTE:
Detach the snowplow when transporting passengers.

Vehicle front end wheel alignment was set to specifications at the factory without consideration for the weight of the plow. Front end toe-in should be checked and reset if necessary at the beginning and end of the snowplow season. This will help prevent uneven tire wear.

The blade should be lowered whenever the vehicle is parked.

Maintain and operate your vehicle and snowplow equipment following the recommendations provided by the specific snowplow manufacturer.

## Over The Road Operation With Snowplow Attached

The blade restricts air flow to the radiator and causes the engine to operate at higher than normal temperatures. Therefore, when transporting the plow, angle the blade completely and position it as low as road or surface conditions permit. Do not exceed 40 mph (64 km/h). The operator should always maintain a safe stopping distance and allow adequate passing clearance.

## Operating Tips

Under ideal snow plowing conditions, 20 mph (32 km/h) should be maximum operating speed. The operator should be familiar with the area and surface to be cleaned. Reduce speed and use extreme caution when plowing unfamiliar areas or under poor visibility.

## General Maintenance

Snowplows should be maintained in accordance with the plow manufacturer's instructions.

Keep all snowplow electrical connections and battery terminals clean and free of corrosion.

When plowing snow, to avoid transmission and drivetrain damage, the following precautions should be observed:

- Operate with transfer case in 4WD Low when plowing small or congested areas where speeds are not likely to exceed 15 mph (24 km/h). At higher speeds operate in 4WD High.
- Vehicles with automatic transmissions should use 4WD Low when plowing deep or heavy snow for extended periods of time to avoid transmission overheating.
- Do not shift the transmission unless the engine has returned to idle and wheels have stopped. Make a practice of stepping on the brake pedal while shifting the transmission.

# RECREATIONAL TOWING (BEHIND MOTORHOME)

## TOWING THIS VEHICLE BEHIND ANOTHER VEHICLE

| Towing Condition | Wheels OFF The Ground | Two-Wheel Drive Models | Four-Wheel Drive Models |
|---|---|---|---|
| Flat Tow | NONE | **NOT ALLOWED** | **See Instructions**<br>● Transmission in PARK<br>● Transfer case in NEUTRAL (N)<br>● Tow in forward direction |
| Dolly Tow | Front | **NOT ALLOWED** | **NOT ALLOWED** |
| | Rear | OK | **NOT ALLOWED** |
| On Trailer | ALL | 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 Active-Level Four Corner Air Suspension must be placed in Transport mode before tying them down (from the body) on a trailer or flatbed truck ➪ page 165. 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.

## 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:

**NOTE:**
If vehicle is equipped with air suspension, ensure the vehicle is set to Normal Ride Height.

1. Properly secure the dolly to the tow vehicle, following the dolly manufacturer's instructions.
2. Drive the rear wheels onto the tow dolly.
3. Apply the parking brake. Place the transmission in PARK.

4. Properly secure the rear wheels to the dolly, following the dolly manufacturer's instructions.
5. Turn the ignition OFF.
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 — FOUR-WHEEL DRIVE MODELS

**NOTE:**
The transfer case must be shifted into N (Neutral) for recreational towing. The transmission must be shifted into PARK for recreational towing. Refer to the following for the proper transfer case N (Neutral) shifting procedure for your vehicle.

**CAUTION!**

- DO NOT dolly tow any 4WD 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 wheels either ON the ground, or OFF the ground (using a vehicle trailer).
- Tow only in the forward direction. Towing this vehicle backwards can cause severe damage to the transfer case.
- Before recreational towing, the transfer case must be in N (Neutral). To be certain the transfer case is fully in N (Neutral), perform the procedure outlined under “Shifting Into N (Neutral)”. Internal transmission damage will result, if the transfer case is not in N (Neutral) during towing.
- The transmission must be in PARK for recreational towing.

*(Continued)*

**CAUTION!** *(Continued)*

- Ensure that the Electric Park Brake is released, and remains released, while being towed.
- Towing this vehicle in violation of the above 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 disconnect the rear driveshaft because fluid will leak from the transfer case, causing damage to internal parts.
- Do not use a bumper-mounted clamp-on tow bar on your vehicle. The bumper face bar will be damaged.

## Shifting Into N (Neutral)

Use the following procedure to prepare your vehicle for recreational towing.

**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 driveshafts from the power-train 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.

**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.

1. Bring the vehicle to a complete stop on level ground, with the engine running. Apply the parking brake.
2. Press and hold the brake pedal.
3. Shift the transmission to NEUTRAL. The driver's door must be closed (or the driver's seat belt buckled) so that the transmission will remain in NEUTRAL when the brake pedal is released.

**NOTE:**
If vehicle is equipped with air suspension, ensure the vehicle is set to Normal Ride Height.

4. Using a ballpoint pen or similar object, push and hold the recessed transfer case N (Neutral) button (at the center of the transfer case switches). The N (Neutral) indicator light will illuminate, and remain lit, when the shift to N (Neutral) is complete. After the shift is completed and the N (Neutral) light stays on, release the N (Neutral) button.
5. Release the parking brake.
6. Shift the transmission into REVERSE.
7. Release the brake pedal for five seconds and ensure that there is no vehicle movement.
8. Repeat steps 6 and 7 with the transmission in DRIVE.
9. Shift the transmission to NEUTRAL. Apply the parking brake. Turn off the engine. For vehicles with Keyless Enter-N-Go, push and hold the ENGINE START/STOP button until the engine shuts off. The transmission will automatically select PARK when the engine is turned off.
10. Turn the ignition off.
11. Attach the vehicle to the tow vehicle using a suitable tow bar.
12. Turn the ignition to the ON/RUN mode, but do not start the engine.
13. Release the parking brake.
14. Turn the ignition OFF.

NOTE:

- Steps 2 and 3 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 mode for a shift to take place and for the position indicator lights to be operable. If the ignition is not in the ON/RUN mode, 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 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.

## 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. Press and hold the brake pedal.
3. Start the engine. Apply the parking brake. Shift the transmission into NEUTRAL.
4. Using a ballpoint pen or similar object, push and hold the recessed transfer case N (Neutral) button (at the center of the transfer case switches).
5. When the N (Neutral) indicator light turns off, release the N (Neutral) button.
6. Turn the engine off. The transmission will automatically select PARK when the engine is turned off.
7. Release the brake pedal.
8. Disconnect vehicle from the tow vehicle.
9. Press and hold the brake pedal.
10. Start the engine.
11. Release the parking brake.
12. Shift the transmission into DRIVE, release the brake pedal, and check that the vehicle operates normally.

NOTE:

- Steps 3 and 4 are requirements that must be met before pushing the button to shift out of N (Neutral), and must continue to be met until the shift has been completed. If any of these requirements are not met before pushing the 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 button is released.
- The ignition must be in the ON/RUN mode for a shift to take place and for the position indicator lights to be operable. If the ignition is not in the ON/RUN mode, 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.

# DRIVING TIPS

## DRIVING ON SLIPPERY SURFACES

### Acceleration

Rapid acceleration on snow covered, wet, or other slippery surfaces may cause the driving wheels to pull erratically to the right or left. This phenomenon occurs when there is a difference in the surface traction under the rear (driving) wheels.

**WARNING!**

Rapid acceleration on slippery surfaces is dangerous. Unequal traction can cause sudden pulling of the rear wheels. You could lose control of the vehicle and possibly have a collision. Accelerate slowly and carefully whenever there is likely to be poor traction (ice, snow, wet, mud, loose sand, etc.).

## DRIVING THROUGH WATER

Driving through water more than a few inches/centimeters deep will require extra caution to ensure safety and prevent damage to your vehicle.

### Flowing/Rising Water

**WARNING!**

Do not drive on or across a road or path where water is flowing and/or rising (as in storm run-off). Flowing water can wear away the road or path's surface and cause your vehicle to sink into deeper water. Furthermore, flowing and/or rising water can carry your vehicle away swiftly. Failure to follow this warning may result in injuries that are serious or fatal to you, your passengers, and others around you.

### Shallow Standing Water

Although your vehicle is capable of driving through shallow standing water, consider the following Cautions and Warnings before doing so.

**WARNING!**

- Driving through standing water limits your vehicle's traction capabilities. Do not exceed 5 mph (8 km/h) when driving through standing water.

*(Continued)*

**WARNING!** *(Continued)*

- Driving through standing water limits your vehicle's braking capabilities, which increases stopping distances. Therefore, after driving through standing water, drive slowly and lightly press on the brake pedal several times to dry the brakes.
- Failure to follow these warnings may result in injuries that are serious or fatal to you, your passengers, and others around you.

**CAUTION!**

- Always check the depth of the standing water before driving through it. Never drive through standing water that is deeper than the bottom of the tire rims mounted on the vehicle.
- Determine the condition of the road or the path that is under water and if there are any obstacles in the way before driving through the standing water.
- Do not exceed 5 mph (8 km/h) when driving through standing water. This will minimize wave effects.

*(Continued)*

**CAUTION!** *(Continued)*

- Driving through standing water may cause damage to your vehicle's drivetrain components. Always inspect your vehicle's fluids (i.e., engine oil, transmission, axle, etc.) for signs of contamination (i.e., fluid that is milky or foamy in appearance) after driving through standing water. Do not continue to operate the vehicle if any fluid appears contaminated, as this may result in further damage. Such damage is not covered by the New Vehicle Limited Warranty.
- Getting water inside your vehicle's engine can cause it to lock up and stall out, and cause serious internal damage to the engine. Such damage is not covered by the New Vehicle Limited Warranty.

## OFF-ROAD DRIVING TIPS

Care should be taken when attempting to climb steep hills or driving diagonally across a hill or slope. If natural obstacles force you to travel diagonally up or down a hill, choose a mild angle and keep as little side tilt as possible. Keep the vehicle moving and make turns slowly and cautiously.

If you must back down a hill, back straight down using REVERSE gear. Never back down in NEUTRAL or diagonally across the hill.

When driving over sand, mud, and other soft terrain, shift to low gear and drive steadily. Apply the accelerator slowly to avoid spinning the wheels.

Do not reduce the tire pressures for this type of driving.

### 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.

# MULTIMEDIA

## UCONNECT SYSTEMS

For detailed information about your Uconnect 4C/4C NAV with 8.4-inch Display system or your Uconnect 4C NAV with 12-inch Display system, refer to your Uconnect Owner's Manual Supplement.

**NOTE:**
Uconnect screen images are for illustration purposes only and may not reflect exact software for your vehicle.

## CYBERSECURITY

Your vehicle may be a connected vehicle and may be equipped with both wired and wireless networks. These networks allow your vehicle to send and receive information. 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. Similar to a computer or other devices, your vehicle may require software updates to improve the usability and performance of your systems or to reduce the potential risk of unauthorized and unlawful access to your vehicle systems.

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!**

- 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.
- ONLY insert media (e.g., USB, SD card, or CD) into your vehicle if it came from a trusted source. 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.

*(Continued)*

**WARNING!** *(Continued)*

- As always, if you experience unusual vehicle behavior, take your vehicle to your nearest authorized dealer immediately.

**NOTE:**

- FCA US LLC or your dealer may contact you directly regarding software updates.
- To help further improve vehicle security 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.
  - Only connect and use trusted media devices (e.g. personal mobile phones, USBs, CDs).

Privacy of any wireless and wired communications cannot be assured. Third parties may unlawfully intercept information and private communications without your consent. For further information, refer to "Data Collection & Privacy" in your Uconnect Owner's Manual Supplement or ➪ page 137.

# UCONNECT SETTINGS

The Uconnect system uses a combination of buttons on the touchscreen and buttons on the faceplate located on the center of the instrument panel. These buttons allow you to access and change the Customer Programmable Features. Many features can vary by vehicle.

Buttons on the faceplate are located below and/or beside the Uconnect system in the center of the instrument panel. In addition, there is a Scroll/Enter control knob located on the right side. Turn the control knob to scroll through menus and change settings. Push the center of the control knob one or more times to select or change a setting.

Your Uconnect system may also have Screen Off and Mute buttons on the faceplate.

Push the Screen Off button on the faceplate to turn off the Uconnect screen. Push the button again or tap the screen to turn the screen on.

Press the Back Arrow button to exit out of a Menu or certain option on the Uconnect system.

## CUSTOMER PROGRAMMABLE FEATURES

**Uconnect 4C NAV With 12-inch Display Touchscreen And Faceplate Buttons**

1 — Uconnect Buttons On The Touchscreen
2 — Uconnect Buttons On The Faceplate

### For the Uconnect 3 With 5-inch Display, the Uconnect 4/4C NAV With 8.4-inch Display, and Uconnect 4C NAV With 12-inch Display

Press the Apps button, then press the Settings button on the touchscreen to display the menu setting screen. In this mode the Uconnect system allows you to access programmable features.

NOTE:

- Depending on the vehicle's options, feature settings may vary.
- All settings should be changed with the ignition in the ON/RUN position.

When making a selection, only press one button at a time to enter the desired menu. Once in the desired menu, press and release the preferred setting "option" until a check mark appears next to the setting, showing that setting has been selected. Once the setting is complete, press the X button on the touchscreen to close out of the settings screen. Pressing the Up or Down Arrow button on the right side of the screen will allow you to toggle up or down through the available settings.

## Language

When the Language button is pressed on the touchscreen, the system displays the different language options. Once an option is selected, the system will display in the chosen language. The available setting is:

| Setting Name | Description |
|---|---|
| Language | This setting will change the language of the Uconnect system. The available languages are English, Français, and Español. |

## Display

When the Display button is pressed on the touchscreen, the system will display the options related to the theme (if equipped), brightness, and color of the touchscreen. The available settings are:

| Setting Name | Description |
|---|---|
| Display Mode | This setting will allow you to set the brightness manually or have the system set it automatically. The “Auto” setting has the system automatically adjust the display brightness. The “Manual” setting will allow the user to adjust the brightness of the display. |
| Display Brightness With Headlights ON/Brightness | This setting will allow you to set the brightness when the headlights are on. To access this setting, Display Mode must be set to Manual. The “+” setting will increase the brightness; the “-” will decrease the brightness. |
| Display Brightness With Headlights OFF/Brightness | This setting will allow you to set the brightness when the headlights are off. To access this setting, Display Mode must be set to Manual. The “+” setting will increase the brightness; the “-” will decrease the brightness. |
| Set Theme — If Equipped | This setting will allow you to change the display theme. |

| Setting Name | Description |
|---|---|
| Keyboard — If Equipped | This setting will change the keyboard type on the display. The selectable keyboards are ABCDEF Keyboard, QWERTY Keyboard, and AZERTY Keyboard. |
| Touchscreen Beep | This setting will allow you to turn the touchscreen beep on or off. |
| Control Screen Timeout | This setting allows you to set the Control Screen to turn off automatically after five seconds or stay open until manually closed. |
| Navigation Next Turn Pop-ups Displayed in Cluster — If Equipped | This setting will display navigation prompts in the Instrument Cluster Display. |
| Phone Pop-ups Displayed In Cluster | This setting will display smartphone notifications and messages in the Instrument Cluster Display. |
| Fuel Saver Display | This setting will enable fuel saver mode in the Instrument Cluster Display. |
| Ready To Drive Pop-ups — If Equipped | This setting will enable the Ready To Drive Pop-ups in the Instrument Cluster Display. |

## Units

When the Units button is pressed on the touchscreen, the system displays the different measurement options. The selected unit of measurement will display in the instrument cluster display and Navigation system (if equipped). The available settings are:

| Setting Name | Description |
|---|---|
| US | This setting will change the unit of measurement on the display to US. |
| Metric | This setting will change the unit of measurement on the display to Metric. |
| Custom | This setting changes the “Speed” (MPH or km/h), “Distance” (mi or km), “Fuel Consumption” (MPG [US], MPG [UK], L/100 km, or km/L), “Pressure” (psi, kPa, or bar), “Temperature” (°C or °F), and “Capacity” (Gal [US], Gal [UK], or L) units of measurement independently. |

## Voice

When the Voice button is pressed on the touchscreen, the system displays the options related to the vehicle’s Voice Recognition feature.

| Setting Name | Description |
|---|---|
| Voice Response Length | This setting will change the response length for the Voice Recognition system. The “Brief” setting provides a shortened audio description from the system. The “Detailed” setting provides the full audio description from the system. |
| Show Command List | This setting will allow you to turn the command list on or off. The “Always” setting will always show the command list. The “With Help” setting will show the command list and provide a brief description of what the command does. The “Never” setting will turn the command list off. |

## Clock

When the Clock button is pressed on the touchscreen, the system displays the different options related to the vehicle's internal clock.

| Setting Name | Description |
|---|---|
| Sync Time With GPS | This setting will sync the time to the GPS receiver in the system. The system will control the time via the GPS location. |
| Set Time And Format/Time Format | This setting will allow you to set the time format (AM/PM). Sync Time With GPS must be off for this setting to be available. The "12 hrs" setting will set the time to a 12-hour format. The "24 hrs" setting will set the time to a 24-hour format. |
| Set Time Hours | This setting will allow you to set the hours. Sync Time With GPS must be off for this setting to be available. The "+" setting will increase the hours. The "-" setting will decrease the hours. |
| Set Time Minutes | This setting will allow you to set the minutes. Sync Time With GPS must be off for this setting to be available. The "+" setting will increase the minutes. The "-" setting will decrease the minutes. |
| Show Time in Status Bar | This setting will place the time in the radio's status bar. |



## Camera — If Equipped

When the Camera button is pressed on the touchscreen, the system displays the options related to the vehicle's camera features.

| Setting Name | Descriptions |
|---|---|
| Surround View Camera Delay | This setting will add a timed delay to the surround view camera when shifting out of reverse. |
| Surround View Camera Guidelines | This setting will turn the surround view camera guidelines on or off. |

| Setting Name | Descriptions |
|---|---|
| ParkView Backup Camera Delay | This setting will add a timed delay to the rear backup camera when shifting out of reverse. |
| ParkView Backup Camera Active Guidelines | This setting will turn the backup camera active guidelines on or off. |
| ParkView Backup Camera Fixed Guidelines | This setting will turn the backup camera fixed guidelines on or off. |

## Safety/Driving Assistance

When the Safety/Driving Assistance button is selected on the touchscreen, the system displays the options related to the vehicle's safety settings. These options will differ depending on the features equipped on the vehicle. The settings may display in list form or within subfolders on the screen. To access a subfolder, select the desired folder; the available options related to that feature will then display on the screen.

| Setting Name | Description |
|---|---|
| Forward Collision Warning Sensitivity | This setting will change the distance at which the Forward Collision Warning (FCW) alert sounds. The "Medium" setting will have the FCW system signal when an object is in view, and the possibility of a collision is detected. The "Near" setting will have the FCW system signal when the object is closer to the vehicle. The "Far" setting will have the FCW system signal when an object is at a far distance from the vehicle. |
| Forward Collision Warning | This setting will turn the Forward Collision Warning system on or off. The "Off" setting will deactivate the FCW system. The "Warning Only" setting will provide only an audible chime when a collision is detected. The "Warning + Active Braking" setting will provide an audible chime and apply some brake pressure when a collision is detected. |
| Pedestrian Emergency Braking | This setting will turn the Pedestrian Emergency Braking system on or off. |

| Setting Name | Description |
|---|---|
| LaneSense Warning | This setting will change the distance at which the steering wheel will provide lane departure feedback. The available settings are “Early”, “Medium”, and “Late”. |
| LaneSense Strength | This setting will change the strength of the steering wheel feedback during a lane departure. The available setting are “Low”, “Medium”, and “High”. |
| ParkSense | This setting will change the type of ParkSense alert when a close object is detected. The “Sound Only” setting will provide an audible chime when an object is detected. The “Sound and Display” setting will provide both an audible chime and a visual display when an object is detected. |
| Front ParkSense Volume | This setting adjusts the volume of the Front ParkSense system. The available settings are “Low”, “Medium”, and “High”. |
| Rear ParkSense Volume | This setting adjusts the volume of the Rear ParkSense system. The available settings are “Low”, “Medium”, and “High”. |
| Rear ParkSense Braking Assist | This setting will turned the Rear ParkSense Braking Assist on or off. |
| Blind Spot Alert | This setting will change the type of alert provided when an object is detected in a vehicle’s blind spot. The “Off” setting will turn off Blind Spot Alert. The “Lights” setting will activate the Blind Spot Alert lights on the outside mirrors. The “Lights & Chime” setting will activate both the lights on the outside mirrors and an audible chime. |
| Trailer Length For Blind Spot Alert | This setting will auto detect the length of an attached trailer. The “Auto” setting will have the system automatically set the trailer length. The “Max” setting will always set the length to the maximum 39.5 ft (12 m). |
| Hill Start Assist | This setting will turn the Hill Start Assist system on or off. |

| Setting Name | Description |
|---|---|
| ParkView Backup Camera Delay | This setting will add a timed delay to the rear backup camera when shifting out of reverse. |
| ParkView Backup Camera Active Guidelines | This setting will turn the Backup Camera Active Guidelines on or off. |
| ParkView Backup Camera Fixed Guidelines | This setting will turn the Backup Camera Fixed Guidelines on or off. |
| Tire Fill Assist | This setting will turn Tire Fill Assist on or off. |
| Power Side Step — If Equipped | This setting will raise and lower or stow the power side steps. The available options are “Automatic” to raise and lower the power side steps or “Stow” to deactivate the power side steps. |

## Mirrors & Wipers — If Equipped

When the Mirrors & Wipers button is pressed on the touchscreen, the system displays the options related to the vehicle’s mirrors and wipers.

| Setting Name | Description |
|---|---|
| Tilt Side Mirrors In Reverse | This setting will tilt the outside side-view mirrors when the ignition is in the ON/RUN position and the transmission gear selector is in the REVERSE position. The mirrors will move back to their previous position when the transmission is shifted out of REVERSE. The available settings are “On” and “Off”. |
| Rain Sensing Auto Wipers | This setting will turn the rain sensing auto wipers on or off. |
| Headlights With Wipers | This setting will turn the headlights on when the wipers are activated. |

## Brakes

After pressing the Brakes button on the touchscreen, the following settings will be available:

| Setting Name | Selectable Options |
|---|---|
| Auto Park Brake | This setting will turn the Auto Park Brake on or off. |
| Brake Service | This setting will allow you to retract the brakes for servicing. |

## Lights

When the Lights button is pressed on the touchscreen, the system displays the options related to the vehicle's exterior and interior lights.

NOTE:
When the "Daytime Running Lights" feature is selected, the daytime running lights can be turned on or off. This feature is only allowed by law in the country of the vehicle purchased.



| Setting Name | Description |
|---|---|
| Headlight Off Delay | This setting will allow you to set the amount of time it takes for the headlights to shut off after the vehicle is turned off. The available settings are "0 sec", "30 sec", "60 sec", and "90 sec". |
| Headlight Illumination On Approach | This setting will allow you to set the amount of time it takes for the headlights to shut off after the vehicle is unlocked. The available settings are "0 sec", "30 sec", "60 sec", and "90 sec". |
| Headlights with Wipers | This setting will turn the headlights on when the wipers are activated. |
| Daytime Running Lights | This setting will allow you to turn the Daytime Running Lights on or off. |
| Flash Lights With Lock | This setting will allow you to turn the flashing of the lights when the Lock button is pushed on the key fob on or off. |

| Setting Name | Description |
|---|---|
| Auto Dim High Beams — If Equipped | This setting will allow you to turn the Auto Dim High Beams on or off. |
| Steering Directed Lights — If Equipped | This setting will turn the headlights with the steering wheel. The available options are “On” or “Off”. |

## Doors & Locks

When the Doors & Locks button is pressed on the touchscreen, the system displays the options related to locking and unlocking the vehicle’s doors.

| Setting Name | Description |
|---|---|
| Auto Door Locks | This setting will allow you to change if the doors lock automatically when the vehicle reaches 12 mph (19 km/h). |
| Auto Unlock On Exit | This setting will unlock the doors when any of the doors are opened from the inside. |
| Flash Lights With Lock | This setting will allow you to turn the flashing of the lights when the Lock button is pushed on the key fob on or off. |
| Sound Horn With Lock | This setting will sound the horn when the Lock button is pushed on the key fob. The “Off” setting will not sound the horn when the Lock button is pushed. The “1st Press” setting will sound the horn when the Lock button is pushed once. The “2nd Press” setting will sound the horn when the Lock button is pushed twice. |
| Sound Horn With Remote Start | This setting will sound the horn when the remote start is activated from the key fob. |

| Setting Name | Description |
|---|---|
| Remote Door Unlock, Door Lock/1st Press Of Key Fob Unlocks | This setting will change how many pushes of the Unlock button on the key fob are needed to unlock all the doors. The “Driver Door” setting will only unlock the driver door on the first push on the Unlock button. The “All Doors” setting will unlock all doors with only one push of the Unlock button. |
| Passive Entry — If Equipped | This setting will allow you to turn the Passive Entry feature (Keyless Enter-N-Go) on or off. |
| Personal Settings Linked To Key Fob — If Equipped | This setting will recall preset radio stations and driver seat position that have been linked to the key fob. |



## Power Side Steps — If Equipped

When the Power Side Steps button is pressed on the touchscreen, the system will display setting related to the lowering of the power side steps.

| Setting Name | Description |
|---|---|
| Power Side Steps | This setting will raise and lower or stow the power side steps. The available options are “Automatic” to raise and lower the power side steps and “Stow” to deactivate the power side steps. |

## Seats & Comfort/Auto-On Comfort Systems — If Equipped

When Seats & Comfort/Auto-On Comfort Systems button is pressed on the touchscreen, the system displays the options related to the vehicle's comfort systems when remote start has been activated or the vehicle has been started.

| Setting Name | Description |
|---|---|
| Auto-On Driver Heated/Ventilated Seat & Heated Steering Wheel With Vehicle Start | This setting will activate the vehicle's comfort systems and heated seats (if equipped) or heated steering wheel (if equipped) when the vehicle is remote started or ignition is started. The "Off" setting will not activate the comfort systems. The "Remote Start" setting will only activate the comfort systems when using Remote Start. The "All Start" setting will activate the comfort systems whenever the vehicle is started. |
| Easy Exit Seats | This setting will automatically move the driver seat rearward when the engine is shut off. The available settings are "On" and "Off". |

## Key Off Options/Engine Off Options

When the Key Off Options/Engine Off Options button is pressed on the touchscreen, the system displays the options related to vehicle shutoff. These settings will only activate when the ignition is set to OFF.

| Setting Name | Description |
|---|---|
| Easy Exit Seat | This setting adjusts the seats to make exiting the vehicle easier. |
| Engine Off Power Delay | This setting will keep certain electrical features running after the engine is turned off. When any door is opened, the electronics will deactivate. The available settings are "0 sec", "45 sec", "5 min", and "10 min". |

| Setting Name | Description |
|---|---|
| Headlight Off Delay | This setting will allow you to set the amount of time the headlights remain on after the vehicle has been turned off. The “+” will increase the amount of time. The “-” will decrease the amount of time. |
| Auto Entry/Exit — If Equipped | This setting will automatically lower the vehicle ride height for easier entry and exit of the vehicle. |

### Suspension/Air Suspension — If Equipped

When the Suspension/Air Suspension button is pressed on the touchscreen, the system will display settings related to the vehicle’s air suspension.

| Setting Name | Description |
|---|---|
| Sound Horn With Lower | This setting will sound the horn when the Lower button is pressed on the key fob. |
| Flash Lights With Lower | This setting will flash the lights when the Lower button is pressed on the key fob. |
| Display Suspension Messages | This setting will display suspension messages in the Instrument Cluster Display. The “All” setting will display all available messages. The “Warnings Only” setting will only display warning messages. |
| Aero Mode | This setting will automatically adjust the vehicle ride height depending on the vehicle speed. |
| Tire Jack Mode | This setting will disable the air suspension system to assist in changing a spare tire. |
| Transport Mode | This setting will disable the air suspension system for flat towing. |

| Setting Name | Description |
|---|---|
| Wheel Alignment Mode | This setting must be activated before performing a wheel alignment. Refer to an authorized dealer for further information. |
| Four Corner Air Suspension Modes | There are three air suspension modes designed to protect the system in unique situations. Tire Jack Mode is selected to assist in changing a spare tire. Transport Mode is selected to assist when the vehicle is being flat bed towed. Wheel Alignment Mode is selected before performing a wheel alignment. Refer to an authorized dealer for information. |

## AUX Switches — If Equipped

When the AUX Switches button is pressed on the touchscreen, the system displays the options related to the four vehicle AUX switches.

| Setting Name | Description |
|---|---|
| AUX 1-4 | This setting will adjust the type and power source for the four vehicle AUX switches. There are two types: “Latching” and “Momentary”. The power source for the AUX switches can either be set to run off the “Battery” or from the “Ignition”. In addition to setting the type and power source, you can set if the vehicle will recall the previous state at which the AUX switches were set. The Recalled Last State setting can be set to “On” or “Off”. Last state conditions are met only if the type is set to Latching and the power source is set to Ignition. |

### Trailer Brake/Trailer

When the Trailer Brake/Trailer button is pressed on the touchscreen, the system will display settings related to trailer towing.

| Setting Name | Description |
|---|---|
| **Trailer Select** | Select from Trailer 1, Trailer 2, Trailer 3, and Trailer 4. These trailer designations can be used to save different trailer settings. |
| **Trailer Brake Type** | This setting will set the system to a specific trailer type. The available options are “Light Electrics”, “Heavy Electric”, “Light Electric-Over-Hydraulic”, and “Heavy Electric-Over-Hydraulic”. |
| **Trailer Name** | This setting will personalize the trailer name depending on the type of trailer you are hauling. Select the trailer name from the following list: trailer, boat, car, cargo, dump, equipment, flatbed, gooseneck, horse, livestock, motorcycle, snowmobile, travel, utility, and 5th wheel. |



### Audio

When the Audio button is pressed on the touchscreen, the system displays options related to the vehicle’s sound system. These settings can change the audio location within the vehicle, adjust the bass or treble levels, and auto-play settings from an audio device or smartphone.

| Setting Name | Description |
|---|---|
| **Balance/Fade** | This setting will adjust audio levels from specific speakers in the front/back and left/right of the vehicle. The Speaker icon can be moved to set audio location. |
| **Equalizer** | This setting will adjust the “Bass”, “Mid”, and “Treble” ranges of the audio. |

| Setting Name | Description |
|---|---|
| Speed Adjusted Volume | This setting will adjust audio volume as speeds increase. At a higher setting, the volume will increase more as the vehicle speeds up. The available setting are “Off”, “1”, “2”, and “3”. |
| Surround Sound — If Equipped | This setting will turn the Surround Sound system on or off. |
| AUX Volume Offset | This setting will tune the audio levels from a device connected through the AUX port. The available settings are “+” and “-”. |
| Auto Play | This setting will automatically begin playing audio from a connected device. |
| Loudness | This setting will improve audio quality at lower volumes. |

## Phone/Bluetooth®

When the Phone/Bluetooth® button is pressed on the touchscreen, the system displays the options related to Bluetooth® connectivity from an external audio device or smartphone. The list of paired audio devices or smartphones can be accessed from this menu.

| Setting Name | Description |
|---|---|
| Phone Pop-Ups Displayed In Cluster | This setting will activate phone message pop-ups in the instrument cluster display. |
| Do Not Disturb | This setting will open the “Do Not Disturb” settings menu. The settings are Auto Reply (both, text, call), Auto Reply Message (custom, default), and Custom Auto Reply Message (create message). |
| Paired Phones | This setting will show the list of paired phones. |
| Paired Audio Sources | This setting will show the list of paired audio sources. |
| Paired Phones And Audio Devices | This setting will show the list of paired phones and audio devices. |

## SiriusXM® Setup

NOTE:
A subscription to SiriusXM® satellite radio is required for these settings to be functional.

When the SiriusXM® Setup button is pressed on the touchscreen, the system displays options related to SiriusXM® satellite radio. These settings can be used to skip specific radio channels and restart favorite songs from the beginning.

| Setting Name | Selectable Options |
|---|---|
| Tune Start | This setting will play the current song from the beginning when you tune to a music channel using one of the 12 presets. |
| Channel Skip | This setting allows you to set channels that you wish to skip. A channel list will display of the skipped channels. |
| Subscription Information | This menu provides SiriusXM® subscription information. SiriusXM® Travel Link is a separate subscription. |



## Reset/Restore Settings To Default

When the Reset/Restore Settings To Default button is pressed on the touchscreen, the system displays the options related to resetting the Uconnect system back to its default settings. These settings can clear personal data and reset selected settings from other menus.

| Setting Name | Description |
|---|---|
| Restore Settings | This setting will return all the previously changed settings to their factory default. |
| Reset App Drawer | This setting will reset the app drawer to its factory default layout. |
| Clear Personal Data | This setting will display a pop-up that gives you the option to clear all personal data from the system, including Bluetooth® devices and presets. |

# HEAD-UP DISPLAY (HUD)

The Head-Up Display layout on the instrument cluster can be customized through the Uconnect touchscreen. Each customized layout can be saved to the Driver Profiles that are created by the different drivers.

This feature is only accessed through the instrument cluster display once the “Custom” option is selected through the “Content & Layout” tab. To begin customizing the HUD layout through the instrument cluster display, follow these steps:

1. Through the instrument cluster display, using the Up and Down Arrow buttons on the steering wheel, select the Content & Layout option by pressing the OK button on the steering wheel.

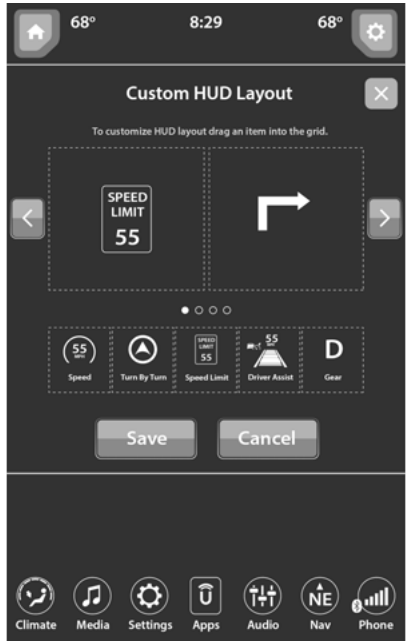
**NOTE:**
This option will not be available if the vehicle is going more than 5 mph (8 km/h).

2. Select the Custom option by pushing the Right Arrow button on the steering wheel.

**NOTE:**
A message will appear on the instrument cluster display stating “Set Custom Layout in Radio”.

On the Uconnect touchscreen, you can select between four different custom layouts: Two icons, Three icons, Four icons, and Five icons. Press the Right or Left Arrow buttons, or the dots towards the bottom of the screen, to change your layout.

With your desired layout selected, you can drag and drop the available icons into the desired zones to customize the layout of your display.




**HUD Layout**

The following are the available icons that can be customized in the cluster:

| Feature Name | Icon | Description |
|---|---|---|
| Speed | | This icon will show the vehicle's current speed. |
| Turn-By-Turn — If Equipped | | This icon will show the upcoming direction for Navigation. |
| Speed Limit | | This icon will show the current speed limit of the area you are driving in. |
| Driver Assist/Adaptive Cruise Control/Cruise Control And Lane Sense — If Equipped | | This icon will show information related to Driver Assist, Adaptive Cruise Control, Cruise Control, and Lane Sense. |
| Gear | | This icon will show the current gear the vehicle is in. |

NOTE:

- After the HUD layout customization is completed, press the Save button located in the upper left corner of the touchscreen, and then the OK button under the "Save changes?" screen. Once saved, the instrument cluster will display a message "Setting Saved".
- Press the X button located in the upper right corner of the touchscreen, and then press the Cancel button to exit out of customizing the HUD layout. Doing this will not retain any information customized in the layout view. The instrument cluster display will return to the layout options screen.
- Pressing any other menu item on the touchscreen, for example "Climate", will take the user back to whatever screen they were previously on before accessing the HUD layout ➪ page 118.

# UCONNECT INTRODUCTION

## SYSTEM OVERVIEW

**Uconnect 3 With 5-inch Display**

1 — Radio Button
2 — Compass Button
3 — Media Button
4 — Settings Button
5 — Phone Button
6 — More Button
7 — Volume & On/Off
8 — Mute Button
9 — Screen Off Button
10 — Enter/Browse & Tune/Scroll Knob

**NOTE:**
Uconnect screen images are for illustration purposes only and may not reflect exact software for your vehicle.

| Feature | Description |
|---|---|
| Radio/Media | Press the Radio button or Media button to enter Radio Mode/Media Mode and access the radio functions and external audio sources ➪ page 259. |
| Phone | Press the Phone button to enter Phone Mode and access the hands-free phone system ➪ page 271. |
| Settings | Press the Settings button to access the Uconnect Settings ➪ page 237. |
| TUNE BROWSE ENTER SCROLL | Push the Enter/Browse button on the faceplate to accept a highlighted selection on the screen. Rotate the Tune/Scroll rotary knob to scroll through a list or tune a radio station. |
| SCREEN OFF | Push the Screen Off button on the faceplate to turn the screen on or off. |
| MUTE | Push the Mute button on the faceplate to turn the audio of the radio system off. Push it again to turn the audio back on. |
| VOLUME | Rotate the rotary knob to adjust the volume. Push the Volume & On/Off button on the faceplate to turn the system on or off. |

| Feature | Description |
|---|---|
| Compass | Press the Compass button to access the vehicle's compass. |
| More | Press the More button to access additional options. |

## Safety And General Information

### Safety Guidelines

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

Please read this manual carefully before using the system. It contains instructions on how to use the system in a safe and effective manner.

**Do NOT attach any object to the touchscreen. Doing so can result in damage to the touchscreen.**

Please read and follow these safety precautions. Failure to do so may result in injury or property damage.

- Glance at the screen only when safe to do so. If prolonged viewing of the screen is required, park in a safe location and set the parking brake.
- Stop use immediately if a problem occurs. Failure to do so may cause injury or damage to the product. See an authorized dealer for repair.
- Ensure the volume level of the system is set to a level that still allows you to hear outside traffic and emergency vehicles.

### Safe Usage Of The Uconnect System

- The Uconnect system is a sophisticated electronic device. Do not let young children use the system.
- Permanent hearing loss may occur if you play your music or sound system at loud volumes. Exercise caution when setting the volume on the system.
- Keep drinks, rain and other sources of moisture away from the system. Besides damage to the system, moisture can cause electric shocks as with any electronic device.

**NOTE:**
Many features of this system are speed dependent. For your own safety, it is not possible to use some of the touchscreen features while the vehicle is in motion.

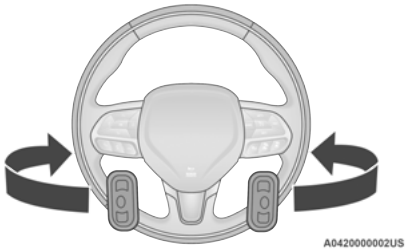
### Care And Maintenance

- Do not press the touchscreen with any hard or sharp objects (pen, USB stick, jewelry, etc.), which could scratch the surface.
- Do not spray any liquid or chemicals directly on the screen! Use a clean and dry microfiber lens cleaning cloth in order to clean the touchscreen.
- If necessary, use a lint-free cloth dampened with a cleaning solution, such as isopropyl alcohol or an isopropyl alcohol and water solution ratio of 50:50. Be sure to follow the solvent manufacturer's precautions and directions ➪ page 482.

# UCONNECT MODES

## STEERING WHEEL AUDIO CONTROLS

The remote sound system controls are located on the rear surface of the steering wheel at the three and nine o'clock positions.




**Remote Sound System Controls**

The right-hand control is a rocker-type switch with a push button in the center and controls the volume and mode of the sound system. Pushing the top of the rocker switch will increase the volume, and pushing the bottom of the rocker switch will decrease the volume.

Pushing the center button will make the radio switch between the various modes available (AM/FM/SXM or Media, etc.).

The left-hand control is a rocker-type switch with a push button in the center. The function of the left-hand control is different depending on which mode you are in.

The following describes the left-hand control operation in each mode:

### Radio Operation

Pushing the top of the switch will Seek Up for the next available station and pushing the bottom of the switch will Seek Down for the next available station.

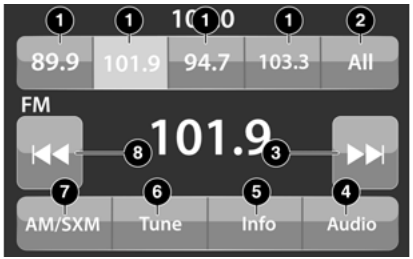
The button located in the center of the left-hand control will tune to the next preset station that you have programmed in the radio presets.

### Media Mode

Pushing the top of the switch skips to the next track on the selected media (AUX/USB/Bluetooth®). Pushing the switch up twice will go forward two tracks. Pushing the bottom switch goes to the beginning of the current track, or the beginning of the previous track if it is within eight seconds after the current track begins to play. Double pressing the bottom button switch will skip to the previous track if it is after eight seconds into the current track.

## RADIO MODE

### Radio Controls




**Uconnect 3 With 5-inch Display**

1 — Preset Radio Stations
2 — All Preset Radio Stations
3 — Seek Up ▶▶|
4 — Audio Settings
5 — Station Info
6 — Tune
7 — Radio Band (AM/FM)
8 — Seek Down |◀◀

5

The radio is equipped with the following modes:

- AM
- FM
- SiriusXM® Satellite Radio (if equipped)

Press the Radio button on the touchscreen to enter the Radio Mode. The different tuner modes, AM, FM, and SXM, can then be selected by pressing the corresponding buttons in Radio Mode.

### Volume & On/Off Control

Push the Volume & On/Off control knob to turn on and off the Uconnect system.

The electronic volume control turns continuously (360 degrees) in either direction, without stopping. Turning the Volume & On/Off control knob clockwise increases the volume, and counterclockwise decreases it.

When the audio system is turned on, the sound will be set at the same volume level as last played.

### Mute Button

Push the Mute button to mute or unmute the system.

### Tune/Scroll Control

Turn the rotary Tune/Scroll control knob clockwise to increase or counterclockwise to decrease the radio station frequency. Push the Enter/Browse button to choose a selection.

### Seek

The Seek Up and Down functions are activated by pressing the double arrow buttons on the touchscreen to the right and left of the radio station display or by pressing the left steering wheel audio control button up or down.

### Seek Up ⏭ and Seek Down ⏮

Press and release the Seek Up ⏭ or Seek Down ⏮ button to tune the radio to the next available station or channel. During a Seek Up/ Down function, if the radio reaches the starting station after passing through the entire band two times, the radio will stop at the station where it began.

### Fast Seek Up ⏭ and Fast Seek Down ⏮

Press, hold, and then release the Seek Up ⏭ or Seek Down ⏮ button to advance the radio through the available stations or channels at a faster rate. The radio stops at the next available station or channel when the button on the touchscreen is released.

**NOTE:**
Pressing and holding either the Seek Up ⏭ or Seek Down ⏮ button will scan the different frequency bands at a slower rate.

### Info — If Equipped

Press the Info button to display information related to the currently playing song and radio station.

### Direct Tune

Press the Tune button located at the bottom of the radio screen to directly tune to a desired radio station or channel.

Press the available number button on the touchscreen to begin selecting a desired station. Once a number has been entered, any numbers that are no longer possible (stations that cannot be reached) will become deactivated/grayed out.

### Undo

You can backspace an entry by pressing the Back ⌫ button on the touchscreen.

GO

Once the last digit of a station has been entered, press “GO”. The Direct Tune screen will close, and the system will automatically tune to that station.

### Radio Voice Commands

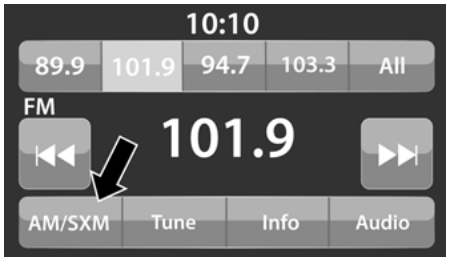
Use your voice to quickly get to the AM, FM, or SiriusXM® Satellite Radio stations you would like to hear. (Subscription or included SiriusXM® Satellite Radio trial required.)

Push the VR button on the steering wheel and wait for the beep to say a command. See some examples below.

- “**Tune to** ninety-five-point-five FM”
- “**Tune to** Satellite Channel Hits 1”

**Did You Know:** At any time, if you are not sure of what to say or want to learn a Voice Command, push the VR button and say “**Help**”. The system provides you with a list of commands.

## SiriusXM® Satellite Radio Mode — If Equipped




**Uconnect 3 With 5-inch Display Changing To SiriusXM®**

SiriusXM® Satellite Radio uses direct satellite-to-receiver broadcasting technology to provide clear, coast-to-coast radio content. SiriusXM® is a subscription-based service.

Visit siriusxm.com/getallaccess or review your SiriusXM® Radio pamphlet in your Owner’s Manual kit for more information.

SiriusXM® services require subscriptions, sold separately after the trial included with the new vehicle purchase. If you decide to continue your service at the end of your trial subscription, the plan you choose will automatically renew and bill at then-current rates until you call SiriusXM® at 866-635-2349 to cancel. See SiriusXM® Customer Agreement for complete terms at www.siriusxm.com (US) or www.siriusxm.ca (Canada).

All fees and programming subject to change. SiriusXM® satellite service is available only to those at least 18 and older in the 48 contiguous USA and D.C. Our SiriusXM® satellite service is also available in Canada and Puerto Rico (with coverage limitations). SiriusXM® Internet radio service is available throughout their satellite service area and in AK. © 2020 SiriusXM® Radio Inc. SiriusXM® and all related marks and logos are trademarks of SiriusXM® Radio Inc.

This functionality is only available for radios equipped with a Satellite receiver. In order to receive satellite radio, the vehicle needs to be outside with a clear view to the sky.

If the screen shows Acquiring Signal, you might have to change the vehicle’s position in order to receive a signal. In most cases, the satellite radio does not receive a signal in underground parking garages or tunnels.

### No Subscription

Radios equipped with a Satellite receiver require a subscription to the SiriusXM® Service. When the Radio does not have the necessary subscription, the Radio is able to receive the Preview channel only.

### Acquiring SiriusXM® Subscription

To activate the SiriusXM® Satellite Radio subscription, US visit siriusxm.com/ getallaccess or call: 1-800-643-2112

Canada visit https://www.siriusxm.ca/ or call: 1-800-465-2001 (English) or 1-800-387-9983 (French).

**NOTE:**
You will need to provide the SiriusXM® ID (RID) located at the bottom of the Channel 0 screen.

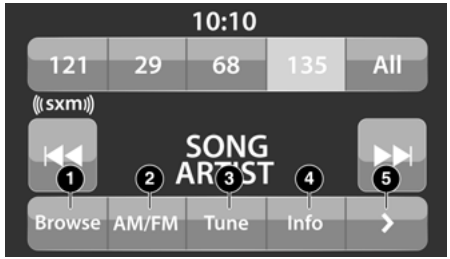
The Satellite Mode is activated by a press of the SXM button on the touchscreen.

When in Satellite Mode:

- The SXM button on the touchscreen is highlighted.
- The SiriusXM® Presets are displayed at the top of the screen.
- The SiriusXM® Channel Number is displayed in the center.
- The Program Information is displayed at the bottom of the Channel Number.
- The SiriusXM® function buttons are displayed below the Program Information.

Tuning is done by operating the Tune Knob or by Direct Tune, similar to other Radio Bands.

In addition to the tuning operation functions common to all radio modes, the replay, Traffic/ Weather button, and Favorite button functions are available in SiriusXM® Mode.




**Uconnect 3 With 5-inch Display SiriusXM® Satellite Radio**

1 — Browse
2 — Radio Bands
3 — Direct Tune
4 — Info Button
5 — Next Button

### Replay

The replay function provides a means to store and replay up to 22 minutes of music audio and 48 minutes of talk radio. Once the channel is switched, content in replay memory is lost.

Press the Replay button on the touchscreen. The play/pause, rewind/forward and live buttons will display at the top of the screen, along with the replay time.

You can exit by pressing the Replay button on the touchscreen any time during the Replay Mode.

| | | |
|---|---|---|
| **Play/Pause** | | Press the Pause/Play button on the touchscreen to pause the playing of live or rewound content at any time. Play can be resumed by pressing the Pause/Play button again on the touchscreen. |
| **Rewind** | | Press the Rewind button on the touchscreen to rewind the content in steps of five seconds. Pressing the Rewind button on the touchscreen for more than two seconds rewinds the content. The radio begins playing the content at the point at which the press is released. |
| **Forward** | | Each press of the Forward button on the touchscreen forwards the content in steps of five seconds. Forwarding of the content can only be done when the content is previously rewound, and therefore, cannot be done for live content. A continuous press of the Forward button on the touchscreen also forwards the content. The radio begins playing the content at the point at which the press is release. |
| **Live** | Live | Press the Live button on the touchscreen to resume the playing of live content. |

## Favorites

Press the Favorites button on the touchscreen to activate the favorites menu, which will time out within 20 seconds in absence of user interaction.

You can exit the Favorites Menu by a press of the X button.

The favorites feature enables you to set a favorite artist or song that is currently playing. The radio then uses this information to alert you when either the favorite artist or song is being played at any time by any of the SiriusXM® Channels.

The maximum number of favorites that can be stored in the Radio is 50.

**Favorite Artist:** While the song is playing, to set a favorite artist, press the Favorites button on the touchscreen and then the Favorite Artist button on the touchscreen.

**Favorite Song:** While the song is playing, to set a favorite song, press the Favorites button on the touchscreen and then the Favorite Song button on the touchscreen.

## Browse In SXM

Press the Browse button on the touchscreen to edit Presets, Favorites, Game Zone, and Jump settings, along with providing the SiriusXM® Channel List.

This Screen contains many submenus. You can exit submenus to return to a parent menu by pressing the Back arrow.

### All

Press the All button on the Browse Screen. When pressing the All button, the following categories become available:

- **Channel List** Press the Channel List to display all the SiriusXM® Channel Numbers. You can scroll the Channel List by pressing the Up and Down arrows, located on the right side of the screen. Scrolling can also be done by operating the Tune/Scroll knob.
- **Genre List** Press the Genre button on the touchscreen to display a list of Genres. You can select any desired Genre by pressing the Genre List. The radio tunes to a channel with the content in the selected Genre.

### Favorites

Press the Favorites button on the Browse screen.

The Favorites menu provides a means to edit the Favorites list and to configure the Alert Settings, along with providing a list of Channels currently airing any of the items in the Favorites list.

You can scroll the Favorites list by pressing the Up and Down arrows located at the right side of the screen. Scrolling can also be done by operating the Tune/Scroll knob as well.

### Remove Favorites

Press the Remove Favorites tab at the top of the screen. Press the Delete All button on the touchscreen to delete all of the Favorites or press the Trash Can icon next to the Favorite to be deleted.

### Alert Settings

Press the Alert Settings tab at the top of the Favorites screen. The Alert Settings menu allows you to choose from a visual alert or audible and visual alert when one of your favorites is airing on any of the SiriusXM® channels.

### Game Zone

Press the Game Zone button, located at the left of the Browse screen. This feature provides you with the ability to select teams, edit the selection, and set alerts.

### On Air

Press the On-Air tab at the top of the screen. The On-Air list provides a list of Channels currently airing any of the items in the Selections list, and pressing any of the items in the list tunes the radio to that channel.

### Add/Delete — If Equipped

Press the Add/Delete button on the touchscreen to activate the League Scroll list. Press the chosen league and a scroll list of all teams within the league will appear, then you can select a team by pressing the corresponding box. A check mark appears for all teams that are chosen.

### Remove Selection/Trash Can Icon

Press the Remove Selection tab at the top of the screen. Press the Delete All button on the touchscreen to delete all of the selections or press the Trash Can icon next to the selection to be deleted.

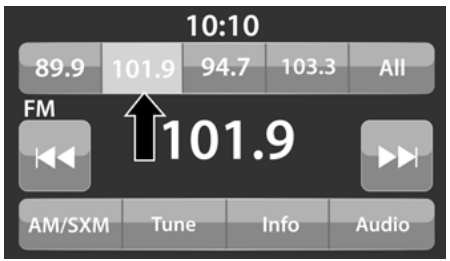
### Alert Settings

Press the Alert Setting tab at the top of the screen. The Alert Settings menu allows you to choose from “Alert me to on-air games upon start” or “Alert upon score update” or both when one or more of your selections is airing on any of the SiriusXM® channels.

### Tune Start

Tune Start begins playing the current song from the beginning when you tune to a music channel using one of the 12 presets. This feature occurs the first time the preset is selected during that current song.

## Setting Presets




**Uconnect 3 With 5-inch Display Radio Presets**

The Presets are available for all Radio Modes, and are activated by pressing any of the Preset buttons, located at the top of the screen.

When you are on a station that you wish to save as a preset, press and hold the numbered button on the touchscreen for more than two seconds.

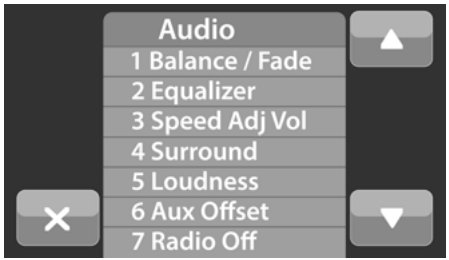
The Radio stores up to 12 presets in each of the Radio Modes.

For the Uconnect 3 With 5-inch Display

A set of four presets will appear on the screen. Press the All button to view all saved presets. To remove a saved preset, a new preset must be saved over the old one.

## Audio Settings

Press the Audio button within the settings main menu to activate the Audio Settings screen.




**Uconnect 3 With 5-inch Display**

1 — Balance/Fade
2 — Equalizer
3 — Speed Adjusted Volume
4 — Surround Sound
5 — Loudness
6 — AUX Volume Offset
7 — Radio Off With Door — If Equipped

| Audio Setting | Description |
|---|---|
| Balance/Fade | Press the Balance/Fade button on the touchscreen to balance audio between the front speakers or fade the audio between the rear and front speakers. Press the Front, Rear, Left or Right buttons or press and drag the red Speaker icon to adjust the Balance/Fade. |
| Equalizer | Press the + or – buttons or press and drag the level bar to increase or decrease each of the equalizer bands. The level value, which spans between plus or minus nine, is displayed at the top of each of the bands. |
| Speed Adjusted Volume | The Speed Adjusted Volume is adjusted by selecting from “Off”, “1”, “2”, and “3”. This alters the automatic adjustment of the audio volume with variation to vehicle speed. Volume increases automatically as speed increases to compensate for normal road noise. |
| Surround Sound — If Equipped | When Surround Sound is on, you can hear audio coming from every direction as in a movie theatre or home theatre system. |
| Loudness — If Equipped | When Loudness is on, the sound quality at lower volumes improves. |
| AUX Volume Offset | The AUX Volume Offset is adjusted by pressing + and – buttons. This alters the AUX input audio volume. The level value, which spans between plus or minus three, is displayed above the adjustment bar. |
| Auto Play — If Equipped | The Auto Play feature begins playing music as soon as a USB Media device is connected to one of the vehicle’s Media USB ports, when it is turned on. Press Off to turn the setting off. |
| Radio Off With Door — If Equipped | The Radio Off With Door feature, when activated, keeps the radio on until the driver or passenger door is opened or when the Radio Off Delay selected time has expired. |

# MEDIA MODE

## Operating Media Mode

**Uconnect 3 With 5-inch Display Operating Media Mode**

1 — Seek Down ◀◀
2 — Seek Up ▶▶
3 — Additional Functions
4 — Info
5 — Pause/Play
6 — Source
7 — Browse

Media Mode is entered by pushing the MEDIA button located on the faceplate.

## Audio Source Selection

Once in Media Mode, press the Source or Source Select button on the touchscreen and the desired mode button on the touchscreen. USB, AUX, and Bluetooth® are the Media sources available. When available, you can select the Browse button on the touchscreen to be given these options:

- Now Playing
- Artists
- Albums
- Genres
- Songs
- Playlists
- Folders

For the Uconnect 3 With 5-inch Display, Media Mode is entered by pushing the Media button located on the faceplate.

## Types of Media Modes

### USB Mode

#### Overview

USB Mode is entered by either inserting a USB device into the USB Port, or by pressing the Media button on the faceplate and then selecting the USB button.

On the Uconnect 3 with 5-inch Display, if you insert a USB device with the ignition ON, the unit will switch to USB Mode and begin to play. The display will show the track number and index time in minutes and seconds. Play will begin at the start of track 1.

### Bluetooth® Mode

#### Overview

Bluetooth® Streaming Audio or Bluetooth® Mode is entered by pairing a Bluetooth® device, containing music, to the Uconnect system.

Before proceeding, the Bluetooth® device must be paired to the Uconnect Phone to communicate with the Uconnect system.

On the Uconnect 3 with 5-inch Display, push the Media button located on the faceplate. Once in Media Mode, press the Source button on the touchscreen and select the Bluetooth® button ➪ page 271.

To access Bluetooth® Mode, press the Bluetooth® button on the left side of the touchscreen or under the Source Select/Select Source button (if equipped).

## AUX Mode

### Overview

Auxiliary Mode (AUX) is entered by inserting an AUX device using a cable with a 3.5 mm audio jack into the AUX port or pushing the Media button on the faceplate and then selecting the Source button and then the AUX button.

To insert an Auxiliary device, gently insert the Auxiliary device cable into the AUX Port. If you insert an Auxiliary device with the ignition and the radio on, the unit will switch to AUX Mode and begin to play.

### Controlling The Auxiliary Device

The control of the Auxiliary device (e.g., selecting playlists, play, fast forward, etc.) cannot be provided by the radio; use the device controls instead. Adjust the volume with the Volume button, Volume/Mute rotary knob, or the On/Off rotary knob, or with the volume of the attached device.

**NOTE:**
The radio unit is acting as the amplifier for audio output from the Auxiliary device. Therefore, if the volume control on the Auxiliary device is set too low, there will be insufficient audio signal for the radio unit to play the music on the device.

### Seek Up ⏭ / Seek Down ⏮

In USB Mode, press the Seek Up button on the touchscreen for the next selection on the USB device. Press and release the Seek Down button on the touchscreen to return to the beginning of the current selection, or to return to the beginning of the previous selection if the USB device is within the first three seconds of the current selection.

In Bluetooth® Mode, press and release the Seek Up button on the touchscreen for the next selection on the Bluetooth® device. Press and release the Seek Down button on the touchscreen to return to the beginning of the current selection, or return to the beginning of the previous selection if the Bluetooth® device is within the first second of the current selection.

### Browse

In USB Mode, press the Browse button on the touchscreen to display the browse window. In USB Mode, the left side of the browse window displays a list of ways you can browse through the contents of the USB device. If supported by the device, you can browse by Folder, Artist, Playlist, Album, Song, etc. Press the desired button on the touchscreen on the left side of the screen. The center of the browse window shows items and its sub-functions, which can be scrolled through by pressing the Up and Down buttons to the right. The Tune/Scroll knob can also be used to scroll.

On the Uconnect 3 With 5-inch Display, rotate the Browse button on the touchscreen to scroll through and select a desired track on the device. Press the Exit button on the touchscreen if you wish to cancel the Browse function.

### Media Mode

In USB Mode, press the Media button on the touchscreen to select the desired audio source: USB.

In Bluetooth® Mode, press the Media button on the touchscreen to select the desired audio source: Bluetooth®.

In AUX Mode, press the Media button on the touchscreen to select the desired audio source: AUX.

### Repeat

In USB Mode, press the Repeat button on the touchscreen to toggle the repeat functionality. The Repeat button on the touchscreen is highlighted when active. The Radio will continue to play the current track, repeatedly, as long as the repeat is active. Press the Repeat button again to enter Repeat All. The radio will continue to play all the current tracks, repeatedly, as long as the repeat function is active. To cancel Repeat, press the Repeat button a third time.

### Shuffle

In USB Mode, press the Shuffle button on the touchscreen to play the selections on the USB device in random order to provide an interesting change of pace. Press the Shuffle button on the touchscreen a second time to turn this feature off.

### Audio

Audio settings can be accessed by pressing the Audio button ➪ page 259.

### Info

In both Disc and USB Modes, press the Info button on the touchscreen to display the current track information. Press the Info or X button on the touchscreen a second time to cancel this feature.

### Tracks

In both Disc and USB Modes, press the Tracks button on the touchscreen to display a pop-up with the Song List. The song currently playing is indicated by an arrow and lines above and below the song title. When in the Tracks List screen you can rotate the Tune/Scroll knob to highlight a track (indicated by the line above and below the track name) and then push the Enter/Browse knob to start playing that track.

In Bluetooth® Mode, if the Bluetooth® device supports this feature, press the Tracks button on the touchscreen to display a pop-up with the Song List. The currently playing song is indicated by a red arrow and lines above and below the song title.

Pressing the Tracks button on the touchscreen while the pop-up is displayed will close the pop-up.

## Media Voice Commands

Uconnect offers connections via USB, Bluetooth®, and auxiliary (AUX) ports. Voice operation is only available for connected USB and AUX devices.

Push the VR button located on the steering wheel. After the beep, say one of the following commands and follow the prompts to switch your media source or choose an artist.

- "**Change source to** Bluetooth®"
- "**Change source to** AUX"
- "**Change source to** USB"
- "**Play artist** Beethoven"; "**Play album** Greatest Hits"; "**Play song** Moonlight Sonata"; "**Play genre** Classical"

**Did You Know:** Press the Browse button on the touchscreen to see all of the music on your USB device. Your Voice Command must match exactly how the artist, album, song, and genre information is displayed.

# PHONE MODE

## Overview

Uconnect Phone is a voice-activated, hands-free, in-vehicle communications system. It allows you to dial a phone number with your mobile phone.

The feature supports the following:

### Voice Activated Features

- Hands-Free dialing via Voice (“Call John Smith Mobile” or “Dial 248-555-1212”).
- Hands-Free text-to-speech listening of your incoming SMS messages.
- Hands-Free Text Message Replying: Forward one of 18 predefined SMS messages to incoming calls/text messages.
- Redialing last dialed numbers (“Redial”).
- Calling Back the last incoming call number (“Call Back”).
- Viewing call logs on screen (“Show Incoming Calls,” “Show Outgoing Calls,” “Show Missed Calls,” or “Show Recent Calls”).
- Searching Contacts phone number (“Search for John Smith Mobile”).

### Screen Activated Features

- Dialing via Keypad using touchscreen.
- Viewing and Calling contacts from Phone-books displayed on the touchscreen.
- Setting Favorite Contact phone numbers so they are easily accessible on the Main Phone screen.
- Viewing and Calling contacts from Recent Call logs.
- Reviewing your recent Incoming SMS Messages.
- Pairing up to 10 phones/audio devices for easy access to connect to them quickly.

**NOTE:**
Your phone must be capable of SMS messaging via Bluetooth® for messaging features to work properly.

Your mobile phone’s audio is transmitted through your vehicle’s audio system; the system will automatically mute your radio when using the Uconnect Phone.

For Uconnect customer support:

- US visit UconnectPhone.com or call 877-855-8400
- Canada visit UconnectPhone.com or call 800-465-2001 (English) or (French) call 800-387-9983

Uconnect Phone allows you to transfer calls between the system and your mobile phone as you enter or exit your vehicle and enables you to mute the system's microphone for private conversation.

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

The Phone feature is driven through your Bluetooth® “Hands-Free Profile” mobile phone. Uconnect features Bluetooth® technology—the global standard that enables different electronic devices to connect to each other

without wires or a docking station. Ensure you phone is turned on with Bluetooth® active and has been paired to the Uconnect system. Up to 10 mobile phones or audio devices are allowed to be linked to the system. Only one linked (or paired) mobile phone and one audio device can be used with the system at a time.

### Phone Button

The Phone button on your steering wheel is used to get into the Phone Mode and make calls, show recent, incoming or outgoing calls, view phonebook, etc. When you press the button you will hear a BEEP. The BEEP is your signal to give a command.

### Voice Command Button

The Voice Command button on your steering wheel is only used for “barge in” and when you are already in a call or want to make another call.

The button on your steering wheel is also used to access the Voice Commands for the Uconnect Voice Command features if your vehicle is equipped.

## Phone Operation

### Operation

Voice commands can be used to operate the Uconnect Phone and to navigate its menu structure. Voice commands are required after most Uconnect Phone prompts. There are two general methods for how Voice Command works:

1. Say compound commands like “Call John Smith mobile”.
2. Say the individual commands and allow the system to guide you to complete the task.

You will be prompted for a specific command and then guided through the available options.

- Prior to giving a voice command, one must wait for the beep, which follows the “Listen” prompt or another prompt.
- For certain operations, compound commands can be used. For example, instead of saying “Call” and then “John Smith” and then “mobile”, the following compound command can be said: “Call John Smith mobile.”
- For each feature explanation in this section, only the compound command form of the voice command is given. You can also break the commands into parts and say each part of the command when you are asked for it. For example, you can use the compound command form voice command “Search for John Smith,” or you can break the compound command form into two voice commands: “Search Contacts” and when asked, “John Smith.” Please remember, the Uconnect Phone works best when you talk in a normal conversational tone, as if speaking to someone sitting a few feet/meters away from you.

### Natural Speech

Your Uconnect Phone Voice system uses a Natural Language Voice Recognition (VR) engine.

Natural speech allows the user to speak commands in phrases or complete sentences. The system filters out certain non-word utterances and sounds such as “ah” and “eh.” The system handles fill-in words such as “I would like to”.

The system handles multiple inputs in the same phrase or sentence such as “make a phone call” and “to Kelly Smith”. For multiple inputs in the same phrase or sentence, the system identifies the topic or context and provides the associated follow-up prompt such as “Who do you want to call?” in the case where a phone call was requested but the specific name was not recognized.

The system utilizes continuous dialog. When the system requires more information from the user, it will ask a question to which the user can respond without pushing the Voice Command button on the steering wheel.

### Help Command

If you need assistance at any prompt, or if you want to know your options at any prompt, say “Help” following the beep.

To activate the Uconnect Phone from idle, simply push the Phone button (if active) on your steering wheel and say a command or say “Help”. All Phone sessions begin with a push of the VR button or Phone button on the radio faceplate.

### Cancel Command

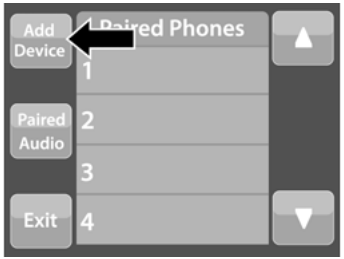
At any prompt, after the beep, you can say “Cancel” and you will be returned to the main menu.

You can also push the VR button or Phone button on your steering wheel when the system is listening for a command and be returned to the main or previous menu.

### Pair (Link) Uconnect Phone To A Mobile Phone

To begin using your Uconnect Phone, you must pair your compatible Bluetooth®-enabled mobile phone. Mobile phone pairing is the process of establishing a wireless connection between a cellular phone and the Uconnect system.

To complete the pairing process, you will need to reference your mobile phone’s manual. Please visit UconnectPhone.com for complete mobile phone compatibility information.




**Uconnect 3 With 5-inch Display**

NOTE:

- You must have Bluetooth® enabled on your phone to complete this procedure.
- The vehicle must be in PARK or at a standstill.

Follow the steps below to pair your phone:

1. Place the ignition in the ACC or ON/RUN position.
2. Press the Phone button.

NOTE:

- If there are no phones currently connected with the system, a pop-up will appear asking if you would like to pair a mobile phone.
- This pop-up only appears when the user enters Phone Mode and no other device(s) have previously been paired. If the system has a phone previously paired, even if no phone is currently connected with the system, this pop-up will not appear.

3. Select “Yes” to begin the pairing process.
4. Search for available devices on your Bluetooth®-enabled mobile phone.
   - Press the Settings button on your mobile phone.
   - Select “Bluetooth®” and ensure it is enabled. Once enabled, the mobile phone will begin to search for Bluetooth® connections.

NOTE:
During the pairing procedure, you may receive a pop-up on your touchscreen asking you to make sure the PIN on the touchscreen matches the PIN from the pop-up on your mobile phone.

5. If “No” is selected, and you still would like to pair a mobile phone, press the Pairing or Settings button from the Uconnect Phone main screen.
   - Press the Paired Phones button.
   - Search for available devices on your Bluetooth®-enabled mobile phone (see below). When prompted on the phone, select “Uconnect” and accept the connection request.
6. Uconnect Phone will display an in-progress screen while the system is connecting.
7. When your mobile phone finds the Uconnect system, select “Uconnect.”
8. When prompted on the mobile phone, accept the connection request from Uconnect.
9. When the pairing process has successfully completed, the system will prompt you to choose whether or not this is your favorite phone. Selecting “Yes” will make this phone the highest priority. This phone will take precedence over other paired phones within range and will connect to the Uconnect system automatically when entering the vehicle. Only one mobile phone and/or one Bluetooth® audio device can be connected to the Uconnect system at a time. If “No” is selected, simply select “Uconnect” from the mobile phone/audio device Bluetooth® screen, and the Uconnect system will reconnect to the Bluetooth® device.

NOTE:
For phones which are not made a favorite, the phone priority is determined by the order in which it was paired. The most recent phone paired will have the higher priority.

NOTE:
During the pairing procedure, you may receive a pop-up on your mobile phone for the Uconnect system to access your “messages” and “contacts”. Selecting “Ok” or “Allow” will sync your contacts with the Uconnect system.

You can also use the following VR command to bring up the Paired Phone screen from any screen on the radio:

- “Show Paired Phones”

NOTE:
Software updates on your phone or the Uconnect system may interfere with the Blue-

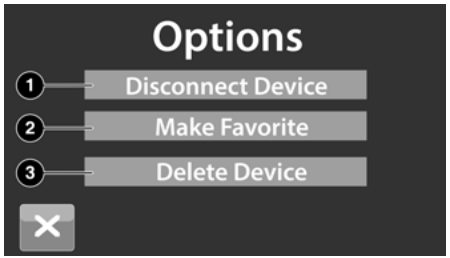
tooth® connection. If this happens, simply repeat the pairing process. However, first make sure to delete the device from the list of phones on your Uconnect system. Next, be sure to remove Uconnect from the list of devices in your phone's Bluetooth® settings.

### Connecting To A Particular Mobile Phone Or Audio Device After Pairing

Uconnect Phone will automatically connect to the highest priority paired phone and/or Audio Device within range. If you need to choose a particular phone or audio device follow these steps:

1. Press the Settings button on the touchscreen.
2. Press the Paired Phones/Audio Sources buttons.
3. Press to select the particular phone or the particular audio device. A pop-up menu will appear; press "Connect Phone".
4. Press the X to exit out of the Settings screen.

### Disconnecting or Deleting A Phone Or Audio Device




**Uconnect 3 With 5-inch Display**

1 — Disconnect Device Or Disconnect Phone
2 — Make Favorite
3 — Delete Device/Phone

1. Press the Uconnect Phone Pairing or Settings button.
2. Press the Paired Phones/Audio Sources buttons.
3. Press the Settings button located to the right of the device name for a different phone or audio device than the currently connected device or press the preferred Connected Phone from the list.
4. The option's pop-up will be displayed.
5. Press the Disconnect Device or the Delete Device button on the touchscreen.
6. Press the X to exit out of the Settings screen.

### Making A Phone Or Audio Device A Favorite

1. On the Paired Phone/Audio sources screen, press the Settings button located to the right of the device name for a different phone or audio device than the currently connected device or press the preferred "Connected Phone" from the list.
2. The option's pop-up will be displayed.
3. Press the Make Favorite button on the touchscreen; you will see the chosen device move to the top of the list.
4. Press the X to exit out of the Settings screen.

### Phonebook Download (Automatic Phonebook Transfer From Mobile Phone) — If Equipped

If supported by your phone, Uconnect Phone has the ability to download contact names and number entries from the mobile phone's

phonebook. Specific Bluetooth® Phones with Phonebook Access Profile may support this feature. Your mobile phone may receive a pop-up asking for permission for the Uconnect system to access your messages and contacts. Selecting “Ok” or “Allow” will sync your contacts with the Uconnect system.

See the Uconnect website, UconnectPhone.com, for supported phones.

- To call a name from a downloaded mobile phonebook, follow the procedure in the “Voice Command” in this section.
- Automatic download and update of a phonebook, if supported, begins as soon as the Bluetooth® wireless phone connection is made to the Uconnect Phone, for example, after you start the vehicle.
- A maximum of 5,000 contact names with four numbers per contact will be downloaded and updated every time a phone is connected to the Uconnect Phone.
- Depending on the maximum number of entries downloaded, there may be a short delay before the latest downloaded names can be used. Until then, if available, the previously downloaded phonebook is available for use.
- Only the phonebook of the currently connected mobile phone is accessible.
- This downloaded phonebook cannot be edited or deleted on the Uconnect Phone. These can only be edited on the mobile phone. The changes are transferred and updated to Uconnect Phone on the next phone connection.

### Managing Your Favorites — If Equipped

There are two ways you can add an entry to your favorites:

1. After loading the mobile phonebook, press the Favorites button on the touchscreen, and then press one of the +Add Favorite Contact buttons that appears on the list.
2. After loading the mobile phonebook, select “Contacts” from the Phone main screen, and then select the appropriate number. Press the Down Arrow button next to the selected number to display the option’s pop-up. In the pop-up, select “Add to Favorites”.

**NOTE:**
If the Favorites list is full, you will be asked to remove an existing favorite.

### To Remove A Favorite — If Equipped

1. To remove a Favorite, select “Favorites” from the Phone main screen.
2. Next, select the Down Arrow icon next to the contact you want to remove from your favorites. This will bring up the options for that Favorite contact.
3. Deselect the Star icon to delete the Favorite.

## Phone Call Features

The following features can be accessed through the Uconnect Phone if the feature(s) are available and supported by Bluetooth® on your mobile service plan. For example, if your mobile service plan provides three-way calling, this feature can be accessed through the Uconnect Phone. Check with your mobile service provider for the features that you have.

Listed below are the phone options with Uconnect:

- Redial
- Dial by pressing in the number

- Voice Commands (Dial by Saying a Name, Call by Saying a Phonebook Name, Redial or Call Back)
- Favorites
- Mobile Phonebook
- Recent Call Log
- SMS Message Viewer

### Call Controls

The touchscreen allows you to control the following call features:

**Uconnect 3 With 5-inch Display**

1 — Answer
2 — Mute/Unmute
3 — Transfer
4 — Ignore

Other phone call features include:

- End Call
- Hold/Unhold/Resume
- Swap two active calls

### Key Pad Number Entry

1. Press the Phone button.
2. Press the Dial/Keypad button on the touchscreen.
3. The Touch-Tone screen will be displayed.
4. Use the numbered buttons on the touchscreens to enter the number and press “Dial/Call”.

### Recent Calls — If Equipped

You may browse a list of the most recent of each of the following call types:

- All Calls
- Incoming Calls or Calls Received
- Outgoing Calls or Calls Made
- Missed Calls

These can be accessed by pressing the Recent Calls button on the phone main screen.

You can also push the VR button on your steering wheel and perform the above operation. For example, say “Show my incoming calls”.

### Answer Or Ignore An Incoming Call — No Call Currently In Progress

When you receive a call on your mobile phone, the Uconnect Phone will interrupt the vehicle audio system. Push the Phone button on the steering wheel, press the Answer button on the touchscreen.

**Uconnect 3 With 5-inch Display**

1 — Answer Button
2 — Caller ID Box

### Answer Or Ignore An Incoming Call — Call Currently In Progress

If a call is currently in progress and you have another incoming call, you will hear the same network tones for call waiting that you normally hear when using your mobile phone. Push the Phone button on the steering wheel, press the Answer button on the touchscreen, or press the Caller ID box to place the current call on hold and answer the incoming call.

NOTE:
Phones that are compatible with the Uconnect system in the market today do not support rejecting an incoming call when another call is in progress. Therefore, the user can only answer an incoming call or ignore it.

### Do Not Disturb

With Do Not Disturb, you can disable notifications from incoming calls and texts, allowing you to keep your eyes on the road and hands on the wheel. For your convenience, there is a counter display to keep track of your missed calls and text messages while Do Not Disturb is active.

Do Not Disturb can automatically reply with a text message, a call, or both when declining an incoming call and send it to voicemail.

Automatic reply messages can be:

- “I am driving right now, I will get back to you shortly”.
- Create a custom auto reply message up to 160 characters.

NOTE:
Only the first 25 characters can be seen on the touchscreen while typing a custom message.

While in Do Not Disturb, Conference Call can be selected so you can still place a second call without being interrupted by incoming calls.

NOTE:

- Reply with text message is not compatible with iPhones®.
- Auto reply with text message is only available on phones that support Bluetooth® Message Access Profile (MAP).

### Place/Retrieve A Call From Hold

During an active call, press the Hold or Call On Hold button on the Phone main screen.

### Making A Second Call While Current Call Is In Progress

You can place a call on hold by pressing the Hold button on the Phone main screen, then dial a number from the keypad (if supported by your mobile phone), recent calls, SMS Inbox or from the phonebooks.

### Toggling Between Calls

Uconnect 3 With 5-inch Display

If two calls are in progress (one active and one on hold), press the Swap Calls button on the phone main screen. Only one call can be placed on hold at a time.

You can also push the Phone button to toggle between the active and held phone call.

### Join Calls

When two calls are in progress (one active and one on hold), press the Join/Merge Calls Call button the Phone main screen to combine all calls into a conference call.

### Call Termination

To end a call in progress, momentarily press the End Call button on the touchscreen or the Phone End button on the steering wheel. Only the active call(s) will be terminated and if there is a call on hold, it will become the new active call.

### Redial

Push the VR button and after the "Listening" prompt and the following beep, say "Redial."

The Uconnect Phone will call the last number that was dialed from your mobile phone.

### Call Continuation

Call continuation is the progression of a phone call on the Uconnect Phone after the vehicle ignition has been switched to OFF.

**NOTE:**
The call will remain within the vehicle audio system until the phone becomes out of range for the Bluetooth® connection. It is recommended to press the Transfer button on the touchscreen when leaving the vehicle.

## Advanced Phone Connectivity

### Transfer Call To And From Mobile Phone

The Uconnect Phone allows ongoing calls to be transferred from your mobile phone without terminating the call. To transfer an ongoing call from your connected mobile phone to the Uconnect Phone or vice versa, press the Transfer button on the Phone main screen.

## Things You Should Know About Uconnect Phone

### Voice Command

For the best performance:

- Always wait for the beep before speaking
- Speak normally, without pausing, just as you would speak to a person sitting a few feet/meters away from you
- Ensure that no one other than you is speaking during a voice command period
- Low-To-Medium Blower Setting
- Low-To-Medium Vehicle Speed
- Low Road Noise
- Smooth Road Surface
- Fully Closed Windows
- Dry Weather Conditions

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

Even though the system is designed for many languages and accents, the system may not always work for some.

NOTE:
It is recommended that you do not store names in your Favorites phonebook while the vehicle is in motion.

Number and name recognition rate is optimized when the entries are not similar. You can say "O" (letter "O") for "0" (zero).

Even though international dialing for most number combinations is supported, some shortcut dialing number combinations may not be supported.

### Audio Performance

Audio quality is maximized under:

- Low-To-Medium Blower Setting
- Low-To-Medium Vehicle Speed
- Low Road Noise
- Smooth Road Surface
- Fully Closed Windows
- Dry Weather Conditions
- Operation From The Driver's Seat

Performance such as audio clarity, echo, and loudness to a large degree rely on the phone and network, and not the Uconnect Phone.

Echo at the far end can sometimes be reduced by lowering the in-vehicle audio volume.

### Phone Voice Commands

Making and answering hands-free phone calls is easy with Uconnect. When the Phonebook button is illuminated on your touchscreen, your system is ready. Check UconnectPhone.com for mobile phone compatibility and pairing instructions.

Push the Phone button and wait for the beep to say a command. See some examples below:

- "**Call** John Smith"
- "**Dial** 123 456 7890"
- "**Redial**" (call previous outgoing phone number)
- "**Call back**" (call previously answered incoming phone number)

**Did You Know:** When providing a Voice Command, push the Phone button and say "**Call**", then pronounce the name **exactly** as it appears in your phone book. When a contact has multiple phone numbers, you can say "**Call** John Smith **work**".

### Voice Text Reply — If Equipped

Uconnect can announce **incoming** text messages. Push the VR button or Phone button and say:

1. "**Listen**" to have the system read an incoming text message. (Must have compatible mobile phone paired to Uconnect system.)
2. "**Reply**" after an incoming text message has been read.

   Listen to the Uconnect prompts. After the beep, repeat one of the predefined messages and follow the system prompts.

| PRE-DEFINED VOICE TEXT REPLY RESPONSES | | |
|---|---|---|
| Yes. | Stuck in traffic. | See you later. |
| No. | Start without me. | I'll be late. |
| Okay. | Where are you? | I will be 5 <or 10, 15, 20, 25, 30, 45, 60> minutes late. |
| Call me. | Are you there yet? | |
| I'll call you later. | I need directions. | See you in 5 <or 10, 15, 20, 25, 30, 45, 60> minutes. |
| I'm on my way. | Can't talk right now. | |
| I'm lost. | | Thanks. |

**NOTE:**
Only use the numbering listed in the provided table. Otherwise, the system will not transpose the message.

**Did You Know:** Your mobile phone must have the full implementation of the **Message Access Profile (MAP)** to take advantage of this feature. For details about MAP, visit UconnectPhone.com.

Apple® iPhone® iOS 6 or later supports reading **incoming** text messages only. For further information on how to enable this feature on your Apple® iPhone®, refer to your iPhone's® "User Manual".

**Did You Know:** Voice Text Reply is not compatible with iPhone®, but if your vehicle is equipped with Siri® Eyes Free, you can use your voice to send a text message.

### Siri® Eyes Free — If Equipped

When used with your Apple® iPhone® connected to your vehicle via Bluetooth®, Siri lets you use your voice to send text messages, select media, place phone calls and much more. Siri uses your natural language to understand what you mean and responds back to confirm your requests. The system is designed to keep your eyes on the road and your hands on the wheel by letting Siri help you perform useful tasks.

To enable Siri, push and hold, then release the Uconnect Voice Recognition (VR) button on the steering wheel. After you hear a double beep, you can ask Siri to play podcasts and music, get directions, read text messages, and many other useful requests.

### Bluetooth® Communication Link

Mobile phones may lose connection to the Uconnect Phone. When this happens, the connection can generally be re-established by restarting the mobile phone. Your mobile phone is recommended to remain in Bluetooth® ON mode.

### Power-Up

After switching the ignition key from OFF to either the ON/RUN or ACC position, or after a language change, you must wait at least 15 seconds prior to using the system ➪ page 482.

# CONNECTED VEHICLE SERVICES — IF EQUIPPED

## Is My Vehicle Connected?

**Vehicles with an Assist and an SOS button are connected vehicles. These buttons will be located on either the rearview mirror or overhead console, depending on the vehicle. If these buttons are present in your vehicle, you have a connected radio and can take advantage of the many connected vehicle features.**

For further information about the ASSIST and SOS buttons ➪ page 373.

## Introduction To Connected Vehicle Services

One of the many benefits of your vehicle's Uconnect system is that you can now take advantage of SiriusXM Guardian™ connected vehicle services. To unlock the full potential of SiriusXM Guardian™ in your vehicle, you first need to activate SiriusXM Guardian™ services.

| WARNING! |
| --- |
| 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 comply may result in an accident involving serious injury or death. |

NOTE:
SiriusXM Guardian™ involves the collection, transmission and use of data from your vehicle ➪ page 306.

### SiriusXM Guardian™ Contact Information And Business Hours

#### SiriusXM Guardian™/Care

- US residents visit: https://www.driveuconnect.com/sirius-xm-guardian.html or call 1-844-796-4827
- Canadian residents visit: https://www.siriusxm.ca/guardian-v1/ or call 1-877-324-9091

#### Uconnect Phone Customer Support

UconnectPhone.com or for US residents call: 1-877-855-8400.

Canadian residents call: 1-800-465-2001 (English) or call: 1-800-387-9983 (French).

#### Business Hours

Central Time

- Monday through Friday – 7:00 am to 10:00 pm
- Saturday – 8:00 am to 9:00 pm

### What Is SiriusXM Guardian™?

SiriusXM Guardian™ uses an embedded device in the Uconnect system installed in your vehicle, which receives GPS signals and communicates with the SiriusXM Guardian™ Customer Care center via wireless and landline communications networks. Depending on the type of device in your vehicle, some SiriusXM Guardian™ services require an operable LTE (voice/data) or 3G or 4G (data) network compatible with your device. SiriusXM Guardian™ is available only on equipped vehicles purchased within the continental United States, Alaska, Hawaii, Puerto Rico and Canada.

NOTE:

- Certain SiriusXM Guardian™ services are dependent upon an operative telematics device, a cellular connection, navigation map data, and GPS satellite signal reception, which can limit the ability to reach the response center or reach emergency support.
- Not all features of SiriusXM Guardian™ are available everywhere at all times, particularly in remote or enclosed areas.
- Other factors outside the control of SiriusXM Guardian™ that may limit or prevent service delivery are hills, structures, buildings, tunnels, weather, damage to the electrical system or other important parts of your vehicle, network congestion, civil disturbances, actions of third parties or the government, Internet failure, and/or the physical location of your vehicle, such as in an underground parking structure or under a bridge.

Not all SiriusXM Guardian™ features are available for all models.

SiriusXM Guardian™ provides:

- The ability to remotely lock/unlock and remote start your vehicle from virtually anywhere by using the Uconnect App or your computer.
- Send & Go capability with the Uconnect App. Use the Uconnect App to easily search, map and send your locations directly to your Uconnect Navigation.
- The ability to locate your vehicle, when you forget where you parked, using the Vehicle Finder function of the Uconnect App.

Before you drive, familiarize yourself with the easy-to-use Uconnect system and SiriusXM Guardian™ services.

### The ASSIST and SOS Call Buttons On Your Rearview Mirror Or Overhead Console

The ASSIST Button is used for contacting Roadside Assistance, Vehicle Care, Uconnect Care, and SiriusXM Guardian™ Customer Care. The SOS Call button connects you directly to SiriusXM Guardian™ Customer Care for assistance in an emergency.

## Activation

To unlock the full potential of SiriusXM Guardian™ in your vehicle, you must activate your SiriusXM Guardian™ services.

1. Press the Apps icon on the bottom of your in-vehicle touchscreen.
2. Select the Activate Services icon from your list of apps.
3. **For customers in the United States**, select “Customer Care” to speak with a SiriusXM Guardian™ Customer Care agent who will activate services in your vehicle, or select “Enter Email” to activate on the web.

   **For customers in Canada**, enter your email address to activate services in your vehicle.

## Included Trial Period For New Vehicles

Your new vehicle may come with an included trial period for use of the SiriusXM Guardian™ services starting on the date of vehicle purchase. To get started with your trial, enrollment in SiriusXM Guardian™ is required. The Uconnect 4C/4C NAV includes a trial* of SiriusXM Guardian™ services from your date of purchase.

* Included trial applies to new vehicles only.

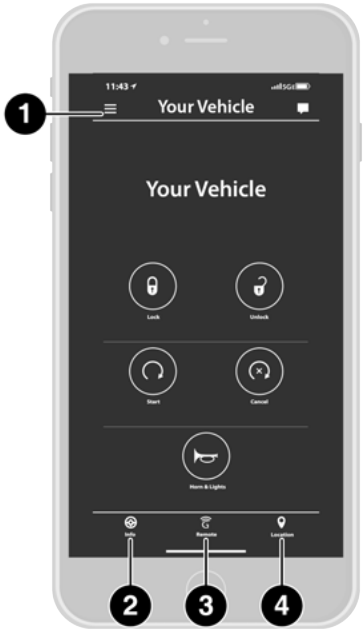
## Features And Packages

After the trial period, you must purchase a subscription to continue your services by calling a SiriusXM Guardian™ Customer Care agent.

## Getting Started With Connected Vehicle Services

### Download The Uconnect App

Once you have activated your services, you're only a few steps away from using connected services.




**Uconnect Mobile App**

1 — Settings
2 — Vehicle Info
3 —Remote Commands
4 — Location And Send & Go

- Download the Uconnect app to your mobile device.
- Use your Owner Account login and password to open the app and then set up a PIN.

A0401000291US

- For customers in the United States, visit www.mopar.com, and click the Sign In/ Register button in the upper right-hand corner to register your account online.
  a. Click the Register button
  b. Select the correct country and email address then click "Register".
  c. You will then receive an email notification to confirm/verify your newly created account.

d. After clicking the email link, it will take you to a website and prompt you to assign your account with a password.

e. Once you have added a password, the website will direct you to your homepage where you can add in your vehicle's VIN.

a. Click the Register button

b. Select the correct country and email address then click "Register".

c. You will then receive an email notification to confirm/verify your newly created account.

d. After clicking the email link, it will take you to a website and prompt you to assign your account with a password.

e. Once you have added a password, the website will direct you to your homepage where you can add in your vehicle's VIN.

- For customers in Canada, register your account via your vehicle.

a. Press the Apps button in the bottom menu bar.

b. Press the Activate Services button from the apps list.

c. Enter your email and press "OK". A confirmation email will be sent to the provided email address.

d. Press "Continue Activation" from the confirmation email. It may take a short time before remote services will be available, but you will be able to log into the Uconnect App and the owner's site.

- Once on the Remote screen and you have set up your four-digit PIN, you can begin using Remote Door Lock/Unlock, Remote Vehicle Start, and activate your horn and lights remotely, if equipped.
- Press the Location button on the bottom menu bar of the app to bring up a map to locate your vehicle or send a location to your Uconnect Navigation, if equipped.
- Press the Settings side menu in the upper left corner of the app to bring up app settings and access the Assist Call Centers.

## Using Your Owner's Site

Your Owner's Site website https://www.mopar.com/en-us.html (US Residents), or www.mopar.ca (Canadian Residents) provides you with all the information you need, all in one place. You can track your service history, find recommended accessories for your vehicle, watch videos about your vehicle's features, and easily access your manuals. It is also where you can manage your SiriusXM Guardian™ account. This section will familiarize you with the key elements of the website that will help you get the most of your SiriusXM Guardian™ system.

For customers in the United States, press the Sign In/Register button and enter your email address and password.

For customers in Canada, press the My Vehicle button. Select from "Dashboard", "Vehicle Health Report", and "Recalls". The website will then prompt you to log-in using your email address and password.

- **Edit/Edit Profile:**

  To manage the details of your SiriusXM Guardian™ account, such as your contact information, password and SiriusXM Guardian™ PIN, click on the Edit/Edit Profile button to access the details of your account.

- **Connected Services Status:**

  This statement will indicate your SiriusXM Guardian™-equipped vehicle.

- **Remote Commands:**

  For vehicles with an active SiriusXM Guardian™ subscription, press one of these icons and enter your four-digit SiriusXM Guardian™ Security PIN to remotely start (if equipped), lock/unlock doors or sound the horn and flash the lights.

### Editing Your Notifications

Notifications are an important element of your SiriusXM Guardian™ account. For example, any time you use your remote services (such as Remote Door Unlock), you can elect to receive a text message, push notification, and/or E-mail to notify you of the event. To set up the notifications, please follow these instructions.

1. Log on to your Owner's Account at https://www.mopar.com/en-us.html (US Residents) and select "Dashboard", or www.mopar.ca (Canadian Residents), select "My Vehicle" and then "Dashboard".
2. Click the Edit/Edit Profile button.
3. Once there, select "SiriusXM Guardian™" where can edit Notification Preferences.
4. You can enter a mobile phone and/or email address to notify you, and you can customize the types of messages.

## Using SiriusXM Guardian™

### SOS Call

| WARNING! |
|---|
| Some SiriusXM Guardian™ services, including SOS Call and Roadside Assistance Call will NOT work without a network connection compatible with your device. |

### Access To Emergency Services At The Push Of A Button

| Center Light Status | Description |
|---|---|
| Off | No call activated |
| Green | Active call in progress |
| Red | System error |

### SiriusXM Guardian™ In-Vehicle Assistance Features

With SiriusXM Guardian™, your vehicle has onboard assistance features located on the rearview mirror or overhead console designed to enhance your driving experience if you should ever need assistance or support.

### Description

SOS Call offers a convenient way to get in contact with a SiriusXM Guardian™ Customer Care agent in the event of an emergency. When the connection between the vehicle and the live agent is made, your vehicle will automatically transmit location information. In the event of a minor collision, medical or any other emergency, press the SOS button to be connected to a call center agent who can send emergency assistance to your vehicle's location.

**NOTE:**
Certain SiriusXM Guardian™ services are dependent on an operational Uconnect system, cellular network availability that is compatible with the device in your vehicle, and GPS network availability. Not all features of SiriusXM Guardian™ are available everywhere at all times, particularly in remote or enclosed areas.

### How It Works

1. Push the SOS Call button; the indicator light will turn green indicating a call has been placed.

NOTE:

- In case the SOS Call button is accidentally pushed, there is a 10-second delay before the SOS call is placed. The system will verbally alert you that a call is about to be made. To cancel the SOS Call connection, push the SOS Call button on the rearview mirror or press the Cancel button on the touchscreen within 10 seconds.
- During an SOS Call, the Bluetooth® paired phone is disconnected so incoming or outgoing calls will go through your mobile device versus the hands-free system which is not available due to the SOS Call.

2. Once a connection between the vehicle and a SiriusXM Guardian™ Customer Care agent is made, the agent will stay on the line with you.

NOTE:
Calls between the vehicle occupants and the SiriusXM Guardian™ Customer Care center may be recorded or monitored for quality assurance purposes. Through your enrollment in and use of the SiriusXM Guardian™ services, you consent to being recorded.

### SOS Call System Limitations

Vehicles that have been purchased in the US and that travel into Mexico and Canada may have limited services. In particular, responses to SOS calls or other emergency services may be unavailable or very limited. Vehicles purchased outside the United States and Canada are unable to receive SiriusXM Guardian™ services.

If the SOS Call system detects a malfunction, any of the following may occur at the time the malfunction is detected:

- The light will continuously be illuminated red.
- The screen will display the following message “Vehicle phone requires service. Please contact your dealer.”
- An in-vehicle audio message will state “Vehicle phone requires service. Please contact your dealer.”

Even if the SOS Call system is fully functional, factors beyond FCA US LLC’s control may prevent or stop SOS Call system operation. These include, but are not limited to, the following factors:

- The ignition key is in OFF position.
- The vehicle’s electrical systems are not intact.
- The vehicle battery loses power or becomes disconnected during a vehicle crash.
- The SOS Call system software and/or hardware is damaged during a vehicle crash.
- LTE (voice/data) or 3G or 4G (data) coverage and/or GPS signals are unavailable or obstructed.
- Network congestion.
- Weather conditions.
- Buildings, structures, geographic terrain, or tunnels.

If your vehicle loses battery power for any reason (including during or after an accident) the SOS Call System, among other vehicle systems, will not operate.

Requirements

- This feature is available only on vehicles sold in the US or Canada.
- Vehicle must be properly equipped with the SiriusXM Guardian™ system. Vehicle must be registered with SiriusXM Guardian™ and have an active subscription that includes the applicable feature.
- Vehicle must have an operable LTE (voice/data) or 3G or 4G (data) network connection compatible with your device.
- Vehicle must be powered in the ON/RUN or ACC (Accessory) position with a properly functioning electrical system.

**WARNING!**

- Never place anything on or near the vehicle's LTE (voice/data) or 3G or 4G (data) and GPS antennas. You could prevent LTE (voice/data) or 4G (data) and GPS signal reception, which can prevent your vehicle from placing an emergency call.

*(Continued)*

**WARNING!** *(Continued)*

- Do not add any 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 POWER FOR ANY REASON (INCLUDING DURING OR AFTER AN ACCIDENT), NEITHER THE UCONNECT APPS NOR THE SIRIUSXM GUARDIAN™ SERVICES WILL OPERATE.
- The Occupant Restraint Controller (ORC) turns on the Air Bag Warning Light on the instrument panel if a malfunction in any part of the air bag system is detected. If the Air Bag Warning Light is illuminated, the air bag system may not be working properly and the SOS Call system may not be able to send a signal to the SiriusXM Guardian™ Customer Care center. If the Air Bag Warning Light is illuminated, have an authorized dealer service your vehicle immediately.

*(Continued)*

**WARNING!** *(Continued)*

- Ignoring the Rearview Mirror Light could mean you will not have SOS Call services if needed. If the Rearview Mirror Light is illuminated, have an authorized dealer service the SOS Call system immediately.
- 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 a SiriusXM Guardian™ Customer Care agent. All occupants should exit the vehicle immediately and move to a safe location.
- Failure to perform scheduled maintenance and regular inspection of your vehicle may result in vehicle damage, accident or injury.

## Remote Commands

On the Remote Commands screen, you have access to several vehicle features that can be controlled remotely from your mobile device. These features include locking/unlocking, remote starting, and activating the horn and lights of the vehicle.

**Remote Commands**

| | |
|---|---|
| 1 — Lock | Press this button to lock your vehicle. |
| 2 — Unlock | Press this button to unlock your vehicle. |
| 3 — Vehicle Start | Press this button to start your vehicle. |
| 4 — Cancel Vehicle Start | Press this button to cancel remote start. |
| 5 — Horn & Lights | Press this button to sound the horn and activate your lights. |

Remote Commands lets you send a request to your vehicle in one of three ways:

- Anywhere using your mobile device and Uconnect App
- From your computer on the Owner's Site (not available on all functions)
- Contacting SiriusXM Guardian™ Customer Care (not available on all functions)

### Using A Remote Command Through Your Mobile Device And The Uconnect App

1. Press the desired Remote Command icon on your mobile device.
2. A pop-up screen will appear asking for your SiriusXM Guardian™ Security PIN (this is the same four-digit code established when you

activated your SiriusXM Guardian™ system). Enter the SiriusXM Guardian™ Security PIN on the keypad.

3. It may take 30 seconds or more for the command to go through to your vehicle.
4. A message will let you know if the command was received by your vehicle.

### Using A Remote Command Through Your Owner's Site

1. Log on to your Owner's Site using the username and password you used when activating your SiriusXM Guardian™ services in your vehicle.

NOTE:
If you forgot your username or password, links are provided on the website to help you retrieve them.

2. If you have more than one vehicle registered into your Owner's Site, select the vehicle you want to send the command to by clicking on its image along the top.
3. On your dashboard, you will see remote commands. Press the desired icon to activate that feature.
4. You will then be asked to enter your SiriusXM Guardian™ Security PIN (this is the same four-digit code established when you activated your SiriusXM Guardian™ system). Please enter your SiriusXM Guardian™ Security PIN.
5. A message will appear on the screen to let you know if the command was received by your vehicle.

### Contacting SiriusXM Guardian™ Customer Care (for example, in case of an accidental lock-out):

1. Contact SiriusXM Guardian™ Customer Care if you are unable to lock your vehicle through the Uconnect App or your key fob.
2. For security purposes, the SiriusXM Guardian™ Customer Care agent will verify your identity by asking for your four-digit SiriusXM Guardian™ Security PIN.
3. After providing your SiriusXM Guardian™ Security PIN, you can ask them to perform a remote command.

NOTE:
Anyone with access to your PIN may request Remote Door Lock/Unlock. It is your responsibility to protect your PIN appropriately.

## Remote Door Lock/Unlock

### Description

The Remote Door Lock/Unlock feature provides you the ability to lock or unlock the door on your vehicle without the keys and from virtually any distance.

### Working Vehicle Conditions

- The vehicle must in PARK or at a standstill.
- The vehicle must be in an open area with cell tower reception.
- Your mobile device must have a cellular or Wi-Fi connection.

### Requirements

- Vehicle must be properly equipped with the SiriusXM Guardian™ system.
- Vehicle must have an operable LTE (voice/data) or 3G or 4G (data) network connection. If using the Uconnect App to command your vehicle, your device must be compatible and be connected to an operable LTE (voice/data) or 3G or 4G (data) network connection.
- Vehicle must be registered with SiriusXM Guardian™ and have an active subscription that includes the applicable feature.

- An ignition cycle is required for some remote commands, such as Remote Vehicle Start and Remote Door Lock/Unlock if following a Remote Horn & Lights activation.
- Your Remote Door Lock/Unlock request will not be processed if the vehicle is in motion, the ignition key is on or during an emergency call.

NOTE:
All other remote services should be performed via your Owner's Site or through the Uconnect App on your compatible device.

## Remote Vehicle Start

### Description

The Remote Vehicle Start feature provides you with the ability to start the engine on your vehicle without the keys and from virtually any distance. Once started, the preset climate controls in your vehicle can warm up or cool down the interior.

You can also send a command to turn off an engine that has been started using Remote Vehicle Start. After 15 minutes, if you have not entered your vehicle with the key, the engine will shut off automatically.

This remote function requires your vehicle to be equipped with a factory-installed Remote Start system.

You can set up push notifications every time a command is sent to activate or cancel Remote Start.

### Working Vehicle Conditions

- The vehicle must be off or in ACC mode.
- The vehicle has been started with the key fob within the last 14 days.
- The vehicle must be in PARK or at a standstill.
- The vehicle's security system has been armed and not triggered since the last vehicle start.
- The doors, hood, and trunk/liftgate are closed.
- The vehicle's check engine light must be off.
- The vehicle must have at least a quarter tank of fuel, along with oil and battery power.
- The vehicle's hazard lights must be off.
- If equipped, the vehicle must have an automatic transmission.
- The vehicle must be in an open area with cell tower reception.
- Your mobile device must have a cellular or Wi-Fi connection.
- If the Panic button has been pressed, the vehicle must be started at least once after alarming the system.

NOTE:
The SiriusXM Guardian™ Customer Care agents are not authorized for Remote Vehicle Start services. Contact the Uconnect Care Team for assistance

## Remote Horn & Lights

### Description

It is easy to locate a vehicle in a dark, crowded or noisy parking area by activating the horn and lights. It may also help if you need to draw attention to your vehicle for any reason.

If you want, you can set up push notifications every time a command is sent to turn on the horn and lights.

### Working Vehicle Conditions

- The vehicle must in PARK or at a standstill.
- The vehicle must be in an open area with cell tower reception.
- Your mobile device must have a cellular or Wi-Fi connection.

**NOTE:**
The Remote Horn & Lights feature is designed to be loud and get noticed. Please keep in mind the surroundings when using this feature. You are responsible for compliance with local laws, rules and ordinances in the location of your vehicle when using Remote Horn & Lights.

## Roadside Assistance Call

### Description

Vehicles equipped with the SiriusXM Guardian™ system feature will contain an ASSIST button in the vehicle. Once your SiriusXM Guardian™ services have been activated, the ASSIST button can connect you directly to customer care call centers. You will be directed to one of the four services below.

- **Roadside Assist** — If you get a flat tire or need a tow, you'll be connected to someone who can help anytime.
- **Connected Services** — Contact the SiriusXM Guardian™ Customer Care call center to activate your services, renew after your trial has expired, and for in-vehicle support for your SiriusXM Guardian™ system or help answering any general questions surrounding your connected services.
- **Uconnect Care** — In-vehicle support for all non-connected Uconnect system features, such as radio and Bluetooth® connections.
- **Vehicle Care** — Total support for your vehicle.

### SiriusXM Guardian™ In-Vehicle Assistance Features

With SiriusXM Guardian™, your vehicle has onboard assistance features located on the rearview mirror or overhead console designed to enhance your driving experience if you should ever need assistance or support.

### How It Works

Simply press the ASSIST button in the vehicle and you will be presented with your ASSIST options on the touchscreen. Make your selection by pressing the touchscreen.

### Requirements

- This feature is available only on vehicles sold in the US and Canada.
- Vehicle must be properly equipped with the SiriusXM Guardian™ system.
- Vehicle must have an operable LTE (voice/data) or 3G or 4G (data) network connection.
- Vehicle must be registered with SiriusXM Guardian™ and have an active subscription that includes the applicable feature.
- Vehicle must be powered in the ON/RUN or ACC (Accessory) position with a properly functioning electrical system.

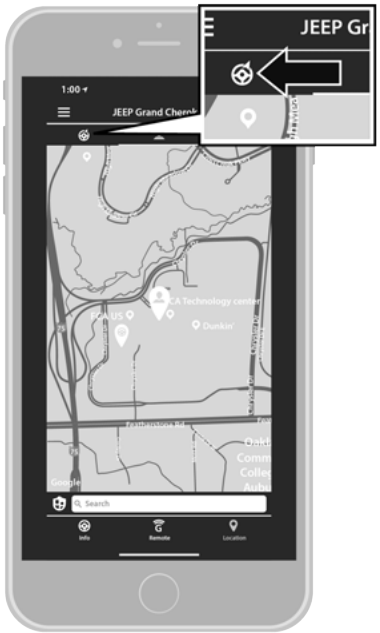
### Disclaimers

If Roadside Assistance Call is provided to your vehicle, you agree to be responsible for any additional roadside assistance service costs that you may incur. In order to provide SiriusXM Guardian™ services to you, we may record and monitor your conversations with Roadside Assistance Call, Vehicle Care, Uconnect Care, or SiriusXM Guardian™ Customer Care, whether such conversations are initiated through the SiriusXM Guardian™ services in your vehicle, or via a landline or mobile device, and may share information obtained through such recording and monitoring in accordance with regulatory requirements. You acknowledge, agree and consent to any recording, monitoring or sharing of information obtained through any such call recordings.

## Send & Go

### Description

The Send & Go feature of the Uconnect App allows you to search for a destination on your mobile device, and then send the route to your vehicle's navigation system.




**Vehicle Finder**

**Send & Go Input**

### How It Works

1. Use the Uconnect App to find the destination.
   There are multiple ways to find a destination. After selecting the “Location” tab at the bottom of the App, press the search box to browse through one of the categories provided, or type the name or keyword in the search box at the top of the App. You can also select categories such as Favorites or Contact List.
2. Select your destination from the list that appears. Location information will then be displayed on the map.

   From this screen, you will be able to:

   - View the location on a map.
   - See the distance from your current location.
   - Send the address by selecting “Send to Vehicle” from the mobile app.
3. Send the destination to the Uconnect Navigation in your vehicle. You can also call the destination by pressing the Call button.
4. Confirm your destination inside your vehicle by pressing the Send To Vehicle option on the pop-up that appears on the radio touchscreen.

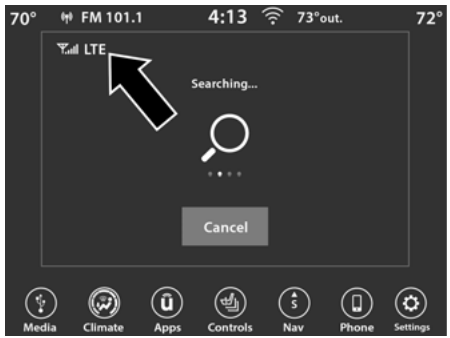
### Requirements

- Vehicle must be properly equipped with the Uconnect system and a Uconnect 4C or Uconnect 4C NAV unit.

**Uconnect 4C/4C NAV Connected Service Indicators**

1 — Activate Services (Connected Services)
2 — Navigation Button

- Vehicle must have an operable LTE (voice/data) or 3G or 4G (data) network connection compatible with your device.




**LTE Network Connection**

- Vehicle must be registered with SiriusXM Guardian™ and have an active subscription that includes the applicable feature.

## Vehicle Finder

### Description

The Vehicle Finder feature of the Uconnect App allows you to find the location of your stationary vehicle.

You can also sound the horn and flash the lights to make finding your vehicle even easier.

### How It Works

Use the Uconnect App to find the location of your vehicle.

1. Select the “Location” tab at the bottom of the App. Then, touch the Vehicle icon to find your vehicle.
2. Choose how you want to view the information by pressing the layers button. These options will appear:

**Vehicle Finder Layers**

1 — Map View
2 — Satellite View
3 — Hybrid View
4 — Show Traffic
5 — View Boundaries

3. You can also select the “Person” icon to see your location.
4. Once the vehicle has been located, you can map a route to your vehicle.

**NOTE:**

- You are responsible for using remote services that sound horn and flash lights in accordance with the laws, rules and ordinances in effect at the location of your vehicle.
- Certain SiriusXM Guardian™ services are dependent on a properly installed and operational Uconnect system, cellular network availability that is compatible with the device in your vehicle, and GPS network availability. Not all features of SiriusXM Guardian™ are available everywhere at all times, particularly in remote or enclosed areas.

### Requirements

- Vehicle Finder will not work while vehicle is in motion.
- Vehicle must be properly equipped with the Uconnect system.
- Vehicle must have an operable LTE (voice/data) or 3G or 4G (data) network connection compatible with your device.
- Vehicle must be registered with SiriusXM Guardian™ and have an active subscription that includes the applicable feature.
- Vehicle ignition must have been turned on within 14 days.

## 4G Wi-Fi Hotspot — If Equipped

### Description

4G Wi-Fi Hotspot is an in-vehicle service that connects your device to an LTE (voice/data) or 4G (data) network that is ready to go wherever you are. After you've made your purchase, turn on your device's Wi-Fi and connect your devices.

- Enables all your passengers to be simultaneously connected to the web.
- Connect several devices at one time.
- Any Wi-Fi-enabled device — such as a laptop or any other portable-enabled media — can connect over your private in-vehicle network.
- A high-speed, secured connection lets anyone on your private network access the Web — great for working and relaxing.

| WARNING! |
| --- |
| The driver should NEVER use the 4G Wi-Fi Hotspot while driving the vehicle as doing so may result in an accident involving serious injury or death. |

### Create A 4G Wi-Fi Hotspot For Use In Your Vehicle

### How It Works

The 4G Wi-Fi Hotspot feature provides the vehicle passengers with an internet access hotspot in the vehicle, using the radio as an access point. The hotspot will allow Wi-Fi-enabled in-vehicle devices (such as a laptop or any other portable-enabled media device) to wirelessly connect to the internet. Uconnect offers a complimentary 3-month trial period that includes 1GB of total data. The trial can be activated any time within the first year of new vehicle ownership.

Use one of these three ways to purchase a subscription to the 4G Wi-Fi Hotspot:

1. From your vehicle's touchscreen, select the 4G Wi-Fi Hotspot App, and press the How To Purchase button and follow the instructions.
2. Log onto your Owner's Site and click the link to the AT&T portal to get set up.
3. **For existing Connected Car customers:** Press the ASSIST button to be routed to an AT&T Customer Care agent who will assist you.

Once the 4G Wi-Fi Hotspot is purchased, you can change its name and the password by selecting the Wi-Fi Hotspot App and pressing the Setup Wi-Fi Hotspot button. You can also view the connected devices from the app screen by pressing the View Connected Devices button.

**NOTE:**
A SiriusXM Guardian™ subscription is not required in order to purchase and use the 4G Wi-Fi Hotspot.

| WARNING! |
| --- |
| Always drive safely with your hands on the steering wheel and obey all applicable laws. 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 in this vehicle when it is safe to do so. Failure to comply may result in an accident involving in serious injury or death. |

## Stolen Vehicle Assistance

### Description

If your vehicle is stolen, the SiriusXM Guardian™ Customer Care agent may be able to locate the stolen vehicle and work with law enforcement to help recover it.

### How It Works

1. If your vehicle is stolen, contact local law enforcement as soon as possible. They will work with you to file a stolen vehicle report.
2. Next, inform SiriusXM Guardian™ Customer Care that your vehicle has been stolen. The SiriusXM Guardian™ Customer Care Agent will ask for the stolen vehicle report number (as issued by your local law enforcement). If you have downloaded the Uconnect App, you can push the “Settings” menu button on your device, select “Help”, and then select “SiriusXM Guardian™ Customer Care” to make the call.
3. SiriusXM Guardian™ Customer Care will authenticate that you are the owner of the vehicle and contact the law enforcement with whom you filed the stolen vehicle report.
4. SiriusXM Guardian™ Customer Care will work with your local law enforcement to locate the vehicle. You will be contacted by law enforcement if your vehicle is recovered. While the investigation is ongoing, you should also contact your insurance company to inform it of the situation.

### Requirements

- Vehicle must be properly equipped with the Uconnect system.
- Vehicle must have an operable LTE (voice/data) or 3G or 4G (data) network connection compatible with your device.
- Vehicle must be registered with SiriusXM Guardian™ and have an active subscription that includes the applicable feature.

NOTE:
Not all features of SiriusXM Guardian™ are available everywhere at all times, particularly in remote or enclosed areas.

## Monthly Vehicle Health Report

### Description

Monthly Vehicle Health Report is a Uconnect service through which a summary of the performance of your vehicle’s key systems will be sent to you every month so you can stay on top of your vehicle’s maintenance needs. This is provided as a convenience to you and does not substitute for regular maintenance to your vehicle.

In order to provide the Monthly Vehicle Health Report, the Uconnect system in your vehicle may collect and transmit vehicle data to SiriusXM Guardian™ and to FCA, such as your vehicle's health and performance, your vehicle's location, your utilization of the features in your vehicle, and other data.

This data collection and transmission begins when you enroll in SiriusXM Guardian™ and will continue even if you cancel your SiriusXM Guardian™ subscription unless you call SiriusXM Guardian™ Customer Care and tell them to deactivate your Uconnect Services.

Please see the Uconnect Privacy Policy for more information, located at www.driveuconnect.com/connectedservices/privacy (US Residents) or www.driveuconnect.ca (Canadian Residents).

For more information on SiriusXM Guardian™ private policy, see https://siriusxmcvs.com/privacy-policy.

## Vehicle Health Alert

### Description

Your vehicle will send you an email alert if it senses a problem with one of your vehicle's key systems. For further information, go to your Owner's website.

NOTE:
Vehicle Health Alert emails require you to register and activate services. During this process you will be asked to provide an email address to which the reports will be sent.

## In-Vehicle Notifications — If Equipped

### Description

Your vehicle will send you notifications to remind you when services are needed, or to alert you of other important information, such as recall notices. When you receive a notification through your touchscreen, press OK to dismiss the message, or press Call Care to speak with a SiriusXM Guardian™ Customer Care agent.

NOTE:
Pressing OK or the X button on the pop-up screen will dismiss or close the pop-up, and the In-Vehicle Messages mailbox will display. In the Mailbox, you can reopen messages or delete messages.

## Amazon Alexa® Skill — If Equipped

Enjoy the convenience of using your voice to command your vehicle with Amazon Alexa®!

With Amazon Alexa®, you can connect to your vehicle and remotely access key services and features.

If your vehicle is equipped with Uconnect Navigation, you can send a destination directly to your vehicle using Alexa®.

If you need assistance, you can always ask Alexa® for help, or complete a list of commands by saying: "Alexa®, ask <brand name> for help with my car."

Here are a few of the many questions you can ask Alexa®:

- “Alexa®, ask <vehicle brand> to start my <vehicle name> with PIN XXXX.”
- “Alexa®, ask <vehicle brand> to lock my <vehicle name> with PIN XXXX.”
- “Alexa®, ask <vehicle brand> to send 1000 Chrysler Drive, Auburn Hills, Michigan to my <vehicle name>.”
- “Alexa®, ask <vehicle brand> what is the fuel level of my <vehicle name>.”

An active subscription to SiriusXM Guardian™ is required. To use Amazon Alexa®, first, register for SiriusXM Guardian™ ➪ page 283.

Next, link the Uconnect system on your vehicle to Amazon Alexa®:

1. Download the Amazon Alexa® app on your mobile device (Apple® or Android™).
2. Once in the app, tap MENU and go to SKILLS.
3. Search for <vehicle brand> skill, then tap Enable.
4. Tap SAVE SETTINGS when prompted.
5. Link the vehicle brand name to the <vehicle brand> Skill by tapping LINK ACCOUNT.
6. Log in using your Owner Account credentials. This will be the same user name and password you used when registering for SiriusXM Guardian™ Connected Services.
7. CONFIRM account to return to the <vehicle brand> Skill.

You can now begin using the <vehicle brand> Skill on Alexa®!

## Google Assistant — If Equipped

With the Google Assistant, you can get help and keep tabs on your car. The Assistant is available across your devices, including Android™ phones, iPhone® devices, or voice-activated speakers, like Google Home. If you need assistance, ask Google for help, or for a complete list of commands by saying: “Hey Google, ask <brand name> for help with my car.”

Here are a few examples of commands:

- “Hey Google, ask <vehicle brand> to start my <vehicle name> with PIN XXXX.”
- “Hey Google, ask <vehicle brand> to lock my <vehicle name> with PIN XXXX.”
- “Hey Google, ask <vehicle brand> to send 1000 Chrysler Drive, Auburn Hills, Michigan to my <vehicle name>.”
- “Hey Google, ask <vehicle brand> what is the fuel level of my <vehicle name>.”

To link your Uconnect account with Google Assistant, follow these steps:

1. Download and install the Google Assistant app on your smart phone from the App Store® or Google Play.
2. After installation, log in to the Google Assistant app with your Gmail ID. Verify your account by pressing the icon in the upper right hand corner.
3. Press the Discover button in the bottom left corner of the screen. Enter the vehicle brand name.

4. A prompt will appear to link your Uconnect account. Press “Link Uconnect to Google”.
5. Press “Sign In” and enter the email address and password you created when you activated Uconnect services.
6. Lastly, press “Authorize” to complete the linking process.

Now, you can ask Google Assistant to help you:

- Remotely start the engine, or cancel a remote start
- Send a destination to their vehicle’s built-in Uconnect Navigation system
- Monitor vehicle vitals, such as tire press, fuel level and oil life
- And more!

## Family Drive Alerts — If Equipped

### Description

Family Drive Alerts help promote safer driving and give you peace of mind when your loved ones are out on the road. You can set boundary limits, monitor driving speed, and pinpoint your vehicle’s location any time, any place. Use the Uconnect app to set alerts:

- **Boundary Alert**

  Receive a notification the moment your vehicle is driven either out of or into a geographic boundary that you set.
- **Curfew Alert**

  Receive a notification when your car is being driven outside of the curfew time.
- **Speed Alert**

  Receive a notification whenever your car exceeds a speed limit you set.
- **Valet Alert**

  Receive a notification if and when your vehicle is driven outside a quarter-mile radius of a valet drop-off zone.

## SmartWatch Integration — If Equipped

### Description

SmartWatch Integration puts the Uconnect app right on your Apple® Watch or Android™ Wear. To get started, follow these steps:

1. Download the Uconnect app from the App Store® or Google Play.
2. Log onto the app from your smartphone using the username and password you created when you first set up your account.
3. Make sure your watch and smartphone are connected through Bluetooth®.
4. The Uconnect app should appear on your SmartWatch.

Once the app is downloaded on your SmartWatch, you can enjoy these features:

- Lock or unlock your vehicle by tapping the remote lock button in the app and entering your security PIN.
- Remote start or stop your vehicle.
- View important vehicle stats, such as fuel level, vehicle location, tire pressure warning, and more.

For help, refer to the Uconnect YouTube channel for SmartWatch Integration.

## Uconnect Market

With Uconnect Market, you can enjoy seamless and secure transactions from the comfort of your vehicle. Make restaurant reservations, place food orders, or pay for other goods and services right from the vehicle’s touchscreen.

To get started with Uconnect Market on the touchscreen:

1. Press the Market button in the Uconnect App drawer.
2. Press “Get Started”.
3. Press “Text Me A Link” and enter your phone number to receive a text message with instructions on how to set up Uconnect Market.

NOTE:
If the text message does not come through, press the Resend Text button. It might take a minute to receive the text message.

4. Once you receive the text message, press the link provided. You will be directed to a Sign-in screen. Enter your email and password. You will now be able to use Uconnect Market.
5. If you do not have an account, press “Register Now” to create one.
6. Accept the Uconnect market Terms of Service.
7. Enter your credit card information, and press “Next”.
8. Enter your phone number, and press “Next”.
9. The system will verifying the phone number. Once verified, Uconnect Market will be available to use. Press the OK button.

From the online portal, https://market.mopar.com/home, you can link loyalty accounts and start receiving benefits from them while still using Uconnect Market and view your purchase history.

### Manage My SiriusXM Guardian™ Account

To manage your SiriusXM Guardian™ account, press the ASSIST button in your vehicle, or call SiriusXM Guardian™ Customer Care.

NOTE:
It is recommended, when selling your vehicle, or turning in your lease, to call SiriusXM Guardian™ Care to remove your personal data.

## CONNECTED SERVICES FAQS

For additional information about SiriusXM Guardian™, active subscribers can push the ASSIST button and then select SiriusXM Guardian™ Call on your in-vehicle touchscreen to contact SiriusXM Guardian™. Your call will be directed to a SiriusXM Guardian™ agent or held in a queue until an agent is available. If you do not have an active subscription, push the ASSIST button and click the Activate button on the touchscreen to activate services.

### Connected Services SOS FAQs

1. **What happens if I accidentally push the SOS Call button on the mirror?** You have 10 seconds after pushing the SOS Call button to cancel the call. To cancel the call, either push the SOS Call button again, or press the Cancel button on the in-vehicle touchscreen.
2. **What type of information is sent when I use the SOS Call button from my vehicle?** Certain vehicle information, such as make and model, is transmitted along with the last known GPS location.
3. **When could I use the SOS Call button?** You can use the SOS Call button to make a call if you or someone else needs emergency assistance.

## Connected Services Remote Door Lock/Unlock FAQs

1. **How long does it take to unlock or lock the door?** Depending on various conditions, it can take up to three minutes or more for the request to get to your vehicle.
2. **Which is faster, my key fob or the Uconnect App?** Your key fob will lock/unlock the door more quickly, however its range is limited and your Uconnect App comes in handy for these and other situations.
3. **Will my vehicle be safe if I lose my device?** People sometimes lose their mobile devices, which is why security measures have been engineered into the Uconnect App. Asking for your username, password and SiriusXM Guardian™ Security PIN are required for the activation of Remote services through your mobile device. It is your responsibility to protect your passwords and PINs.
4. **Why can't all mobile devices use the Uconnect App?** The Uconnect App is compatible with most devices with the Apple® and Android™ operating systems. The capabilities of these devices allow us to remotely command your vehicle. Other operating systems may be supported in the future.
5. **Why is the Uconnect App running slow?** The Uconnect App relies on a mobile network connection from your device to send commands to your vehicle which must have an operable LTE (voice/data) or 3G, 4G (data), or 5G (data) network connection. If either your device or your vehicle is in an area with below average coverage, it may take longer to log in and send commands.

## Connected Services Roadside Assistance FAQs

1. **What is the phone number for roadside assistance call?** The phone number is:
   - US: 1-800-521-2779
   - Canada: 1-800-363-4869
2. **If I am subscribed to SiriusXM Guardian™, does it cover towing or other expenses incurred by using roadside assistance?** No, however your new vehicle may include Roadside Assistance Call services.

## Connected Services Send & Go FAQs

1. **How long does it take to send the route and destination to my vehicle?** Depending on various conditions, it can take up to three minutes for the request to get through to your vehicle.
2. **Can I cancel a route I sent to my vehicle?** Yes, once you enter your vehicle, and start the engine, the pop-up message stating that you have a new route will appear. There is an exit button on the pop-up that will cancel the route if selected.
3. **Can I select a different route than the most recent one I sent to my vehicle?** Yes, once you enter the vehicle, and start the engine, the pop-up message offers a "Locations" option. Once "Locations" is selected, you can choose from a list of recently sent destinations.

## Connected Services Vehicle Finder FAQs

1. **Can someone else locate my vehicle?** Your vehicle may be located by anyone who has your PIN and access to your account. It is your responsibility to guard your PIN accordingly. See the Uconnect and SiriusXM Guardian™ terms of service for more information.
2. **How long does it take to sound my horn and flash the lights?** Depending on various conditions, it can take three minutes or more for the request to get through to your vehicle.
3. **How do I turn off the horn and lights after I turn them on?** If you are close enough to the vehicle, you can use the key fob to turn off the horn and lights by pressing the red Panic button.

## Connected Services Stolen Vehicle Assistance FAQs

1. **Can someone locate my vehicle?** To enhance your privacy, and the privacy of others using your vehicle, a stolen vehicle police report is required for you to activate this service. You must involve local law enforcement to have SiriusXM Guardian™ locate your vehicle. We may also locate the vehicle for other law enforcement or government agencies, subject to a valid court order telling SiriusXM Guardian™ to do so. We will also provide the service for FCA entities to locate a vehicle that you have purchased through them.
2. **How will I know if my vehicle is recovered?** After you provide the SiriusXM Guardian™ Customer Care agent with the stolen vehicle report, the agent will work together with law enforcement to try to locate your vehicle. If your vehicle is recovered, you will be contacted by law enforcement.
3. **Can SiriusXM Guardian™ lower my insurance rates?** Some insurance providers offer lower rates on vehicles equipped with systems that can deter auto theft. When shopping for insurance, be sure to inform the insurance provider of your SiriusXM Guardian™ services subscription to find out if the insurance provider can offer you a lower rate.

**NOTE:**
Neither FCA nor SiriusXM® are insurance companies, and SiriusXM Guardian™ is not an insurance product. You are responsible for obtaining insurance coverage for your vehicle and yourself.

## Connected Services Remote Vehicle Start FAQs

1. **How long does it take to remotely start my vehicle?** Depending on various conditions, it can take three minutes or more for the request to get through to your vehicle.
2. **Which is faster, my key fob or the Uconnect App?** Your key fob will remote start your vehicle more quickly. However its range is limited. For example, when you are leaving the stadium after the game, you can use the Uconnect App to remote start your vehicle and have the inside of your vehicle comfortable by the time you get to it.
3. **Will my vehicle be safe if I lose my wireless device?** People sometimes lose their wireless devices, which is why security measures have been engineered into the Uconnect App. Asking for your username,

password and SiriusXM Guardian™ Security PIN help to ensure that nobody can start your vehicle if they happen to find your device.

4. **Can someone drive off with my vehicle using the App?** No. Driving your vehicle still requires the keys to be in the vehicle. The Remote Start feature simply starts the engine to warm up or cool down the interior before you arrive.

5. **Can I stop a vehicle that is being driven with the cancel Remote Vehicle Start command?** No. If the vehicle is in motion, the cancel Remote Vehicle Start button will not stop the vehicle.

6. **Why can't all mobile devices use the Uconnect App?** The Uconnect App has been designed to work on most devices with the Apple® and Android™ operating systems. The capabilities of these devices allow us to remotely command your vehicle. Other operating systems may be supported in the future.

## Connected Services Remote Horn & Lights FAQs

1. **How long does it take to sound my horn and flash the lights?** Depending on various conditions, it can take three minutes or more for the request to get through to your vehicle.

2. **Which is faster, my key fob or the Uconnect App?** Your key fob will sound the horn and flash the lights quicker; however its range is limited.

3. **How do I turn off the horn and lights after I turn them on?** If you are close enough to the vehicle, you can use the key fob to turn off the horn and lights by pressing the red Panic button. Otherwise, Remote Horn & Lights will continue for a maximum of three minutes.

4. **Why can't all mobile devices use the Uconnect App?** The Uconnect App has been designed to work on most devices with the Apple® and Android™ operating systems. The capabilities of these devices allow us to remotely command your vehicle. Other operating systems may be supported in the future.

## Connected Services Account FAQs

1. **How do I register for my SiriusXM Guardian™ account?** There are three ways that you can register your SiriusXM Guardian™ Account:
   - Push the Assist button. A call will be placed to an agent who can assist in registering your new account.
   - Press the Activate Services icon in the Apps menu. Select the button to speak with an agent, who can assist in registering your new account.
   - Press the Activate Services icon in the Apps menu. Enter your email on the touchscreen and then follow the prompts from the provided email. You will receive an email with an activation link that will be good for 72 hours. Once you click the activation link, you will be prompted to fill out your information and accept Terms and Conditions. Then, you will be directed to the SiriusXM Guardian™ home page to complete your profile and demo the remote services.

2. **Why do I need an email address?** Without an email address, customers cannot register for SiriusXM Guardian™. Customers need to register so they can subscribe to receive additional services and create a SiriusXM Guardian™ Security PIN for remote command requests.

3. **How do I create a SiriusXM Guardian™ security PIN?** Set up your SiriusXM Guardian™ Security PIN during the registration process. The SiriusXM Guardian™ Security PIN will be required to authenticate you when accessing your account via SiriusXM Guardian™ Call or performing any remote services, such as Remote Door Lock/Unlock, Remote Horn & Lights, or Remote Vehicle Start.

4. **What if I forgot my SiriusXM Guardian™ security PIN?** If you've already activated services and forgot your SiriusXM Guardian™ Security PIN, you can reset the PIN by selecting Edit Profile on your Owner's Site.

5. **How do I update my SiriusXM Guardian™ payment account address?** Your SiriusXM Guardian™ Payment Account address can be updated online, or by calling SiriusXM Guardian™ Customer Care from ASSIST in your vehicle. To update online: login to your Owner's Site, and select Edit Profile > SiriusXM Guardian™ Payment Account.

6. **How do I update my SiriusXM Guardian™ profile?** Your name, home address, phone number, email address and SiriusXM Guardian™ Security PIN can be updated online on your Owner's Site. Log in to your Owner's Site then select Edit Profile to edit your personal information. Make your edits and click Save.

7. **Can I try features or packages before I buy them?** Your new vehicle purchase may have come with an included trial period for certain Apps and services.

8. **Can I access every App and service while driving?** No, some applications and services are not available while driving. For your own safety, it is not possible to use some of the touchscreen features while the vehicle is in motion (e.g. key pad).

9. **What happens when my subscription comes up for renewal?** If you have added a credit card to your account information, your subscription will be automatically renewed for a term length in accordance with the service plan that you have selected at the then current subscription rate and on every renewal date thereafter, unless you cancel your subscription by calling SiriusXM Guardian™ Care. If you have not added a credit card to your account, SiriusXM Guardian™ will send you an email or letter in advance of your expiration date to remind you that your subscription is ending soon.

10. **How do I manage my SiriusXM Guardian™ notification preferences?** Contact SiriusXM Guardian™ Customer Care, or go to your Owner's Site and then update your preferences on the SiriusXM Guardian™ customer web portal.

11. **How do I purchase a subscription?** Contact SiriusXM Guardian™ Customer Care by pushing the ASSIST button on your rearview mirror.

12. **How do I update my credit card information?** Login to your Owner's Site, and select Edit Profile, then select SiriusXM Guardian™ Payment Account.

13. **How do I find out how much longer I have on my subscription?** Contact SiriusXM Guardian™ Customer Care.

    You also can visit your Owner's Site and choose a subscription to view its expiration date. When your subscription is about to expire, you will receive an email or letter of notification.

14. **Can I get a refund if I have not used the entire subscription?** Prorated refunds are provided from the date of cancellation for annual plans or longer. Please see the Uconnect and SiriusXM Guardian™ Terms & Conditions for refunds related to billing plans of other lengths and other circumstances.

15. **Can I cancel a subscription before it expires?** Yes. If you have an annual subscription, your subscription will be canceled the day you cancel. If you have a monthly subscription, your subscription will be canceled on the last day of the month in which you choose to cancel.

16. **What should I do if I want to sell my vehicle?** Before your vehicle is sold to a new owner, you'll want to remove your account information. This process removes all personal information, returns the Uconnect system to its original factory settings, removes all SiriusXM Guardian™ services and account information. To remove your account information from the Uconnect system, contact SiriusXM Guardian™ Customer Care.

17. **What if I forgot to remove my account information before I returned my lease vehicle or sold it?** Contact SiriusXM Guardian™ Customer Care.

18. **What will happen if an operable LTE (voice/data), 4G (data), or 5G (data) network connection compatible with my device is temporarily unavailable?** The SOS Call and ASSIST buttons will NOT function if you are not connected to an operable LTE (voice/data) or 3G, 4G (data), 5G (data) network. Services that required your smartphone only direct calls to Roadside Assistance Call may be functioning if you have an operable network.

## Data Collection & Privacy

The Uconnect system collects and transmits data which may include information about your vehicle, your vehicle's health and performance, your vehicle's location, your utilization of the features in your vehicle, and other data. The collection, use and sharing of this information is required to provide the SiriusXM Guardian™ services and is further described by the Uconnect Privacy Policy, which can be found at www.driveuconnect.com/connectedservices/privacy (US Residents) or www.driveuconnect.ca (Canadian Residents). This information may be collected by SiriusXM® Connected Vehicle Services Inc. and shared with FCA US LLC for the purposes stated in the Uconnect Privacy Policy. Vehicle health and diagnostic information including location data may be used by Uconnect to provide a Vehicle Health Report to you.

**Even if you cancel your SiriusXM Guardian™ subscription, this vehicle diagnostic health information, including location data, may still be transmitted from your vehicle and you may still have a Vehicle Health Report sent to you.**

Use of any of the Uconnect Services including SiriusXM Guardian™ is deemed to be your consent to the collection, use and disclosure of this information in accordance with the Uconnect Privacy Policy. If you do not want this information to be collected, used, or shared, you must cancel your Uconnect services in their entirety by contacting us as referenced in the Uconnect Privacy Policy.

## OFF-ROAD PAGES — IF EQUIPPED

Your vehicle may be equipped with Off-Road Pages which display vehicle information related to the drivetrain, transfer case, and coolant/oil gauges.

To access Off-Road Pages, press the Apps button on the touchscreen, and then select Off-Road Pages.

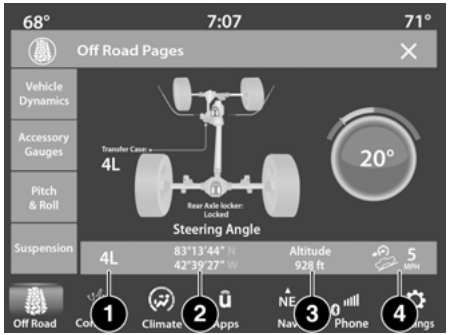
**Main Menu**

1 — Uconnect Apps Button
2 — Off-Road Pages App

### OFF-ROAD PAGES STATUS BAR

The Off-Road Pages Status Bar is located along the bottom of Off-Road Pages and is present in each of the three selectable page options. It provides information for the following items:

1. Transfer Case Status
2. Latitude/Longitude
3. Altitude of the vehicle
4. Status of Hill Descent Control and Speed in MPH (km/h)




**Status Bar 2WD/4WD**

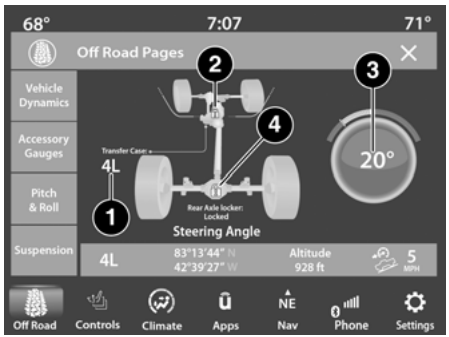
1 — Transfer Case Status
2 — Latitude/Longitude
3 — Altitude
4 — Hill Descent Control Status

## VEHICLE DYNAMICS

The Vehicle Dynamics page displays information concerning the vehicle's transfer case and steering angel.

The following information is displayed:

1. Status of Transfer Case
2. Status of Front Axles — If Equipped
3. Status of the Rear Axles
4. Steering angle in degrees

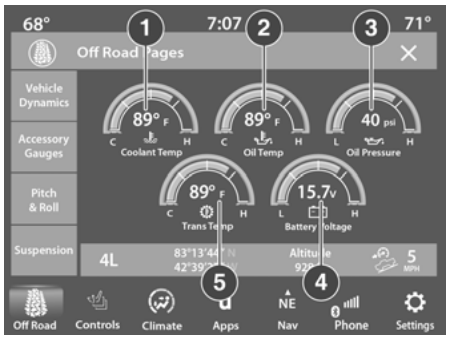



**Drivetrain Menu 2WD/4WD**

1 — Transfer Case Status
2 — Front Axle Locker Status
3 — Steering Angle
4 — Rear Axle Locker Status

## ACCESSORY GAUGE

The Accessory Gauge page displays the current status of the vehicle's Coolant Temperature, Oil Temperature, Oil Pressure, Transmission Temperature, and Battery Voltage.

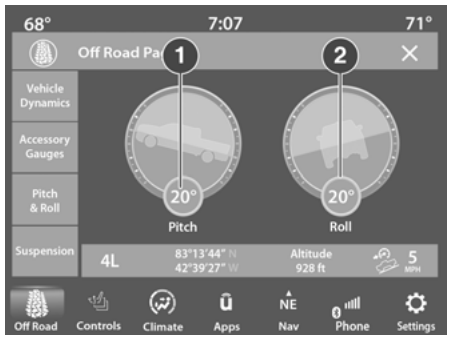



**Accessory Gauge Menu 2WD/4WD**

1 — Coolant Temperature
2 — Oil Temperature
3 — Oil Pressure
4 — Battery Voltage
5 — Transmission Temperature

## 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 gauge provide a visualization of the current vehicle angle.

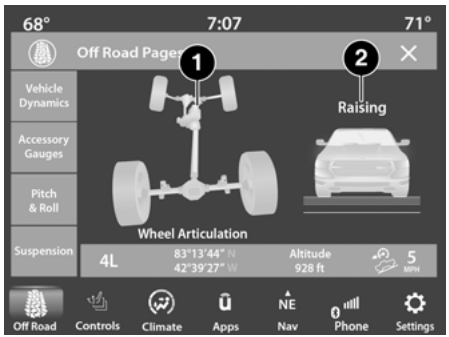



**Pitch & Roll Menu 2WD/4WD**

1 — Current Pitch
2 — Current Roll

### Suspension

The Suspension page displays the current status of the vehicle's suspension system and the current ride height of the vehicle. The Suspension page will also indicate when the vehicle's height changes.




**Accessory Gauge Menu 2WD/4WD**

1 — Wheel Articulation

2 — Height Status

## 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 relocating the mobile phone antenna. This condition is not harmful to the radio. If your radio performance does not satisfactorily "clear" by the repositioning of the antenna, it is recommended that the radio volume be turned down or off during mobile phone operation when not using Uconnect (if equipped).

### Regulatory And Safety Information

#### USA/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 in (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 ➪ page 482.

# SAFETY FEATURES

## ANTI-LOCK BRAKE SYSTEM (ABS)

The ABS provides increased vehicle stability and brake performance under most braking conditions. The system automatically prevents wheel lock, and enhances vehicle control during braking.

The ABS performs a self-check cycle to ensure that the ABS is working properly each time the vehicle is started and driven. During this self-check, you may hear a slight clicking sound as well as some related motor noises.

The ABS is activated during braking when the system detects 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(s).

You also may experience the following normal characteristics when ABS activates:

- ABS motor noise or clicking sounds (you may continue to hear 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 the Original Equipment Manufacturer (OEM) tires. Modification may result in degraded ABS performance.

**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.

*(Continued)*

**WARNING!** *(Continued)*

- 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 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 stay on for as long as four seconds.

If the ABS Warning Light remains on or comes on while driving, it indicates that the anti-lock portion of the brake system is not functioning and that service is required. However, the conventional brake system will continue to operate normally if the ABS Warning Light is on.

If the ABS Warning Light is on, the brake system should be serviced as soon as possible to restore the benefits of anti-lock brakes. If the ABS Warning Light does not come on when the ignition is placed in the ON/RUN mode, have the light repaired as soon as possible.

## Electronic Brake Control (EBC) System

Your vehicle is equipped with an advanced Electronic Brake Control (EBC) system. This system includes Anti-Lock Brake System (ABS), Brake Assist System (BAS), Electronic Brake Force Distribution (EBD), Electronic Roll Mitigation (ERM), Electronic Stability Control (ESC), Hill Start Assist (HSA), and Traction Control System (TCS). These systems work together to enhance both vehicle stability and control in various driving conditions.

Your vehicle may also be equipped with Trailer Sway Control (TSC) and Hill Descent Control (HDC).

### Brake Assist System (BAS)

The 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 application, and then applies optimum pressure to the brakes. This can help reduce braking distances. The BAS complements the Anti-Lock Brake System (ABS). Applying the brakes very quickly results in the best BAS assistance. To receive the benefit of the system, you must apply continuous braking 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, the BAS is deactivated.

**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.

### 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 stay on for as long as four seconds.

If the Brake System Warning Light remains on or comes on while driving, it indicates that the brake system is not functioning properly and that immediate service is required. If the Brake System Warning Light does not come on when the ignition is placed in the ON/RUN mode, have the light repaired as soon as possible.

## Electronic Brake Force Distribution (EBD)

EBD manages the distribution of the braking torque between the front and rear axles by limiting braking pressure to the rear axle. This is done to prevent overslip of the rear wheels to avoid vehicle instability, and to prevent the rear axle from entering the Anti-Lock Brake System (ABS) before the front axle.

## Electronic Roll Mitigation (ERM)

The ERM system anticipates the potential for wheel lift by monitoring the driver's steering wheel input and the speed of the vehicle. When ERM determines that the rate of change of the steering wheel angle and vehicle's speed are sufficient to potentially cause wheel lift, it then applies the appropriate brake and may also reduce engine power to lessen the chance that wheel lift will occur. ERM can only reduce the chance of wheel lift occurring during severe or evasive driving maneuvers; it cannot prevent wheel lift due to other factors, such as road conditions, leaving the roadway, striking objects or other vehicles.

**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 roll overs, 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.

## Electronic Stability Control (ESC)

ESC enhances directional control and stability of the vehicle under various driving conditions. ESC corrects for oversteering or understeering of the vehicle by applying the brake of the appropriate wheel(s) to counteract the above conditions. Engine power may also be reduced to help the vehicle maintain the desired path.

- Oversteer — when the vehicle is turning more than appropriate for the steering wheel position.
- Understeer — when the vehicle is turning less than appropriate for the steering wheel position.

ESC uses sensors in the vehicle to determine the vehicle path intended by the driver and compares it to the actual path of the vehicle. When the actual path does not match the intended path, ESC applies the brake of the appropriate wheel to assist in counteracting the oversteer or understeer condition.

The ESC Activation/Malfunction Indicator Light located in the instrument cluster will start to flash as soon as the ESC system becomes active. The ESC Activation/Malfunction Indicator Light also flashes when the 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. Be sure to adapt your speed and driving to the prevailing 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.

*(Continued)*

**WARNING!** *(Continued)*

- 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 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.

## ESC Operating Modes

Depending upon model and mode of operation, the ESC system may have multiple operating modes.

### ESC On

This is the normal operating mode for the ESC. Whenever the vehicle is started, the ESC system will be in this mode. This mode should be used for most driving conditions. Alternate ESC modes should only be used for specific reasons as noted in the following paragraphs.

### Partial Off

This mode may be useful if the vehicle becomes stuck. This mode may modify TCS and ESC thresholds for activation, which allows for more wheel spin than normally allowed.

To enter the "Partial Off" mode, momentarily push the ESC OFF switch and the ESC OFF Indicator Light will illuminate. To turn the ESC on again, momentarily push the ESC OFF switch and the ESC OFF Indicator Light will turn off.

**NOTE:**
For vehicles with multiple partial ESC modes, the push and release of the button will toggle the ESC modes. Multiple attempts 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.

### Full Off — If Equipped

This mode is intended for off-highway or off-road use only and should not be used on any public roadways. In this mode, TCS and ESC features are turned off. To enter the “Full Off” mode, push and hold the ESC OFF switch for five seconds while the vehicle is stopped with the engine running. After five seconds, a chime will sound, the ESC OFF Indicator Light will illuminate, and the “ESC OFF” message will display in the instrument cluster. To turn ESC on again, momentarily push the ESC OFF switch.

**NOTE:**
System may switch from ESC “Full Off” to “Partial Off” mode when vehicle exceeds a predetermined speed. When the vehicle speed slows below the predetermined speed the system will return to ESC “Full Off”.

ESC modes may also be affected by drive modes (if equipped).

**WARNING!**

- In the ESC “Full Off” mode, the engine torque reduction and stability features are disabled. Therefore, enhanced vehicle stability offered by the ESC system is unavailable. In an emergency evasive maneuver, the ESC system will not engage to assist in maintaining stability. ESC “Full Off” mode is intended for off-highway or off-road use only.

*(Continued)*

**WARNING!** *(Continued)*

- The 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 all accidents, including those resulting from excessive speed in turns, driving on very slippery surfaces, or hydroplaning. ESC also cannot prevent collisions.

## ESC Activation/Malfunction Indicator Light And ESC OFF Indicator Light

The ESC Activation/Malfunction Indicator Light in the instrument cluster will come on when the ignition is placed in the ON/RUN mode. It should go out with the engine running. If the ESC Activation/Malfunction Indicator Light comes on continuously with the engine running, a malfunction has been detected in the ESC system. If this 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.

The ESC Activation/Malfunction Indicator Light starts to flash as soon as the tires lose traction and the ESC system becomes active. The ESC Activation/Malfunction Indicator Light also flashes when 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. Be sure to adapt your speed and driving to the prevailing road conditions.

The ESC OFF Indicator Light indicates that the Electronic Stability Control (ESC) is in a reduced mode.

NOTE:

- The ESC Activation/Malfunction Indicator Light and the ESC OFF Indicator Light come on momentarily each time the ignition is placed in the ON/RUN mode.
- Each time the ignition is placed in the ON/RUN mode, the ESC system will be on even if it was turned off previously.
- The ESC system will make buzzing or clicking sounds when it is active. This is normal; the sounds will stop when ESC becomes inactive following the maneuver that caused the ESC activation.

## Hill Descent Control (HDC) — If Equipped

HDC is intended for low speed off-road driving while in 4WD Low. HDC maintains vehicle speed while descending hills during various driving situations. HDC controls vehicle speed by actively controlling the brakes.

### HDC Has Three States:

1. Off (feature is not enabled and will not activate).
2. Enabled (feature is enabled and ready but activation conditions are not met, or driver is actively overriding with brake or throttle application).
3. Active (feature is enabled and actively controlling vehicle speed).

### Enabling HDC

HDC is enabled by pushing the HDC switch, but the following conditions must also be met to enable HDC:

- Driveline is in 4WD Low.
- Vehicle speed is below 5 mph (8 km/h).
- The parking brake is released.
- The driver door is closed.

### Activating HDC

Once HDC is enabled it will activate automatically if driven down a grade of sufficient magnitude. The set speed for HDC is selectable by the driver, and can be adjusted by using the gear shift +/-. The following summarizes the HDC set speeds:

### HDC Target Set Speeds

- P = No set speed. HDC may be enabled but 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:
During HDC the +/- shifter input is used for HDC target speed selection, but will not affect the gear chosen by the transmission. When actively controlling HDC the transmission will shift appropriately for the driver-selected set speed and corresponding driving conditions.

### Driver Override

The driver may override HDC activation with throttle or brake application at any time.

### Deactivating HDC

HDC will be deactivated but remain available if any of the following conditions occur:

- The driver overrides HDC set speed with throttle or brake application.
- The vehicle speed exceeds 20 mph (32 km/h) but remains below 40 mph (64 km/h).
- The vehicle is on a downhill grade of insufficient magnitude, is on level ground, or is on an uphill grade.
- The vehicle is shifted to PARK.

### Disabling HDC

HDC will be deactivated and disabled if any of the following conditions occur:

- The driver pushes the HDC switch.
- The driveline is shifted out of the 4WD Low.
- The parking brake is applied.
- The driver door opens.
- The vehicle is driven greater than 20 mph (32 km/h) for greater than 70 seconds.
- The vehicle is driven greater than 40 mph (64 km/h) (HDC exits immediately).
- HDC detects excessive brake temperature.

### Feedback To The Driver

The instrument cluster has an HDC icon and the HDC switch has an LED icon, which offers feedback to the driver about the state HDC is in.

- The cluster icon and switch lamp will illuminate and remain on solid when HDC is enabled or activated. This is the normal operating condition for HDC.
- The cluster icon and switch lamp will flash for several seconds, then extinguish when the driver pushes the HDC switch but enable conditions are not met.
- The cluster icon and switch lamp will flash for several seconds, then extinguish when HDC disables due to excess speed.
- The cluster icon and switch lamp will flash when HDC deactivates due to overheated brakes. The flashing will stop and HDC will activate again once the brakes have cooled sufficiently.

| 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)

HSA is designed to mitigate roll back from a complete stop while on an incline. If the driver releases the brake while stopped on an incline, HSA will continue to hold the brake pressure for a short period. If the driver does not apply the throttle before this time expires, the system will release brake pressure and the vehicle will roll down the hill as normal.

The following conditions must be met in order for HSA to activate:

- The feature must be enabled.
- The vehicle must be stopped.
- The parking brake must be off.
- The driver door must be closed.
- The vehicle must be on a sufficient grade.
- The gear selection must match vehicle uphill direction (i.e., vehicle facing uphill is in forward gear; vehicle backing uphill is in REVERSE gear).
- HSA will work in REVERSE gear and all forward gears. The system will not activate if the transmission is in PARK or NEUTRAL.

**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.

## Disabling And Enabling HSA

This feature can be turned on or turned off. To change the current setting, proceed as follows:

If disabling HSA using Uconnect Settings ➪ page 237.

## Towing With HSA

HSA will also provide assistance to mitigate roll back while towing a trailer.

**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 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.

### Ready Alert Braking (RAB)

RAB may reduce the time required to reach full braking during emergency braking situations. It anticipates when an emergency braking situation may occur by monitoring how fast the throttle is released by the driver. The Electronic Brake Control System will prepare the brake system for a panic stop.

### Traction Control System (TCS)

TCS monitors the amount of wheel spin of each of the driven wheels. If wheel spin is detected, the TCS may apply brake pressure to the spinning wheel(s) and/or reduce engine power to provide enhanced acceleration and stability. A feature of the TCS, Brake Limited Differential (BLD), functions similarly to a limited slip differential and controls the wheel spin across a driven axle. If one wheel on a driven axle is spinning faster than the other, the system will apply the brake of the spinning wheel. This will allow more engine torque to be applied to the wheel that is not spinning. BLD may remain enabled even if TCS and Electronic Stability Control (ESC) are in reduced modes.

### Trailer Sway Control (TSC)

TSC uses sensors in the vehicle to recognize an excessively swaying trailer and will take the appropriate actions to attempt to stop the sway.

**NOTE:**
TSC cannot stop all trailers from swaying. Always use caution when towing a trailer and follow the trailer tongue weight recommendations ➪ page 214.

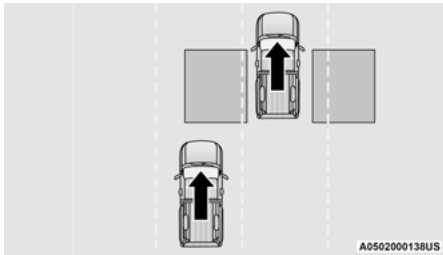
When TSC is functioning, the ESC Activation/Malfunction Indicator Light will flash, the engine power may be reduced and you may feel the brakes being applied to individual wheels to attempt to stop the trailer from swaying. TSC is disabled when the ESC system is in the “Partial Off” or “Full Off” modes.

| 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. |

# AUXILIARY DRIVING SYSTEMS

## Blind Spot Monitoring (BSM) — If Equipped

BSM uses two radar sensors, located inside the taillights, to detect highway licensable vehicles (automobiles, trucks, motorcycles, etc.) that enter the blind spot zones from the rear/front/side of the vehicle.




**Rear Detection Zones**

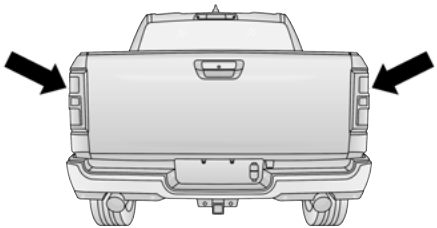
When the vehicle is started, the BSM Warning Light will momentarily illuminate in both outside rearview mirrors to let the driver know that the system is operational. The BSM system sensors operate when the vehicle is in any forward gear or REVERSE and enters standby mode when the vehicle is in PARK.

The BSM detection zone covers approximately one lane width on both sides of the vehicle 12 ft (3.8 m). The zone length starts at the outside rear view mirror and extends approximately 10 ft (3 m) beyond the rear fascia/bumper of the vehicle. The BSM system monitors the detection zones on both sides of the vehicle when the vehicle speed reaches approximately 6 mph (10 km/h) or higher and will alert the driver of vehicles in these areas.

NOTE:

- The BSM system DOES NOT alert the driver about rapidly approaching vehicles that are outside the detection zones.
- BSM may experience dropouts (blinking on and off) of the side mirror warning indicator lamps when a motorcycle or any small object remains at the side of the vehicle for extended periods of time (more than a couple of seconds).

The vehicle's taillights, where the radar sensors are located, must remain free of snow, ice, and dirt/road contamination so that the BSM system can function properly. Do not block the taillights with foreign objects (bumper stickers, bicycle racks, etc.).




**Radar Sensor Locations**

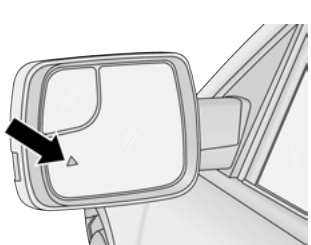
If the system detects degraded performance due to contamination or foreign objects, a message will warn you of a blocked sensor and the warning indicators in side view mirrors will be on. The warning indicators will remain illuminated until blockage clearing conditions are met. First clear the taillights around the sensors of the blockage. After removing the blockage, the following procedure can be used to reset the system:

Cycle the ignition from ON to OFF and then back ON.

If the blockage message is still present after cycling the ignition and driving in traffic, check again for a blockage.

The system may also detect a blockage if the vehicle is operated in areas with extremely low radar returns such as a desert or parallel to a large elevation drop.

The BSM system notifies the driver of objects in the detection zones by illuminating the BSM warning light located in the outside mirrors, in addition to sounding an audible (chime) alert and reducing the radio volume ➪ page 322.

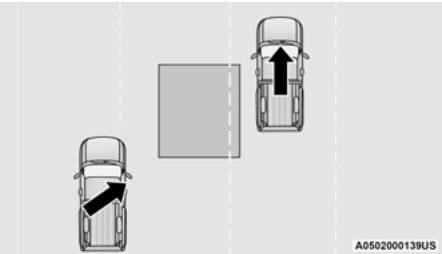



**Warning Light Location**

The BSM system monitors the detection zone from three different entry points (side, rear, front) while driving to see if an alert is necessary. The BSM system will issue an alert during these types of zone entries.

### Entering From The Side

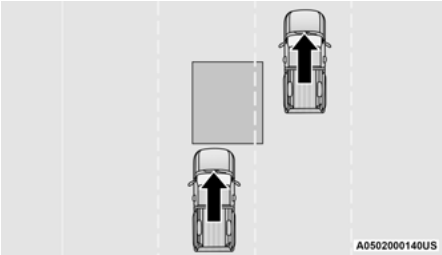
Vehicles that move into your adjacent lanes from either side of the vehicle.




**Side Monitoring**

### Entering From The Rear

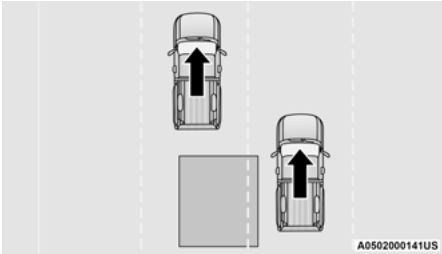
Vehicles that come up from behind your vehicle on either side and enter the rear detection zone with a relative speed of less than 30 mph (48 km/h).



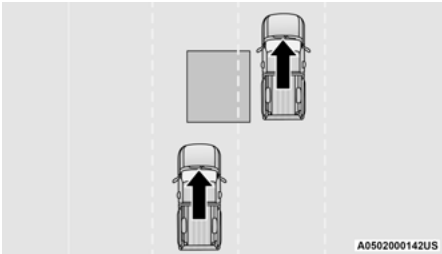

**Rear Monitoring**

### Overtaking Traffic

If you pass another vehicle slowly with a relative speed less than 15 mph (24 km/h) and the vehicle remains in the blind spot for approximately 1.5 seconds, the warning light will be illuminated. If the difference in speed between the two vehicles is greater than 15 mph (24 km/h), the warning light will not illuminate.



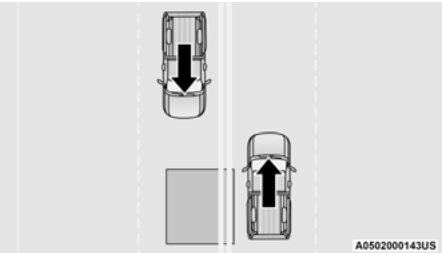

**Overtaking/Approaching**




**Overtaking/Passing**

The BSM system is designed not to issue an alert on stationary objects such as guardrails, posts, walls, foliage, berms, snow banks, car washes etc. However, occasionally the system may alert on such objects. This is normal operation and your vehicle does not require service.

The BSM system will not alert you of objects that are traveling in the opposite direction of the vehicle in adjacent lanes ➪ page 482.



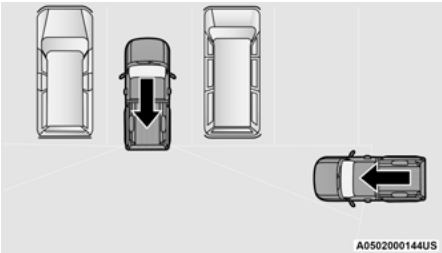

**Opposing Traffic**

For information on how Blind Spot Monitoring functions when pulling a trailer ➪ page 322.

| 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. |

## Rear Cross Path (RCP)

RCP is intended to aid the driver when backing out of parking spaces where their vision of oncoming vehicles may be blocked. Proceed slowly and cautiously out of the parking space until the rear end of the vehicle is exposed. The RCP system will then have a clear view of the cross traffic, and if an oncoming vehicle is detected, alert the driver.




**RCP Detection Zones**

RCP monitors the rear detection zones on both sides of the vehicle, for objects that are moving toward the side of the vehicle with a minimum speed of approximately 3 mph (5 km/h), to objects moving a maximum of approximately 20 mph (32 km/h), such as in parking lot situations.

When RCP is on and the vehicle is in REVERSE (R), the driver is alerted using both the visual and audible alarms, including reducing the radio volume.

**NOTE:**
In a parking lot situation, oncoming vehicles can be blocked by vehicles parked on either side. If the sensors are blocked by other structures or vehicles, the system will not be able to alert the driver.

| WARNING! |
| --- |
| Rear Cross Path Detection (RCP) is not a backup 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. |

## Blind Spot Modes

Blind Spot has three selectable modes of operation that are available in the Uconnect system.

### Blind Spot Alert Lights Only

When operating in Blind Spot Alert mode, the BSM system will provide a visual alert in the appropriate side view mirror based on a detected object. However, when the system is operating in Rear Cross Path (RCP) mode, the system will respond with both visual and audible alerts when a detected object is present. Whenever an audible alert is requested, the radio is muted.

### Blind Spot Alert Lights/Chime

When operating in Blind Spot Alert Lights/ Chime mode, the BSM system will provide a visual alert in the appropriate side view mirror based on a detected object. If the turn signal is then activated, and it corresponds to an alert present on that side of the vehicle, an audible chime will also be sounded. Whenever a turn signal and detected object are present on the same side at the same time, both the visual and audible alerts will be issued. In addition to the audible alert the radio (if on) will also be muted.

**NOTE:**
Whenever an audible alert is requested by the BSM system, the radio is also muted.

When the system is in RCP, the system shall respond with both visual and audible alerts when a detected object is present. Whenever an audible alert is requested, the radio is also muted. Turn/hazard signal status is ignored; the RCP state always requests the chime.

### Blind Spot Alert Off

When the BSM system is turned off there will be no visual or audible alerts from either the BSM, RCP, or Trailer Merge Assist systems.

**NOTE:**
The BSM system will store the current operating mode when the vehicle is shut off. Each time the vehicle is started the previously stored mode will be recalled and used.

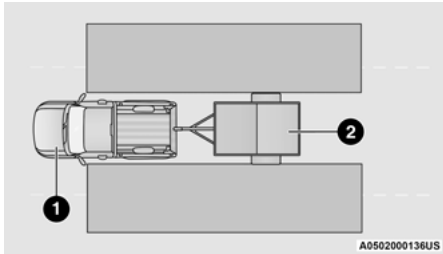
## Trailer Merge Assist – If Equipped

Trailer Merge Assist is a function of the Blind Spot Monitoring (BSM) system that extends the blind spot zone to work while pulling a trailer.

**NOTE:**
When Trailer Merge Assist is activated, Rear Cross Path is disabled.

Trailer Merge Assist consists of three sub functions:

- Automatic Trailer Detection
- Trailer Length Detection
- Trailer Merge Warning




**Blind Spot Zones With Trailer Merge Assist**

1 — Vehicle
2 — Trailer

### Automatic Trailer Detection

There are two modes of operation for the detection of the trailer length:

- *Automatic Mode* — When “Auto Mode” is selected, the system will use the blind spot sensors to automatically determine the presence and length of a trailer. The presence of

a trailer will be detected using the blind spot radar within 90 seconds of forward movement of the vehicle. The vehicle must be moving above 6 mph (10 km/h) to activate the feature. Once the trailer has been detected, the system will default to the maximum blind spot zone until the length has been verified. You will see “Auto” in the instrument panel cluster AUTO.

- *Maximum Mode* — When “Max Mode” is selected, the system will default to the maximum blind spot zone regardless of what size trailer is attached Max.

NOTE:
Selected setting is stored when the ignition is placed in the OFF position. To change this setting, it must be selected through the Uconnect settings ➪ page 237.

### Trailer Length Detection

Once the trailer presence has been established, the trailer length will be established (by making a 90 degree turn) and then the trailer length category (example 10-20 ft (3 m to 6 m)) will be displayed. This can take up to 30 seconds after completing the turn.

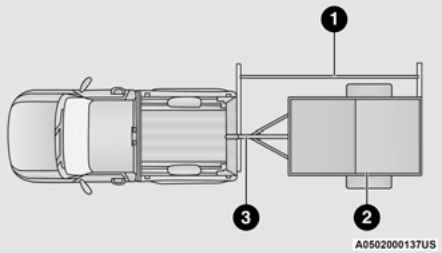
NOTE:
During the same ignition cycle, if the vehicle is at a standstill for a minimum of 90 seconds, a new “trailer detection request” is enabled by the system once the vehicle resumes motion.

Maximum length supported by the Trailer Merge Assist feature is 39.5 ft (12 m). Trailer length is considered the forward most portion of the trailer hitch to the rearward most portion of the body, fascia/bumper, or ramp of the trailer.

Maximum 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, finders, or rails.

NOTE:
Fifth wheel or gooseneck trailers are not supported by Trailer Merge Assist.

NOTE:
The ability to detect a trailer may be degraded in crowded or busy environments. Busy parking lots, narrow areas surrounded with trees, or any other crowded area may prevent the radar sensors from being able to adequately detect the trailer. The system will try to detect a trailer at every ignition cycle or 90 seconds of standstill.




**Trailer Length Detection**

1 — Trailer Length
2 — Trailer Width
3 — Trailer Hitch

Trailer length will be identified and placed into one of the following categories:

- Trailer length up to 10 ft (3 m) — Blind spot zone will be adjusted to 10 ft (3 m) 10 ft 3 m.
- Trailer length between 10 ft to 20 ft (3 m to 6 m) — Blind spot zone will be adjusted to 20 ft (6 m) 20 ft 6 m.
- Trailer length between 20 ft to 30 ft (6 m to 9 m) — Blind spot zone will be adjusted to 30 ft (9 m) 30 ft 9 m.

- Trailer length between 30 ft and 39.5 ft (9 m to 12 m) — Blind spot zone will be adjusted to Max distance Max.

NOTE:
Trailer length is determined within +/- 3 ft (1 m) of actual length. Trailers that are the same size as the category limit, 10/20/30 ft (3/6/9 m), could be subject to being placed in the category above or below the correct one.

### Trailer Merge Warning

Trailer Merge Warning is the extension of the blind spot function to cover the length of the trailer, plus a safety margin, to warn the driver when there is a vehicle in the adjacent lane. The driver is alerted by the illumination of the BSM warning light located in the outside mirror on the side the other vehicle is detected on. In addition, an audible (chime) alert will be heard and radio volume will be reduced ➪ page 322.

NOTE:

- The Trailer Merge Alert system DOES NOT alert the driver about rapidly approaching vehicles that are outside the detection zones.
- The Blind Spot Monitoring (BSM) system may experience drop outs (blinking on and off) of the side mirror warning indicator lamps when a motorcycle or any small object remains at the side of the vehicle for extended periods of time (more than a couple of seconds).
- Crowded areas such as parking lots, neighborhoods, etc. may lead to an increased amount 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. |

## Forward Collision Warning (FCW) With Mitigation — If Equipped

FCW with Mitigation provides the driver with audible warnings, visual warnings (within the instrument cluster display), and may apply a brake jerk to warn the driver when it detects a potential frontal collision. The warnings and limited braking are intended to provide the driver with enough time to react, avoid or mitigate the potential collision.

NOTE:
FCW monitors the information from the forward looking sensors as well as the Electronic Brake Controller (EBC), to calculate the probability of a forward collision. When the system determines that a forward collision is probable, the driver will be provided with audible and visual warnings as well as a possible brake jerk warning.

If the driver does not take action based upon these progressive warnings, then the system will provide a limited level of active braking to help slow the vehicle and mitigate the potential forward collision. If the driver reacts to the warnings by braking and the system determines that the driver intends to avoid the collision by braking but has not applied sufficient brake force, the system will compensate and provide additional brake force as required.

If a FCW with Mitigation event begins at a speed below 32 mph (52 km/h), the system may provide the maximum braking possible to mitigate the potential forward collision. If the

Forward Collision Warning with Mitigation event stops the vehicle completely, the system will hold the vehicle at standstill for two seconds and then release the brakes.

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**FCW Message**

When the system determines a collision with the vehicle in front of you is no longer probable, the warning message will be deactivated ➪ page 482.

**NOTE:**

- The minimum speed for FCW activation is 3 mph (5 km/h).
- The FCW alerts may be triggered on objects other than vehicles such as guard rails or sign posts based on the course prediction. This is expected and is a part of normal FCW activation and functionality.
- It is unsafe to test the FCW system. To prevent such misuse of the system, after four Active Braking events within a key cycle, the Active Braking portion of FCW will be deactivated until the next key cycle.
- The FCW system is intended for on-road use only. If the vehicle is taken off-road, the FCW system should be deactivated to prevent unnecessary warnings to the surroundings.
- FCW may not react to irrelevant objects such as overhead objects, ground reflections, objects not in the path of the vehicle, stationary objects that are far away, oncoming traffic, or leading vehicles with the same or higher rate of speed.
- FCW will be disabled like ACC, with the unavailable screens.

**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.

## Turning FCW On or Off

The FCW button is located in the Uconnect display in the control settings ➪ page 237.

- To turn the FCW system on, press the forward collision button once.
- To turn the FCW system off, press the forward collision button once.

**NOTE:**

- When the FCW is “on”, this allows the system to warn the driver of a possible collision with the vehicle in front.
- When the FCW is “off”, this prevents the system from warning the driver of a possible collision with the vehicle in front. If the FCW is set to “off”, “FCW OFF” will be displayed in the instrument cluster display.
- When FCW status is set to “Only Warning”, this prevents the system from providing limited active braking, or additional brake support if the driver is not braking adequately in the event of a potential frontal collision.

- When FCW status is set to “Warning and Braking”, this allows the system to warn the driver of a possible collision with the vehicle in front using audible/visual warnings and it applies autonomous braking.
- The FCW system state is defaulted to “Full On” from one ignition cycle to the next. If the system is turned off, it will reset to “Full On” when the vehicle is restarted.

### FCW Braking Status And Sensitivity

The FCW Sensitivity and Active Braking status are programmable through the Uconnect system ➪ page 237.

- Far
  - When the sensitivity of FCW is set to the “Far” setting and the system status is “Only Warning”, this allows the system to warn the driver of a possible more distant collision with the vehicle in front using audible/visual warnings.
  - More cautious drivers that do not mind frequent warnings may prefer this setting.
- Medium
  - When the sensitivity of FCW is set to the “Medium” setting and the system status is “Only Warning”, this allows the system to warn the driver of a possible collision with the vehicle in front using audible/visual warnings.
- Near
  - When the sensitivity of FCW is set to the “Near” setting and the system status is “Only Warning”, this allows the system to warn the driver of a possible closer collision with the vehicle in front using audible/visual warnings.
  - This setting provides less reaction time than the “Far” and “Medium” settings, which allows for a more dynamic driving experience.
  - More dynamic or aggressive drivers that want to avoid frequent warnings may prefer this setting.

### FCW Limited Warning

If the instrument cluster displays “ACC/FCW Limited Functionality” or “ACC/FCW Limited Functionality Clean Front Windshield” momentarily, there may be a condition that limits FCW functionality. Although the vehicle is still driveable under normal conditions, the active braking may not be fully available. Once the condition that limited the system performance is no longer present, the system will return to its full performance state. If the problem persists, 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 there is an internal system fault. Although the vehicle is still drivable under normal conditions, have the system checked by an authorized dealer.

### Pedestrian Emergency Braking (PEB) — If Equipped

PEB is a subsystem of the FCW system that provides the driver with audible and visual warnings in the instrument cluster display, and may apply automatic braking when it detects a potential frontal collision with a pedestrian.

If a PEB event begins at a speed below 37 mph (60 km/h), the system may provide braking to mitigate the potential collision with a pedestrian. If the PEB event stops the vehicle completely, the system will hold the vehicle at a standstill for two seconds and then release the brakes. When the system determines a collision with the pedestrian in front of you is no longer probable, the warning message will be deactivated.

The minimum speed for PEB activation 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. 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.

#### Turning PEB On Or Off

NOTE:
The default status of PEB is “On.” This allows the system to warn you of a possible frontal collision with the pedestrian.

The PEB button is located in the Uconnect display in the controls settings ➪ page 237.

To turn the PEB system off, push the Pedestrian Emergency Braking button once.

To turn the PEB system back on, push the Pedestrian Emergency Braking button again.

Changing the PEB status to “Off” deactivates the system, so no warning or active braking will be available in case of a possible frontal collision with the pedestrian.

NOTE:
The PEB system will NOT retain the last setting selected by the driver after ignition shut down. The system will reset to the default setting when the vehicle is restarted.

## Tire Pressure Monitoring System (TPMS)

TPMS will warn the driver of a low tire pressure based on the vehicle recommended cold placard pressure.

NOTE:
The TPMS Warning Light will illuminate in the instrument cluster and a chime will sound when tire pressure is low in one or more of the four active road tires. In addition, the instrument cluster will display a graphic showing the pressure values of each tire with the low tire pressure values in a different color, or the Uconnect radio will display a TPMS message; when this occurs you must increase the tire pressure to the recommended cold placard pressure in order for the TPMS Warning Light to turn off.

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 cold tire inflation pressure must not exceed the maximum inflation pressure molded into the tire sidewall. The tire pressure will also increase as the vehicle is driven — this is normal and there should be no adjustment for this increased pressure.

See ➪ page 443 on how to properly inflate the vehicle's tires.

The TPMS will warn the driver of a low tire pressure if the tire pressure falls below the low-pressure warning limit for any reason, including low temperature effects and natural pressure loss through the tire ➪ page 482.

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 the recommended cold placard pressure. Once the low TPMS Warning Light illuminates, increase the tire pressure to the recommended cold placard pressure in order for the TPMS Warning Light to turn off. The system will automatically update and the TPMS Warning Light will turn off once the system receives the updated tire pressures. 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.

**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.

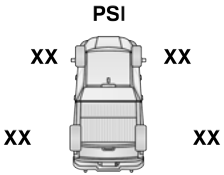
For example, your vehicle may have a recommended cold (parked for more than three hours) placard pressure of 30 psi (207 kPa). If the ambient temperature is 68°F (20°C) and the measured tire pressure is 27 psi (186 kPa), a temperature drop to 20°F (-7°C) will decrease the tire pressure to approximately 23 psi (158 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 27 psi (186 kPa), but the TPMS Warning Light will still be on. In this situation, the TPMS Warning Light will turn off only after the tires are inflated to the vehicle's recommended cold placard pressure value.

**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 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 TPMS 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, unless your vehicle is equipped with a Tire Fill Alert (TFA) system.
- 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 pressure 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.




**Tire Pressure** A0502000134US

**Tire Pressure Monitoring Display**

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.

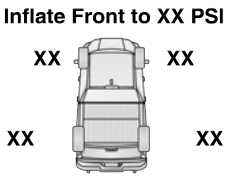
NOTE:
It is particularly important for you to check the tire pressure in all of the tires on your vehicle monthly and to maintain the proper pressure.

The 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
- Tire Pressure Monitoring System Warning Light

## Tire Pressure Monitoring Low Pressure Warnings

The Tire Pressure Monitoring System (TPMS) Warning Light will illuminate in the instrument cluster and a chime will sound when tire pressure is low in one or more of the four active road tires. In addition, the instrument cluster will display a graphic showing the pressure values of each tire with the low tire pressure values in a different color. An "Inflate to XX" message will also be displayed.




**Tire Pressure** A0502000135US

**Low Tire Pressure Display**

Should this occur, you should stop as soon as possible and inflate the tires with a low pressure condition (those in a different color in the instrument cluster graphic) to the vehicle's recommended cold placard pressure inflation value as shown in the "Inflate to XX" message. Once the system receives the updated tire pressures, the system will automatically update, the graphic display in the instrument cluster will return to its original color, and the Tire Pressure Monitoring System Warning Light will turn off. 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.

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 Tire Pressure Monitoring System Warning Light off.

## Service TPMS Warning

If a system fault is detected, the Tire Pressure Monitoring System (TPMS) Warning Light will flash on and off for 75 seconds and then remain on solid. The system fault will also sound a chime. In addition, the instrument cluster will display a "SERVICE TPMS SYSTEM" message for a minimum of five seconds and then display dashes (–) in place of the pressure value to indicate which sensor 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, and the "SERVICE TPMS SYSTEM" message will no longer display, and a pressure value will display in place of the dashes. A system fault can occur due to any of the following:

- Signal interference due to electronic devices or driving next to facilities emitting the same radio frequencies as the Tire Pressure Monitoring System sensors
- Installing aftermarket window tinting that contains materials that may block radio wave signals
- Accumulation of snow or ice around the wheels or wheel housings
- Using tire chains on the vehicle
- Using wheels/tires not equipped with TPMS sensors

A system fault may occur due to an incorrect TPMS sensor location condition. When a system fault occurs due to an incorrect TPMS sensor location, the Tire Pressure Monitoring System (TPMS) Warning Light will flash on and off for 75 seconds and then remain on solid. The system fault will also sound a chime. In addition, the instrument cluster will display a Tire Pressure Temporarily Unavailable message in place of the tire pressure display screen. 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 and the tire pressure display screen will be displayed showing the tire pressure values the correct locations.

### Vehicles With Non-Matching Full Size Spare Or Compact Spare

- The non-matching full size spare or compact spare tire does not have a TPMS sensor. Therefore, the TPMS will not monitor the pressure in the non-matching full size spare or compact spare tire.
- If you install the non-matching full size spare or compact 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 (TPMS) Warning Light and a “LOW TIRE” message will remain on and a chime will sound. In addition, the graphic in the instrument cluster will still display a pressure value in a different color and an “Inflate to XX” message.

- After driving the vehicle for up to 20 minutes above 15 mph (24 km/h), the Tire Pressure Monitoring System (TPMS) Warning Light will flash on and off for 75 seconds and then remain on solid. In addition, the instrument cluster will display a "SERVICE TPMS SYSTEM" message for a minimum of 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 (TPMS) Warning Light will flash on and off for 75 seconds and then remain on solid, and the instrument cluster will display a "SERVICE TPMS SYSTEM" message for a minimum of 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 non-matching full size spare or compact spare, the TPMS will update automatically. In addition, the Tire Pressure Monitoring System (TPMS) Warning Light will turn off and the graphic in the instrument cluster 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.

## Tire Fill Alert

This feature notifies the user when the placard tire pressure is attained while inflating or deflating the tire.

You may choose to disable or enable the Tire Fill Alert feature through use of the Uconnect Settings in the radio.

**NOTE:**

- Only one tire can be filled at a time when using the Tire Fill Alert system.
- 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 a positive increase in tire pressure is detected by the TPMS while inflating the tire. The ignition must be in the 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 lamps will come on to confirm the vehicle is in Tire Fill Alert mode.

When Tire Fill Alert mode is entered, the tire pressure display screen will be displayed in the instrument cluster.

If the hazard lamps do not come on while inflating the tire, the TPMS sensor may be out of range preventing the TPMS sensor signal from being received. In this case, the vehicle may need to be moved either forward or backward slightly to exit the null spot.

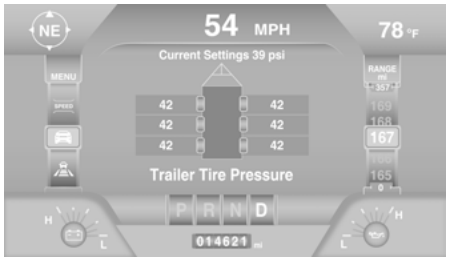
**Operation:**

- The horn will sound once to let the user know when to stop filling the tire, when it reaches recommended pressure.
- The horn will sound three times if the tire is overfilled and will continue to sound every five seconds if the user continues to inflate the tire.
- The horn will sound once again when enough air is let out to reach proper inflation level.
- The horn will also sound three times if the tire is then underinflated and will continue to sound every five seconds if the user continues to deflate the tire.

## Trailer Tire Pressure Monitoring System (TTPMS) — If Equipped

The Trailer Tire Pressure Monitoring System (TTPMS) is a feature that displays the trailer tire pressure values and warns the driver of a low tire pressure event based on the drivers set target tire pressure value, through TTPMS settings found in the radio.

The TTPMS monitors the pressure of each tire and warns the driver through the instrument cluster, when either a low tire pressure condition falls below 25% of the drivers set pressure or if a system malfunction occurs. The instrument cluster will display the actual tire pressure or dashes for each of the trailer tires in the correct trailer position, based on trailer configuration. The TTPMS can support up to 12 trailer tires per configured trailer on up to four configurable trailers ➪ page 237.




**Trailer Tire Pressure Monitoring System**

### Trailer Tire Pressure Sensor Pairing

In order use this feature, the provided tire pressure sensors must be installed in the desired trailer tires and the sensors must be paired to the truck. If the target trailer requires more than the provided four sensors, additional sensors can be purchased at an authorized Ram dealership.

With the sensors installed and the trailer near or connected to your Ram truck, initiate the pairing process by entering the settings menu in the radio and selecting trailer. Select the desired trailer profile to pair to, open the “Tire Pressure” menu, and hit “Setup All Tires” ➪ page 237.

**NOTE:**
The vehicle may not be driven until the pairing process is complete.

**Trailer Tire Pressure Settings**

**Trailer Tire Pressure Pairing**

Follow the on screen prompts to select the number of axles (1 - 3), the number of trailer tires (2, 4, 6, 8, or 12), and the set trailer tire pressure. The range is selectable anywhere between 25-125 PSI (172-862 kPa).

Once PSI (kPa) is programmed, the pairing screen appears. Tire sensors must be paired in order shown. Starting with Tire 1, deflate tire by 5 PSI (34 kPa) and wait for a horn chirp. It may take up to three minutes for the chirp to occur, indicating that the sensor has paired. Repeat process on each tire, in order, until complete. Do not exit the pairing screen until process is complete. If pairing was unsuccessful, a double horn chirp will sound, and a prompt on the touchscreen will allow you to retry the procedure; “Retry” will only appear when setup fails. Each tire must be successfully paired during a single pairing process to receive the success screen.

**NOTE:**
If the pairing process times out after three minutes of no communication with a sensor, a double horn chip will occur indicating the pairing has failed and a message will display on the radio indicating the process was unsuccessful. Under certain circumstances, the double horn chirp may continue to happen every three minutes indicating the failed pairing. If this happens, the horn chirping may be canceled by cycling the ignition button OFF and then back to RUN position.

### Tire Pressure Monitoring Low Pressure Warnings

When a tire pressure low in one or more of the active road tires is detected, the instrument cluster will display a message stating “Trailer Tire Pressure Low”. The instrument cluster will then display the TTPMS graphic showing the pressure values of each tire with the low tire pressure values in a different color.

Should this occur, you should stop as soon as possible and inflate the tires with a low pressure condition (those in a different color in the instrument cluster graphic) to the customer programmed target tire pressure value as shown at the top of the TTPMS instrument cluster graphic. Once the tire(s) are inflated, the system will automatically update the graphic display in the instrument cluster, returning to its original color. The vehicle may need to be driven for up to 10 minutes above 15 mph (24 km/h) in order for the TTPMS to receive the updated information.

### Service TTPMS Warning

If a system fault is detected, the instrument cluster will display a “Trailer Tire Pressure System Service Required” message for a minimum of five seconds.

Once the system fault is corrected the "Trailer Tire Pressure System Service Required" message will no longer be displayed. The vehicle may need to be driven for up to 10 minutes above 15 mph (24 km/h) in order for the TTPMS to receive the trailer tire pressure information.

### Trailer Tire Pres sure System Not Configured

A “Trailer Tire Pressure System Not Configured” message will be displayed in the instrument cluster on the TTPMS instrument cluster graphic when a trailer number is selected that has not had trailer tire pressure sensors paired. To correct this condition, see ➪ page 237.

### Trailer Sensors Detected Do Not Match Active Trailer

The “Trailer Sensors Detected Do Not Match Active Trailer” message will be displayed in the instrument cluster when the trailer sensors being received by the TTPMS module do not match the trailer sensors paired to the current trailer number selected. This message will be displayed when the sensors being received completely match the sensors paired to another trailer number configured in the TTPMS module.

To correct this condition, the correct trailer number must be selected in the radio ➪ page 237.

# 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 355.
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 355.
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 ➪ page 479 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 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 ignition switch is in the START or ON/RUN position.

#### Initial Indication

If the driver is unbuckled when the ignition switch 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 ignition switch 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 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.

*(Continued)*

**WARNING!** *(Continued)*

- 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 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.

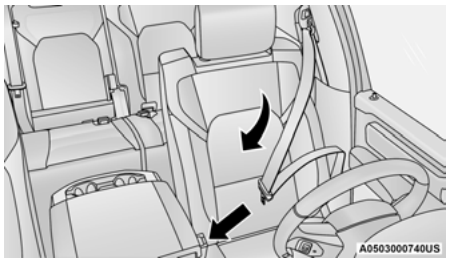
*(Continued)*

**WARNING!** *(Continued)*

- 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 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. Seat belt assemblies must be replaced after a collision.

## 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.

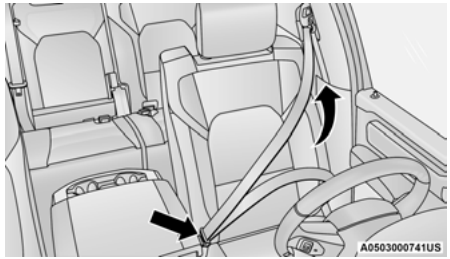



**Pulling Out The Latch Plate**

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.