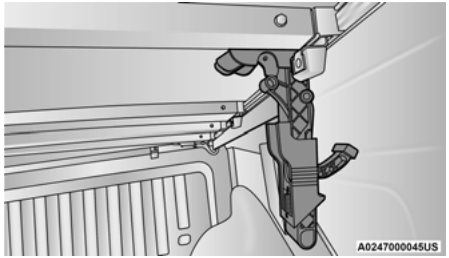
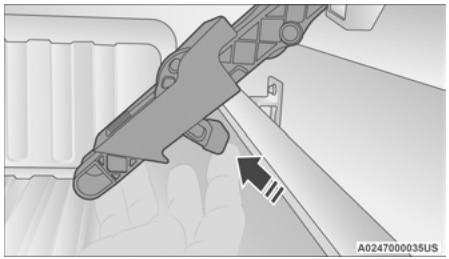
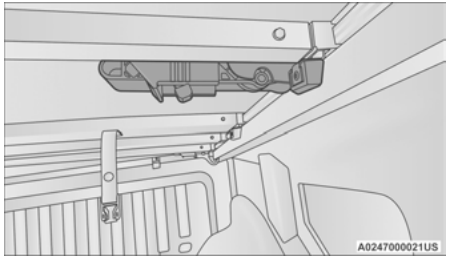


Released Position

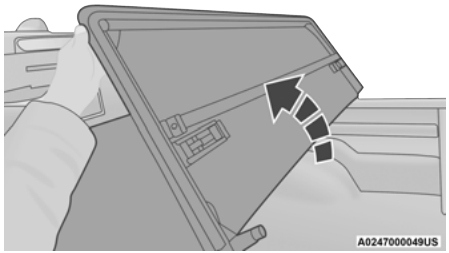


Hold The Bumper And Push The Handle Up

3. Holding the bumper, push the fully released latch to the center and push up. Push the handle firmly, locking it into the stowed position. Repeat Steps 2 and 3 for the opposite side latch.

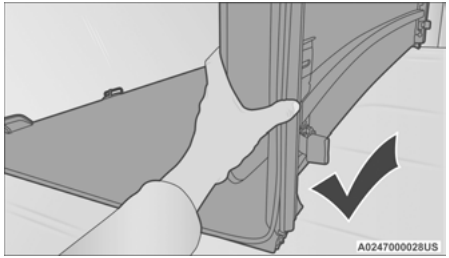


Stowed Position



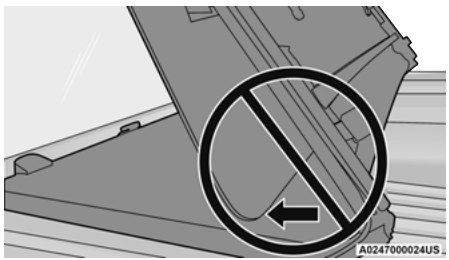
Lift Panel 3 And Fold Onto Panel 2

4. Lift up on Panel 3 and fold it onto Panel 2.



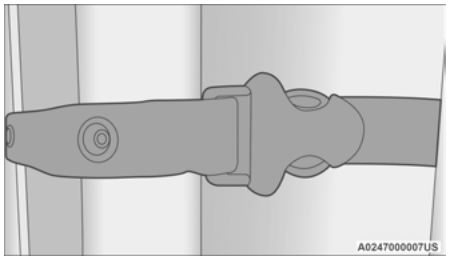
Correct Folding — Hold Panels Together

NOTE:
When folding the second and third panels, the sections MUST be held together to avoid damage to the cover material. Fold the panel gently. Do not allow the panels to drop under their own weight.



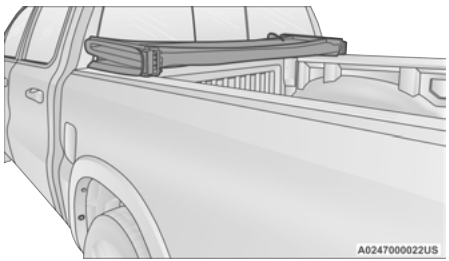
Incorrect Folding — Will Cause Damage

5. Lift up on the second and third panel and fold them onto the first panel.



Stowage Strap Clipped

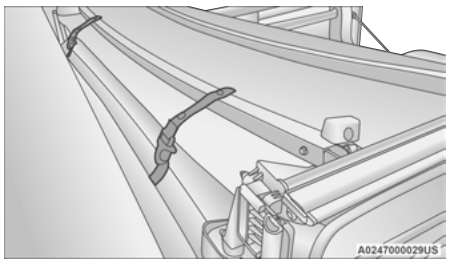
6. Unsnap the stowage strap and clip. Repeat for both straps to prevent the tonneau cover panels from unfolding.



Position One (Front Latches Latched And Stowage Straps Secured)

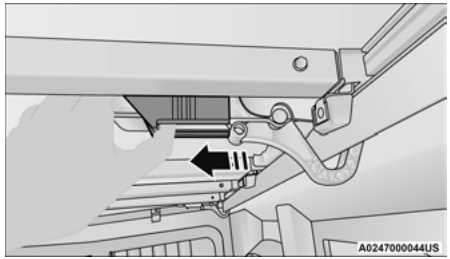
NOTE:
Be sure the Tonneau Cover has been folded completely, and the stowage straps are engaged, before removing.

CAUTION!
The folded tonneau cover must be latched by both front latches and both front stowage straps or damage to the tonneau cover or vehicle may occur. Damage could occur while driving.



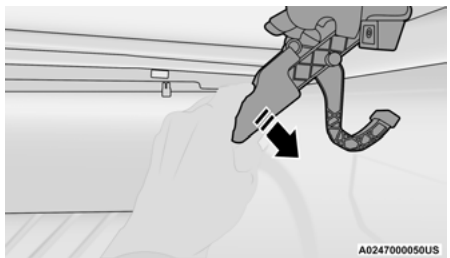
Fully Folded Tonneau Cover

NOTE:
The vehicle can be driven with the tonneau in the folded position or can be completely removed.

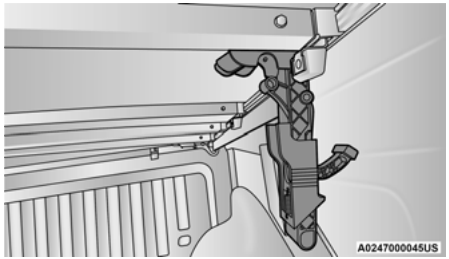


Slide Locking Lever Inward

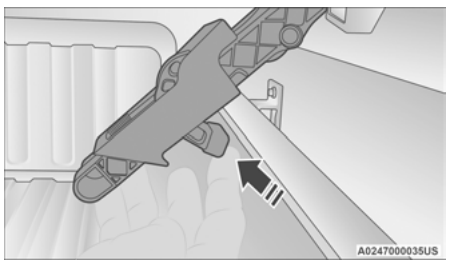
7. Slide the locking lever toward the inside of the truck bed to release the J Hook and pull the handle downward into the released position.



Unlatching Latch



Released Position



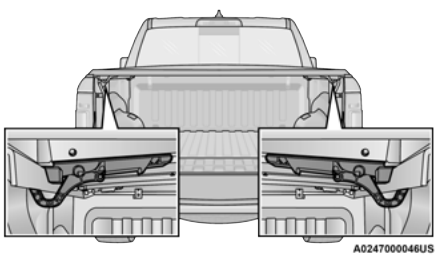
Hold The Bumper And Push The Handle Up

8. Holding the bumper, push the fully released latch to the center and push up. Push the handle firmly, locking it into the stowed position. Repeat Steps 2 & 3 for the opposite side latch.
9. With two people, remove the cover.

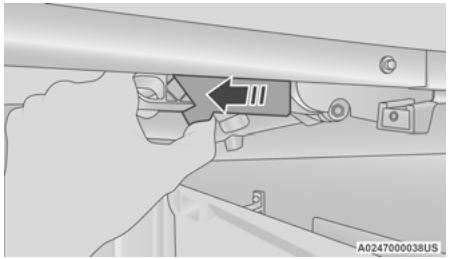
Tri-Fold Tonneau Cover Installation

To install the Tonneau Cover follow these steps:

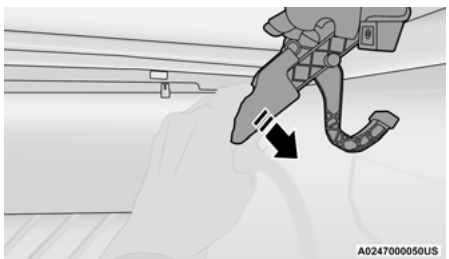
1. Position the Tonneau Cover on the truck bed and center using the locating bumpers.
2. Locate the front pair of Tonneau Cover latches on the underside of the Cover. Slide the locking lever toward the inside of the truck bed and release the latch from the stowed position, and pull the handle downward into the released position. Do this for both the left and right side.



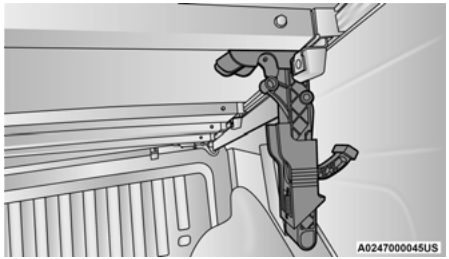
Location of Front Latches



Slide Locking Lever Towards Inside Of Truck

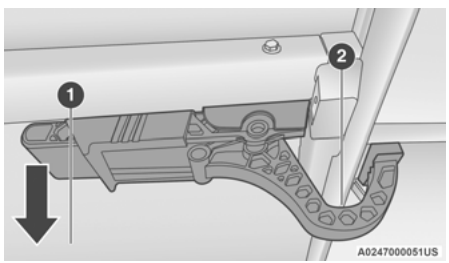


Unlatching Latch



Released Position

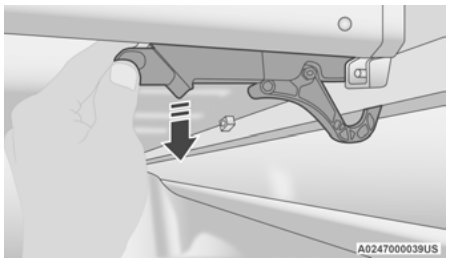
3. Swing the J Hook from the handle and push the handle to the center and up, ensuring that the J Hook is under the truck flange. Push up on the handle firmly, locking it into the latched position.



J Hook Under Truck Flange

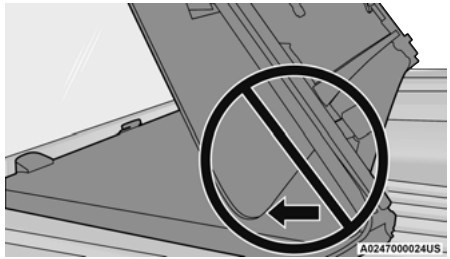
1 — Front Of Truck
2 — J Hook

NOTE:
Make sure the bumper is in front of the truck flange bead.



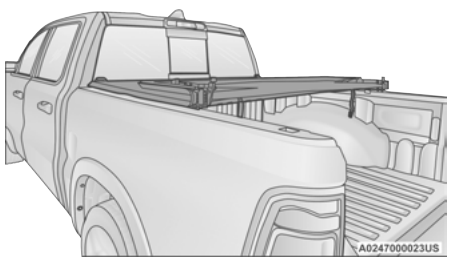
Pull Handle Downward

4. Pull down on the handle to ensure the Slide Locking Lever is fully engaged. Do this for both the left and right side.
5. Unclip the stowage straps, and re-snap them to the bow.
6. Unfold the Tonneau Cover to the second panel position.



Incorrect Folding — Will Cause Damage

NOTE:
When folding the second and third panels, the sections **MUST** be held together to avoid damage to the cover material. Fold the panel gently. Do not allow the panels to drop under their own weight.

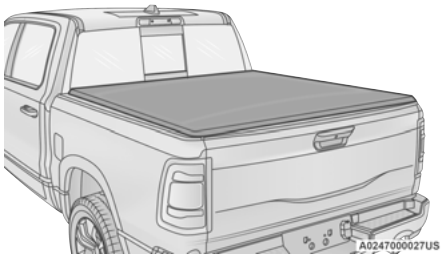


Second Panel Position

NOTE:
Unfold the panel gently, and do not allow the panels to drop under their own weight.

7. Completely unfold the Tonneau Cover.

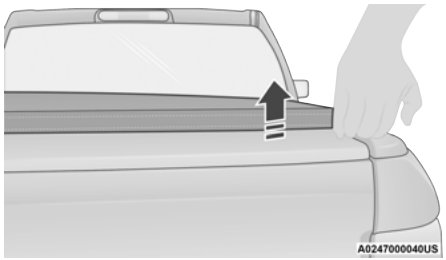
CAUTION!
The vehicle cannot be driven when the Tonneau Cover is in the second panel position.



Position Two (Fully Unfolded)

8. Repeat steps 2 through 3 for the rear pair of latches.
9. Pull down on the handle to ensure the Slide Locking Lever is fully engaged. Do this for both the left and right side.

NOTE:
Also check to ensure the bumper is forward of the bead on the underside of the truck flange. Make sure that the Tonneau Cover is positioned fully forward, so that the bumper clears the bead.



Pull Up On Tonneau Cover Corners

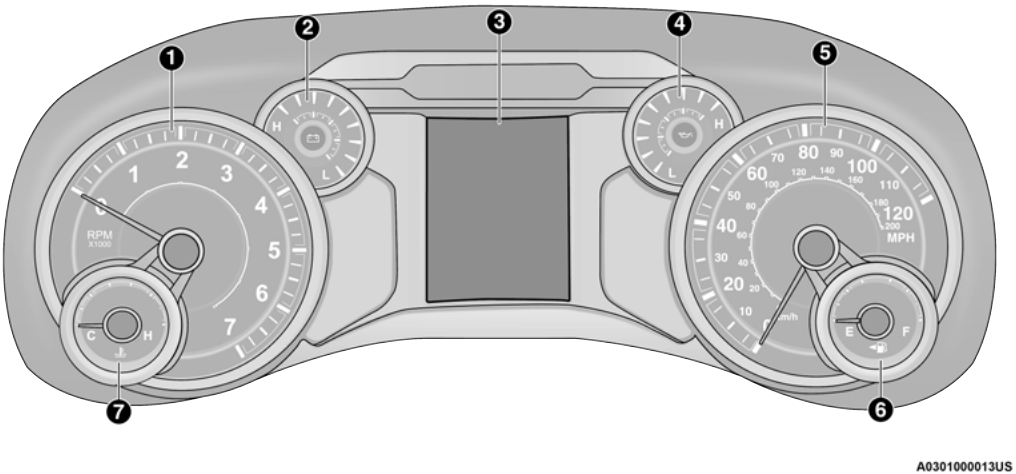
10. Gently pull up on all four corners of the Tonneau Cover to ensure that it is properly latched.

CAUTION!
It is the driver's responsibility to ensure the Tonneau Cover is properly installed on the vehicle. Failure to follow this procedure can result in detachment of the Tonneau Cover from the vehicle and/or damage to the vehicle/Tonneau Cover.

TRI-FOLD TONNEAU COVER CLEANING

For proper cleaning of the Tonneau Cover, use Mopar Whitewall & Vinyl Top Cleaner and Mopar Leather & Vinyl Conditioner/Protectant.

BASE / MIDLINE INSTRUMENT CLUSTER — GASOLINE



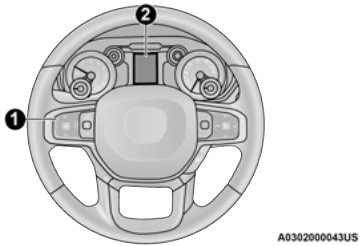
Gasoline Base / Midline Instrument Cluster

Base / Midline Instrument Cluster Descriptions — Gasoline

1. Tachometer
   - Indicates the engine speed in revolutions per minute (RPM x 1000).
2. Voltmeter
   - When the vehicle is in the RUN state, the gauge indicates the electrical system voltage. The pointer should stay within the normal range if the battery is charged. If the pointer moves to either extreme left or right and remains there during normal driving, the electrical system should be serviced.

NOTE:
In vehicles equipped with Stop/Start, a reduced voltage may be present during an Autostop.

3. Instrument Cluster Display
   - When the appropriate conditions exist, this display shows the instrument cluster display messages ➪ page 114.



Instrument Cluster Display/Controls Location

1 – Instrument Cluster Display Controls
2 – Instrument Cluster Display Screen

   - The display always show one of the main menu item after ignition on.
4. Oil Pressure Gauge
   - The pointer should always indicate the oil pressure when the engine is running. A continuous high or low reading under normal driving conditions may indicate a lubrication system malfunction. Immediate service should be obtained from an authorized dealer.

NOTE:
In vehicles equipped with Stop/Start, an oil pressure indication of zero is normal during an Autostop.

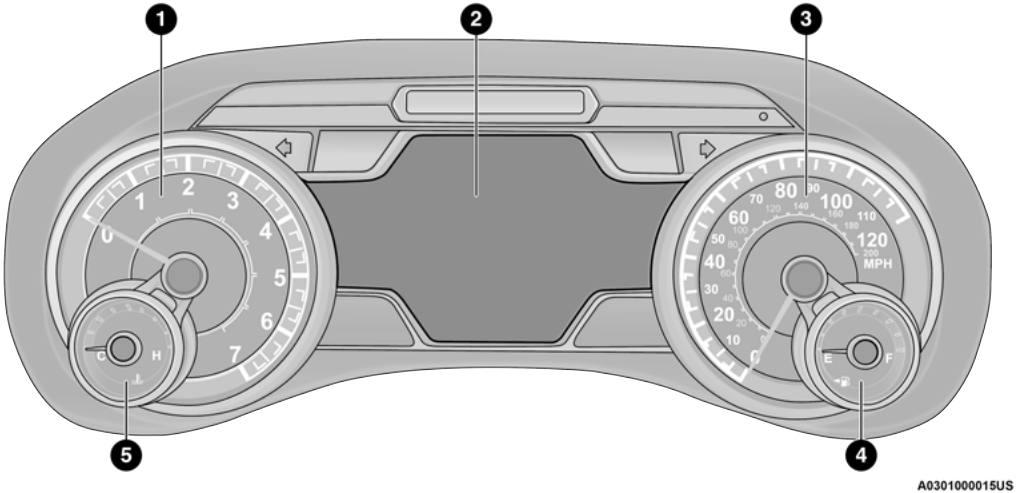
5. Speedometer
   - Indicates vehicle speed.
6. Fuel Gauge
   - The pointer shows the level of fuel in the fuel tank when the ignition is in the ON/RUN position.

   - The fuel pump symbol points to the side of the vehicle where the fuel door is located.
7. Temperature Gauge
   - The pointer shows engine coolant temperature. The pointer positioned within the normal range indicates that the engine cooling system is operating satisfactorily.
   - The pointer will likely indicate a higher temperature when driving in hot weather, up mountain grades, or when towing a trailer. It should not be allowed to exceed the upper limits of the normal operating range.

WARNING!
A hot engine cooling system is dangerous. You or others could be badly burned by steam or boiling coolant. You may want to call an authorized dealer for service if your vehicle overheats ➪ page 423.

CAUTION!
Driving with a hot engine cooling system could damage your vehicle. If the temperature gauge reads “H,” pull over and stop the vehicle. Idle the vehicle with the air conditioner turned off until the pointer drops back into the normal range. If the pointer remains on the “H,” turn the engine off immediately and call an authorized dealer for service.

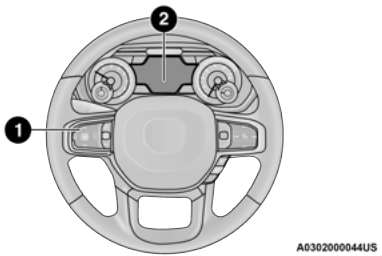
PREMIUM INSTRUMENT CLUSTER — GASOLINE



Gasoline Premium Instrument Cluster Display

Premium Instrument Cluster Descriptions — Gasoline

1. Tachometer
   - Indicates the engine speed in revolutions per minute (RPM x 1000).
2. Instrument Cluster Display
   - When the appropriate conditions exist, this display shows the instrument cluster display messages ➪ page 114.



Instrument Cluster Display/Controls Location

1 – Instrument Cluster Display Controls
2 – Instrument Cluster Display Screen

   - The display always show one of the main menu item after ignition on.
3. Speedometer
   - Indicates vehicle speed.
4. Fuel Gauge
   - The pointer shows the level of fuel in the fuel tank when the ignition is in the ON/RUN position.

   - The fuel pump symbol points to the side of the vehicle where the fuel door is located.
5. Temperature Gauge
   - The pointer shows engine coolant temperature. The pointer positioned within the normal range indicates that the engine cooling system is operating satisfactorily.
   - The pointer will likely indicate a higher temperature when driving in hot weather, up mountain grades, or when towing a trailer. It should not be allowed to exceed the upper limits of the normal operating range.

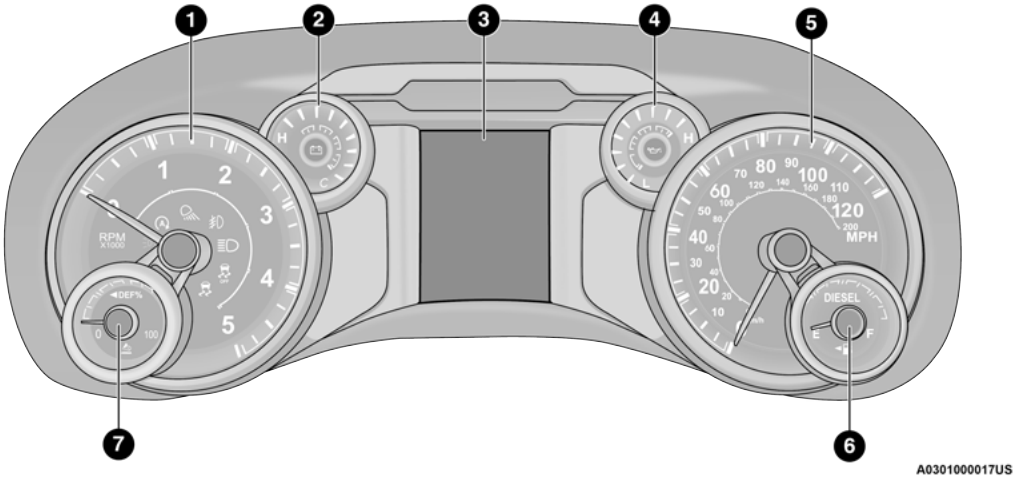
WARNING!

A hot engine cooling system is dangerous. You or others could be badly burned by steam or boiling coolant. You may want to call an authorized dealer for service if your vehicle overheats ➪ page 423.

CAUTION!

Driving with a hot engine cooling system could damage your vehicle. If the temperature gauge reads “H,” pull over and stop the vehicle. Idle the vehicle with the air conditioner turned off until the pointer drops back into the normal range. If the pointer remains on the “H,” turn the engine off immediately and call an authorized dealer for service.

BASE / MIDLINE INSTRUMENT CLUSTER — DIESEL



Diesel Base / Midline Instrument Cluster

BASE / MIDLINE INSTRUMENT CLUSTER DESCRIPTIONS — DIESEL

1. Tachometer
   - Indicates the engine speed in revolutions per minute (RPM x 1000).
2. Engine Coolant Temperature
   - This gauge shows the engine coolant temperature. The gauge pointer will likely show higher temperatures when driving in hot weather, up mountain grades, or in heavy stop and go traffic. If the red Warning Light turns on while driving, safely bring the vehicle to a stop, and turn off the engine. DO NOT operate the vehicle until the cause is corrected.

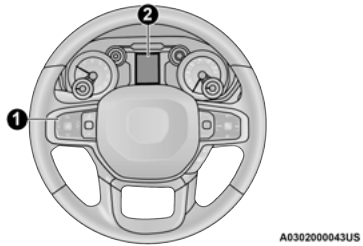
WARNING!

A hot engine cooling system is dangerous. You or others could be badly burned by steam or boiling coolant. You may want to call an authorized dealer for service if your vehicle overheats ➪ page 423.

WARNING!

Driving with a hot engine cooling system could damage your vehicle. If the temperature gauge reads “H” pull over and stop the vehicle. Idle the vehicle with the air conditioner turned off until the pointer drops back into the normal range. If the pointer remains on the “H”, turn the engine off immediately and call an authorized dealer for service.

3. Instrument Cluster Display
   - When the appropriate conditions exist, this display shows the instrument cluster display messages ➪ page 114.



Instrument Cluster Display/Controls Location

1 – Instrument Cluster Display Controls
2 – Instrument Cluster Display Screen

   - The display always show one of the main menu item after ignition on.
4. Oil Pressure Gauge
   - The pointer should always indicate some oil pressure when the engine is running. A continuous high or low reading under normal driving conditions may indicate a lubrication system malfunction. Immediate service should be obtained from an authorized dealer.

5. Speedometer
   - Indicates vehicle speed.
6. Fuel Gauge
   - The gauge shows the level of fuel in the fuel tank when the ignition switch is in the ON/RUN position.

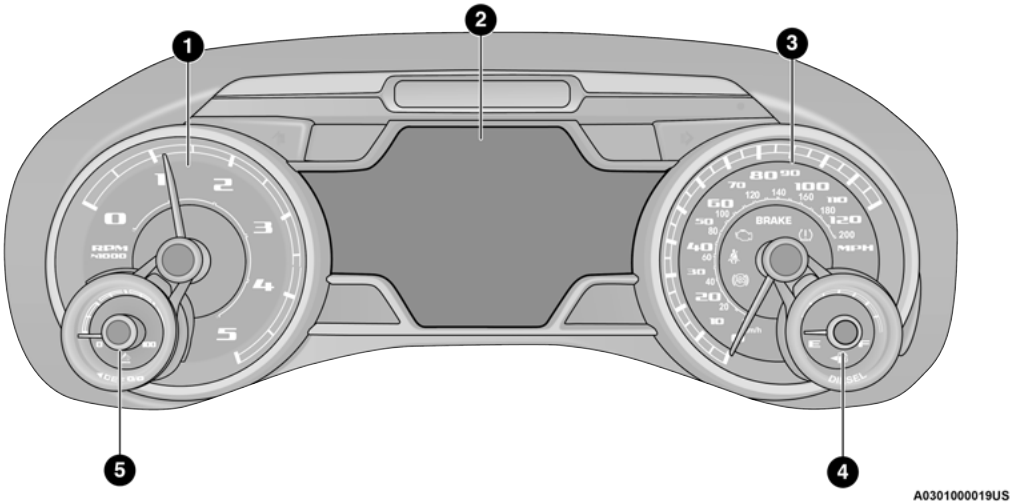
- The fuel pump symbol points to the side of the vehicle where the fuel door is located.

7. Diesel Exhaust Fluid (DEF) Gauge
   - The DEF Gauge displays the actual level of Diesel Exhaust Fluid in the DEF tank. DEF is required to maintain normal vehicle operation and emissions compliance. If something is wrong with the gauge, a DEF Warning Message or Malfunction Indicator Light (MIL) will be displayed ➪ page 123.

NOTE:

- The gauge may take up to five seconds to update after adding a gallon or more of Diesel Exhaust Fluid 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.
- Outside temperature can affect DEF consumption. In cold conditions, 12 °F (-11 °C) and below, the DEF gauge needle can stay on a fixed position and may not move for extended periods of time. This is a normal function of the system.

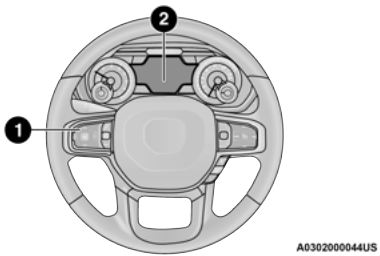
PREMIUM INSTRUMENT CLUSTER — DIESEL



Diesel Premium Instrument Cluster

Premium Instrument Cluster Descriptions — Diesel

1. Tachometer
   - Indicates the engine speed in revolutions per minute (RPM x 1000).
2. Instrument Cluster Display
   - When the appropriate conditions exist, this display shows the instrument cluster display messages ➪ page 114.



Instrument Cluster Display/Controls Location

1 – Instrument Cluster Display Controls
2 – Instrument Cluster Display Screen

   - The display always show one of the main menu item after ignition on.
3. Speedometer
   - Indicates vehicle speed.
4. Fuel Gauge
   - The pointer shows the level of fuel in the fuel tank when the ignition switch is in the ON/RUN position.

   - The fuel pump symbol points to the side of the vehicle where the fuel filler door is located.
5. Diesel Exhaust Fluid (DEF) Gauge
   - The DEF Gauge displays the actual level of Diesel Exhaust Fluid in the DEF tank. DEF is required to maintain normal vehicle operation and emissions compliance. If something is wrong with the gauge, a DEF Warning Message or Malfunction Indicator Light (MIL) will be displayed ➪ page 123.

NOTE:

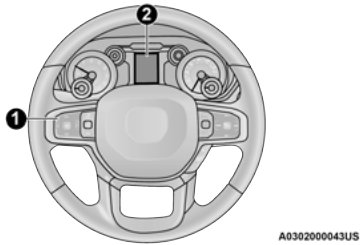
- The DEF tank on these vehicles is designed with a large amount of full reserve. So the level sensor will indicate a full reading even before the tank is completely full. To put it another way, there's additional storage capacity in the tank above the Full mark that's not represented in the gauge. You may not see any movement in the reading – even after driving up to 2,000 miles in some cases.
- The 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.
- Outside temperature can affect DEF consumption. In cold conditions, 12°F (-11°C) and below, the DEF gauge needle can stay on a fixed position and may not move for extended periods of time. This is a normal function of the system.

INSTRUMENT CLUSTER DISPLAY

Your vehicle will be equipped with an instrument cluster display, which offers useful information to the driver. With the ignition in the OFF mode, opening/closing of a door will activate the display for viewing, and display the total miles, or kilometers, in the odometer. Your instrument cluster display is designed to display important information about your vehicle's systems and features. Using a driver interactive display located on the instrument panel, your instrument cluster display can show you how systems are working and give you warnings when they are not. The steering wheel mounted controls allow you to scroll through the main menus and submenus. You can access the specific information you want and make selections and adjustments.

INSTRUMENT CLUSTER DISPLAY CONTROLS

The instrument cluster display features a driver interactive display that is located in the instrument cluster.



Instrument Cluster Display/Controls Location

1 – Instrument Cluster Display Controls
2 – Instrument Cluster Display Screen

The instrument cluster display menu items may consist of the following:

- Speedometer
- Vehicle Info
- Off-Road — If Equipped
- Driver Assist (show/hide) — If Equipped
- Fuel Economy (show/hide)
- Stop/Start — If Equipped
- Trip Info (show/hide)
- Trailer Tow (show/hide) — If Equipped
- Audio (show/hide)
- Messages
- Screen Set Up

The system allows the driver to select information by pushing the following instrument cluster display control buttons located on the left side of the steering wheel.

Instrument Cluster Display Control Buttons

Up △ And **Down** ▽ Arrow Buttons:

Using the **up** △ or **down** ▽ arrow button allows you to cycle through the Main Menu Items.

Left ◁ And **Right** ▷ Arrow Buttons:

Using the **left** ◁ or **right** ▷ arrow button allows you to cycle through the submenu items of the Main menu item.

NOTE:

- Holding the up △ / down ▽ or left ◁ / right ▷ arrow buttons will loop the user through the currently selected menu or options presented on the screen.
- Main menu and submenus wrap for continuous scrolling.
- Upon returning to a main menu, the last submenu screen viewed within that main menu will be displayed.

OK Button:

For Digital Speedometer:

- Pushing the **OK** button changes units (mph or km/h).

For Screen Setup:

- **OK** button allows user to enter menu and submenus.
- Within each submenu layer, the **up** △ and **down** ▽ arrow buttons will allow the user to select the item of interest.
- Pushing the **OK** button makes the selection and a confirmation screen will appear (returning the user to the first page of the submenu).
- Pushing the **left** ◁ arrow button will exit each submenu layer and return to the main menu.

Oil Life Reset

Your vehicle is equipped with an engine oil change indicator system. The “Oil Change Required” message will display in the instrument cluster display for five seconds after a single chime has sounded, to indicate the next scheduled oil change interval. The engine oil change indicator system is duty cycle based, which means the engine oil change interval may fluctuate, dependent upon your personal driving style.

Unless reset, this message will continue to display each time you place the ignition in the ON/RUN position. To turn off the message temporarily, push and release the **OK** or arrow buttons. To reset the oil change indicator system (after performing the scheduled maintenance), refer to the following procedure:

1. Without pressing the brake pedal, push the ENGINE START/STOP button and place the ignition in the ON/RUN position (do not start the engine).
2. Push and release the **down** ▽ arrow button to scroll downward through the main menu to “Vehicle Info.”
3. Push and release the **right** ▷ arrow button to access the ”Oil Life” screen.
4. Push and hold the **OK** button to reset oil life. If conditions are met, the gauge and numeric display will update to show 100%. If conditions are not met a pop up message of “To reset oil life engine must be off with ignition in run” will be displayed (for five seconds), and the user will remain at the Oil Life screen.
5. Push and release the **up** △ or **down** ▽ arrow button to exit the submenu screen.

NOTE:
If the indicator message illuminates when you start the vehicle, the oil change indicator system did not reset. If necessary, repeat this procedure.

Display Menu Items

Push and release the **up** △ or **down** ▽ arrow button until the desired selectable menu icon is highlighted in the instrument cluster display.

Speedometer

Push and release the **up** △ or **down** ▽ arrow button until the speedometer menu item is highlighted in the instrument cluster display. Push and release the **OK** button to cycle the display between mph and km/h.

Vehicle Info

Push and release the **up** △ or **down** ▽ arrow button until the Vehicle Info menu icon is displayed in the instrument cluster display. Push and release the **left** ◁ or **right** ▷ arrow button to scroll through the information submenus and push and release the **OK** button to select or reset the resettable submenus.

- Tire Pressure Monitor System
- Air Suspension — If Equipped
- Coolant Temperature — If Equipped
- Trans Temperature (Automatic only)
- Oil Temperature
- Oil Pressure — If Equipped
- Oil Life
- Battery Voltage — If Equipped
- Gauge Summary — If Equipped
  - Coolant Temp
  - Trans Temp
  - Oil Temp
  - Oil Pressure
- Engine Hours

Off-Road

Push and release the **up** △ or **down** ▽ arrow button until the Off-Road menu icon is displayed in the instrument cluster display. Push and release the **left** ◁ or **right** ▷ arrow button to scroll through the information submenus.

- Drivetrain
  - Front Wheel Angle: displays the graphical and numerical value of calculated average front wheel angle from the steering wheel orientation.
  - Transfer Case Lock Status: displays “Lock” graphic only during 4WD High, 4WD High Part Time, 4WD Low status.
  - Axle Lock And Sway Bar Status (If Equipped): displays front and rear or rear only axle locker graphic, and sway bar connection graphic with text message (connected or disconnected).
- Pitch And Roll
  - Displays the pitch and roll of the vehicle in the graphic with the angle number on the screen.

NOTE:
When vehicle speed becomes too high to display the pitch and roll, “- -” will display in place of the numbers, and the graphic will be greyed out. A message indicating the necessary speed for the feature to become available will also display.

Driver Assist — If Equipped

The Driver Assist menu displays the status of the ACC and LaneSense systems.

Push and release the **up** △ or **down** ▽ arrow button until the Driver Assist menu is displayed in the instrument cluster display.

Adaptive Cruise Control (ACC) Feature

The instrument cluster display displays the current Adaptive Cruise Control (ACC) system settings. The information displayed depends on ACC system status.

Push the Adaptive Cruise Control (ACC) on/off button (located on the steering wheel) until one of the following displays in the instrument cluster display:

Adaptive Cruise Control Off

When ACC is deactivated, the display will read "Adaptive Cruise Control Off."

Adaptive Cruise Control Ready

When ACC is activated but the vehicle speed setting has not been selected, the display will read "Adaptive Cruise Control Ready."

Push the SET + or the SET- button (located on the steering wheel) and the following will display in the instrument cluster display:

ACC SET

When ACC is set, the set speed will display in the instrument cluster ➪ page 179.

The ACC screen may display once again if any ACC activity occurs, which may include any of the following:

- Distance Setting Change
- System Cancel
- Driver Override
- System Off
- ACC Proximity Warning
- ACC Unavailable Warning

LaneSense — If Equipped

The instrument cluster display displays the current LaneSense system settings. The information displayed depends on LaneSense system status and the conditions that need to be met ➪ page 137.

Fuel Economy

Push and release the **up** △ or **down** ▽ arrow button until the Fuel Economy menu item is highlighted in the instrument cluster display. Push and hold the **OK** button to reset Average Fuel Economy.

- Current Fuel Economy
- Average Fuel Economy
- Range To Empty

Trip Info

Push and release the **up** △ or **down** ▽ arrow button until the Trip menu item is highlighted in the instrument cluster display. Push and release the **right** ▷ or **left** ◁ arrow button to enter the submenus of Trip A and Trip B. The Trip A or Trip B information will display the following:

- Distance
- Average Fuel Economy
- Elapsed Time

Push and hold **OK** button to reset all information.

Stop/Start — If Equipped

Push and release the **up** △ or **down** ▽ arrow button until the Stop/Start icon/title is highlighted in the instrument cluster display. The screen will display the Stop/Start status.

Trailer Tow

Push and release the **up** △ or **down** ▽ arrow button until the Trailer Tow menu item is highlighted in the instrument cluster display. Push and release the **right** ▷ or **left** ◁ arrow button to cycle through the following trailer tow information:

- **Trip (trailer specific) Distance:** Push and hold the **OK** button to reset the distance.
- **Integrated Trailer Brake Module (ITBM):**
  - Braking Output
  - Trailer Type
  - ITBM Gain
- **Trailer Light Check:** Push and hold the **OK** button to begin the Trailer Light Test sequence ➪ page 225.
- **Trailer Tire Pressure Monitoring:** The Instrument Cluster Display will display the Trailer Tire Pressure for a connected trailer with sensors that match the active trailer profile. When a low tire is present, the low tire value will be displayed in red, and the affected low tire will have a red glow. “Trailer Tire Low“ will be displayed on the center bottom of the Instrument Cluster Display screen.

Audio

Push and release the **up** △ or **down** ▽ arrow button until the Audio Menu icon/title is highlighted in the instrument cluster display. This menu will display the audio source information, including the Song name, Artist name, and audio source with an accompanying graphic.

Phone Call Status

When a call is incoming, a Phone Call Status pop-up will display on the screen. The pop-up will remain until the phone is answered or ignored.

NOTE:
The call status will temporarily replace the previous media source information displayed on the screen. When the pop-up is no longer displayed, the display will return to the last used screen.

Stored Messages

Push and release the **up** △ or **down** ▽ arrow button until the Messages Menu item is highlighted. This feature shows the number of stored warning messages. Push and release the **right** ▷ or **left** ◁ arrow button to cycle through stored messages.

Settings

Head-Up Display (HUD)

NOTE:
The HUD feature Settings are available at any vehicle speed.

Push and release the **up** △ or **down** ▽ arrow button until the Settings Menu icon/title is highlighted in the instrument cluster display. Push and release the **left** ◁ or **right** ▷ arrow button until the HUD Menu icon/title is highlighted in the instrument cluster display.Push and release the **OK** button to enter HUD. Use the **up** △ or **down** ▽ arrow button to select a setting, then push and release the **OK** button to adjust the setting.

- ON/OFF
- Content and Layout
  - **Simple**: Speed, Speed Limit
  - **Standard**: Speed, Speed Limit, Navigation
  - **Advanced**: Speed, Speed Limit, Navigation, Driver Assist (ACC/Cruise, LaneSense, Highway Assist/Highway Assist+), Gear

- **Custom 1**: Speed, Speed Limit
- **Custom 2**: Speed, Speed Limit, Navigation
- **Custom 3**: Speed, Speed Limit, Navigation, Driver Assist (ACC/Cruise, LaneSense, Highway Assist/Highway Assist+)
- **Custom 4**: Speed, Speed Limit, Navigation, Driver Assist (ACC/Cruise, LaneSense, Highway Assist/Highway Assist+), Gear

- Display Height
- Brightness

NOTE:
The HUD basic settings (Brightness, Display Height and Non Custom layouts), are controlled through the Settings Screen in the Instrument Cluster ➪ page 114.

Screen Setup Driver Selectable Items

Push and release the **up** △ or **down** ▽ arrow button until the Settings Menu Icon/Title is highlighted in the instrument cluster display. Push and release the **OK** button to enter the sub-menus and follow the prompts on the screen as needed. The Settings feature allows you to change what information is displayed in the instrument cluster as well as the location that information is displayed.

NOTE:
The Settings feature is only available when the vehicle speed is less than 5 mph.

Upper Left

- None
- Compass
- Outside Temp
- Time
- Range To Empty
- Average Econ
- Current Econ
- Trip A Distance
- Trip B Distance
- Trailer Trip – If Equipped
- Trailer Brake – If Equipped
- Oil Pressure – If Equipped
- Coolant Temp – If Equipped
- Oil Temperature – If Equipped
- Battery Voltage – If Equipped
- Transmission Temperature – If Equipped
- Oil Life – If Equipped

Upper Center

- None
- Compass
- Outside Temp
- Time
- Range To Empty
- Average Econ
- Current Econ

- Trip A Distance
- Trip B Distance
- Trailer Trip – If Equipped
- Audio
- Speedometer
- Menu Title

Upper Right

- None
- Compass
- Outside Temp
- Time
- Range To Empty
- Average Econ
- Current Econ
- Trip A Distance
- Trip B Distance
- Trailer Trip – If Equipped
- Trailer Brake – If Equipped
- Oil Pressure – If Equipped
- Coolant Temp – If Equipped
- Oil Temperature – If Equipped
- Battery Voltage – If Equipped
- Transmission Temperature – If Equipped
- Oil Life – If Equipped

Left Side – If Equipped

- None
- Range To Empty
- Average Econ
- Oil Temp
- Transmission Temp
- Coolant Temp
- Oil Life
- Menu Icon

Right Side – If Equipped

- None
- Range To Empty
- Average Econ
- Oil Temp
- Transmission Temp
- Coolant Temp
- Oil Life
- Menu Icon

Lower Left – If Equipped

- None
- Compass
- Outside Temp
- Time
- Range To Empty
- Average Econ
- Current Econ
- Trip A Distance
- Trip B Distance
- Trailer Trip
- Trailer Brake
- Oil Pressure
- Coolant Temperature
- Oil Temperature
- Battery Voltage
- Transmission Temperature
- Oil Life

Lower Right – If Equipped

- None
- Compass
- Outside Temp
- Time
- Range To Empty
- Average Econ
- Current Econ
- Trip A Distance
- Trip B Distance
- Trailer Trip
- Trailer Brake
- Oil Pressure
- Coolant Temperature
- Oil Temperature
- Battery Voltage
- Transmission Temperature
- Oil Life

Favorite Menus

- Speedometer
- Vehicle Info
- Driver Assist (show/hide) – If Equipped
- Fuel Economy (show/hide)
- Trip Info (show/hide)
- Stop/Start
- Trailer Tow (show/hide)
- Audio (show/hide)
- (Stored) Messages
- Screen Setup

Current Gear

- Off
- On

Odometer

- No Decimal Point
- Decimal Point

Defaults (Restores All Settings To Default Settings)

- Cancel
- Restore

Diesel Particulate Filter (DPF) Messages

This engine meets all required diesel engine emissions standards. To achieve these emissions standards, your vehicle is equipped with a state-of-the-art engine and exhaust system. These systems are seamlessly integrated into your vehicle and managed by the Powertrain Control Module (PCM). The PCM manages engine combustion to allow the exhaust system's catalyst to trap and burn Particulate Matter (PM) pollutants, with no input or interaction on your part.

WARNING!
A hot exhaust system can start a fire if you park over materials that can burn, such as grass or leaves, and those items that come into contact with your exhaust system. Do not park or operate your vehicle in areas where your exhaust system can contact anything that can burn.

Your vehicle has the ability to alert you to additional maintenance required on your vehicle or engine. Refer to the following messages that may be displayed on your instrument cluster:

- **Exhaust Filter XX% Full Safely Drive at Highway Speeds to Remedy** — This message will be displayed in the instrument cluster if the exhaust particulate filter reaches 80% of its maximum storage capacity. Under conditions of exclusive short duration and low speed driving cycles, your diesel engine and exhaust after-treatment system may never reach the conditions required to cleanse the filter to remove the trapped PM. If this occurs, the "Exhaust Filter XX% Full Safely Drive at Highway Speeds to Remedy" message will be displayed in the instrument cluster display. If this message is displayed, you will hear one chime to assist in alerting you of this condition. By simply driving your vehicle at highway speeds for up to 20 minutes, you can remedy the condition in the particulate filter system and allow your diesel engine and exhaust after-treatment system to cleanse the filter to remove the trapped PM and restore the system to normal operating condition.
- **Exhaust System — Regeneration In Process Exhaust Filter XX% Full** — This message indicates that the DPF is self-cleaning. Maintain your current driving condition until regeneration is completed.
- **Exhaust System — Regeneration Completed** — This message indicates that the DPF self-cleaning is completed. If this message is displayed, you will hear one chime to assist in alerting you of this condition.
- **Exhaust Service Required — See Dealer Now** — This messages indicates regeneration has been disabled due to a system malfunction. At this point the engine Powertrain Control Module (PCM) will register a fault code, the instrument panel will display a MIL light.

CAUTION!
See an authorized dealer, as damage to the exhaust system could occur soon with continued operation.

- **Exhaust Filter Full — Power Reduced See Dealer** — This message indicates the PCM has derated the engine to limit the likelihood of permanent damage to the after-treatment system. If this condition is not corrected and a dealer service is not performed, extensive exhaust after-treatment damage can occur. To correct this condition it will be necessary to have your vehicle serviced by an authorized dealer.

NOTE:
Failing to follow the oil change indicator, changing your oil and resetting the oil change indicator by 0 miles remaining will prevent the diesel exhaust filter from performing it's cleaning routine. This will shortly result in a Malfunction Indicator Light (MIL) and reduced engine power. Only an authorized dealer will be able to correct this condition.

CAUTION!
See an authorized dealer, as damage to the exhaust system could occur soon with continued operation.

DISPLAYS

When the appropriate conditions exist, the instrument cluster display displays the following messages:

- System Setup Unavailable – Vehicle Not in Park
- System Setup Unavailable – Vehicle in Motion
- Exhaust Filter Full Safely Drive at Highway Speeds To Remedy
- Exhaust Filter XX% Full – Power Reduced See Dealer
- Exhaust Service Required – See Dealer Now
- Exhaust System – Filter XX% Full Service Required See Dealer
- Exhaust System – Regeneration In Process Exhaust Filter XX% Full
- Exhaust System – Regeneration Completed
- Engine Will Not Restart in XXXX mi DEF Low Refill Soon
- Engine Will Not Restart in XXXX mi Refill DEF
- Engine Will Not Restart Refill DEF
- Service DEF System See Dealer
- Incorrect DEF Detected See Dealer
- Engine Will Not Restart in XXX mi Service DEF See Dealer
- Engine Will Not Restart Service DEF System See Dealer

DIESEL EXHAUST FLUID (DEF) WARNING MESSAGES

Your vehicle will begin displaying warning messages when the DEF level reaches a driving range of approximately 500 miles (800 km). If the following warning message sequence is ignored, your vehicle may not restart unless DEF is added with in the displayed mileage shown in the cluster message.

- **Engine Will Not Restart in XXXX mi DEF Low Refill Soon** — This message will display when DEF driving range is less than 500 miles, DEF fluid top off is required within the displayed mileage. The message will be displayed in the cluster during vehicle start up with the current allowed mileage and accompanied by a single chime. The remaining mileage can be pulled up anytime in the “Messages” list within the instrument cluster display.
- **Engine Will Not Restart in XXXX mi Refill DEF** — This message will display when DEF driving range is less than 200 miles. It is also displayed at 150 miles and 100 miles. DEF fluid top off is required within the displayed mileage. The message will be displayed in the instrument cluster display during vehicle start up with an updated distance mileage, and it will be accompanied by a single chime. Starting at 100 miles, remaining range will be continuously displayed while operating the vehicle. Chimes will also accompany the 75, 50 and 25 mile remaining distances. The DEF Low telltale will be on continuously until DEF fluid is topped off.
- **Engine Will Not Restart Refill DEF** — This message will display when the DEF driving range is less than one mile, DEF fluid top off is required or the engine will not restart. The message will be displayed in the instrument cluster display during vehicle start up, and it will be accompanied by a single chime. The DEF Low telltale will be illuminated continuously until DEF fluid tank is filled with a minimum of two gallons of DEF.

Diesel Exhaust Fluid (DEF) Fault Warning Messages

There are different messages which are displayed if the vehicle detects that the DEF system has been filled with a fluid other than DEF, has experienced component failures, or when tampering has been detected.

When the DEF system needs to be serviced the following warnings will display:

- Service DEF System See Dealer — This message will display when the fault is initially detected and each time the vehicle is started. The message will be accompanied by a single chime and the Malfunction Indicator Light. We recommend you drive to the nearest authorized dealer and have your vehicle serviced immediately. If not corrected in 50 miles, vehicle will enter the "Engine Will not restart in XXX mi Service DEF See dealer" warning stage and message.
- Incorrect DEF Detected See Dealer — This message will display if the DEF system has detected the incorrect fluid has been introduced to the DEF tank. The message will be accompanied by a single chime. We recommend you drive to your nearest authorized dealer and have your vehicle serviced immediately. If not corrected in 30 miles, vehicle will enter the "Engine Will not restart in XXX mi Service DEF See dealer" warning stage and message.
- Engine Will Not Restart in XXX mi Service DEF See Dealer — This message is first displayed if the fault detected is not serviced after 50 miles of operation. It is also displayed at 150 miles, 125 miles and 100 miles. System service is required within the displayed mileage. The message will be displayed during vehicle start up with an updated distance mileage, and it will be accompanied by a single chime. Starting at 100 miles, remaining range will be continuously displayed while operating the vehicle. Chimes will also accompany the 75, 50 and 25 mile remaining distances. We recommend you drive to the nearest authorized dealer and have your vehicle serviced immediately.
- Engine Will Not Restart Service DEF System See Dealer — This message will display if DEF system issue detected is not serviced during the allowed period. Your engine will not restart unless your vehicle is serviced by an authorized dealer. This message will be displayed when under 1 mile until engine will not start and each time the vehicle is started, and will be continuously displayed. The message will be accompanied by a single chime. Your Malfunction Indicator Light will be continuously illumined. We highly recommend you drive to the nearest authorized dealer if the message appears while engine is running.
- Engine Will Not Start Service DEF System See Dealer — This message will display when the fault detected is not serviced after the Engine will not restart Service DEF System See Dealer message is displayed on the next subsequent restart. Your engine will not start unless your vehicle is serviced by an authorized dealer. The message will be accompanied by a single chime. Your Malfunction Indicator Light will be continuously illuminated. If the message appears and you can not start the engine, we recommend having your vehicle towed to the nearest authorized dealer immediately.

Battery Saver On/Battery Saver Mode Message — Electrical Load Reduction Actions — If Equipped

This vehicle is equipped with an Intelligent Battery Sensor (IBS) to perform additional monitoring of the electrical system and status of the vehicle battery.

In cases when the IBS detects charging system failure, or the vehicle battery conditions are deteriorating, electrical load reduction actions will take place to extend the driving time and distance of the vehicle. This is done by reducing power to or turning off non-essential electrical loads.

Load reduction is only active when the engine is running. It will display a message if there is a risk of battery depletion to the point where the vehicle may stall due to lack of electrical supply, or will not restart after the current drive cycle.

When load reduction is activated, the message "Battery Saver On Some Systems May Have Reduced Power" will appear in the instrument cluster.

These messages indicate the vehicle battery has a low state of charge and continues to lose electrical charge at a rate that the charging system cannot sustain.

NOTE:

- The charging system is independent from load reduction. The charging system performs a diagnostic on the charging system continuously.
- If the Battery Charge Warning Light is on it may indicate a problem with the charging system ➪ page 128.

The electrical loads that may be switched off (if equipped), and vehicle functions which can be affected by load reduction:

- Heated Seats / Vented Seats / Heated Wheel
- Rear Defroster And Heated Mirrors
- HVAC System
- 115 Volts AC Power Inverter System
- Audio and Telematics System

Loss of the battery charge may indicate one or more of the following conditions:

- The charging system cannot deliver enough electrical power to the vehicle system because the electrical loads are larger than the capability of charging system. The charging system is still functioning properly.
- Turning on all possible vehicle electrical loads (e.g. HVAC to max settings, exterior and interior lights, overloaded power outlets +12 Volts, 115 Volts AC, USB ports) during certain driving conditions (city driving, towing, frequent stopping).
- Installing options like additional lights, upfitter electrical accessories, audio systems, alarms and similar devices.
- Unusual driving cycles (short trips separated by long parking periods).
- The vehicle was parked for an extended period of time (weeks, months).
- The battery was recently replaced and was not charged completely.
- The battery was discharged by an electrical load left on when the vehicle was parked.
- The battery was used for an extended period with the engine not running to supply radio, lights, chargers, +12 Volt portable appliances like vacuum cleaners, game consoles and similar devices.

What to do when an electrical load reduction action message is present ("Battery Saver On" or "Battery Saver Mode")

During a trip:

- Reduce power to unnecessary loads if possible:
  - Turn off redundant lights (interior or exterior).
  - Check what may be plugged in to power outlets +12 Volts, 115 Volts AC, USB ports.
  - Check HVAC settings (blower, temperature).
  - Check the audio settings (volume).

After a trip:

- Check if any aftermarket equipment was installed (additional lights, upfitter electrical accessories, audio systems, alarms) and review specifications if any (load and Ignition Off Draw currents).
- Evaluate the latest driving cycles (distance, driving time and parking time).
- The vehicle should have service performed if the message is still present during consecutive trips and the evaluation of the vehicle and driving pattern did not help to identify the cause.

WARNING LIGHTS AND MESSAGES

The warning/indicator lights will illuminate in the instrument panel together with a dedicated message and/or acoustic signal when applicable. These indications are indicative and precautionary and as such must not be considered as exhaustive and/or alternative to the information contained in the Owner's Manual, which you are advised to read carefully in all cases. Always refer to the information in this chapter in the event of a failure indication. All active telltales will display first if applicable. The system check menu may appear different based upon equipment options and current vehicle status. Some telltales are optional and may not appear.

RED WARNING LIGHTS

Seat Belt Reminder Warning Light

This warning light indicates when the driver or passenger seat belt is unbuckled. When the ignition is first placed in the ON/RUN or ACC/ON/RUN position and if the driver's seat belt is unbuckled, a chime will sound and the light will turn on. When driving, if the driver or front passenger seat belt remains unbuckled, the Seat Belt Reminder Light will flash or remain on continuously and a chime will sound ➪ page 334.

Air Bag Warning Light

This warning light will illuminate to indicate a fault with the air bag, and will turn on for four to eight seconds as a bulb check when the ignition is placed in the ON/RUN or ACC/ON/RUN position. This light will illuminate with a single chime when a fault with the air bag has been detected, it will stay on until the fault is cleared. If the light is either not on during startup, stays on, or turns on while driving, have the system inspected at an authorized dealer as soon as possible.

Brake Warning Light

This warning light monitors various brake functions, including brake fluid level and parking brake application. If the brake light turns on it may indicate that the parking brake is applied, that

the brake fluid level is low, or that there is a problem with the Anti-Lock Brake System reservoir.

If the light remains on when the parking brake has been disengaged, and the fluid level is at the full mark on the master cylinder reservoir, it indicates a possible brake hydraulic system malfunction or that a problem with the Brake Booster has been detected by the Anti-Lock Brake System (ABS) / Electronic Stability Control (ESC) system. In this case, the light will remain on until the condition has been corrected. If the problem is related to the brake booster, the ABS pump will run when applying the brake, and a brake pedal pulsation may be felt during each stop.

The dual brake system provides a reserve braking capacity in the event of a failure to a portion of the hydraulic system. A leak in either half of the dual brake system is indicated by the Brake Warning Light, which will turn on when the brake fluid level in the master cylinder has dropped below a specified level.

The light will remain on until the cause is corrected.

NOTE:
The light may flash momentarily during sharp cornering maneuvers, which change fluid level conditions. The vehicle should have service performed, and the brake fluid level checked.

If brake failure is indicated, immediate repair is necessary.

WARNING!
Driving a vehicle with the red brake light on is dangerous. Part of the brake system may have failed. It will take longer to stop the vehicle. You could have a collision. Have the vehicle checked immediately.

Vehicles equipped with the Anti-Lock Brake System (ABS) are also equipped with Electronic Brake Force Distribution (EBD). In the event of an EBD failure, the Brake Warning Light will turn on along with the ABS Light. Immediate repair to the ABS system is required.

Operation of the Brake Warning Light can be checked by turning the ignition switch from the OFF position to the ON/RUN position. The light should illuminate for approximately two seconds. The light should then turn off unless the parking brake is applied or a brake fault is detected. If the light does not illuminate, have the light inspected by an authorized dealer.

The light also will turn on when the parking brake is applied with the ignition switch in the ON/RUN position.

NOTE:
This light shows only that the parking brake is applied. It does not show the degree of brake application.

Hood Open Warning Light

This warning light will illuminate when the hood is ajar/open and not fully closed.

NOTE:
If the vehicle is moving, there will also be a single chime.

Vehicle Security Warning Light — If Equipped

This light will flash at a fast rate for approximately 15 seconds when the vehicle security system is arming, and then will flash slowly until the vehicle is disarmed.

Engine Coolant Temperature Warning Light

This warning light warns of an overheated engine condition. If the engine coolant temperature is too high, this indicator will illuminate and a single chime will sound. If the temperature reaches the upper limit, a continuous chime will sound for four minutes or until the engine is able to cool, whichever comes first.

If the light turns on while driving, safely pull over and stop the vehicle. If the Air Conditioning (A/C) system is on, turn it off. Also, shift the transmission into NEUTRAL (N) and idle the vehicle. If the temperature reading does not return to normal, turn the engine off immediately and call for service ➪ page 389.

Battery Charge Warning Light

This warning light will illuminate when the battery is not charging properly. If it stays on while the engine is running, there may be a malfunction with the charging system. Contact an authorized dealer as soon as possible.

This indicates a possible problem with the electrical system or a related component.

Oil Pressure Warning Light

This warning light will illuminate to indicate low engine oil pressure. If the light turns on while driving, stop the vehicle, shut off the engine as soon as possible, and contact an authorized dealer. A chime will sound when this light turns on.

Do not operate the vehicle until the cause is corrected. This light does not indicate how much oil is in the engine. The engine oil level must be checked under the hood.

Oil Temperature Warning Light

This warning light will illuminate to indicate the engine oil temperature is high. If the light turns on while driving, stop the vehicle and shut off the engine as soon as possible. Wait for oil temperature to return to normal levels.

Electronic Throttle Control (ETC) Warning Light

This warning light will illuminate to indicate a problem with the ETC system. If a problem is detected while the vehicle is running, the light will either stay on or flash depending on the nature of the problem. Cycle the ignition when the vehicle is safely and completely stopped and the transmission is placed in the PARK position. The light should turn off. If the light remains on with the vehicle running, your vehicle will usually be drivable; however, see an authorized dealer for service as soon as possible.

NOTE:
This light may turn on if the accelerator and brake pedals are pressed at the same time.

If the light continues to flash when the vehicle is running, immediate service is required and you may experience reduced performance, an elevated/rough idle, or engine stall and your vehicle may require towing. The light will come on when the ignition is placed in the ON/RUN or ACC/ON/RUN position and remain on briefly as a bulb check. If the light does not come on during starting, have the system checked by an authorized dealer.

Electric Power Steering (EPS) Fault Warning Light

This warning light will turn on when there's a fault with the EPS system ➪ page 174.

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

Tailgate Open Warning Light

This warning light will illuminate when the tailgate is open.

NOTE:
If the vehicle is moving, there will also be a single chime.

Trailer Brake Disconnected Warning Light

This warning light will illuminate when the Trailer Brake has been disconnected.

Transmission Temperature Warning Light — If Equipped

This warning light will illuminate to warn of a high transmission fluid temperature. This may occur with strenuous usage such as trailer towing. If this light turns on, stop the vehicle and run the engine at idle or slightly faster, with the transmission in PARK or NEUTRAL, until the light turns off. Once the light turns off, you may continue to drive normally.

WARNING!
If you continue operating the vehicle when the Transmission Temperature Warning Light is illuminated you could cause the fluid to boil over, come in contact with hot engine or exhaust components and cause a fire.

CAUTION!
Continuous driving with the Transmission Temperature Warning Light illuminated will eventually cause severe transmission damage or transmission failure.

Door Open Warning Light

This indicator will illuminate when a door is ajar/open and not fully closed.

NOTE:
If the vehicle is moving there will also be a single chime.

Yellow Warning Lights

Adaptive Cruise Control (ACC) Fault Warning Light — If Equipped

This warning light will illuminate to indicate a fault in the ACC system. Contact an authorized dealer for service ➪ page 179.

Air Suspension Fault Warning Light — If Equipped

This light will illuminate when a fault is detected with the air suspension system.

Engine Check/Malfunction Indicator Warning Light (MIL)

The MIL is a part of an Onboard Diagnostic System called OBD II that monitors engine and automatic transmission control systems. This warning light will illuminate when the ignition is in the ON/RUN position before engine start. If the bulb does not come on when turning the ignition switch from OFF to ON/RUN, have the condition checked promptly.

Certain conditions, such as a loose or missing gas cap, poor quality fuel, etc., may illuminate the light after engine start. The vehicle should be serviced if the light stays on through several typical driving styles. In most situations, the vehicle will drive normally and will not require towing.

When the engine is running, the MIL may flash to alert serious conditions that could lead to immediate loss of power or severe catalytic converter damage. The vehicle should be serviced by an authorized dealer as soon as possible if this occurs.

WARNING!

A malfunctioning catalytic converter, as referenced above, can reach higher temperatures than in normal operating conditions. This can cause a fire if you drive slowly or park over flammable substances such as dry plants, wood, cardboard, etc. This could result in death or serious injury to the driver, occupants or others.

CAUTION!

Prolonged driving with the Malfunction Indicator Light (MIL) on could cause damage to the vehicle control system. It also could affect fuel economy and driveability. If the MIL is flashing, severe catalytic converter damage and power loss will soon occur. Immediate service is required.

Electronic Park Brake Warning Light

This warning light will illuminate to indicate the Electronic Park Brake is not functioning properly and service is required. Contact an authorized dealer.

Electronic Stability Control (ESC) Active Warning Light — If Equipped

This warning light will indicate when the ESC system is Active. The ESC Indicator Light in the instrument cluster will come on when the ignition is placed in the ON/RUN or ACC/ON/RUN position, and when ESC is activated. It should go out with the engine running. If the ESC Indicator Light comes on continuously with the engine running, a malfunction has been detected in the ESC system. If this warning light remains on after several ignition cycles, and the vehicle has been driven several miles (kilometers) at speeds greater than 30 mph (48 km/h), see an authorized dealer as soon as possible to have the problem diagnosed and corrected.

- The ESC OFF Indicator Light and the ESC Indicator Light come on momentarily each time the ignition is placed in the ON/RUN or ACC/ON/RUN position.
- The ESC system will make buzzing or clicking sounds when it is active. This is normal; the sounds will stop when ESC becomes inactive.
- This light will come on when the vehicle is in an ESC event.

Electronic Stability Control (ESC) OFF Warning Light — If Equipped

This warning light indicates the ESC is off.

Each time the ignition is turned to ON/RUN or ACC/ON/RUN, the ESC system will be on, even if it was turned off previously.

Service LaneSense Warning Light — If Equipped

This warning light will illuminate when the LaneSense system is not operating and requires service. Please contact an authorized dealer.

Low Washer Fluid Warning Light — If Equipped

This warning light will illuminate when the windshield washer fluid is low.

Low Fuel Warning Light

When the fuel level is less than a ¼ tank, and the Distance to Empty is less than 50 miles, this light will turn on and remain on until fuel is added.

A single warning chime will sound with Low Fuel Warning.

Tire Pressure Monitoring System (TPMS) Warning Light

The warning light switches on and a message is displayed to indicate that the tire pressure is lower than the recommended value and/or that slow pressure loss is occurring. In these cases, optimal tire duration and fuel consumption may not be guaranteed.

Should one or more tires be in the condition mentioned above, the display will show the indications corresponding to each tire.

CAUTION!
Do not continue driving with one or more flat tires as handling may be compromised. Stop the vehicle, avoiding sharp braking and steering. If a tire puncture occurs, repair immediately using the dedicated tire repair kit and contact an authorized dealer as soon as possible.

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label. If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label, you should determine the proper tire inflation pressure for those tires.

As an added safety feature, your vehicle has been equipped with a Tire Pressure Monitoring System (TPMS) that illuminates a low tire pressure telltale when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure telltale illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

Please note that the TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale.

Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when the system is not operating properly. The TPMS malfunction indicator is combined with the low tire pressure telltale. When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended. TPMS malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS from functioning properly. Always check the TPMS malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS to continue to function properly.

CAUTION!

The TPMS has been optimized for the original equipment tires and wheels. TPMS pressures and warning have been established for the tire size equipped on your vehicle. Undesirable system operation or sensor damage may result when using replacement equipment that is not of the same size, type, and/or style. Aftermarket wheels can cause sensor damage. Using aftermarket tire sealants may cause the Tire Pressure Monitoring System (TPMS) sensor to become inoperable. After using an aftermarket tire sealant it is recommended that you take your vehicle to an authorized dealer to have your sensor function checked.

Anti-Lock Brake System (ABS) Warning Light

This warning light monitors the ABS. The light will turn on when the ignition is placed in the ON/RUN or ACC/ON/RUN position and may stay on for as long as four seconds.

If the ABS light remains on or turns on while driving, then the Anti-Lock portion of the brake system is not functioning and service is required as soon as possible. However, the conventional brake system will continue to operate normally, assuming the Brake Warning Light is not also on.

If the ABS light does not turn on when the ignition is placed in the ON/RUN or ACC/ON/RUN position, have the brake system inspected by an authorized dealer.

Rear Axle Locker Fault Indicator Light — If Equipped

This warning light will illuminate to indicate when a rear axle locker fault has been detected.

Service Forward Collision Warning (FCW) Light — If Equipped

This warning light will illuminate to indicate a fault in the FCW System. Contact an authorized dealer for service ➪ page 324.

Service Stop/Start System Warning Light — If Equipped

This warning light will illuminate when the Stop/Start system is not functioning properly and service is required. Contact an authorized dealer for service.

Service 4WD Warning Light — If Equipped

This warning light will illuminate to signal a fault with the 4WD system. If the light stays on or comes on during driving, it means that the 4WD system is not functioning properly and that service is required. We recommend you drive to the nearest service center and have the vehicle serviced immediately.

Cruise Control Fault Warning Light

This warning light will illuminate to indicate the Cruise Control System is not functioning properly and service is required. Contact an authorized dealer.

Yellow Indicator Lights

Forward Collision Warning Off Indicator Light — If Equipped

This indicator light illuminates to indicate that Forward Collision Warning is off.

Air Suspension Payload Protection Indicator Light — If Equipped

This indicator light will illuminate to indicate that the maximum payload may have been exceeded or load leveling cannot be achieved at its current ride height. Protection Mode will automatically be selected to “protect” the air suspension system, air suspension adjustment is limited due to payload.

Trailer Merge Assist Indicator Light — If Equipped

This indicator light will illuminate to indicate when Trailer Merge Assist has been activated ➪ page 318.

TOW/HAUL Indicator Light

This indicator light will illuminate when TOW/HAUL mode is selected.

Cargo Light — If Equipped

This indicator light will illuminate when the cargo light is activated by pushing the cargo light button on the headlight switch.

Air Suspension Off-Road 1 Indicator Light — If Equipped

This light will illuminate when the air suspension system is set to the Off-Road 1 setting ➪ page 165.

Air Suspension Off-Road 2 Indicator Light — If Equipped

This light will illuminate when the air suspension system is set to the Off-Road 2 setting ➪ page 165.

Air Suspension Normal Height Indicator Light— If Equipped

This light will illuminate when the air suspension system is set to the Normal setting ➪ page 165.

Air Suspension Aerodynamic Height Indicator Light— If Equipped

This light will illuminate when the air suspension system is set to the Aerodynamic setting.

Entry/Exit Indicator Light— If Equipped

This light will illuminate when the vehicle is automatically lowered from ride height position downward for easy entry and exit of the vehicle ➪ page 165.

Air Suspension Ride Height Raising Indicator Light— If Equipped

This light will blink and alert the driver that the vehicle is changing to a higher ride height.

Air Suspension Ride Height Lowering Indicator Light— If Equipped

This light will blink and alert the driver that the vehicle is changing to a lower ride height.

Rear Axle Lock Indicator Light

This light indicates when the rear axle lock has been activated.

4WD Indicator Light — If Equipped

This light alerts the driver that the vehicle is in the four-wheel drive mode, and the front and rear driveshafts are mechanically locked together forcing the front and rear wheels to rotate at the same speed.

4WD Low Indicator Light — If Equipped

This light alerts the driver that the vehicle is in the 4WD Low mode. The front and rear driveshafts are mechanically locked together forcing the front and rear wheels to rotate at the same speed. Low range provides a greater gear reduction ratio to provide increased torque at the wheels ➪ page 161.

4WD High Indicator Light — If Equipped

This light alerts the driver that the vehicle is in the 4WD High mode. The front and rear driveshafts are mechanically locked together forcing the front and rear wheels to rotate at the same speed.

NEUTRAL Indicator Light — If Equipped

This light alerts the driver that the 4WD power transfer case is in the NEUTRAL mode and the front and rear driveshafts are disengaged from the powertrain.

Low Diesel Exhaust Fluid (DEF) Indicator Light — If Equipped

The Low DEF Indicator will illuminate if the vehicle is low on Diesel Exhaust Fluid (DEF) ➪ page 211.

Wait To Start Light — If Equipped

This indicator light will illuminate for approximately two seconds when the ignition is turned to the RUN position. Its duration may be longer based on colder operating conditions. Vehicle will not initiate start until telltale is no longer displayed ➪ page 146.

NOTE:
The “Wait To Start” telltale may not illuminate if the intake manifold temperature is warm enough.

Water In Fuel Indicator Light — If Equipped

The “Water In Fuel Indicator Light” will illuminate when there is water detected in the fuel filter. If this light remains on, DO NOT start the vehicle before you drain the water from the fuel filter to prevent engine damage, and please see an authorized dealer.

CAUTION!
The presence of water in the fuel system circuit may cause severe damage to the injection system and irregular engine operation. If the indicator light is illuminated, contact an authorized dealer as soon as possible to bleed the system. If the above indications come on immediately after refuelling, water has probably been poured into the tank: switch the engine off immediately and contact an authorized dealer.

Green Indicator Lights

Adaptive Cruise Control (ACC) Set With Target Light — If Equipped

This will display when the ACC is set and a target vehicle is detected ➪ page 179.

Adaptive Cruise Control (ACC) Set With No Target Detected Indicator Light — If Equipped

This light will turn on when the ACC is SET and there is no target vehicle detected ➪ page 179.

ECO Mode Indicator Light

This light will turn on when ECO Mode is active.

Park/Headlight On Indicator Light

This indicator light will illuminate when the park lights or headlights are turned on.

LaneSense Indicator Light — If Equipped

The LaneSense indicator light illuminates solid green when both lane markings have been detected and the system is “armed” and ready to provide visual and torque warnings if an unintentional lane departure occurs ➪ page 199.

Front Fog Indicator Light — If Equipped

This indicator light will illuminate when the front fog lights are on.

Turn Signal Indicator Lights

When the left or right turn signal is activated, the turn signal indicator will flash independently and the corresponding exterior turn signal lamps will flash. Turn signals can be activated when the multifunction lever is moved down (left) or up (right).

NOTE:

- A continuous chime will sound if the vehicle is driven more than 1 mile (1.6 km) with either turn signal on.
- Check for an inoperative outside light bulb if either indicator flashes at a rapid rate.
- If equipped with fog lamps, the fog lamp on the side of the activated turn signal will also illuminate to provide additional light when turning.

Cruise Control SET Indicator Light — If Equipped With Premium Instrument Cluster Display

This light will turn on when the cruise control is set ➪ page 177.

Stop/Start Active Indicator Light — If Equipped

This indicator light will illuminate when the Stop/Start function is in “Autostop” mode ➪ page 175.

4WD AUTO Indicator Light — If Equipped

This light alerts the driver that the vehicle is in the four-wheel drive auto mode, and the front axle is engaged, but the vehicle's power is sent to the rear wheels. Four-wheel drive will be automatically engaged when the vehicle senses a loss of traction ➪ page 161.

WHITE INDICATOR LIGHTS

Adaptive Cruise Control (ACC) Ready Light — If Equipped

This light will illuminate when the vehicle equipped with ACC has been turned on but not set ➪ page 179.

Cruise Control Ready Indicator

This indicator light will illuminate when the cruise control is ready, but not set ➪ page 177.

Cruise Control SET Indicator Light — If Equipped With Base/Midline Instrument Cluster Display

This light will turn on when the cruise control is set ➪ page 177.

Hill Descent Control (HDC) Indicator Light — If Equipped

This indicator shows when the HDC feature is turned on. The lamp will be on solid when HDC is armed. HDC can only be armed when the transfer case is in the “4WD LOW” position and the vehicle speed is less then 20 mph (32 km/h). If these conditions are not met while attempting to use the HDC feature, the HDC indicator light will flash on/off.

LaneSense Indicator Light — If Equipped

When the LaneSense system is ON, but not armed, the LaneSense indicator light illuminates solid white. This occurs when only left, right, or neither lane line has been detected. If a single lane line is detected, the system is ready to provide only visual warnings if an unintentional lane departure occurs on the detected lane line ➪ page 199.

Blue Indicator Lights

High Beam Indicator Light

This indicator light will illuminate to indicate that the high beam headlights are on. With the low beams activated, push the multifunction lever forward (toward the front of the vehicle) to turn on the high beams. Pull the multifunction lever rearward (toward the rear of the vehicle) to turn off the high beams. If the high beams are off, pull the lever toward you for a temporary high beam on, “flash to pass” scenario.

ONBOARD DIAGNOSTIC SYSTEM — OBD II

Your vehicle is equipped with a sophisticated Onboard Diagnostic system called OBD II. This system monitors the performance of the emissions, engine, and transmission control systems. When these systems are operating properly, your vehicle will provide excellent performance and fuel economy, as well as engine emissions well within current government regulations.

If any of these systems require service, the OBD II system will turn on the Malfunction Indicator Light (MIL). It will also store diagnostic codes and other information to assist your service technician in making repairs. Although your vehicle will usually be drivable and not need towing, see an authorized dealer for service as soon as possible.

CAUTION!

- Prolonged driving with the MIL on could cause further damage to the emission control system. It could also affect fuel economy and driveability. The vehicle must be serviced before any emissions tests can be performed.
- If the MIL is flashing while the vehicle is running, severe catalytic converter damage and power loss will soon occur. Immediate service is required.

Onboard Diagnostic System (OBD II) Cybersecurity

Your vehicle is required to have OBD II and a connection port to allow access to information related to the performance of your emissions controls. Authorized service technicians may need to access this information to assist with the diagnosis and service of your vehicle and emissions system ➪ page 236.

WARNING!

- ONLY an authorized service technician should connect equipment to the OBD II connection port in order to read the VIN, diagnose, or service your vehicle.
- If unauthorized equipment is connected to the OBD II connection port, such as a driver-behavior tracking device, it may:
  - Be possible that vehicle systems, including safety related systems, could be impaired or a loss of vehicle control could occur that may result in an accident involving serious injury or death.
  - Access, or allow others to access, information stored in your vehicle systems, including personal information.

EMISSIONS INSPECTION AND MAINTENANCE PROGRAMS

In some localities, it may be a legal requirement to pass an inspection of your vehicle's emissions control system. Failure to pass could prevent vehicle registration.

For states that require an Inspection and Maintenance (I/M), this check verifies the Malfunction Indicator Light (MIL) is functioning and is not on when the engine is running, and that the OBD II system is ready for testing.

Normally, the OBD II system will be ready. The OBD II system may **not** be ready if your vehicle was recently serviced, recently had a depleted battery or a battery replacement. If the OBD II system should be determined not ready for the I/M test, your vehicle may fail the test.

Your vehicle has a simple ignition actuated test, which you can use prior to going to the test station. To check if your vehicle's OBD II system is ready, you must do the following:

1. Cycle the ignition switch to the ON position, but do not crank or start the engine.

NOTE:
If you crank or start the engine, you will have to start this test over.

2. As soon as you cycle the ignition switch to the ON position, you will see the Malfunction Indicator Light (MIL) symbol come on as part of a normal bulb check.
3. Approximately 15 seconds later, one of two things will happen:
   - The MIL will flash for about 10 seconds and then return to being fully illuminated until you turn OFF the ignition or start the engine. This means that your vehicle's OBD II system is **not ready** and you should **not** proceed to the I/M station.
   - The MIL will not flash at all and will remain fully illuminated until you place the ignition in the off position or start the engine. This means that your vehicle's OBD II system is **ready** and you can proceed to the I/M station.

If your OBD II system is **not ready,** you should see an authorized dealer or repair facility. If your vehicle was recently serviced or had a battery failure or replacement, you may need to do nothing more than drive your vehicle as you normally would in order for your OBD II system to update. A recheck with the above test routine may then indicate that the system is **now ready**.

Regardless of whether your vehicle's OBD II system is ready or not, if the MIL is illuminated during normal vehicle operation you should have your vehicle serviced before going to the I/M station. The I/M station can fail your vehicle because the MIL is on with the engine running.

STARTING THE ENGINE

GASOLINE ENGINE

Before starting your vehicle, adjust your seat, adjust both inside and outside mirrors, and fasten your seat belt.

The starter should not be operated for more than 10-second intervals. Waiting a few seconds between such intervals will protect the starter from overheating.

WARNING!

- When leaving the vehicle, always make sure the keyless ignition node is in the OFF mode, remove the key fob from the vehicle and lock the vehicle.
- Never leave children alone in a vehicle, or with access to an unlocked vehicle. Allowing children to be in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Children should be warned not to touch the parking brake, brake pedal or the gear selector.

(Continued)

WARNING! *(Continued)*

- Do not leave the key fob in or near the vehicle, or in a location accessible to children, and do not leave the ignition of a vehicle equipped with Keyless Enter-N-Go in the ACC or ON/RUN mode. A child could operate power windows, other controls, or move the vehicle.
- Do not leave children or animals inside parked vehicles in hot weather. Interior heat build-up may cause serious injury or death.

DIESEL ENGINE

Before starting your vehicle, adjust your seat, both inside and outside mirrors, and fasten your seat belts.

The starter is allowed to crank for up to 25-second intervals. Waiting a few minutes between such intervals will protect the starter from overheating.

WARNING!

- Before exiting a vehicle, always come to a complete stop, then shift the automatic transmission into PARK and apply the parking brake.
- Always make sure the ENGINE START/STOP button is in the OFF mode, key fob is removed from the vehicle and vehicle is locked.
- Never leave children alone in a vehicle, or with access to an unlocked vehicle. Leaving children in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Children should be warned not to touch the parking brake, brake pedal or the gear selector.

(Continued)

WARNING! *(Continued)*

- Do not leave the key fob in or near the vehicle, or in a location accessible to children, and do not leave the ignition of a vehicle equipped with Keyless Enter-N-Go in the ACC or ON/RUN mode. A child could operate power windows, other controls, or move the vehicle.
- Do not leave children or animals inside parked vehicles in hot weather. Interior heat build-up may cause serious injury or death.

NOTE:
Engine start up in very low ambient temperature could result in evident white smoke. This condition will disappear as the engine warms up.

CAUTION!

- The engine is allowed to crank as long as 25 seconds. If the engine fails to start during this period, please wait at least two minutes for the starter to cool before repeating start procedure.

(Continued)

CAUTION! *(Continued)*

- If the "Water in Fuel Indicator Light" remains on, DO NOT START engine before you drain the water from the fuel filter to avoid engine damage ➪ page 412.

AUTOMATIC TRANSMISSION

Start the engine with the transmission in PARK position. Apply the brake before shifting into any driving range.

NOTE:

- This vehicle is equipped with a transmission shift interlocking system. The brake pedal must be pressed to shift out of PARK.
- If equipped with an 8-speed transmission, starting the vehicle in NEUTRAL is not possible unless the Manual Park Release has been activated ➪ page 390.

AUTOPARK

AutoPark is a supplemental feature to assist in placing the vehicle in PARK should the situations on the following pages occur. It is a back up system and should not be relied upon as the primary method by which the driver shifts the vehicle into PARK.

The conditions under which AutoPark will engage are outlined on the following pages.

WARNING!

- Driver inattention could lead to failure to place the vehicle in PARK. ALWAYS DO A VISUAL CHECK that your vehicle is in PARK by verifying that a solid (not blinking) "P" is indicated in the instrument cluster display and near the gear selector. If the "P" indicator is blinking, your vehicle is not in PARK. As an added precaution, always apply the parking brake when exiting the vehicle.
- AutoPark is a supplemental feature. It is not designed to replace the need to shift your vehicle into PARK. It is a back up system and should not be relied upon as the primary method by which the driver shifts the vehicle into PARK.

If the vehicle is not in PARK and the driver turns off the engine, the vehicle may AutoPark.

AutoPark will engage when all of these conditions are met:

- Vehicle is equipped with a rotary shifter and an 8-speed transmission
- Vehicle is not in PARK
- Vehicle speed is 1.2 mph (1.9 km/h) or less
- Ignition switched from RUN to ACC

NOTE:
For Keyless Enter-N-Go equipped vehicles, the engine will turn off and the ignition switch will change to ACC mode. After 30 minutes the ignition switches to OFF automatically, unless the driver turns the ignition switch OFF.

If the vehicle is not in PARK and the driver exits the vehicle with the engine running, the vehicle may AutoPark.

AutoPark will engage when all of these conditions are met:

- Vehicle is equipped with a rotary shifter and an 8-speed transmission
- Vehicle is not in PARK
- Vehicle speed is 1.2 mph (1.9 km/h) or less
- Driver's seat belt is unbuckled
- Driver's door is ajar
- Brake pedal is not pressed

The message "**AutoPark Engaged Shift to P then Shift to Gear**" will display in the instrument cluster.

NOTE:
In some cases the ParkSense graphic will be displayed in the instrument cluster, causing the "**AutoPark Engaged Shift to P then Shift to Gear**" message to not be seen. In these cases, the gear selector must be returned to "P" to select desired gear.

If the driver shifts into PARK while moving, the vehicle may AutoPark.

AutoPark will engage **ONLY** when vehicle speed is 1.2 mph (1.9 km/h) or less.

The message "**Vehicle Speed is Too High to Shift to P**" will be displayed in the instrument cluster if vehicle speed is above 1.2 mph (1.9 km/h).

WARNING!
If vehicle speed is above 1.2 mph (1.9 km/h), the transmission will default to NEUTRAL until the vehicle speed drops below 1.2 mph (1.9 km/h). A vehicle left in the NEUTRAL position can roll. As an added precaution, always apply the parking brake when exiting the vehicle.

4WD LOW — If Equipped

AutoPark will be disabled when operating the vehicle in 4WD LOW.

The message "**AutoPark Disabled**" will be displayed in the instrument cluster.

Additional customer warnings will be given when all of these conditions are met:

- Vehicle is not in PARK
- Driver's door is ajar
- Vehicle is in 4WD LOW range

The message "**AutoPark Not Engaged**" will be displayed in the instrument cluster. A warning chime will continue until you shift the vehicle into PARK or the driver's door is closed.

ALWAYS DO A VISUAL CHECK that your vehicle is in PARK by looking for the "P" in the instrument cluster display and near the gear selector. As an added precaution, always apply the parking brake when exiting the vehicle.

Tip Start Feature

Do not press the accelerator. Cycle the ignition switch briefly to the START position and release it. The starter motor will continue to run and will automatically disengage when the engine is running.

Keyless Enter-N-Go — Ignition

This feature allows the driver to operate the ignition switch with the push of a button, as long as the Remote Start/Keyless Enter-N-Go key fob is in the passenger compartment.

Normal Starting Using ENGINE START/STOP Button — Gasoline Engine

To Turn On The Engine Using The ENGINE START/STOP Button

1. The transmission must be in PARK.
2. Press and hold the brake pedal while pushing the ENGINE START/STOP button once.
3. The system starts the vehicle. If the vehicle fails to start, the starter will disengage automatically after 10 seconds.
4. If you wish to stop the cranking of the engine prior to the engine starting, push the button again.

To Turn Off The Engine Using ENGINE START/STOP Button

1. Place the gear selector in PARK, then push and release the ENGINE START/STOP button. The ignition will return to the OFF mode.
2. If the gear selector is not in PARK, the ENGINE START/STOP button must be held for two seconds or three short pushes in a row with the vehicle speed above 5 mph (8 km/h) before the engine will shut off. The ignition will remain in the ACC mode until the gear selector is in PARK and the button is pushed twice to the OFF mode.
3. If the gear selector is not in PARK and the ENGINE START/STOP button is pushed once with the vehicle speed above 5 mph (8 km/h), the instrument cluster will display a “**Vehicle Not In Park**” message and the engine will remain running. Never leave a vehicle out of the PARK position, or it could roll.

NOTE:
If the gear selector is not in PARK, and the ENGINE START/STOP button is pushed once with the vehicle speed below 5 mph (8 km/h), the engine will shut off and the ignition will remain in the ACC position. If vehicle speed drops below 1.2 mph (1.9 km/h), the vehicle may AutoPark ➪ page 141.

ENGINE START/STOP Button Functions — With Driver’s Foot OFF The Brake Pedal (In PARK Or NEUTRAL Position)

The ENGINE START/STOP button operates similar to an ignition switch. It has three modes: OFF, ACC, and RUN. To change the ignition modes without starting the vehicle and use the accessories, follow these directions:

1. Start with the ignition in the OFF mode.
2. Push the ENGINE START/STOP button once to place the ignition to the ACC mode.

3. Push the ENGINE START/STOP button a second time to place the ignition to the RUN mode.
4. Push the ENGINE START/STOP button a third time to return the ignition to the OFF mode.

If Engine Fails To Start

If the engine fails to start after you have followed the "Normal Starting" procedure, it may be flooded. Push the accelerator pedal all the way to the floor and hold it there while the engine is cranking. This should clear any excess fuel in case the engine is flooded.

The starter motor will engage automatically, run for 10 seconds, and then disengage. Once this occurs, release the accelerator pedal and the brake pedal, wait 10 to 15 seconds, then repeat the "Normal Starting" procedure.

WARNING!

- Never pour fuel or other flammable liquid into the throttle body air inlet opening in an attempt to start the vehicle. This could result in flash fire causing serious personal injury.

(Continued)

WARNING! *(Continued)*

- Do not attempt to push or tow your vehicle to get it started. Vehicles equipped with an automatic transmission cannot be started this way. Unburned fuel could enter the catalytic converter and once the engine has started, ignite and damage the converter and vehicle.
- If the vehicle has a discharged battery, booster cables may be used to obtain a start from a booster battery or the battery in another vehicle. This type of start can be dangerous if done improperly ➪ page 386.

CAUTION!

To prevent damage to the starter, do not crank the engine for more than 10 seconds at a time. Wait 10 to 15 seconds before trying again.

If the engine has been flooded, it may start to run, but not have enough power to continue running when the ignition button/key is released. If this occurs, continue cranking with the accelerator pedal pushed all the way to the floor. Release the accelerator pedal and the ignition button/key once the engine is running smoothly.

If the engine shows no sign of starting after a 10 second period of engine cranking with the accelerator pedal held to the floor, wait 10 to 15 seconds, then repeat the "Normal Starting" procedure.

Normal Starting Using ENGINE START/STOP Button — Diesel Engine

Observe the instrument panel telltales when starting the engine.

NOTE:
Normal starting of either a cold or a warm engine is obtained without pumping or pressing the accelerator pedal.

To Turn On The Engine Using The ENGINE START/STOP Button

1. The transmission must be in PARK (P).
2. Press and hold the brake pedal while pushing the ENGINE START/STOP button once.

NOTE:
A delay of the start, up to five seconds is possible under very cold conditions. The "Wait to Start" telltale will be illuminated during the pre-heat process. When the engine “Wait To Start” light goes off the engine will automatically crank.

CAUTION!
If the “Water in Fuel Indicator Light” remains on, DO NOT START the engine before you drain the water from the fuel filter to avoid engine damage ➪ page 412.

3. The system starts the vehicle. If the vehicle fails to start, the starter will disengage automatically after 25 seconds.
4. If you wish to stop the cranking of the engine prior to the engine starting, push the button again.

NOTE:
Normal starting of either a cold or a warm engine is obtained without pumping or pressing the accelerator pedal.

To Turn Off The Engine Using ENGINE START/ STOP Button

1. Place the gear selector in PARK, then push and release the ENGINE START/STOP button. The ignition will return to the OFF mode.
2. If the gear selector is not in PARK, the ENGINE START/STOP button must be held for two seconds or three short pushes in a row with the vehicle speed above 5 mph (8 km/h) before the engine will shut off. The ignition will remain in the ACC mode until the gear selector is in PARK and the button is pushed twice to the OFF mode.
3. If the gear selector is not in PARK and the ENGINE START/STOP button is pushed once with the vehicle speed above 5 mph (8 km/h), the instrument cluster will display a “**Vehicle Not In Park**” message and the engine will remain running. Never leave a vehicle out of the PARK position, or it could roll.

NOTE:
If the gear selector is not in PARK, and the ENGINE START/STOP button is pushed once with the vehicle speed below 5 mph (8 km/h), the engine will shut off and the ignition will remain in the ACC position. If vehicle speed drops below 1.2 mph (1.9 km/h), the vehicle may AutoPark ➪ page 141.

ENGINE START/STOP Button Functions — With Driver’s Foot OFF The Brake Pedal (In PARK Or NEUTRAL Position)

The ENGINE START/STOP button operates similar to an ignition switch. It has three modes: OFF, ACC, and RUN. To change the ignition modes without starting the vehicle and use the accessories, follow these directions:

1. Start with the ignition in the OFF mode.
2. Push the ENGINE START/STOP button once to place the ignition to the ACC mode.
3. Push the ENGINE START/STOP button a second time to place the ignition to the RUN mode.
4. Push the ENGINE START/STOP button a third time to return the ignition to the OFF mode.

Cold Weather Operation (Below −22°F Or −30°C)

To ensure reliable starting at these temperatures, use of an externally powered electric engine block heater (available from an authorized dealer) is recommended.

After Starting

The idle speed is controlled automatically, and it will decrease as the engine warms up.

Starting Fluids — Diesel Engine Only

The engine is equipped with a glow plug preheating system. If the instructions in this manual are followed, the engine should start in all conditions and no type of starting fluid should be used.

WARNING!

- Do not leave children or animals inside parked vehicles in hot weather. Interior heat build up may cause serious injury or death.

(Continued)

WARNING! *(Continued)*

- When leaving the vehicle, always make sure the wireless ignition node is in the "OFF" mode, remove the key fob from the vehicle and lock the vehicle.
- Never leave children alone in a vehicle, or with access to an unlocked vehicle. Allowing children to be in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Children should be warned not to touch the parking brake, brake pedal or the gear selector.
- Do not leave the key fob in or near the vehicle, or in a location accessible to children, and do not leave the ignition of a vehicle equipped with Keyless Enter-N-Go in the ACC or ON/RUN mode. A child could operate power windows, other controls, or move the vehicle.

NORMAL OPERATION — DIESEL ENGINE

Observe the following when the diesel engine is operating.

- All message center lights are off.
- Malfunction Indicator Light (MIL) is off.
- Engine Oil Pressure telltale is not illuminated.
- Voltmeter operation:

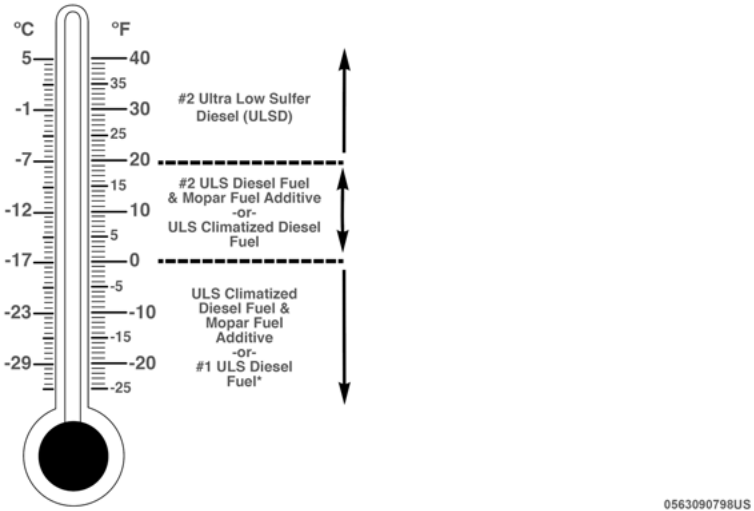
The voltmeter may show a gauge fluctuation at various engine temperatures. This is caused by the glow plug heating system. The number of cycles and the length of the cycling operation is controlled by the engine control module. Glow plug heater operation can run for several minutes, once the heater operation is complete the voltmeter needle will stabilize.

Cold Weather Precautions

Operation in ambient temperature below 32°F (0°C) may require special considerations. The following charts suggest these options:

Fuel Operating Range

NOTE:
Use “Ultra Low Sulfur Diesel Fuels (ULSD)” **ONLY.**



Fuel Operating Range Chart

*Number 1 ULSD Fuel should only be used where extended arctic conditions below (0°F/-18°C) exist.

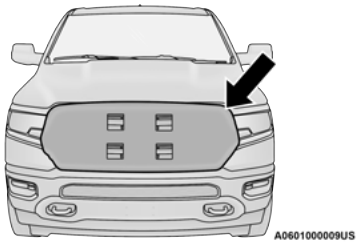
NOTE:

- Use of Climatized ULSD Fuel or Number 1 ULSD Fuel results in a noticeable decrease in fuel economy.
- Climatized ULSD Fuel is a blend of Number 2 ULSD and Number 1 ULSD Fuels which reduces the temperature at which wax crystals form in fuel.
- The fuel grade should be clearly marked on the pump at the fuel station.
- The engine requires the use of ULSD Fuel. Use of incorrect fuel could result in engine and exhaust system damage ➪ page 471.
- If Climatized or diesel Number 1 ULSD Fuel is not available, and you are operating below (20°F/-6°C), in sustained arctic conditions, Mopar Premium Diesel Fuel Treatment (or equivalent) is recommended to avoid gelling (see Fuel Operating Range Chart).

Engine Oil Usage

For the correct engine oil viscosity ➪ page 475.

Winter Front Cover



Winter Front Cover

A Winter front or cold weather cover can be used in ambient temperatures below 32°F (0°C), especially during extended idle conditions. This cover is equipped with four flaps for managing total grille opening in varying ambient temperatures. If a Winter front or cold weather cover is to be used the flaps should be in the full open position to allow air flow to the cooling module and automatic transmission oil cooler. When ambient temperatures drop below 0°F (-17°C) the four flaps need to be closed. A suitable cold weather cover is available from a Mopar dealer.

Engine Warm-Up

Avoid full throttle operation when the engine is cold. When starting a cold engine, bring the engine up to operating speed slowly to allow the oil pressure to stabilize as the engine warms up.

If temperatures are below 32°F (0°C), operate the engine at moderate speeds for five minutes before full loads are applied.

Engine Idling

Avoid prolonged idling, long periods of idling may be harmful to your engine because combustion chamber temperatures can drop so low that the fuel may not burn completely. Incomplete combustion allows carbon and varnish to form on piston rings, cylinder head valves, and injector nozzles. Also, the unburned fuel can enter the crankcase, diluting the oil and causing rapid wear to the engine.

Stopping The Engine

After full load operation, idle the engine for a few minutes before shutting it down. This idle period will allow the lubricating oil and coolant to carry excess heat away from the turbocharger. Refer to the following chart for proper engine shutdown.