Jeep®

2021 GRAND CHEROKEE

PERFORMANCE FEATURES GUIDE

Jeep

TABLE OF CONTENTS

INTRODUCTION

GETTING TO KNOW YOUR VEHICLE

GETTING TO KNOW YOUR INSTRUMENT PANEL

STARTING AND OPERATING

MULTIMEDIA

SAFETY

IN CASE OF EMERGENCY

SERVICING AND MAINTENANCE

TECHNICAL SPECIFICATIONS

INTRODUCTION

Dear Customer,

This SRT Supplement has been prepared with the assistance of service and engineering specialists to acquaint you with the operation and maintenance of your vehicle. Within this information, you will find a description of the SRT services that FCA US LLC offers to its customers. Please take the time to read all of this publication carefully before driving your vehicle for the first time. Following the instructions, recommendations, tips, and important warnings in this manual will help ensure safe and enjoyable operation of your vehicle. After you have read the booklet, it should be stored in the vehicle for convenient reference and remain with the vehicle when sold. For additional information, refer to your vehicle's Owner's Manual.

When it comes to service, remember that authorized dealers know your Jeep® vehicle best, have factory-trained technicians and genuine MOPAR® parts, and care about your satisfaction.

SYMBOLS KEY

WARNING!	These statements are against operating procedures that could result in a collision, bodily injury and/or death.
CAUTION!	These statements are against procedures that could result in damage to your vehicle.
NOTE:	A suggestion which will improve installation, operation, and reliability. If not followed, may result in damage.
TIP:	General ideas/solutions/suggestions on easier use of the product or functionality.

PAGE REFERENCE ARROW 	Follow this reference for additional information on a particular feature.
FOOTNOTE 	Supplementary and relevant information pertaining to the topic.

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

SYMBOL GLOSSARY

Some car components have colored labels with symbols indicating precautions to be observed when using this component. It is important to follow all warnings when operating your vehicle. See below for the definition of each symbol ➪ page 10.

Green Indicator Lights	
	ECO Mode Indicator Light (SRT) — If Equipped ➪ page 13
	Snow Mode Indicator Light — If Equipped ➪ page 13
	Sport Mode SRT Indicator Light ➪ page 13
	Tow Mode SRT Indicator Light ➪ page 13
	Track Mode SRT Indicator Light ➪ page 13

White Indicator Lights	
	Custom Mode SRT Indicator Light ➪ page 13
	SRT Speed Warning Indicator Light — If Equipped ➪ page 13
	Valet Mode SRT Indicator Light ➪ page 13

GETTING TO KNOW YOUR VEHICLE

KEYS

Programming And Requesting Additional Key Fobs

NOTE:
Black Keys (6.4 L) must be replaced with Black Keys and Red Keys (6.2 L) must be replaced with Red Keys.

Refer to “Keys” in “Getting To Know Your Vehicle” in the Owner’s Manual for further information.

EXTERIOR LIGHTS

Daytime Running Lights (DRLs)

The DRLs (bright intensity) come on whenever the engine is running and the transmission is not in PARK. The lights will remain on until the ignition is placed in the OFF or ACC position or the parking brake is engaged.

The headlight switch must be used for normal nighttime driving.

Refer to “Exterior Lights” in “Getting To Know Your Vehicle” in the Owner’s Manual for further information.

WINDSHIELD WIPERS AND WASHERS

Headlight Washers — If Equipped

The headlight washers are integrated with the windshield washer, and can be operated by the multifunction lever when the ignition switch is in the ON position and the headlights are turned on.

NOTE:
After turning the ignition switch and headlights on, the headlight washers will operate on the first spray of the windshield washer and then every eleventh spray after that.

GETTING TO KNOW YOUR INSTRUMENT PANEL

INSTRUMENT CLUSTER — SRT

SRT Instrument Cluster

SRT Instrument Cluster Descriptions

1. Speedometer
   - Indicates vehicle speed.
2. Tachometer
   - Indicates the engine speed in revolutions per minute (RPM x 1000).
3. Temperature Gauge
   - The temperature gauge shows engine coolant temperature. After an engine warm up, any reading within 203°F - 230°F (95°C - 110°C) 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 59.

CAUTION!

Driving with a hot engine cooling system could damage your vehicle. If the temperature gauge reads greater than 230°F (110°C) 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 above 230°F (110°C), turn the engine off immediately and call an authorized dealer for service.

4. Fuel Gauge
   - The pointer shows the level of fuel in the fuel tank when the Keyless Push Button 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. Instrument Cluster Display
   - The instrument cluster display features a driver interactive display ➪ page 10.

Instrument Cluster Display Location And Controls

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

NOTE:
The hard telltales will illuminate for a bulb check when the ignition is first cycled.

INSTRUMENT CLUSTER DISPLAY

Your vehicle is 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. 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 LOCATION AND CONTROLS

The instrument cluster display is located in the center of the instrument cluster.

Instrument Cluster Display Location And Controls

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

The Main Menu items selectable in the driver interactive display consist of the following:

- Main Gauge
- Vehicle Info
- Terrain — If Equipped
- Performance — If Equipped
- Screen Setup
- Diagnostics — If Equipped
- Speed Warning — If Equipped

INSTRUMENT CLUSTER DISPLAY MENU ITEMS

The instrument cluster display can be used to view the main menu items for several features. Use the **up** △ and **down** ▽ arrow buttons to scroll through the driver interactive display menu options until the desired menu is reached.

NOTE:
Depending on the vehicle's options, feature settings may vary.

Main Gauge

SRT

Push and release the **up** △ or **down** ▽ arrow button until the main gauge menu icon is displayed in the instrument cluster display. Push and release the **left** ◁ or **right** ▷ arrow buttons to change between large and small speedometer display. Push and release the **OK** button to toggle units (mph or km/h) of the speedometer.

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 submenus.

SRT	
● Tire Pressure	● Transmission Temperature
● Oil Temperature	● Oil Pressure
● Oil Life	● Battery Voltage ○ Storage Mode — If Equipped
● Coolant Temperature	● Intake Air Temperature
● Engine Torque	● Engine Power
● Air/Fuel Ratio — If Equipped	● Boost Pressure — If Equipped
● I/C Coolant Temperature — If Equipped	

Terrain — If Equipped

Push and release the **up** △ or **down** ▽ arrow button until the Terrain icon/title is highlighted in the instrument cluster display. Push and release the **right** ▷ or **left** ◁ arrow button to display the Selec-Track or Drivetrain.

Push and release the **up** △ or **down** ▽ arrow button until the Terrain icon/title is highlighted in the instrument cluster display. Push and release the **right** ▷ or **lef t** ◁ arrow button to display the Selec-Terrain, Air Suspension, Drivetrain, and Wheel Articulation.

SRT

- Selec-Track — If Equipped
- Drivetrain: Front Wheel Angle, T-Case, Axle Lock

Performance Features — If Equipped

Push and release the **up** △ or **down** ▽ arrow button until the SRT icon/title is highlighted in the instrument cluster display. Push and release the **left** ◁ or **right** ▷ arrow button to scroll through the performance feature submenus.

WARNING!
Measurement of vehicle statistics with the Performance Features is intended for off-highway or track use only and should not be done on any public roadways. It is recommended that these features be used in a controlled environment and within the limits of the law. The capabilities of the vehicle as measured by the performance pages must never be exploited in a reckless or dangerous manner, which can jeopardize the user's safety or the safety of others. Only a safe, attentive, and skillful driver can prevent accidents.

The Performance Features include the following:

- 0-60 MPH (0-100 km/h) Timer
  - Best
  - Last
  - Recent
  - Reaction Time — If Selected
- 0-100 MPH (0-160 km/h) Timer
  - Best
  - Last
  - Recent
  - Reaction Time — If Selected
- 0-60 feet (0-20 meters) Timer
  - Best
  - Last
  - Recent
  - Reaction Time — If Selected
- 1/8 Mile (200 meters) Timer
  - Best
  - Last
  - Recent
  - Reaction Time — If Selected
- 1/4 Mile (400 meters) Timer
  - Best
  - Last
  - Recent
  - Reaction Time — If Selected
- Braking Distance
  - Distance
  - From Speed
- Current G-Forces
- Peak G-Forces
- Lap Timer
- Lap History
  - Will list the last four laps with the best lap highlighted in green.
- Top Speed

Screen Setup

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

Screen Setup Driver Selectable Items

Favorite Menus

- Main Gauge
- Vehicle Info
- Terrain — If Equipped
- Performance — If Equipped (show/hide)
- Screen Setup
- Diagnostic Codes — SRT
- Speed Warning

The menu with (show/hide) means user can press **OK** button to choose show or hide this menu on the instrument cluster display.

Diagnostics — SRT

Push and release the **up** △ or **down** ▽ arrow button until the Diagnostics icon/title is highlighted in the instrument cluster display. Push and release the **OK** button to display the diagnostic trouble codes and descriptions. When the end of the list is reached, “No Further or End of Diagnostic Codes” will appear in the instrument cluster display.

Speed Warning — SRT

Push and release the **up** △ or **down** ▽ arrow button until the Speed Warning Menu icon/title is displayed in the instrument cluster display. Push and release **OK** to enter speed warning. Use the **up** △ or **down** ▽ arrow button to select a desired speed, then push and release **OK** to set the speed. The white passive speed limiter telltale will light up with a notification text message (Speed Warning Set to XX, followed by the selected unit). When the set speed is exceeded, an audible chime will sound until the speed is no longer exceeded. The white passive speed limiter telltale will turn yellow and will flash, and a pop up message of "Speed Warning Exceeded" will display.

NOTE:
You can turn the Speed Warning off by using the **up** △ /**down** ▽ arrows to scroll through speed list and select **OFF** at the bottom of the list.

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.

GREEN INDICATOR LIGHTS

ECO Mode Indicator Light (SRT) — If Equipped

This light will turn on when ECO Mode is active.

Snow Mode Indicator Light — If Equipped

This light will turn on when Snow Mode is active.

Sport Mode SRT Indicator Light

This light will turn on when Sport Mode is active.

Tow Mode SRT Indicator Light

This light will turn on when Tow Mode is active.

Track Mode SRT Indicator Light

This light will turn on when Track Mode is active.

WHITE INDICATOR LIGHTS

Custom Mode SRT Indicator Light

This light will turn on when Custom Mode SRT is active.

SRT Speed Warning Indicator Light — If Equipped

When Set Speed Warning is turned on, the speed warning telltale will illuminate in the instrument cluster with a number matching the set speed. When the set speed is exceeded, the indication will light up yellow and flash along with a continuous chime. Speed Warning can be turned on and off in the instrument cluster display ➪ page 10.

The number "55" is only an example of a speed that can be set.

Valet Mode SRT Indicator Light

This light will turn on when Valet Mode is active.

ENGINE BLOCK HEATER — IF EQUIPPED

The engine block heater warms the engine, and permits quicker starts in cold weather. Connect the cord to a standard 110-115 Volt AC electrical outlet with a grounded, three-wire extension cord.

The engine block heater must be plugged in at least one hour to have an adequate warming effect on the engine.

The engine block heater cord is located:

- 6.2L/6.4L Engine — Bundled and strapped in front of the power distribution center.

WARNING!
Remember to disconnect the engine block heater cord before driving. Damage to the 110-115 Volt electrical cord could cause electrocution.

ENGINE BREAK-IN RECOMMENDATIONS

The following tips will be helpful in obtaining optimum performance and maximum durability for your new SRT Vehicle.

This breaking in occurs mainly during the first 500 miles (805 km) and continues through the first oil change interval.

It is recommended for the operator to observe the following driving behaviors during the new vehicle break-in period:

0 to 100 miles (0 to 161 km):

- Do not allow the engine to operate at idle for an extended period of time.
- Press the accelerator pedal slowly and not more than halfway to avoid rapid acceleration.
- Avoid aggressive braking.
- Drive with the engine speed below 3,500 RPM.
- Maintain vehicle speed below 55 mph (88 km/h) and observe local speed limits.

100 to 300 miles (161 to 483 km):

- Press the accelerator pedal slowly and not more than halfway to avoid rapid acceleration in lower gears (FIRST to THIRD gears).
- Avoid aggressive braking.
- Drive with the engine speed below 5,000 RPM.
- Maintain vehicle speed below 70 mph (112 km/h) and observe local speed limits.

300 to 500 miles (483 to 805 km):

- Exercise the full engine RPM range, shifting manually (paddles or gear shift) at higher RPMs when possible.
- Do not perform sustained operation with the accelerator pedal at wide open throttle.
- Maintain vehicle speed below 85 mph (136 km/h) and observe local speed limits.

For the first 1,500 miles (2,414 km):

- Do not participate in track events, sport driving schools, or similar activities.

NOTE:
Check engine oil with every refueling and add if necessary. Oil and fuel consumption may be higher through the first oil change interval. Running the engine with an oil level below the add mark can cause severe engine damage.

AUTOMATIC TRANSMISSION

You must press and hold the brake pedal while shifting out of PARK.

WARNING!

- Never use the PARK position as a substitute for the parking brake. Always apply the parking brake fully when exiting the vehicle to guard against vehicle movement and possible injury or damage.
- Your vehicle could move and injure you and others if it is not in PARK. Check by trying to move the transmission gear selector out of PARK with the brake pedal released. Make sure the transmission is in PARK before exiting the vehicle.
- The transmission may not engage PARK if the vehicle is moving. Always bring the vehicle to a complete stop before shifting to PARK, and verify that the transmission gear position indicator solidly indicates PARK (P) without blinking. Ensure that the vehicle is completely stopped, and the PARK position is properly indicated, before exiting the vehicle.

(Continued)

WARNING!

- It is dangerous to shift out of PARK or NEUTRAL if the engine speed is higher than idle speed. If your foot is not firmly pressing the brake pedal, the vehicle could accelerate quickly forward or in reverse. You could lose control of the vehicle and hit someone or something. Only shift into gear when the engine is idling normally and your foot is firmly pressing the brake pedal.
- Unintended movement of a vehicle could injure those in or near the vehicle. As with all vehicles, you should never exit a vehicle while the engine is running. Before exiting a vehicle, always come to a complete stop, then apply the parking brake, shift the transmission into PARK, and turn the ignition OFF. When the ignition is in the OFF mode, the transmission is locked in PARK, securing the vehicle against unwanted movement.
- When exiting the vehicle, always make sure the ignition is in the OFF mode, remove the key fob from the vehicle, and lock the vehicle.

(Continued)

WARNING!

- Never leave children alone in a vehicle, or with access to an unlocked vehicle. Allowing children to be in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Children should be warned not to touch the parking brake, brake pedal or the transmission gear selector.
- Do not leave the key fob in or near the vehicle (or in a location accessible to children), and do not leave the ignition in the ACC or ON/RUN mode. A child could operate power windows, other controls, or move the vehicle.

CAUTION!

Damage to the transmission may occur if the following precautions are not observed:

- Shift into or out of PARK or REVERSE only after the vehicle has come to a complete stop.
- Do not shift between PARK, REVERSE, NEUTRAL, or DRIVE when the engine is above idle speed.
- Before shifting into any gear, make sure your foot is firmly pressing the brake pedal.

Fuel Economy (ECO) Mode

The Fuel Economy (ECO) mode can improve the vehicle's overall fuel economy during normal driving conditions. Push the “ECO” switch in the center stack of the instrument panel to activate or disable ECO mode. A light on the switch indicates when ECO mode is enabled.

Fuel Economy Mode Switch (SRT Model)

When the Fuel Economy (ECO) Mode is engaged, the vehicle control systems will change the following:

- The transmission will upshift sooner and downshift later.
- The overall driving performance will be more conservative.
- The transmission will launch (from a stop) in SECOND gear, and the torque converter clutch may engage at lower engine speeds and remain on longer.
- Some ECO mode functions may be temporarily inhibited based on temperature and other factors.

When To Use TOW Mode — If Equipped

When driving in hilly areas, towing a trailer, carrying a heavy load, etc., and frequent transmission shifting occurs, select TOW mode, using the rotary switch on the center console. Selecting TOW mode will improve performance and reduce the potential for transmission overheating or failure due to excessive shifting ➪ page 16.

SELEC-TRACK — IF EQUIPPED (SRT)

Description

Selec-Track combines the capabilities of the vehicle control systems, along with driver input, to provide the best performance for all terrains.

Rotate the Selec-Track knob to select the desired mode.

Selec-Track Switch

For further information ➪ page 31.

Selec-Track consists of the following positions:

- **SPORT** – Dry weather, on-road calibration. Performance based tuning that provides a rear wheel drive feel but with improved handling and acceleration over a two-wheel drive vehicle. This feature will reset to AUTO on an ignition cycle.
- **SNOW** – Tuning set for additional stability in inclement weather. Use on and off-road on loose traction surfaces such as SNOW. This feature will reset to AUTO upon an ignition cycle.
- **AUTO** – Fully automatic full time four-wheel drive operation can be used on and off-road. Balances traction with seamless steering feel to provide improved handling and acceleration over two-wheel drive vehicles.

- **TRACK** – TRACK road calibration for use on high traction surfaces. Driveline is maximized for traction. Some binding may be felt on less forgiving surfaces. This feature will reset to AUTO on an ignition cycle.
- **TOW** – Use this mode for towing and hauling heavy loads. Vehicle suspension will go to SPORT mode. Trailer Sway Control (TSC) is enabled in the ESC system. This feature will reset to AUTO upon an ignition cycle.

CUSTOM

This mode allows the driver to create a custom vehicle configuration that is saved for quick selection of favorite settings. The system will return to AUTO mode when the ignition switch is cycled from RUN to OFF to RUN, if this mode is selected. While in CUSTOM mode the Stability, Transmission, Steering, Suspension, all-wheel drive set up, and Paddle shifter settings may be configured through the CUSTOM mode set-up. For further information ➪ page 31.

ACTIVE DAMPING SYSTEM

This vehicle is equipped with an electronic controlled damping system. This system reduces body roll and pitch in many driving situations including cornering, acceleration and braking. There are 3 modes:

- **Street Mode** (Available in terrain positions AUTO, SNOW and CUSTOM) — Used during highway speeds where a touring suspension feel is desired.
- **Sport Mode** (Available in terrain positions AUTO, SPORT, CUSTOM and TOW) — Provides a firm suspension for better handling.
- **Track Mode** (Available in terrain positions AUTO, TRACK and CUSTOM) — Provides a full firm suspension for an aggressive track experience.

For further information ➪ page 31.

LAUNCH CONTROL

This vehicle is equipped with a Launch Control system that is designed to allow the driver to achieve maximum vehicle acceleration in a straight line. Launch Control is a form of traction control that manages tire slip while launching the vehicle. This feature is intended for use during race events on a closed course where consistent quarter mile and zero to sixty times are desired.

The system is not intended to compensate for lack of driver experience or familiarity with the race track. Use of this feature in low traction (cold, wet, gravel, etc.) conditions may results in excess wheel slip outside this system's control resulting in an aborted launch.

Preconditions:

- Launch Control should not be used on public roads. Always check track conditions and the surrounding area.
- Launch Control is not available within the first 500 miles (805 km) of engine break-in.
- Launch Control should only be used when the engine and transmission are at operating temperature.
- Launch Control is intended to be used on dry, paved road surfaces only.

CAUTION!
Use on slippery or loose surfaces may cause damage to vehicle components and is not recommended.

Launch Control is only available when the following procedure is followed:

NOTE:
Pushing the LAUNCH button on the Selec-Track switch or pressing the “Apps” button on the touch-screen are the two options to access launch control features. Please refer to the “Drive Mode Supplement” for further information.

LAUNCH Button/Touchscreen Procedure

1. Press the “Race Options” button on the touchscreen.
2. Press the “Launch RPM Set-Up” button on the touchscreen. This screen will allow you to adjust your launch RPM for optimum launch/traction.
3. Press the “Activate Launch Control” button on the touchscreen, or push the LAUNCH button on the Selec-Track switch; follow instructions in the instrument cluster display.
   - Make sure the vehicle is not moving
   - Put vehicle in FIRST gear
   - Steering wheel must be pointing straight
   - Vehicle must be on level ground
   - Apply brake pressure
   - While holding the brake, rapidly apply and hold the accelerator pedal to wide open throttle. The engine speed will hold at the RPM that was set in the “Launch RPM Set-up” screen
4. When the above conditions have been met, the instrument cluster display will read “Release Brake”.
5. Keep the vehicle pointed straight.

NOTE:
Messages will appear in the instrument cluster display to inform the driver if one or more of the above conditions have not been met.

Launch Control will be active until the vehicle reaches 62 mph (100 km/h), at which point the Electronic Stability Control (ESC) system will return to its current ESC mode.

Launch Control will abort before launch completion and display a "Launch Aborted" message in the instrument cluster when any of the following occur:

- The accelerator pedal is released during launch.
- The ESC system detects that the vehicle is no longer moving in a straight line.
- The “ESC OFF” button is pressed to change the system to another mode.

CAUTION!
Do not attempt to shift when the drive wheels are spinning and do not have traction. Damage to the transmission may occur.

TORQUE RESERVE— IF EQUIPPED

Torque Reserve is automatically enabled in Brake Torque Launch and Launch Control to reduce the time required for the intake system to fill with air. Torque Reserve provides greater engine airflow than is otherwise required, stops fuel flow to multiple cylinders and retards spark as necessary to hold torque from the airflow in reserve. As soon as the driver launches the car, fuel flow is restored and spark is advanced to instantaneously deliver the reserve torque. For a given launch engine speed, additional torque is delivered more quickly than is possible without Torque Reserve.

In Brake Torque Launch, the magnitude of reserve produced depends on the driver's accelerator pedal position. In Launch Control, the reserve magnitude depends on the engine launch RPM selected in the Race Options menu.

Due to the way the engine is controlled during Torque Reserve, a distinct exhaust note is generated and engine vibration increases.

Brake Torque Launch with Torque Reserve

This vehicle is equipped with Brake Torque Launch with Torque Reserve that is designed to allow the driver to achieve maximum vehicle acceleration in a straight line. This feature is intended for use during race events on a closed course where consistent quarter mile (time) and zero to sixty times are desired. The Brake Torque Launch with Torque Reserve feature is designed to allow the driver to launch the vehicle with the benefit of Torque Reserve, while maintaining control of the engine speed during staging and the profile of the torque delivered when launching. This feature is intended for use during race events on a closed course when additional launch torque is desired. The system is not intended to compensate for lack of driver experience or familiarity with the race track. Use of this feature in low traction (cold, wet, gravel, etc.) conditions may result in excess wheel slip outside this system's control resulting in an aborted launch.

Brake Torque Launch Procedure:

1. Initial Conditions:
   - Make sure the vehicle is not moving
   - Put vehicle in FIRST or DRIVE
   - Steering wheel must be centered with tires pointing forward
   - Vehicle must be on level ground
   - Vehicle at normal operating conditions
   - Launch Mode not active
   - Drive mode switch is in AUTO, SPORT, TRACK or CUSTOM
     - In Custom mode, the All Wheel Drive mode must not be 50/50
2. Apply adequate brake pressure with left foot.
3. Apply a steady throttle with the right foot to achieve a desired engine speed above 1,350 RPM.
4. To launch, remove left foot from brake pedal while maintaining or increasing accelerator pedal position with right foot.

NOTE:
Brake Torque Launch will abort if the engine speed drops below 1,000 RPM, throttle is released or 10 seconds have elapsed while in Torque Reserve.

CAUTION!
Do not attempt to shift when the drive wheels are spinning and do not have traction. Brake Torque Launch is not recommended within the first 500 miles (805 km) of engine break-in.

FUEL SAVER TECHNOLOGY 6.4L ONLY — IF EQUIPPED

This feature offers improved fuel economy by shutting off four of the engine's eight cylinders during light load and cruise conditions. The system is automatic with no driver inputs.

NOTE:
This system may take some time to return to full functionality after a battery disconnect.

TRAILER TOWING

In this section you will find safety tips and information on limits to the type of towing you can reasonably do with your vehicle. Before towing a trailer, carefully review this information to tow your load as efficiently and safely as possible.

To maintain the New Vehicle Limited Warranty coverage, follow the requirements and recommendations in this manual concerning vehicles used for trailer towing.

TRAILER TOWING WEIGHTS (MAXIMUM TRAILER WEIGHT RATINGS)

Engine/Transmission	GCWR (Gross Combined Wt. Rating)	Frontal Area	Max. GTW (Gross Trailer Wt.)	Max. Trailer Tongue Wt. (See Note)
6.2L Supercharged Automatic	13,100 lbs (5,942 kg)	55 sq ft (5.11 sq m)	7,200 lbs (3,265 kg)	720 lbs (327 kg)
6.4L Automatic	13,100 lbs (5,942 kg)	55 sq ft (5.11 sq m)	7,200 lbs (3,265 kg)	720 lbs (327 kg)
Refer to local laws for maximum trailer towing speeds.				

NOTE:

- The trailer tongue weight must be considered as part of the combined weight of occupants and cargo, and should never exceed the weight referenced on the Tire and Loading Information placard ➪ page 63.
- FCA does not recommend using the run flat feature while driving a vehicle loaded at full capacity or towing a trailer.

Trailer Hitch Receiver Cover Removal — If Equipped

Your vehicle may be equipped with a trailer hitch receiver cover. This must be removed to access the trailer hitch receiver (if equipped). This hitch receiver cover is located at the bottom center of the rear fascia/bumper.

1. Turn the two locking retainers located at the bottom of the hitch receiver cover a quarter turn counterclockwise.

NOTE:
Use a suitable tool such as a coin in the slot of the locking retainer if needed for added leverage.

Hitch Receiver Cover

2. Pull the bottom of the cover outward (towards you).

Hitch Receiver Cover

3. Lower back down to disengage the tabs located at the top of the hitch receiver cover and then pull outwards to remove.

To reinstall the hitch receiver cover after towing repeat the procedure in reverse order.

NOTE:
Be sure to engage all tabs of the hitch receiver cover in the fascia/bumper prior to installation.

RECREATIONAL TOWING (BEHIND MOTORHOME)

Towing This Vehicle Behind Another Vehicle

NOTE:

- Recreational towing is not allowed on SRT vehicles.
- These vehicles may be towed on a flatbed or vehicle trailer provided all four wheels are OFF the ground.

UCONNECT SETTINGS

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

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

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

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

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

CUSTOMER PROGRAMMABLE FEATURES

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

NOTE:

- All settings should be changed with the ignition in the ON/RUN position.
- Only one area of the touchscreen may be selected at a time.

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

NOTE:

Availability of settings, setting names, and menu options can vary depending on vehicle features, equipped Uconnect system, and the currently installed software.

Safety/Assistance

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

Setting Name	Description
Power Steering Default	This setting will adjust the power steering modes. Setting options are "Normal", "Sport", and "Comfort".

PERFORMANCE PAGES

Performance Pages is an application that provides a display for performance indicators that will help you gain familiarity with the capabilities of your SRT vehicle in real time.

To access the Performance Pages, push the DRIVE MODES button on the center stack near the gear shifter. Then, press the Performance Pages tab on the Dashboard page, or from the apps menu, select the Performance Pages app.

Drive Modes Button

WARNING!

Measurement of vehicle statistics with the SRT Performance Pages is intended for off-highway or off-road use only and should not be done on any public roadways. It is recommended that these features be used in a controlled environment and within the limits of the law. The capabilities of the vehicle as measured by the Performance Pages must never be exploited in a reckless or dangerous manner, which can jeopardize the user's safety or the safety of others. Only a safe, attentive, and skillful driver can prevent accidents.

The Performance Pages include the following:

- Home
- Timers
- Gauges
- G-Force
- Engine
- Dyno

The following describes each feature and its operation:

HOME

Performance Pages — Home

When "Home" is selected, a series of widgets (gauges) can be customized by the user. Follow these steps to change a widget. Either press directly on the widget you want to change, or:

1. Press the Settings button (gear icon) on the touchscreen to access the main menu for the widgets.
2. Select a following option from the menu:
   - Set Widget: Top Left
   - Set Widget: Top Right
   - Set Widget: Bottom Left
   - Set Widget: Bottom Right

3. After selecting a widget location, select the gauge or timer to display:
   - Gauge: Oil Temp
   - Gauge: Oil Pressure
   - Gauge: Coolant Temp
   - Gauge: Battery Voltage
   - Gauge: Trans Temp
   - Gauge: Boost Pressure (if equipped)
   - Gauge: Air/Fuel Ratio (if equipped)
   - Gauge: I/C Coolant Temp (if equipped)
   - Gauge: Intake Air Temp
   - Gauge: Engine Torque
   - Gauge: Engine Power
   - Gauge: G-Force
   - Gauge: Steering Angle
   - Gauge: Current Gear
   - Gauge: Current Speed
   - Timer: 0–60 mph (0–100 km/h)
   - Timer: 0–100 mph (0–160 km/h)
   - Timer: 60 ft (20 m)
   - Timer: 330 ft (100 m)
   - Timer: 1/8 mile (200 m)
   - Timer: 1000 ft (300 m)
   - Timer: 1/4 mile (400 m)
   - Timer: Brake Distance
   - Timer: Reaction Time

Historical Data

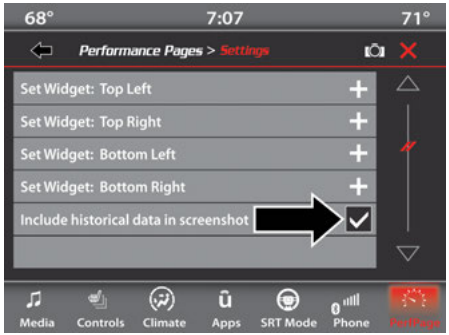
The Historical Data feature allows you to view information about your vehicle such as the Vehicle Identification Number (VIN), miles on the odometer, longitude and latitude coordinates, and more.

To activate the Historical Data feature on your touchscreen, follow these steps:

1. Select the Home page tab within Performance Pages. Then, press the settings icon (gear icon) in the upper right corner of the touchscreen.

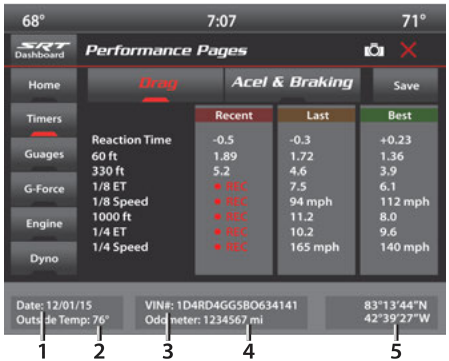
Home Page Settings

2. Towards the bottom of the screen, a checkbox will appear next to “Include historical data in screenshot.” Click the box to signify that this feature will be on.



Historical Data Screenshot

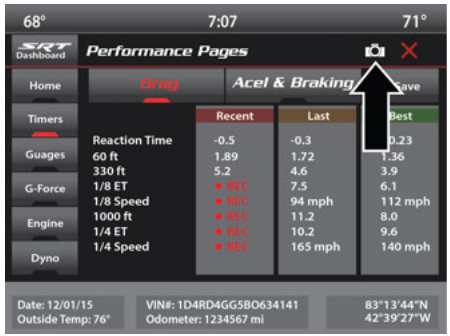
NOTE:
Once the checkbox is selected, the bottom bar of the screen will be replaced with the historical data from your vehicle present at the time the screenshot icon was pressed.



Historical Data Information

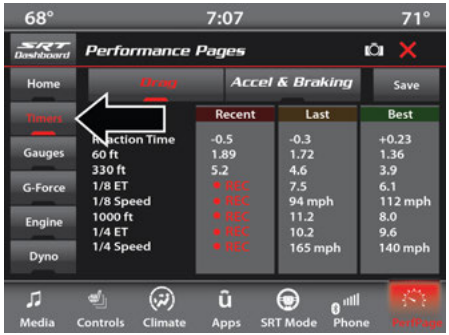
1 — Date
2 — Outside Temperature
3 — VIN
4 — Odometer
5 — Longitude And Latitude Coordinates

3. To take a screenshot of the historical data, make sure a USB device is plugged into the vehicle. Next, click the Camera icon located in the upper right corner of the touchscreen. The historical data image file will be saved to the USB drive.



Historical Data Camera Icon

TIMERS



Performance Pages — Timers

When the Timers page is selected, you will be able to select the Drag or Accel & Braking tab. The following will be displayed:

- *Recent*

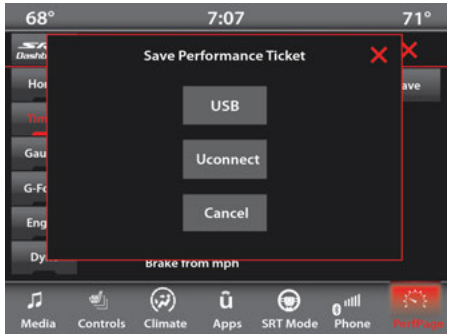
  A real-time summary of performance timers.
- *Last*

  The last recorded run of performance timers.
- *Best*

  The best recorded run of performance timers, except for braking data.
- *Save*

  Pressing the Save button will let you save a Recent, Last, or Best run. Any saved run over 10 will overwrite the oldest saved run for Uconnect system storage. The operation of the Save feature is listed below:

NOTE:
Pressing the Camera icon in the upper right corner of the touchscreen at any time will save a screenshot of the screen currently being viewed to the connected USB device.



Performance Pages — Save

- With a USB jump drive installed, press the USB button to save to the jump drive.
- Press the Uconnect button to save the runs to the Owner's web page.

NOTE:
The Uconnect option will be grayed out or missing if the vehicle does not have a valid Uconnect account associated with it.

- Press the Cancel button to return to the Timers page.

The tabs on the Timers page contain the timers listed below:

- *Reaction Time*

  Measures the driver's reaction time for launching the vehicle against a simulated drag strip timing light (behavior modeled after 500 Sportsman Tree) displayed in the instrument cluster display.

NOTE:
Drag timers (Reaction Time, 60 ft [20 m], 330 ft [100 m], 1/8 mile [200 m], 1000 ft [300 m], and 1/4 mile [400 m]) and Acceleration Timers (0-60 mph [0-96 km/h] and 0-100 mph [0-160 km/h]) will be ready to acquire new Recent data measurements when the vehicle is at 0 mph (0 km/h).

- *0-60 mph (0-100 km/h)*

  Displays the time it takes for the vehicle to go from 0 to 60 mph (0 to 100 km/h).

- *0-100 mph (0-160 km/h)*

  Displays the time it takes for the vehicle to go from 0 to 100 mph (0 to 160 km/h).

- *60 ft (20 m) ET*

  Displays the time it takes the vehicle to go 60 ft (20 m).

- *330 ft (100 m) ET*

  Displays the time it takes the vehicle to go 330 ft (100 m).

- *1/8 Mile (200 m) ET*

  Displays the time it takes for the vehicle to go an 1/8 mile (200 m).

- *1/8 Mile (200 m) mph*

  Displays the vehicle speed at the time 1/8 mile (200 m) was reached.

- *1000 ft (300 m) ET*

  Displays the time is takes the vehicle to go 1000 feet (300 m).

- *1/4 Mile (400 m) ET*

  Displays the time it takes for the vehicle to go 1/4 mile (400 m).

- *1/4 Mile (400 m) mph*

  Displays the vehicle speed at the time 1/4 mile (400 m) was reached.

- *Brake Distance ft (m)*

  Displays the distance it takes the vehicle to make a complete stop.

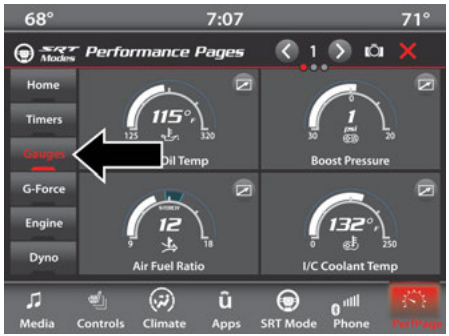
NOTE:
The distance measurement will be aborted if the brake pedal is released or the parking brake is engaged, before the vehicle comes to a complete stop.

- *Brake from mph (km/h)*

  Displays the speed the vehicle is traveling when the brake pedal is pressed.

NOTE:
Brake Distance and Speed timers only display "ready" when the vehicle is traveling at speeds greater than 30 mph (48 km/h).

GAUGES



Performance Pages — Gauges

When selected, this screen displays the following values:

- *Oil Temperature*

  Shows the actual oil temperature.
- *Oil Pressure*

  Shows the actual oil pressure.
- *Coolant Temperature*

  Shows the actual coolant temperature.
- *Battery Voltage*

  Shows actual battery voltage.
- *Trans Oil Temp*

  Shows actual transmission oil temperature.
- *Boost Pressure (if equipped)*

  Shows actual boost pressure.
- *Air Fuel Ratio (if equipped)*

  Shows current air fuel ratio.
- *I/C Coolant Temp (if equipped)*

  Shows actual I/C Coolant temperature.
- *Air Intake Temp*

  Shows actual air intake temperature.

If a gauge is selected, the Gauge Detail View Page will appear on the screen. This page shows gauge values for the previous two minutes on the selected gauge.

Pressing the Left and Right arrows will cycle through the details for each of the gauges. Pressing the minimize button above the graph will return to the gauge menu.

Gauge Detail View Page

G-FORCE

G-Force

When selected, this screen displays all four G-Force values as well as steering angle.

When "G-Force" is selected, the following features will be available:

- *Vehicle Speed:*

  Measures the current speed of the vehicle in either mph or km/h, starting at zero with no maximum value.
- *Front G-Force:*

  Measures the peak braking force on the front of the vehicle.
- *Right G-Force:*

  Measures the peak force on the right side of the vehicle.
- *Left G-Force:*

  Measures the peak force on the left side of the vehicle.
- *Rear G-Force:*

  Measures the peak acceleration force on the rear of the vehicle.

NOTE:
Front, Right, Left, and Rear G-Forces are all peak values. These readings can be reset by clearing peak G-Force on the instrument cluster display.

- *Steering Wheel Angle*

  Steering Wheel Angle utilizes the steering angle sensor to measure the degree of the steering wheel relative to zero. The zero degree measurement indicates a steering wheel in the straight ahead position. When the steering angle value is negative, this indicates a turn to the left, and when the steering angle value is positive, a turn to the right.

The friction circle display shows instantaneous G-Force as a highlight and previous G-Force as dots within the circle. The system records previous G-Force for three minutes. If there are multiple samples at a given point, the color of the dot will darken from blue to red. Vectors more frequent will show in red; infrequent vectors will show in blue.

ENGINE

6.4 L Engine

6.2 L Engine

When selected, this screen displays the following values:

- *Vehicle Speed*

  Shows the actual vehicle speed.
- *Engine Power*

  Shows the instantaneous power.
- *Engine Torque*

  Shows the instantaneous torque.
- *Oil Pressure (non-6.2 L engines)*

  Shows the actual engine oil pressure.
- *Gear*

  Shows the current (or pending) operating gear of the vehicle.
- *Boost Pressure (if equipped)*

  Shows the actual boost pressure.

DYNAMOMETER (DYNO)

Dyno Page

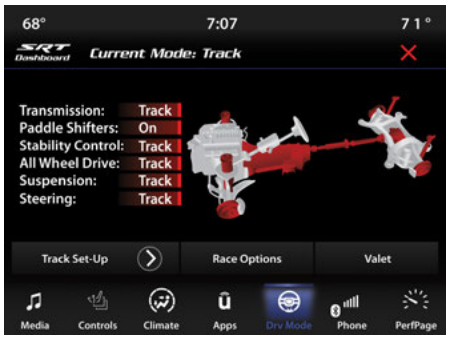
The system will start drawing graphs for Power and Torque (top chart) and Engine Speed (bottom chart). The graph will fill to the right side of the page (based on History time selected). Once the right side of the page is reached, the graph will scroll with the right side always being the most recent recorded sample. Data towards the left edge is older.

The following options can be selected:

- Pressing the STOP button will freeze the graph. Selecting "Play" will clear the graph and restart the process over.
- Press the + or – buttons to change the history of the graph. The selectable options are "30", "60", "90", and "120" seconds. The graph will expand or constrict depending on the setting selected.
- Select the Gear display setting to turn the graph gear markers on or off.

NOTE:
The Gear on/off feature will only display if your vehicle is equipped with an Automatic Transmission.

SRT DRIVE MODES



Drive Modes — Track

Your SRT vehicle is equipped with a Drive Modes feature which allows for coordinating the operation of various vehicle systems, depending upon the type of driving behavior desired. The Drive Modes feature is controlled through the Selec-Track knob and may be accessed by performing any of the following:

- Rotate to select the appropriate Drive Modes button on the Selec-Track knob.

Selec-Track Drive Modes Switch

1 — SPORT
2 — TRACK
3 — AUTO
4 — SNOW
5 — TOW
6 — CUSTOM

The SRT Drive Modes main screen displays the current drive mode and real-time status of the vehicle's performance configuration. The selectable Drive Modes are Track, Sport, Auto, Snow, Tow and Custom. Information shown will indicate the actual status of each system, along with a vehicle graphic that displays the active drive mode status. The color red indicates "Track", orange for "Sport", yellow for "Street", blue for "Snow", and purple for "Tow". These features will reset to AUTO upon an ignition cycle. If the system status shown does not match the current Drive Mode Set-up, a message will be displayed indicating which values are not matching the current mode.

NOTE:
Electronic Stability Control (ESC) Full-Off is only available in Selec-Track TRACK Mode and can be activated by pushing and holding the ESC Off button on the instrument panel switch bank for five seconds.

SRT Dashboard

Your SRT vehicle is equipped with a Dashboard feature which allows access to Performance Pages, Drive Modes, and Race Options. To access the Dashboard screen, push the Drive Mode button on the selec-track switch.

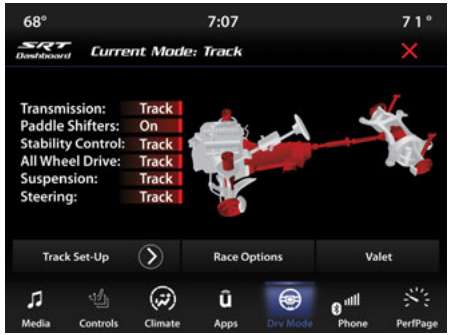
SRT Dashboard

You can also change the settings on the following:

- Set launch RPM
- Activate Launch Control
- Enable/disable shift light
- Enable/disable the Race Cooldown feature (if equipped)

Listed below are the available Drive Modes:

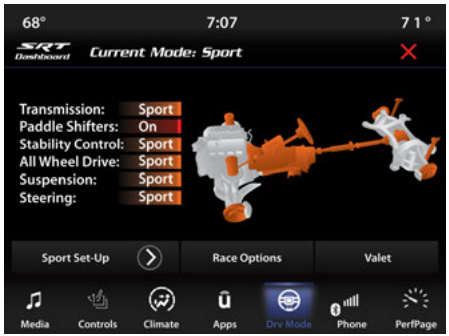
Track Mode



Drive Modes (Track)

Selecting "Track" with the Selec-Track switch will activate the configuration for typical track driving. The Transmission, Stability Control, All-Wheel Drive, Steering, and Suspension systems are all set to their Track settings highlighted in red. The Paddle Shifters are enabled.

Sport Mode



Drive Modes (Sport)

Selecting “Sport” with the Selec-Track switch will activate the configuration for typical enthusiast driving. The Transmission, Stability Control, All-Wheel Drive, Steering, and Suspension systems are all set to their Sport settings highlighted in orange. The Paddle Shifters are enabled.

Tow Mode

Drive Modes (Tow)

Selecting “Tow” with the Selec-Track switch will activate the configuration for towing a trailer or hauling heavy loads in the cargo area. Once in this mode, trailer sway control is enabled in the Electronic Stability Control (ESC) system. The Transmission is set to Tow highlighted in purple. Stability Control is set to Full highlighted in blue. All-Wheel Drive is set to 50/50 highlighted in blue. Steering is set to Street highlighted in yellow. Suspension is set to Sport highlighted in orange. Paddle Shifters are enabled.

Snow Mode

Drive Mode (Snow)

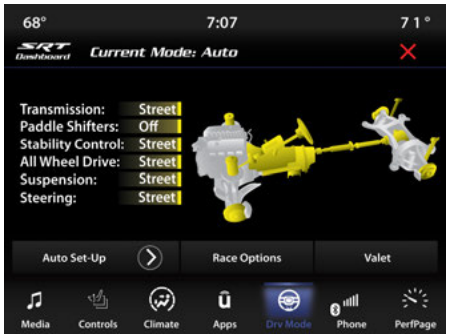
Selecting “Snow” with the Selec-Track switch will activate Snow Mode for use on loose traction surfaces. When in Snow Mode (depending on certain operating conditions), the transmission will use second gear (rather than first gear) during launches, to minimize wheel slippage. The Transmission is set to Snow highlighted in blue. Stability Control is set to Full highlighted in blue.

All-Wheel Drive is set to 50/50 highlighted in blue. Steering is set to Street highlighted in yellow. Suspension is set to Street highlighted in yellow.

Paddle shifters can be enabled or disabled by pressing the Snow Set-Up button on the touchscreen.

Snow Mode Set-Up

Auto Mode

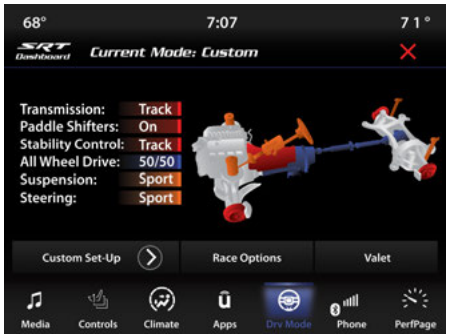


Drive Mode Auto (Default)

Auto Mode is enabled upon ignition ON/RUN, or by selecting Auto with the Selec-Track switch. The Transmission, Stability Control and All-Wheel Drive Modes are set to their Street settings highlighted in yellow. Steering and Suspension can be configured in either the Street, Sport, or Track, and the Paddle Shifters may be enabled or disabled while in Auto Mode Set-Up.

Auto Mode Set-Up

CUSTOM MODE



Drive Mode (Custom)

Custom Mode may be selected by pushing the Custom button on Selec-Track switch. Custom Mode allows you to create a custom configuration that is saved for quick selection of your favorite settings. While in Custom Mode, the All-Wheel Drive, Stability Control, Transmission, Steering, and Suspension settings are shown in their current configuration.

While in the Custom Mode screen, press the Custom Set-Up button on the touchscreen to access the selectable options. Select which mode suits your driving needs for a custom driving experience.

Custom Mode Set-Up

Custom Mode Set-Up Info

Within the Custom Mode Set-Up screen, press the info button on the touchscreen then use the Left/ Right arrow to scroll through all the available Drive Mode systems giving you a description of their operation and current configuration.

All-Wheel Drive

All-Wheel Drive

- *Track*

  Rotate the Selec-Track knob to Track to provide the greatest distribution of torque to the rear wheels (70%).

- *Sport*

  Rotate the Selec-Track knob to Sport to provide greater distribution of torque to the rear wheels (65%).

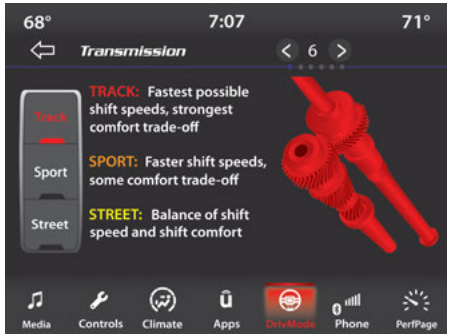
- *Street*

  Rotate the Selec-Track knob to Street to provide moderate distribution of torque to the rear wheels (60%).

- *50/50*

  Press the 50/50 option on the touchscreen to provide even distribution of torque between the front and rear wheels.

Transmission



Eight Speed Transmission

- *Track*

  Rotate the Selec-Track knob to provide the fastest shift speeds with the strongest comfort trade-off.

- *Sport*

  Rotate the Selec-Track knob to Sport to provide faster shift speeds with some comfort trade-off.

- *Street*

  Rotate the Selec-Track knob to Street to provide a balance of shift speed and comfort for typical daily driving.

Paddle Shifters

Paddle Shifters

- *ON*

  Press the ON button on the touchscreen to enable steering wheel paddle shifters.
- *OFF*

  Press the OFF button on the touchscreen to disable steering wheel paddle shifters.

Stability Control

Stability Control

- *Track*

  Press the Track button on the touchscreen to provide minimal stability control.

NOTE:
Traction control is automatically turned off when TRACK Mode stability is selected.

- *Sport*

  Press the Sport button on the touchscreen to provide reduced stability control.
- *Street*

  Press the Street button on the touchscreen to provide full (default) stability control.

Suspension

Suspension

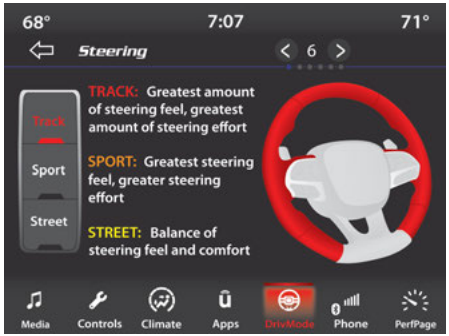
- *Track*

  Press the Track button on the touchscreen to provide the firmest possible suspension stiffness with the highest amount of comfort trade-off.
- *Sport*

  Press the Sport button on the touchscreen to provide a firmer suspension stiffness with moderate comfort trade-off.
- *Street*

  Press the Street button on the touchscreen to provide a balance of suspension stiffness and ride comfort for typical daily driving.

Steering



Steering

- *Track*

  Press the Track button on the touchscreen to adjust the steering effort and feel to the greatest level.

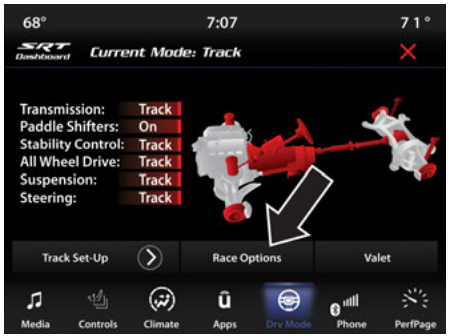
- *Sport*

  Press the Sport button on the touchscreen to adjust the steering effort and feel to a greater level.

- *Street*

  Press the Street button on the touchscreen to balance the steering feel and comfort.

Race Options



Race Options

Press the Race Options button on the touchscreen while in the Drive Modes screen to display the vehicle's Launch Control screen. Within Race Options, you can activate, deactivate, and adjust the RPM values for the Launch Control and Shift Light features ⇨ page 40.

Launch Control

WARNING!

Launch Mode is intended for off-highway or off-road use only and should not be used on any public roadways. It is recommended that this feature be used in a controlled environment, and within the limits of the law. The capabilities of the vehicle as measured by the performance pages must never be exploited in a reckless or dangerous manner, which can jeopardize the user's safety or the safety of others. Only a safe, attentive, and skillful driver can prevent accidents.

This vehicle is equipped with a Launch Control system that is designed to allow the driver to achieve maximum vehicle acceleration in a straight line. Launch Control is a form of traction control that manages tire slip while launching the vehicle. This feature is intended for use during race events on a closed course where consistent quarter-mile and 0-to-60 times are desired. The system is not intended to compensate for lack of driver experience or familiarity with the race track. Use of this feature in low traction (cold, wet, gravel, etc.) conditions may result in excess wheel slip outside this system's control resulting in an aborted launch.

Preconditions:

- Launch Control should not be used on public roads. Always check track conditions and the surrounding area.
- Launch Control is not available within the first 500 miles (805 km) of engine break-in.
- Launch Control should only be used when the engine and transmission are at operating temperature.
- Launch Control is intended to be used on dry, paved road surfaces only.

Launch Control is only available when the following procedure is followed:

Activate Launch Control

1. Press the Race Options button on the touchscreen to set RPM, or push the LAUNCH button on the Selec-Track switch to activate Launch Control.
2. Press the Activate Launch Control button on the touchscreen, follow instructions in the instrument cluster display.
   - Make sure the vehicle is not moving.
   - Put vehicle in FIRST gear or DRIVE.
   - Steering wheel must be centered with tires pointing forward.
   - Vehicle must be on level ground.
   - Apply brake pressure.
   - While holding the brake, rapidly apply and hold the accelerator pedal to wide open throttle. The engine speed will hold at the RPM that was set in the Launch Control screen.

NOTE:
Messages will appear in the instrument cluster display to inform the driver if one or more of the above conditions have not been met.

Example: Brake Pedal Pressure

3. When the above conditions have been met, the instrument cluster display will read “Release Brake”.
4. Keep the vehicle pointed straight and release the brake.

Launch Control will be active until the vehicle reaches 62 mph (100 km/h), at which point the Electronic Stability Control (ESC) system will return to its current ESC mode.

Launch Control will abort before launch completion, and will display “Launch Aborted” in the cluster under any of the following conditions:

- The accelerator pedal is released during launch.
- The ESC system detects that the vehicle is no longer moving in a straight line.
- The ESC OFF button is pressed to change the system to another mode.

NOTE:

The Launch Control RPM setting can only be adjusted while Launch Control is not active. After Launch Control has been aborted, ESC will return to its current ESC mode.

CAUTION!
Do not attempt to shift when the drive wheels are spinning and do not have traction. Damage to the transmission may occur.

Launch RPM Set-Up

To adjust the Launch RPM, drag the slider bar or press the arrows on the touchscreen to adjust the holding RPM. The launch RPM limit is between the minimum and maximum RPM values shown on the gauge, in 100 RPM increments.

Shift Light

Your vehicle is equipped with a Shift Light feature that illuminates the back lighting of the tachometer in red within the instrument cluster display. This feature is a visual cue to manually up-shift using the paddle shifters or by shifting the transmission gear selector.

Shift Light

To actuate the Shift Light feature, press the Shift Light button on the touchscreen, then press the Shift Light On button on the touchscreen. Activation is shown on the instrument cluster display. Pressing the Shift Light RPM Set-Up button on the touchscreen will take you to the Shift Light RPM Set-Up screen.

Once the Shift Light is on, it is only active while the gear shifter is in the Manual or Sport shifter position (M or S position).

NOTE:
Paddle shifters can be used to shift, however using the paddle shifters while the shifter is in DRIVE position will not enable the Shift Light feature.

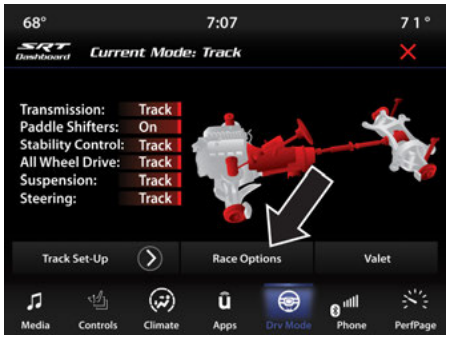
Shift Light RPM Set-Up

The Shift Light RPM Set-Up allows you to set the shift light to illuminate for gears 1, 2, 3, 4, and 5-8. Pressing and releasing the Up/Down arrow buttons above and below each listed gear, the RPM values will change in increments of 250 RPM. The Shift Light Set-Up screen may only be accessed if the feature is enabled. Press the Reset To Factory Default button on the touchscreen to change back to factory settings, or press the Shift Light Off button on the touchscreen to turn the system off completely.

Race Cooldown — If Equipped

Race Cooldown is a selectable After-Run Cooling feature.

Race Cooldown is a feature activated by selecting the Race Cooldown button under Race Options within the Drive Modes pages or from the Dashboard page.



Race Options

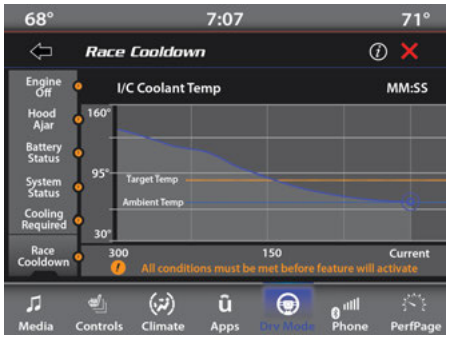
Race Cooldown Dashboard Screen

To enable this feature, the vehicle will check to ensure the engine is off, the hood is closed, the status of the battery and system are acceptable, and determine if cooling is required.

After making a pass down the drag strip, this feature helps cool the car after the engine has been shut down. The radiator fan and low temperature radiator coolant pump remain on after engine shutdown for a period up to 10 minutes or until target temperature is reached.

A graph on the touchscreen can show the resulting intercooler coolant temperature in real time while the vehicle ignition is in ON/RUN position with the engine off.

NOTE:
Race Cooldown feature (After-Run) will only come on when the engine is off. The temperature will also display when the engine is running, but After-Run Cooling will not be functioning.



Race Options

This feature will automatically deactivate after extended driving at road speeds, or when one or more of the following conditions apply:

- If the coolant temperature reaches the target temperature and cooling is no longer required.
- If the battery voltage or state of charge drops below a threshold.
- If the hood is opened.

Guidelines For Track Use

- If your SRT vehicle is equipped with Drive Modes, they will alter the vehicle's performance in various driving situations. It is recommended that your vehicle operates in SPORT or TRACK Mode during the track event.
- Prior to each track event, verify all fluids are at the correct levels.
- Prior to each track event, verify the front and rear brake pads have more than half pad thickness remaining. If the brake pads require changing, complete a brake burnish procedure prior to track outing at full pace.

NOTE:
Use of DOT 4 brake fluid is suggested for extended track usage due to increased thermal capacity.

- At the conclusion of each track event, it is recommended that a brake bleed procedure is performed to maintain the pedal feel and stopping capability of your Brembo High Performance brake system.
- It is recommended that each track outing should end with a minimum of one cooldown lap using minimal braking.
- All SRT vehicles are track tested for 24 hours of endurance, however, it is recommended that the suspension system, brake system, prop shaft, and half shaft boots be checked for wear or damage after every track event.
- Track usage results in increased operating temperatures of the engine, transmission, driveline and brake system. This may affect Noise Vibration Harshness (NVH) countermeasures designed into your vehicle. New components may need to be installed to return the system to the original NVH performance.
- Tire pressure:
  - Recommended tire pressure of 33 psi (230 kPa) when tires are cold, or below 42 psi (290 kPa) when hot.

NOTE:
It is recommended that you target below 42 psi (290 kPa) when tires are hot at the conclusion of each track session. Starting at 33 psi (230 kPa) cold and adjusting based on ambient and track conditions is recommended. Tire pressure can be monitored via the instrument cluster display and can assist with adjustments.

Track burnishing your brakes

To avoid “green lining fade” during track use, the brake pads and rotors must have a thermal burnish for factory-installed components or when new brake friction components are installed:

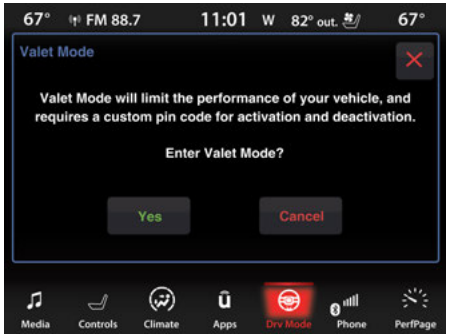
1. Use one track session to burnish brakes by driving at 75% speed. Brake at approximately 0.60 - 0.80g max without Anti-Lock Brake System (ABS) intervention.
2. Complete one lap in this manner until you start smelling the brakes. Continue for another half lap at speed, then complete a two-lap cooldown with minimal brake applications. Ensure the brakes are not smoking. If they are, complete another cooldown lap.
3. Getting the brakes to smoke is an indication that the brakes have overheated and may negatively affect future track usage.
4. Allow vehicle to sit and cool for at least 30 minutes. If an infrared thermal gun is available, allow rotors to cool to 200°F (93.3°C) before returning to the track.
5. There should be a thin layer of ash when inspecting the brake pads. Having the ash layer go more than half the thickness of the pad material is a sign of an overly aggressive burnish.
6. Occasionally, a second burnish session is required. If the brake pads begin to emit an odor during the next track session, reduce vehicle speed and braking deceleration rate to burnish targets and follow steps 2-4.
7. New brake pads installed on old rotors require a burnish. New rotors installed with old brake pads should be burnished at the track or driven for 300 miles (485 km) of city driving to develop an adequate lining transfer layer on the rotor surface prior to track use.
8. Rotors that pulsate during track use should be replaced.

NOTE:

Resurfacing of the rotors is not recommended, as it removes mass from the rotor, reducing its thermal capacity. Resurfacing also thins the rotor cheek, making it less robust and increasing the likelihood of pulsation in further track use.

VALET MODE

To enter Valet Mode, press the Valet button on the touchscreen, and a pop-up screen will ask you if you would like to enter Valet Mode. After selecting "Yes" you will be asked to enter a four-digit PIN. The PIN is not pre-selected, so you are free to select any four-digit numeric combination that will be easy to remember.



Valet Mode Activation

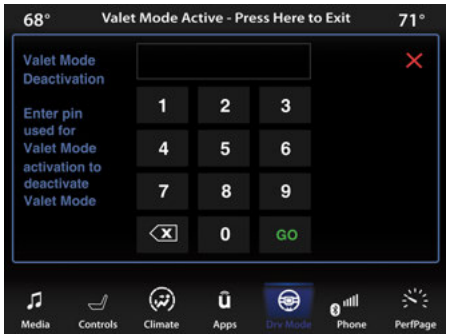
While in Valet Mode the following vehicle configurations are set and locked to prevent unauthorized modification:

- All-Wheel Drive is set to 50/50.
- Transmission up-shifts earlier than normal.
- Stability Control, Steering, and Suspension are set to their STREET settings.
- Steering wheel paddle shifters are disabled.
- The Drive Mode interface is not available. Pushing the SRT button on Selec-Track knob will display the unlock keypad.
- The ESC Off button is disabled.
- The Launch Control button is disabled.
- Engine limited to a lowest power output state.

To exit Valet Mode you must enter the same four-digit PIN that was used to enter the mode. The unlocked keypad can be accessed by either pushing the DRIVE MODES button on Selec-Track switch, or pressing the Valet button on the touchscreen.

Valet Mode Deactivation

The Valet Mode Deactivation key pad will then prompt you for your four-digit PIN, enter your PIN and press the OK or GO button on the touchscreen. Your vehicle will return to the default state.



Valet Mode Deactivation PIN

NOTE:
If your four-digit PIN is lost or forgotten, the vehicle will exit Valet Mode after a battery disconnect for approximately five minutes. Reconnect the battery and cycle the ignition to the ON/RUN position, the vehicle will be in AUTO Mode.

Eco Mode

Push the ECO button on the instrument panel switch bank to enter ECO Mode. ECO Mode modifies the vehicle's engine and transmission settings to provide improved fuel economy at a trade-off with acceleration performance. Increased engine exhaust noise and/or vibration may be noticed while ECO is active. This is normal and a result of the increased amount of operating conditions where the vehicle is allowed to operate in four cylinder shutoff mode.

- ECO is only available in AUTO Mode.
- Changing the Drive Mode will deactivate ECO.
- ECO will be disabled when another Drive Mode is selected or the ECO button is pushed.
- When ECO is activated in AUTO Mode, it will remain in ECO upon activation of AUTO Mode from any other mode including across key cycles. To deactivate, press the ECO button again.

SAFETY FEATURES

ELECTRONIC BRAKE CONTROL (EBC) SYSTEM

Your vehicle is equipped with an advanced Electronic Brake Control (EBC) system. For a complete list of available systems please see your Owner's Manual.

ESC Operating Modes

Depending upon model and mode of operation, the ESC system may have multiple operating modes.

ESC On

This is the normal operating mode for the ESC. Whenever the vehicle is started, the ESC system will be in this mode. This mode should be used for most driving conditions. Alternate ESC modes should only be used for specific reasons as noted in the following paragraphs.

Partial Off

This mode may be useful if the vehicle becomes stuck. This mode may modify Traction Control System (TCS) and ESC thresholds for activation, which allows for more wheel spin than normally allowed.

To enter the "Partial Off" mode, momentarily push the ESC OFF switch and the ESC OFF Indicator Light will illuminate. To turn the ESC on again, momentarily push the ESC OFF switch and the ESC OFF Indicator Light will turn off.

NOTE:
For vehicles with multiple partial ESC modes, the push and release of the button will toggle the ESC modes. Multiple attempts may be required to return to "ESC On".

WARNING!

- When in "Partial Off" mode, the TCS functionality of ESC, except for the limited slip feature described in the TCS section, has been disabled and the ESC OFF Indicator Light will be illuminated. When in "Partial Off" mode, the engine power reduction feature of TCS is disabled, and the enhanced vehicle stability offered by the ESC system is reduced.
- Trailer Sway Control (TSC) is disabled when the ESC system is in the "Partial Off" mode.

Full Off — If Equipped

This mode is intended for off-highway or off-road use only and should not be used on any public roadways. In this mode, TCS and ESC features are turned off. To enter the "Full Off" mode, push and hold the ESC OFF switch for five seconds while the vehicle is stopped with the engine running. After five seconds, a chime will sound, the ESC OFF Indicator Light will illuminate, and the ESC OFF message will display in the instrument cluster. To turn ESC on again, momentarily push the ESC OFF switch.

NOTE:
System may switch from ESC "Full Off" to "Partial Off" mode when vehicle exceeds a predetermined speed. When the vehicle speed slows below the predetermined speed, the system will return to ESC "Full Off".

"Full Off" can only be achieved in Track Mode (if equipped).

ESC modes may also be affected by drive modes (if equipped).

WARNING!

- In the ESC "Full Off" mode, the engine torque reduction and stability features are disabled. Therefore, enhanced vehicle stability offered by the ESC system is unavailable. In an emergency evasive maneuver, the ESC system will not engage to assist in maintaining stability. ESC "Full Off" mode is intended for off-highway or off-road use only.
- The Electronic Stability Control (ESC) cannot prevent the natural laws of physics from acting on the vehicle, nor can it increase the traction afforded by prevailing road conditions. ESC cannot prevent all accidents, including those resulting from excessive speed in turns, driving on very slippery surfaces, or hydroplaning. ESC also cannot prevent collisions.

SAFETY TIPS

PERIODIC SAFETY CHECKS YOU SHOULD MAKE OUTSIDE THE VEHICLE

Fluid Leaks

Check area under the vehicle after overnight parking for fuel, coolant, oil, or other fluid leaks. Also, if gasoline fumes are detected or if fuel or brake fluid leaks are suspected, the cause should be located and corrected immediately.

WARNING!

To prevent SERIOUS INJURY or DEATH when using "Track-Use" parts and equipment:

- NEVER use any "Track-Use" equipment on public roads. FCA US LLC does not authorize the use of "Track-Use" equipment on public roads.
- The intended use of "Track-Use" parts is for race vehicles on race tracks. To help ensure the safety of the race driver, engineers should supervise the installation of "Track-Use" parts.
- FCA US LLC does not authorize the installation or use of any part noted as "Track-Use" on any new vehicle prior to its first retail sale.

WARNING!

To prevent SERIOUS INJURY or DEATH:

- ALWAYS remove any "Track-Use" equipment before driving on public roads.
- ALWAYS properly use your three-point seat belts when driving on public roads.
- In a collision, you and your passengers can suffer much greater injuries if you are not properly buckled up. You can strike the interior of your vehicle or other passengers, or you can be thrown out of the vehicle.

JACKING AND TIRE CHANGING

WARNING!

- Do not attempt to change a tire on the side of the vehicle close to moving traffic. Pull far enough off the road to avoid the danger of being hit when operating the jack or changing the wheel.
- Being under a jacked-up vehicle is dangerous. The vehicle could slip off the jack and fall on you. You could be crushed. Never put any part of your body under a vehicle that is on a jack. If you need to get under a raised vehicle, take it to a service center where it can be raised on a lift.
- Never start or run the engine while the vehicle is on a jack.
- The jack is designed to be used as a tool for changing tires only. The jack should not be used to lift the vehicle for service purposes. The vehicle should be jacked on a firm level surface only. Avoid ice or slippery areas.

Run Flat Tires

SRT models are equipped with “run flat” tires. Run flat tires allow the vehicle to be driven approximately 50 miles (80 km) at 55 mph (88 km/h). Tire service should be obtained to avoid prolonged run flat feature usage.

WARNING!

Do not exceed 50 mph (80 km/h) if the Tire Pressure Monitoring Telltale Light is illuminated. Vehicle handling and braking may be reduced. You could have a collision and be severely or fatally injured.

TOWING A DISABLED VEHICLE — SRT

FCA US LLC requires towing your vehicle with all four wheels **OFF** the ground using a flatbed.

If the key fob is unavailable, or the vehicle's battery is discharged, instructions on shifting the transmission out of PARK for loading onto a flatbed truck.

CAUTION!

- Towing this vehicle using any other method can cause severe transmission and/or transfer case damage.
- Damage from improper towing is not covered under the New Vehicle Limited Warranty.

SERVICING AND MAINTENANCE

SCHEDULED SERVICING

The Scheduled Maintenance services listed in this manual must be done at the times or mileages specified to protect the vehicle warranty and ensure the best vehicle performance and reliability. More frequent maintenance may be needed for vehicles in severe operating conditions, such as dusty areas and very short trip driving. Inspection and service should also be done anytime a malfunction is suspected.

The oil change indicator system will remind you that it is time to take your vehicle in for scheduled maintenance.

The instrument cluster display will display an "Oil Change Required" message and a single chime will sound, indicating that an oil change is necessary.

Based on engine operation conditions, the oil change indicator message will illuminate. This means that service is required for your vehicle. Have your vehicle serviced as soon as possible, within the next 500 miles (805 km).

NOTE:

- The oil change indicator message will not monitor the time since the last oil change. Change your vehicle's oil if it has been six months since your last oil change, even if the oil change indicator message is NOT illuminated.
- Change your engine oil more often if you drive your vehicle off-road for an extended period of time.
- Under no circumstances should oil change intervals exceed 6,000 miles (10,000 km) or six months, whichever comes first.

An authorized dealer will reset the oil change indicator message after completing the scheduled oil change. If a scheduled oil change is performed by someone other than an authorized dealer, the message can be reset by referring to the steps described under instrument cluster display ➪ page 10.

Severe Duty All Models

Vehicles that are operated in a dusty and off-road environment, or predominately at idle or very low engine RPM are known as Severe Duty vehicles. It is recommended that you change engine oil at 4,000 miles (6,500 km) or 350 hours of engine run time.

At Each Stop For Fuel

- Check the engine oil level.
- Check the windshield washer solvent and add if required.

Once A Month

- Check tire pressure and look for unusual wear or damage.
- Inspect the battery, and clean and tighten the terminals as required.
- Check the fluid levels of the coolant reservoir, engine oil, brake master cylinder, and add as needed.
- Check all lights and other electrical items for correct operation.

At Each Oil Change

- Change the engine oil filter.
- Inspect the brake hoses and lines.
- Inspect the CV/Universal joints.

CAUTION!
Failure to perform the required maintenance items may result in damage to the vehicle.

MAINTENANCE PLAN

Miles:	6,000	12,000	18,000	24,000	30,000	36,000	42,000	48,000	54,000	60,000	66,000	72,000	78,000	84,000	90,000	96,000	102,000	108,000	114,000	120,000	126,000	132,000	138,000	144,000	150,000
Or Months:	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	144	150
Or Kilometers:	10,000	20,000	30,000	40,000	50,000	60,000	70,000	80,000	90,000	100,000	110,000	120,000	130,000	140,000	150,000	160,000	170,000	180,000	190,000	200,000	210,000	220,000	230,000	240,000	250,000
Change the engine oil and engine oil filter.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Rotate the tires, rotate at the first sign of irregular wear, even if it occurs before scheduled maintenance.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
If using your vehicle for any of the following: dusty or off-road conditions. Inspect the engine air cleaner filter; replace if necessary.		X		X		X		X		X		X		X		X		X		X		X		X	
Inspect the brake linings; replace if necessary.		X		X		X		X		X		X		X		X		X		X		X		X	

Miles:	6,000	12,000	18,000	24,000	30,000	36,000	42,000	48,000	54,000	60,000	66,000	72,000	78,000	84,000	90,000	96,000	102,000	108,000	114,000	120,000	126,000	132,000	138,000	144,000	150,000
Or Months:	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	144	150
Or Kilometers:	10,000	20,000	30,000	40,000	50,000	60,000	70,000	80,000	90,000	100,000	110,000	120,000	130,000	140,000	150,000	160,000	170,000	180,000	190,000	200,000	210,000	220,000	230,000	240,000	250,000
Inspect the CV/ Universal joints.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Inspect the exhaust system.		X		X		X		X		X		X		X		X		X		X		X		X	
Adjust the parking brake on vehicles equipped with four wheel disc brakes.					X					X					X					X					X
Drain the transfer case and refill.					X					X					X					X					X
Inspect the accessory drive belts replace if necessary.										X										X					

8

Miles:	6,000	12,000	18,000	24,000	30,000	36,000	42,000	48,000	54,000	60,000	66,000	72,000	78,000	84,000	90,000	96,000	102,000	108,000	114,000	120,000	126,000	132,000	138,000	144,000	150,000
Or Months:	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	144	150
Or Kilometers:	10,000	20,000	30,000	40,000	50,000	60,000	70,000	80,000	90,000	100,000	110,000	120,000	130,000	140,000	150,000	160,000	170,000	180,000	190,000	200,000	210,000	220,000	230,000	240,000	250,000
Inspect the front and rear axle fluid. Change if using your vehicle for any of the following: police, taxi, fleet, sustained high speed driving, off-road or frequent trailer towing.				X				X				X				X				X				X	
Inspect front suspension, tie rod ends, and boot seals, for cracks or leaks and all parts for damage, wear, improper looseness or end play; replace if necessary.		X		X		X		X		X		X		X		X		X		X		X		X	
Replace the engine air cleaner filter.					X					X					X					X						X

Miles:	6,000	12,000	18,000	24,000	30,000	36,000	42,000	48,000	54,000	60,000	66,000	72,000	78,000	84,000	90,000	96,000	102,000	108,000	114,000	120,000	126,000	132,000	138,000	144,000	150,000
Or Months:	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	144	150
Or Kilometers:	10,000	20,000	30,000	40,000	50,000	60,000	70,000	80,000	90,000	100,000	110,000	120,000	130,000	140,000	150,000	160,000	170,000	180,000	190,000	200,000	210,000	220,000	230,000	240,000	250,000
Replace the air conditioning filter.				X				X				X				X				X				X	
Inspect and replace the PCV Valve if necessary.															X										
Replace the spark plugs – 6.2L Supercharged Engine. [1]										X										X					

8

Miles:	6,000	12,000	18,000	24,000	30,000	36,000	42,000	48,000	54,000	60,000	66,000	72,000	78,000	84,000	90,000	96,000	102,000	108,000	114,000	120,000	126,000	132,000	138,000	144,000	150,000
Or Months:	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	144	150
Or Kilometers:	10,000	20,000	30,000	40,000	50,000	60,000	70,000	80,000	90,000	100,000	110,000	120,000	130,000	140,000	150,000	160,000	170,000	180,000	190,000	200,000	210,000	220,000	230,000	240,000	250,000
Replace the spark plugs – 6.4L Engine. [2]																X									
Flush and replace the engine coolant at 120 months if not done at 150,000 miles (240,000 km).																				X					X

1. The spark plug change interval is mileage based only, monthly intervals do not apply.
2. The spark plug change interval is mileage based only, monthly intervals do not apply.

WARNING!

- You can be badly injured working on or around a motor vehicle. Do only service work for which you have the knowledge and the right equipment. If you have any doubt about your ability to perform a service job, take your vehicle to a competent mechanic.
- Failure to properly inspect and maintain your vehicle could result in a component malfunction and effect vehicle handling and performance. This could cause an accident.

ENGINE COMPARTMENT

6.2L SUPERCHARGED ENGINE

1 — Remote Jump Start Positive Terminal
2 — Power Distribution Center (Fuses)
3 — Intercooler Coolant Reservoir Cap
4 — Engine Oil Fill
5 — Brake Fluid Reservoir Cap
6 — Engine Air Cleaner Filter
7 — Washer Fluid Reservoir Cap
8 — Engine Oil Dipstick
9 — Engine Coolant Pressure Cap
10 — Engine Coolant Reservoir Cap

6.4L ENGINE

1 — Remote Jump Start Positive Terminal
2 — Power Distribution Center (Fuses)
3 — Engine Oil Fill
4 — Engine Air Cleaner Filter
5 — Brake Fluid Reservoir Cap
6 — Washer Fluid Reservoir Cap
7 — Engine Oil Dipstick
8 — Engine Coolant Pressure Cap
9 — Engine Coolant Reservoir Cap
10 — Remote Jump Start Negative Terminal

VEHICLE MAINTENANCE

An authorized dealer has the qualified service personnel, special tools, and equipment to perform all service operations in an expert manner. Service Manuals are available which include detailed service information for your vehicle. Refer to these Service Manuals before attempting any procedure yourself.

NOTE:
Intentional tampering with emissions control systems may void your warranty and could result in civil penalties being assessed against you.

WARNING!
You can be badly injured working on or around a motor vehicle. Only do service work for which you have the knowledge and the proper equipment. If you have any doubt about your ability to perform a service job, take your vehicle to a competent mechanic.

ENGINE OIL

Engine Oil Selection

For best performance and maximum protection under all types of operating conditions, the manufacturer recommends engine oils that meet the requirements of FCA Material Standard. For the proper engine oil selection ➪ page 67.

NOTE:
Hemi engines (6.2L/6.4L) at times can tick right after startup and then quiet down after approximately 30 seconds. This is normal and will not harm the engine. This characteristic can be caused by short drive cycles. For example, if the vehicle is started then shut off after driving a short distance. Upon restarting, you may experience a ticking sound. Other causes could be if the vehicle is unused for an extended period of time, incorrect oil, extended oil changes or extended idling. If the engine continues to tick or if the Malfunction Indicator Light (MIL) comes on, see the nearest authorized dealer.

CAUTION!
Do not use chemical flushes in your engine oil as the chemicals can damage your engine. Such damage is not covered by the New Vehicle Limited Warranty.

American Petroleum Institute (API) Engine Oil Identification Symbol

This symbol means that the oil has been certified by the American Petroleum Institute (API). FCA only recommends API Certified engine oils.

This symbol certifies 0W-20, 5W-20, 0W-30, 5W-30 and 10W-30 engine oils.

CAUTION!
Do not use chemical flushes in your engine oil as the chemicals can damage your engine. Such damage is not covered by the New Vehicle Limited Warranty.

Synthetic Engine Oils

You may use synthetic engine oils provided the recommended oil quality requirements are met, and the recommended maintenance intervals for oil and filter changes are followed.

Synthetic engine oils which do not have both the engine oil certification mark and the correct SAE viscosity grade number should not be used.

Materials Added To Engine Oil

FCA strongly recommends against the addition of any additives (other than leak detection dyes) to the engine oil. Engine oil is an engineered product and its performance may be impaired by supplemental additives.

Disposing Of Used Engine Oil And Oil Filters

Care should be taken in disposing of used engine oil and oil filters from your vehicle. Used oil and oil filters, indiscriminately discarded, can present a problem to the environment. Contact an authorized dealer, service station or governmental agency for advice on how and where used oil and oil filters can be safely discarded in your area.

ENGINE AIR CLEANER FILTER

For the proper maintenance intervals ⇨ page 50.

WARNING!

The air induction system (air cleaner, hoses, etc.) can provide a measure of protection in the case of engine backfire. Do not remove the air induction system (air cleaner, hoses, etc.) unless such removal is necessary for repair or maintenance. Make sure that no one is near the engine compartment before starting the vehicle with the air induction system (air cleaner, hoses, etc.) removed. Failure to do so can result in serious personal injury.

Engine Air Cleaner Filter Selection

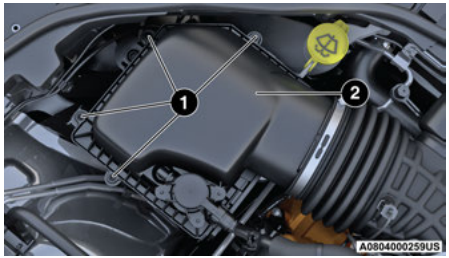
The quality of replacement filters varies considerably. Only high quality Mopar certified filters should be used.

Engine Air Cleaner Filter Inspection and Replacement—6.2L Supercharged Engine

Inspect engine air cleaner filter for dirt and or debris, if you find evidence of either dirt or debris, you should change your engine air cleaner filter.

Engine Air Cleaner Filter Removal

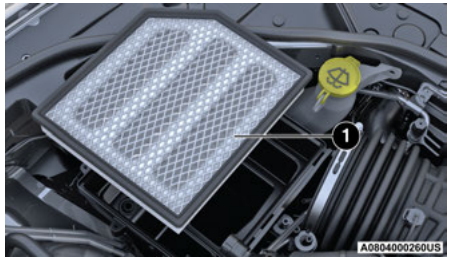
1. Loosen the fasteners on the engine air cleaner cover filter.
2. Lift the engine air cleaner filter cover to access the engine air cleaner filter.



Engine Air Cleaner Filter Assembly

1 — Fasteners
2 — Engine Air Cleaner Filter Cover

3. Remove the engine air cleaner filter from the housing assembly.



Engine Air Cleaner Filter Removal

1 — Engine Air Cleaner Filter

Engine Air Cleaner Filter Installation

NOTE:
Inspect and clean the housing if dirt or debris is present before replacing the engine air cleaner filter.

1. Install the engine air cleaner filter into the housing assembly with the engine air cleaner filter inspection surface facing downward.
2. Install the engine air cleaner filter cover onto the housing assembly locating tabs.
3. Tighten the fasteners to lock the engine air cleaner filter cover to the housing assembly.

COOLING SYSTEM

WARNING!

- You or others can be badly burned by hot engine coolant (antifreeze) or steam from your radiator. If you see or hear steam coming from under the hood, do not open the hood until the radiator has had time to cool. Never open a cooling system pressure cap when the radiator or coolant bottle is hot.
- Keep hands, tools, clothing, and jewelry away from the radiator cooling fan when the hood is raised. The fan starts automatically and may start at any time, whether the engine is running or not.
- When working near the radiator cooling fan, disconnect the fan motor lead or turn the ignition to the OFF mode. The fan is temperature controlled and can start at any time the ignition is in the ON mode.

Engine Coolant Checks

Check the engine coolant (antifreeze) protection every 12 months (before the onset of freezing weather, where applicable). If the engine coolant is dirty, the system should be drained, flushed, and refilled with fresh Organic Additive Technology (OAT) coolant (conforming to MS.90032) by an authorized dealer. Check the front of the A/C condenser for any accumulation of bugs, leaves, etc. If dirty, clean by gently spraying water from a garden hose vertically down the face of the condenser.

Check the engine cooling system hoses for brittle rubber, cracking, tears, cuts, and tightness of the connection at the coolant recovery bottle and radiator. Inspect the entire system for leaks. DO NOT REMOVE THE COOLANT PRESSURE CAP WHEN THE COOLING SYSTEM IS HOT.

Cooling System — Drain, Flush And Refill

NOTE:

Some vehicles require special tools to add coolant properly. Failure to fill these systems properly could lead to severe internal engine damage. If any coolant is needed to be added to the system, please contact an authorized dealer.

If the engine coolant (antifreeze) is dirty or contains visible sediment, have an authorized dealer clean and flush with Organic Additive Technology (OAT) coolant (conforming to MS.90032).

NOTE:

If equipped with the 6.2L Supercharged engine, the intercooler must be vacuum flushed and filled. If any coolant is needed to be added to the system, please contact an local authorized dealer.

For the proper maintenance intervals ➪ page 50.

Selection Of Coolant

For further information ⇨ page 67.

NOTE:

- Mixing of engine coolant (antifreeze) other than specified Organic Additive Technology (OAT) engine coolant, may result in engine damage and may decrease corrosion protection. OAT engine coolant is different and should not be mixed with Hybrid Organic Additive Technology (HOAT) engine coolant or any "globally compatible" coolant. If a non-OAT engine coolant is introduced into the cooling system in an emergency, the cooling system will need to be drained, flushed, and refilled with fresh OAT coolant (conforming to MS.90032), by an authorized dealer as soon as possible.
- Do not use water alone or alcohol-based engine coolant products. Do not use additional rust inhibitors or antirust products, as they may not be compatible with the radiator engine coolant and may plug the radiator.
- This vehicle has not been designed for use with propylene glycol-based engine coolant. Use of propylene glycol-based engine coolant is not recommended.
- Some vehicles require special tools to add coolant properly. Failure to fill these systems properly could lead to severe internal engine damage. If any coolant is needed to be added to the system please contact an authorized dealer.

Adding Coolant

Your vehicle has been built with an improved engine coolant (OAT coolant conforming to MS.90032) that allows extended maintenance intervals. This engine coolant (antifreeze) can be used up to 10 years or 150,000 miles (240,000 km) before replacement. To prevent reducing this extended maintenance period, it is important that you use the same engine coolant (OAT coolant conforming to MS.90032) throughout the life of your vehicle.

Please review these recommendations for using Organic Additive Technology (OAT) engine coolant that meets the requirements of FCA Material Standard MS.90032. When adding engine coolant:

- We recommend using Mopar Antifreeze/ Coolant 10 Year/150,000 Mile (240,000 km) Formula OAT that meets the requirements of FCA Material Standard MS.90032.
- Mix a minimum solution of 50% OAT engine coolant that meets the requirements of FCA Material Standard MS.90032 and distilled water. Use higher concentrations (not to exceed 70%) if temperatures below −34 °F (−37 °C) are anticipated. Please contact an authorized dealer for assistance.
- Use only high purity water such as distilled or deionized water when mixing the water/engine coolant solution. The use of lower quality water will reduce the amount of corrosion protection in the engine cooling system.

NOTE:

- It is the owner's responsibility to maintain the proper level of protection against freezing according to the temperatures occurring in the area where the vehicle is operated.
- Some vehicles require special tools to add coolant properly. Failure to fill these systems properly could lead to severe internal engine damage. If any coolant is needed to be added to the system, please contact a local authorized dealer.
- Mixing engine coolant types is not recommended and can result in cooling system damage. If HOAT and OAT coolant are mixed in an emergency, have an authorized dealer drain, flush, and refill with OAT coolant (conforming to MS.90032) as soon as possible.

Cooling System Pressure Cap

The cap must be fully tightened to prevent loss of engine coolant (antifreeze), and to ensure that engine coolant will return to the radiator from the coolant expansion bottle/recovery tank (if equipped).

The cap should be inspected and cleaned if there is any accumulation of foreign material on the sealing surfaces.

WARNING!

- Do not open hot engine cooling system. Never add engine coolant (antifreeze) when the engine is overheated. Do not loosen or remove the cap to cool an overheated engine. Heat causes pressure to build up in the cooling system. To prevent scalding or injury, do not remove the pressure cap while the system is hot or under pressure.
- Do not use a pressure cap other than the one specified for your vehicle. Personal injury or engine damage may result.

Disposal Of Used Coolant

Used ethylene glycol-based coolant (antifreeze) is a regulated substance requiring proper disposal. Check with your local authorities to determine the disposal rules for your community. To prevent ingestion by animals or children, do not store ethylene glycol-based coolant in open containers or allow it to remain in puddles on the ground, clean up any ground spills immediately. If ingested by a child or pet, seek emergency assistance immediately.

Coolant Level

The coolant bottle provides a quick visual method for determining that the coolant level is adequate. With the engine off and cold, the level of the engine coolant (antifreeze) in the bottle should be between the ranges indicated on the bottle.

The radiator normally remains completely full, so there is no need to remove the radiator/coolant pressure cap unless checking for engine coolant freeze point or replacing coolant. Advise your service attendant of this. As long as the engine operating temperature is satisfactory, the coolant bottle need only be checked once a month.

When additional engine coolant is needed to maintain the proper level, only OAT coolant that meets the requirements of FCA Material Standard MS.90032 should be added to the coolant bottle. Do not overfill.

Cooling System Notes

NOTE:

When the vehicle is stopped after a few miles/kilometers of operation, you may observe vapor coming from the front of the engine compartment. This is normally a result of moisture from rain, snow, or high humidity accumulating on the radiator and being vaporized when the thermostat opens, allowing hot engine coolant (antifreeze) to enter the radiator.

If an examination of your engine compartment shows no evidence of radiator or hose leaks, the vehicle may be safely driven. The vapor will soon dissipate.

- Do not overfill the coolant expansion bottle.
- Check the coolant freeze point in the radiator and in the coolant expansion bottle. If engine coolant needs to be added, the contents of the coolant expansion bottle must also be protected against freezing.
- If frequent engine coolant additions are required, the cooling system should be pressure tested for leaks.
- Maintain engine coolant concentration at a minimum of 50% OAT coolant (conforming to MS.90032) and distilled water for proper corrosion protection of your engine which contains aluminum components.
- Make sure that the coolant expansion bottle overflow hoses are not kinked or obstructed.
- Keep the front of the radiator clean. If your vehicle is equipped with air conditioning, keep the front of the condenser clean.
- Do not change the thermostat for Summer or Winter operation. If replacement is ever necessary, install ONLY the correct type thermostat. Other designs may result in unsatisfactory engine cooling performance, poor gas mileage, and increased emissions.

TIRES

SNOW TRACTION DEVICES

Use of traction devices require sufficient tire-to-body clearance. Due to limited clearance, the following snow traction devices are recommended. Follow these recommendations to guard against damage:

- Snow traction device must be of proper size for the tire, as recommended by the snow traction device manufacturer.
- No other tire sizes are recommended for use with the snow traction device.
- Please follow the table below for the recommended tire size, axle and snow traction device:

4x4 Trim Level	Axle	Tire/Wheel Size	Snow Traction Device (maximum projection beyond tire profile or equivalent)
SRT TRACKHAWK	Rear	295/45R20	RUD-GRIP 4x4 or Equivalent

WARNING!
Using tires of different size and type (M+S, Snow) between front and rear axles can cause unpredictable handling. You could lose control and have a collision.

CAUTION!

To avoid damage to your vehicle or tires, observe the following precautions:

- Because of restricted traction device clearance between tires and other suspension components, it is important that only traction devices in good condition are used. Broken devices can cause serious damage. Stop the vehicle immediately if noise occurs that could indicate device breakage. Remove the damaged parts of the device before further use.
- Install device as tightly as possible and then retighten after driving about ½ mile (0.8 km). Autosock traction devices do not require retightening.
- Do not exceed 30 mph (48 km/h).
- Drive cautiously and avoid severe turns and large bumps, especially with a loaded vehicle.

(Continued)

CAUTION!

- Do not drive for a prolonged period on dry pavement.
- Observe the traction device manufacturer's instructions on the method of installation, operating speed, and conditions for use. Always use the suggested operating speed of the device manufacturer if it is less than 30 mph (48 km/h).
- Do not use traction devices on a compact spare tire.

STORING THE VEHICLE

If you are storing your vehicle for more than three weeks, we recommend that you take the following steps to minimize the drain on your vehicle's battery:

- Disconnect the negative cable from battery.
- Any time you store your vehicle or keep it out of service (i.e., vacation) for two weeks or more, run the air conditioning system at idle for about five minutes in the fresh air and high blower setting. This will ensure adequate system lubrication to minimize the possibility of compressor damage when the system is started again.

BATTERY STORAGE MODE

With the ignition in the ON position, engine not running, navigate to the battery gauge page on the instrument cluster display, then press and hold the OK button. The vehicle will be put into battery storage mode, which will greatly increase the amount of time the vehicle can sit and restart without needing to disconnect the battery. Going into battery storage mode will increase the amount of time between starts to about 60 days for vehicles with a healthy battery and no additional electrical loads added to the vehicle.

NOTE:
The key fob buttons will not work while the vehicle is in battery storage mode, pulling the door handle will wake the vehicle and allow it to recognize the key fob to unlock the door.

WHEEL AND TIRE TORQUE SPECIFICATIONS

Proper lug nut/bolt torque is very important to ensure that the wheel is properly mounted to the vehicle. Any time a wheel has been removed and reinstalled on the vehicle, the lug nuts/bolts should be torqued using a properly calibrated torque wrench using a six sided (hex) deep wall socket.

TORQUE SPECIFICATIONS

Lug Nut/Bolt Torque	**Lug Nut/ Bolt Size	Lug Nut/Bolt Socket Size
110 Ft-Lbs (149 N·m)	M14 x 1.50	22 mm

**Use only authorized dealer recommended lug nuts/bolts and clean or remove any dirt or oil before tightening.

Inspect the wheel mounting surface prior to mounting the tire and remove any corrosion or loose particles.

Tighten the lug nuts/bolts in a star pattern until each nut/bolt has been tightened twice. Ensure that the socket is fully engaged on the lug nut/bolt (do not insert it half way).

NOTE:
If in doubt about the correct tightness, have them checked with a torque wrench by an authorized dealer or service station.

After 25 miles (40 km), check the lug nut/bolt torque to be sure that all the lug nuts/bolts are properly tightened.

WARNING!
To avoid the risk of forcing the vehicle off the jack, do not tighten the lug nuts/bolts fully until the vehicle has been lowered. Failure to follow this warning may result in personal injury.

FUEL REQUIREMENTS

While operating on gasoline with the required octane number, hearing a light knocking sound from the engine is not a cause for concern. However, if the engine is heard making a heavy knocking sound, see a dealer immediately. Use of gasoline with a lower than recommended octane number can cause engine failure and may void the New Vehicle Limited Warranty.

Poor quality gasoline can cause problems such as hard starting, stalling, and hesitations. If you experience these symptoms, try another brand of gasoline before considering service for the vehicle.

6.2L SUPERCHARGED AND 6.4L ENGINE

Do not use E-85 flex fuel or ethanol blends greater than 15% in this engine. The use of octane boosting additives is NOT permitted for use in the 6.2L Supercharged engine.

These engines are designed to meet all emissions regulations, provide optimal fuel economy and performance when using high-quality unleaded “Premium” gasoline having a posted octane number of 91 as specified by the (R+M)/2 method. The use of 91 or higher octane “Premium” gasoline is required in these engines.

FLUID CAPACITIES

	US	Metric
Fuel (Approximate)	24.6 Gallons	93.1 Liters
Engine Oil With Filter		
6.2L Engine	8.3 Quarts	7.8 Liters
6.4L Engine	7 Quarts	6.6 Liters
Cooling System*		
6.2L Engine	14.7 Quarts	13.9 Liters
6.2L Engine Intercooler	4.0 Quarts	3.9 Liters
6.4L Engine	16 Quarts	15.5 Liters
* Includes heater and coolant recovery bottle filled to MAX level.		

ENGINE FLUIDS AND LUBRICANTS

Component	Fluid, Lubricant or Genuine Part
Engine/Intercooler Coolant	We recommend you use Mopar Antifreeze/Coolant 10 Year/150,000 Mile (240,000 km) Formula OAT (Organic Additive Technology) that meets the requirements of FCA Material Standard MS.90032.
Engine Oil	For best performance and maximum protection under all types of operating conditions, FCA only recommends full synthetic engine oils that meet the American Petroleum Institute (API) categories of SN. FCA recommends the use of Pennzoil Ultra 0W-40 or equivalent Mopar engine oil meeting the requirements of FCA Material Standard MS-12633 for use in all operating temperatures.
Engine Oil Filter	We recommend you use Mopar Engine Oil Filters.
Fuel Selection	Premium Unleaded 91 Octane Only or Higher (R+M)/2 Method, 0-15% Ethanol (Do Not Use E-85).

CHASSIS FLUIDS AND LUBRICANTS

Component	Fluid, Lubricant, or Genuine Part
Automatic Transmission	Use only Mopar ZF 8&9 Speed ATF Automatic Transmission Fluid or equivalent. Failure to use the correct fluid may affect the function or performance of your transmission.
Transfer Case – Single-Speed (Selec-Track)	We recommend you use Mopar ATF+4 Automatic Transmission Fluid.
Axle Differential (Front)	We recommend you use Mopar GL-5 Synthetic Axle Lubricant SAE 75W-85.
Axle Differential (Rear) – With Electronic Limited-Slip Differential (ELSD)	We recommend you use Mopar GL-5 Synthetic Axle Lubricant SAE 75W-85 with integrated friction modifier.
Brake Master Cylinder	We recommend you use Mopar DOT 3 Brake Fluid, SAE J1703 should be used. If DOT 3, SAE J1703 brake fluid is not available, then DOT 4 is acceptable. If using DOT 4 brake fluid, the fluid must be changed every 24 months. This interval is time based only, mileage intervals do not apply.

GENERAL INFORMATION

The following regulatory statement applies to all Radio Frequency (RF) devices equipped in this vehicle:

This device complies with Part 15 of the FCC Rules and with Innovation, Science and Economic Development Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d`Innovation, Science and Economic Development applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. l'appareil ne doit pas produire de brouillage, et
2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

La operación de este equipo está sujeta a las siguientes dos condiciones:

1. es posible que este equipo o dispositivo no cause interferencia perjudicial y
2. este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

NOTE:
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

INDEX

Jeep

Whether it's providing information about specific product features, taking a tour through your vehicle's heritage, knowing what steps to take following an accident or scheduling your next appointment, we know you'll find the app an important extension of your Jeep® brand vehicle.

Simply download the app, select your make and model and enjoy the ride. To get this app, go directly to the App Store® or Google Play® Store and enter the search keyword "JEEP" (U.S. residents only).

P68521347AA | Second Edition

U. S.

mopar.com/om

DOWNLOAD A FREE ELECTRONIC COPY OF THE MOST UP-TO-DATE OWNER'S MANUAL, UCONNECT AND WARRANTY BOOKLETS

Canada

owners.mopar.ca