DRIVE MODE SUPPLEMENT

DRIVE MODE SUPPLEMENT

DODGE DRIVE MODES

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UNDERSTANDING YOUR INSTRUMENT PANEL

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Performance Pages — If Equipped

Performance Pages is an application that provides a display for performance indicators, as received from the Instrument Cluster, that will help you gain familiarity with the capabilities of your vehicle in real-time.

To access the Performance Pages, press the "Apps" button on the touchscreen then press the "Performance Pages" button on the touchscreen. Press the desired button on the touchscreen to access that specific Performance Page.

WARNING!

Measurement of vehicle statistics with the 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

(Continued)

WARNING! *(Continued)*

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
- Digital Gauge 1
- Digital Gauge 2
- G-Force
- Engine Values

The following describes each feature and its operation:

Home

Challenger Performance Pages — Home

Charger Performance Pages — Home

When Home is selected, the following options will be available:

- A series of six images which can be selected by the user.
- A left and right arrow to allow the user to scroll through vehicle images.
- A short-cut to the Performance Control feature.

Timers

Performance Pages — Timers

When the Timers Page is selected you will be able to select from following "Tickets":

- *Current*

Pressing the "Current" button displays a "real time" summary of performance timers.

- *Last*

Pressing the "Last" button displays the last recorded run of performance timers.

- *Best*

Pressing the "Best" button displays the best recorded run of performance timers, except for braking data.

- *Save*

Pressing the "Save" button will let you save the last run. Any saved run over 10, will overwrite the last saved run for Uconnect® System storage. The operation of the Save feature is listed below:

Performance Pages — Save

With a USB jump drive installed, press the "USB" button to save to the jump drive.

With an SD Card installed, press the "SD Card" to save runs to the SD Card.

Press the "Uconnect" button to save the runs to the Owner web page.

Press the "Cancel" button to view the last timer "Ticket."

The "Tickets" contain the timers listed below:

- ***Reaction Time***

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

NOTE: The Reaction Time, MPH, 1/8, and 1/4 Mile timers will be "ready" 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).

- ***1/8 Mile (200 meter)***

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

- ***1/4 mile (400 meter)***

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

- ***Brake Distance***

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

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

- *Brake Speed*

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

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

Gauges 1

Performance Pages — Gauges 1

When selected, this screen displays the following values:

- *Coolant Temperature*

Shows the actual coolant temperature.

- *Oil Pressure*

Shows the actual oil pressure.

- *Oil Temperature*

Shows the actual oil temperature.

Gauges 2

Performance Pages — Gauges 2 (Automatic Transmission)

Performance Pages — Gauges 2 (Challenger Manual Transmission)

When selected, this screen displays the following values:

- *Battery Voltage*

Shows the actual battery voltage.

- *Intake Air Temperature*

Shows the actual intake air temperature.

- *Transmission Temperature (Automatic Transmission Only)*

Shows the actual transmission temperature.

G-Force

Challenger Performance Pages — G-Force

Charger Performance Pages — G-Force

When selected, this screen displays all four G-Force values (two lateral and two longitudinal) as well as steering angle.

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

- ***Lateral G-Force Left and Right***

The lateral g-force measures the (sideways) left and right force of the vehicle.

- ***Longitudinal G-Force Fore and Aft***

The longitudinal g-force measures the acceleration and braking force of the vehicle.

- ***Peak G-Forces Fore Aft, Left and Right***

This shows the maximum g-forces that have been achieved since the last reset from the DID. Peak values are maintained through ignition cycles by the DID until they are cleared by the driver.

- ***Vehicle Speed***

Vehicle Speed measures the current speed of the vehicle in either mph or km/h, starting at 0 with no maximum value.

- ***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 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.

Engine

Performance Pages — Engine

When selected, this screen displays the following values:

- ***Vehicle Speed***

Shows the actual vehicle speed.

- ***Instantaneous Horsepower/Kilowatts***

Shows the instantaneous horsepower.

- ***Instantaneous Torque***

Shows the instantaneous torque.

- ***Oil Pressure***

Shows the actual oil pressure.

- ***Gear — (Automatic Transmission Only)***

Shows the current (or pending) operating gear of the vehicle.

Performance Control — If Equipped

Your vehicle is equipped with a Performance Control feature which allows for coordinating the operation of various vehicle systems depending upon the type of driving behavior desired. The Performance Control feature is controlled through the Uconnect® radio and may be accessed by performing any of the following:

- Pushing the Super Track Pack button on the instrument panel switch bank.
- Selecting "Performance Control" from the "Apps" menu.
- Selecting "Performance Control" from within the Performance Pages menu.

You will be able to enable, disable, and customize the functionality of the Launch Control and Drive Mode Set-Up features within Performance Control.

Descriptions of these features are provided below. To access information about the functionality of these features through the Uconnect® system, press the "Info" button on the touchscreen.

Launch Mode

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.

Launch Mode

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 systems control resulting in an aborted launch.

NOTE:

- Launch control should not be used on public roads. Always check track conditions and the surrounding area.
- Launch Control is not available for the first 500 miles of the vehicle's life.
- 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. Use on slippery or loose surfaces may cause damage to vehicle components and is not recommended.

Automatic Transmission — If Equipped

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

1. Press the "Apps" button on the touchscreen, select "Performance Control", and press the "Launch Control" button on the touchscreen or push the Super Track Pak button on the integrated center stack switch bank.
2. If desired, press the "Launch RPM Set-Up" button on the touchscreen. This screen will allow you to adjust your launch RPM for optimum launch/traction. To adjust the Launch RPM, press and drag the slider bar, or press the arrows on the touchscreen, to adjust the holding RPM. Press the back arrow button on the touchscreen when finished. The setting will be saved.

NOTE: The default for launch control is 1500 RPM. Optimal launch RPM will depend on the engine and tires on the vehicle, as well as the road and weather conditions. Not all RPM settings will be usable in all configurations and scenarios. If requested launch RPM is not attainable in a given scenario, the engine will provide the maximum amount of torque possible to get as close as possible to the requested RPM.

3. Press the "Activate Launch Mode" button on the touchscreen.
4. Ensure the vehicle is not moving and the steering wheel is pointing straight.
5. Hold the brake pedal and verify the vehicle is in "Drive."

6. While holding the brake, rapidly apply 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.

NOTE: Messages will appear in the Driver Information Display (DID) to inform the driver if one or more of the above conditions have not been met.

7. When conditions four through six have been met, the DID will read "Launch Ready Release Brake." Release the brake and continue to hold wide open throttle to launch.

8. Keep the vehicle pointed straight. Launch Control will be active until the vehicle reaches 62 MPH (100 km/h).

Launch Control will abort before launch completion and display "Launch Aborted" in the DID for any 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 if Launch Control is enabled.

NOTE: Launch mode is not available within the first 500 miles of engine break-in.

Manual Transmission — If Equipped

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

1. Press the "Apps" button on the touchscreen, select Performance Control, and press the "Launch Control" button on the touchscreen or push the Super Track Pak button on the center stack switch bank.

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. To adjust the Launch RPM, press and drag the slider bar or press the arrows on the touchscreen to adjust the holding RPM. Press the back arrow button when finished. The setting will be saved.

NOTE: The default for launch control is 3000 RPM. Optimal launch RPM will depend on the engine and tires on the vehicle, as well as road and weather conditions. Not all RPM settings will be usable in all configurations and scenarios. If requested launch RPM is not attainable in a given scenario, the engine will provide the maximum amount of torque possible to get as close as possible to the requested RPM.

3. Press the "Activate Launch Mode" button on the touchscreen.
4. Ensure the vehicle is not moving and the steering wheel is pointing straight.
5. Fully depress the clutch pedal and verify the vehicle is in first gear.
6. While holding the clutch depressed, rapidly apply 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.

NOTE: Messages will appear in the Driver Information Display (DID) to inform the driver if one or more of the above conditions have not been met.

7. When conditions four through six have been met, the DID will read "Launch Ready Release Clutch." Release the clutch quickly and continue to hold wide open throttle to launch. Execute shifts as described in the section "Manual Transmission – Shifting."

8. Keep the vehicle pointed straight. Launch control will be active until the vehicle reaches 62 MPH (100 km/h).

Launch Control will abort before launch completion and display "Launch Aborted" in the DID for any the following conditions:

- The brake is applied 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 ESC system to another mode if Launch Control is enabled.

NOTE: Launch mode is not available within the first 500 miles of engine break-in.

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

Drive Mode Set-Up

Drive Mode Set-Up

Pressing the "Drive Mode Set-Up" button on the touchscreen within the Performance Control screen indicates the real-time status of the various systems. Pressing the "Sport Mode Set-Up" or "Default Mode Set-Up" buttons

on the touchscreen, the driver can configure their individual drive modes and see how those configurations affect the performance of the vehicle.

NOTE: Not all of the options listed in this manual are available on every vehicle, below is a chart with all available Drive Mode vehicle configurations.

Available Mode Configurations

Transmission	Engine	Engine/Trans	Steering	Paddle Shifters	Traction Control
Auto	N/A	X	X	X	X
Manual	X	N/A	X	N/A	X

Refer to the Sport and Default modes for their detailed operation.

NOTE: These settings will remain in effect when using the Launch Control feature.

Default Mode

Default Mode

The vehicle will always start in Default Mode. This mode is for typical driving conditions. While in Default Mode, the Engine, Transmission and Traction will operate in their Normal settings and cannot be changed. The Steering assist may be configured to Normal, Sport, or Comfort by pressing the corresponding buttons on the touchscreen. The Paddle Shifters may be enabled or disabled while in this mode.

Default Mode Set-Up

Sport Mode

Sport Mode

Sport Mode is a configuration set-up for typical enthusiast driving. The Transmission and Steering are both set to their Sport settings. The steering wheel paddle switches are enabled. The Traction Control defaults to Normal.

Any of these four settings may be changed to the driver's preferences by pressing the buttons on the touchscreen. Push the Sport button on the instrument panel switch bank to put the vehicle in Sport Mode and activate these settings.

Sport Mode Set-Up

Possible Drive Mode configurations are listed below with accompanying descriptions. The information contained in the list below can also be accessed from within the mode Set-Up menus. To access the information, press the "Info" button on the touchscreen from the mode Set-Up menu, and use the left / right arrows to toggle through available descriptions. The title for each system in the Set-Up menu can be pressed, which provides the descriptions for each function of that system.

Engine

Engine

- *Sport*

Press the "Sport" button on the touchscreen for improved throttle response for an enhanced driving experience.

- *Normal*

Press the "Norm" button on the touchscreen for standard throttle response for normal driving.

Engine/Trans

Engine/Trans

- *Sport*

Press the "Sport" button on the touchscreen for improved throttle response and modified shifting for an enhanced driving experience.

- *Normal*

Press the "Norm" button on the touchscreen for a balance of throttle response, shift comfort and economy for normal 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.

Traction

Traction Control

- *SPORT*

Press the "SPORT" button on the touchscreen to turn off traction control and reduce stability control.

- *NORMAL*

Press the "NORM" button on the touchscreen to provide full traction control and full stability control.

Steering

Steering

- *Sport*

Press the "Sport" button on the touchscreen to provide the greatest amount of steering feel, requiring the highest amount of steering effort.

- *Normal*

Press the "Norm" button on the touchscreen to provide greater steering feel, requiring greater steering effort.

- *Comfort*

Press the "Comf" button on the touchscreen to provide a balance of steering feel and steering effort.

SRT DRIVE MODES

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UNDERSTANDING YOUR INSTRUMENT PANEL

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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 that allows you to access and change the customer programmable features.

Uconnect® 8.4A/8.4AN Buttons

1 — Uconnect® Main Menu Buttons On The Touchscreen

SRT Performance Pages

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

To access the SRT Performance Pages, press the "SRT & Apps" button on the touchscreen, then press the "SRT Performance" button on the touchscreen, or press "SRT Pages" in the top left of the touchscreen while in Drive Modes. Press the desired button on the touchscreen to access that specific Performance Page.

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

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WARNING! ***(Continued)***

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
- Digital Gauge 1
- Digital Gauge 2
- G-Force
- Engine Values

The following describes each feature and its operation:

Home

Challenger SRT Performance Pages — Home

Charger SRT Performance Pages — Home

When Home is selected, the following features will be available:

- A series of six images which can be selected by the user.
- A left and right arrow to allow the user to scroll through vehicle images.
- A short-cut to the SRT Drive Modes feature.

Timers

SRT Performance Pages — Timers

When the Timers Page is selected you will be able to select from following "Tickets":

- *Current*

Pressing the "Current" button displays a "real time" summary of performance timers.

- *Last*

Pressing the "Last" button displays the last recorded run of performance timers.

- *Best*

Pressing the "Best" button displays the best recorded run of performance timers, except for braking data.

- *Save*

Pressing the "Save" button will let you save the last run. Any saved run over 10, will overwrite the last saved run for Uconnect® System storage. The operation of the Save feature is listed below:

SRT Performance Pages — "Save"

With a USB jump drive installed, press the "USB" button to save runs to the jump drive.

With an SD Card installed, press the "SD Card" to save runs to the SD Card.

Press the "Uconnect" button to save the runs to the Owner web page.

Press the "Cancel" button to view the last timer "Ticket."

The "Tickets" 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 Driver Information Display (DID).

NOTE: The Reaction Time, MPH, ⅛, and ¼ Mile timers will be "ready" 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).

- ***⅛ Mile (200 meter)***

Displays the time it takes for the vehicle to go an ⅛ Mile (200 meters).

- ***¼ mile (400 meter)***

Displays the time it takes for the vehicle to go an ¼ mile (400 meters).

- ***Brake Distance***

Displays the distance it takes the vehicle to make a full stop. Contains current and last data for distance and start – from speed.

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

- *Brake Speed*

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

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

Gauges 1

SRT Performance Pages — Gauges 1 (6.2L Challenger Manual Transmission)

SRT Performance Pages — Gauges 1 (6.2L Automatic Transmission)

When selected, this screen displays the following values:

- *Coolant Temperature*

Shows the actual coolant temperature.

- *Oil Pressure*

Shows the actual oil pressure.

- *Oil Temperature*

Shows the actual oil temperature.

- *Battery Voltage*

Shows the actual battery voltage.

- *Trans Oil Temp (Auto Transmission Only)*

Shows the actual automatic transmission oil temperature.

SRT Performance Pages — Gauges 1 (6.4L)

When selected, this screen displays the following values:

- *Coolant Temperature*

Shows the actual coolant temperature.

- *Oil Temperature*

Shows the actual oil temperature.

- *Oil Pressure*

Shows the actual oil pressure.

Gauges 2

SRT Performance Pages — Gauges 2 (6.4L Challenger Manual Transmission)

SRT Performance Pages — Gauges 2 (6.4L Automatic Transmission)

When selected, this screen displays the following values:

- *Battery Voltage*

Shows the actual battery voltage.

- *Intake Air Temperature*

Shows the actual intake air temperature.

- *Transmission Temperature (Automatic Transmission Only)*

Shows the actual transmission temperature.

SRT Performance Pages — Gauges 2 (6.2L)

When selected, this screen displays the following values:

- *Boost Pressure*

Shows the current value for boost pressure.

- *Air Fuel Ratio*

Shows the current value for the air fuel ratio.

- *Inter-Cooler (I/C) Coolant Temperature*

Shows the current value for the I/C coolant temperature.

- *Intake Air Temperature*

Shows the actual intake air temperature.

G-Force

Challenger SRT Performance Pages — G-Force

Charger SRT Performance Pages — G-Force

When selected, this screen displays all four G-Force values (two lateral and two longitudinal) as well as steering angle.

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

- ***Lateral G-Force Left and Right***

The lateral g-force measures the (sideways) left and right force of the vehicle.

- ***Longitudinal G-Force Fore and Aft***

The longitudinal g-force measures the acceleration and braking force of the vehicle.

- ***Peak G-Forces Fore Aft, Left and Right***

This shows the maximum g-forces that have been achieved since the last reset from the DID. Peak values are maintained through ignition cycles by the DID until they are cleared by the driver.

- ***Vehicle Speed***

Vehicle Speed measures the current speed of the vehicle in either mph or km/h, starting at 0 with no maximum value.

- ***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 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.

When a force greater than zero is measured, the display will update the value as it climbs. As the G-Force falls, the peak forces will continue to display.

Engine

SRT Performance Pages — Engine (6.4L Automatic Transmission)

SRT Performance Pages — Engine (6.2L Automatic Transmission)

When selected, this screen displays the following values:

- *Vehicle Speed*

Shows the actual vehicle speed.

- *Instantaneous Horsepower/Kilowatts*

Shows the instantaneous horsepower.

- *Instantaneous Torque*

Shows the instantaneous torque.

- *Oil Pressure (6.4L Only)*

Shows the actual oil pressure.

- *Gear (Automatic Transmission Only)*

Shows the current (or pending) operating gear of the vehicle.

- *Boost Pressure (6.2L Only)*

Shows the actual boost pressure.

SRT Drive Modes

Key FOB 6.2L Supercharged Engine — If Equipped

Red Key FOB

If your vehicle is equipped with the 6.2L supercharged engine, it will support an additional engine power level configuration as part of SRT Drive Modes. Use of the

RED key FOB unlocks the full potential of the engine's output, and allows the driver to select from two power levels within Drive Modes Set-Up.

Black Key FOB

Use of the BLACK key FOB limits the driver to a reduced engine output. This information is also available within the SRT Drive Modes interface, and can be accessed by pressing the "KEY FOB" button on the touchscreen in the SRT Drive Modes menu.

Drive Modes

Drive Modes

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 Uconnect® radio and may be accessed by performing any of the following:

- Pushing the SRT button on the instrument panel switch bank.
- Selecting "Drive Modes" from the "SRT & Apps" menu.
- Selecting "Drive Modes" from within the Performance Pages menu.

NOTE: Not all options listed in this manual are available on every vehicle. Refer to the chart below for all available Drive Mode vehicle configurations.

Engine/ Transmis-sion	Red Key/ 700+ HP	Black Key/ 500 HP	Transmis-sion	Paddle Shifters	Suspen-sion	Steering	Traction
6.2L Auto	X	X	X	X	X	N/A	X
6.2L Manual	X	X	N/A	N/A	X	N/A	X
6.4L Auto	N/A	N/A	X	X	X	X	X
6.4L Manual	N/A	N/A	N/A	N/A	X	X	X

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 buttons are Track, Sport, Custom, or Default and will be highlighted when displaying the current configuration. Information shown below each drive mode button will indicate the actual status of each system, along with a graphic that displays the status of the vehicle's components. The color red indicates "Track," orange "Sport," and yellow "Street." 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 and why.

NOTE: ESC Full-Off can be activated across all of the Drive Mode features by pushing and holding the ESC Off button on the instrument panel switch bank for five seconds.

Listed below are the available Drive Modes:

Track Mode

Drive Modes (Track)

Pressing the "Track" button on the touchscreen will activate the configuration for typical track driving. The Transmission, Traction, Steering, and Suspension systems are all set to their "Track" settings highlighted in red. The Paddle Shifters are enabled.

Sport Mode

Drive Modes (Sport)

Pressing the "Sport" button on the touchscreen will activate the configuration for typical enthusiast driving. The Traction, Transmission, Steering, and Suspension systems are all set to their "Sport" settings highlighted in orange. The Paddle Shifters are enabled.

Default Mode

Drive Modes (Default)

The vehicle will start in Default Mode unless Valet mode is active. This mode is for typical driving conditions where the Traction and Transmission will be operating in their Street settings, which cannot be changed while in this mode. The Steering and Suspension can be configured in either the "Street," "Sport," or "Track" modes and the Paddle Shifters may be enabled or disabled while in this mode.

Custom Mode

Custom Mode

The Custom Mode may be selected quickly by pushing the SRT button on the instrument panel switch bank two times, or pressing the "Custom" button on the touchscreen. Custom Mode allows the you to create a custom configuration that is saved for quick selection of your favorite settings. While in Custom Mode, the Horsepower, Traction, Transmission, Steering, Suspension, and Paddle Shifter settings are shown in their current configuration.

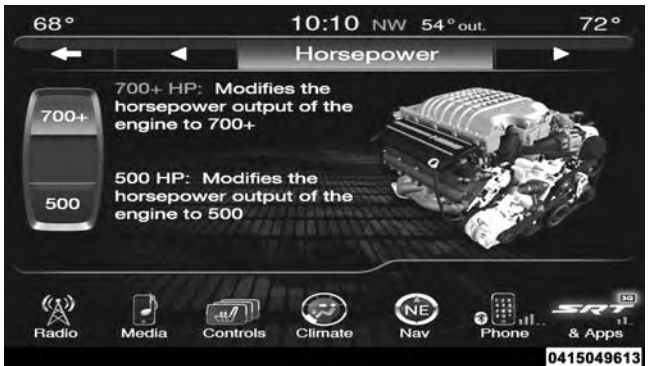
Custom Mode Set-Up — 6.4L Example

While in the Custom Drive Mode screen, press the "Custom Set-Up" button on the touchscreen to access the selectable options. In the Custom Mode Set-Up screen the individual current configuration will be displayed. Select which mode suits your driving needs for a custom driving experience.

Custom Mode Set-Up Info

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

Horsepower — If Equipped With 6.2L Supercharged Engine



Horsepower — 6.2L Supercharged Engine Only

- ***700+***

Press the "700+" button on the touchscreen to modify the output power of the engine to 700+ horsepower.

NOTE: This selection is only available with the RED RKE Key Fob "700+ HP".

- ***500***

Press the "500" button on the touchscreen to modify the output power of the engine to 500 horsepower.

NOTE: This selection is available with the RED or BLACK RKE Key Fob "500 HP".

Transmission — If Equipped With 8 Speed Transmission

Transmission

- *Track*

Press the "Track" button on the touchscreen to provide the fastest shift speeds and will have the highest comfort trade-off.

- *Sport*

Press the "Sport" button on the touchscreen to provide faster shift speeds and will have a moderate comfort trade-off.

- *Street*

Press the "Street" button on the touchscreen 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.

Traction

Traction

- *Track*

Press the "Track" button on the touchscreen to modify traction control to optimize track performance with the least stability control.

- *Sport*

Press the "Sport" button on the touchscreen to turn off traction control and reduce stability control.

- *Street*

Press the "Street" button on the touchscreen to provide full traction control and full 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 — If Equipped With 6.4L Engine

Steering

- *Track*

Press the "Track" button on the touchscreen to provide the greatest amount of steering control, requiring the highest amount of steering effort.

- *Sport*

Press the "Sport" button on the touchscreen to provide greater steering control, requiring greater steering effort.

- *Street*

Press the "Street" button on the touchscreen to provide a balance of steering control and steering effort.

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.

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.

Activate Launch Control

Launch Control can be accessed by pushing the Launch Control button on the instrument panel switch bank or pressing the SRT button on the instrument panel switch bank then selecting the"Race Options" button on the touchscreen. Press the "Activate Launch Control" button on the touchscreen to activate the feature. Press the "Launch RPM Set-Up" to set the holding RPM. Launch Mode can be turned on or off by either pushing the Launch Control button on the instrument panel switch bank (if activated), or by pressing the "Cancel Launch Mode" button on the touchscreen.

NOTE: Launch RPM Set-Up cannot be accessed unless Launch Mode is deactivated.

Launch RPM Set-Up — Challenger Manual Transmission

To adjust the Launch RPM, drag the slider bar or press the arrows on the touchscreen to adjust the holding RPM. The launch RPM limits will vary between the automatic transmissions (1500–3500 RPM) and manual transmissions (2000–4500 RPM).

For further information refer to “Drive Modes” in “Starting and Operating”.

Shift Light

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 Driver Information Display (DID). Pressing the "Shift Light RPM Set-Up" button on the touchscreen will take you to the Shift Light RPM Set-Up screen.

Shift Light RPM Set-Up

The Shift Light RPM Set-Up allows you to set the shift light to actuate for gears 1, 2, 3, 4, and 5-8 (automatic transmission) 1, 2, 3, 4, and 5–6 (manual transmission). Pressing and releasing the up/down arrow buttons on the touchscreen above and below each listed gear, the RPM values will change in increments of 250 RPM. Pressing and holding the arrows will change the RPM values in increments of 500 RPM, ranging from 2000–6000 RPM. The Shift Light setup 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.

Valet Mode

Valet Mode Activation

To enter Valet Mode press the "Valet" button on the touchscreen and a popup screen will ask you if you would like to enter Valet Mode, after selecting "Yes" you will be asked to enter a 4 digit PIN code. The PIN code is not set, so you are free to select any 4 digit numeric combination that will be easy to remember.

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

- Engine limited to the lowest power output state.
- Transmission locks out access to first gear and up-shifts earlier than normal.
- Transmission will treat the Manual shifter position the same as the Drive position.
- Traction, Steering, and Suspension are set to their STREET settings.
- Steering wheel paddle shifters are disabled.

- The Drive Mode interface is not available. Pressing the SRT button on the touchscreen will display the unlock keypad.
- The ESC Off button is disabled.
- The Launch Control button is disabled.

Valet Mode Deactivation

To exit Valet Mode you must enter the same 4 digit PIN that was used to enter the mode. The unlock keypad can be accessed by either pushing the SRT button on the faceplate, or pressing the "Valet Mode Active – Press Here to Exit" button on the touchscreen.

Valet Mode Deactivation PIN

The Valet Mode Deactivation key pad will then prompt you for your 4 digit PIN code, enter your PIN code and press the "OK" button on the touchscreen. Your vehicle will then return to the last configured Drive Mode.

NOTE: If your 4 digit PIN is lost or forgotten, the vehicle will exit Valet Mode after a battery disconnect for approximately one minute. Reconnect the battery and cycle the ignition to the RUN position, the vehicle will be in Default Mode.

ECO Mode — If Equipped With Automatic Transmission

Eco Mode

Press the "Eco" button on the touchscreen on the SRT Drive Modes main menu. 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. The Paddle Shifters will be disabled while in Eco mode.

- Changing the Drive Mode will deactivate Eco.
- Eco will be disabled if a setting affected by the Eco feature is changed in the Custom Mode Set-Up screens.

STARTING AND OPERATING

CONTENTS

DRIVE MODES

Your SRT vehicle is equipped with a SRT Drive Mode feature. This feature gives the driver control over the systems in the vehicle which affect its performance, enabling the driver to tune it for desired driving scenarios. Below are the modes of operation:

NOTE: Refer to "Uconnect® Settings" in "Understanding Your Instrument Panel" for further descriptions of these modes.

Drive Modes

- TRACK Mode — TRACK Mode is a pre-defined configuration optimized for typical track driving. The ABS, Transmission, Steering, and Suspension systems are all set to their TRACK settings. Steering wheel paddle shifters are enabled.

- SPORT Mode — SPORT Mode is a pre-defined configuration optimized for typical enthusiast driving. The ABS, Transmission, Steering, and Suspension systems are all set to their SPORT settings. Steering wheel paddle shifters are enabled.
- CUSTOM — CUSTOM Mode allows the driver to create a custom vehicle configuration that is saved for quick selection of favorite settings. The system will return to Default mode when the ignition switch is cycled from RUN to OFF to RUN, if this mode is selected. While in Custom Mode the Traction, Transmission, Steering, Suspension and Paddle shifter settings may be configured through the custom mode set-up in any combination.

Custom Mode Set-Up

Listed below is a description of each of these settings:

Transmission (Trans)

- Track — provides the fastest shift speeds and has the highest comfort trade-off.

- Sport — provides a faster shift speed and has a moderate comfort trade-off.
- Street — provides a balance of shift speed and comfort for typical daily driving.

Paddles — If Equipped

- On — enables steering wheel mounted paddle shifters.
- Off — disables steering wheel mounted paddle shifters.

Traction

- Track — modifies traction control to optimize track performance with the least stability control.
- Sport — turns off traction control and reduces stability control.
- Street — provides full traction control and full stability control.

Suspension (Susp)

- Track — provides the firmest possible suspension stiffness with the highest amount of comfort trade-off.
- Sport — provides a firmer suspension stiffness with moderate comfort trade-off.
- Street — provides a balance of suspension stiffness and ride comfort for typical daily driving.

Steering — 6.4L Engine Only

- Track — provides the greatest amount of steering control, requiring the highest amount of steering effort.
- Sport — provides greater steering control, requiring greater steering effort.
- Street — provides a balance of steering control and steering effort.

Engine Power — 6.2L Supercharged Engine Only

- 700+ HP — Provides engine output power to 700+ horsepower

NOTE: This selection is only available with the RED RKE Key Fob "700+ HP".

- 500 HP — Provides engine output power to 500 horsepower

NOTE: This selection is available with the RED or BLACK RKE Key Fob "500 HP".

- DEFAULT — DEFAULT Mode will be activated automatically when restarting the vehicle unless Valet mode is active. This mode is for typical driving conditions where the ABS and Transmission will be operating in their STREET settings, which cannot be changed while in this mode. The Steering (electric power steering — if equipped) assist and Suspension (active dampening system) stiffness may be configured to either the STREET, SPORT or TRACK settings within this mode. Steering wheel Paddle Shifters may be enabled or disabled while in this mode as well.

NOTE: The vehicle will restart with DEFAULT active if DEFAULT was active when the vehicle was last shut down.

- VALET — To enter Valet Mode the operator must select it from the Drive Modes interface and enter a 4 digit PIN code. The PIN code is not predetermined, so the operator is free to select any 4 digit numeric combination that will be easy to remember. While in Valet Mode the following vehicle configurations are set and locked to prevent unauthorized modification:
- Engine limited to a lowest power output state.

- Transmission locks out access to first gear and shifts earlier than normal.
- Transmission will treat the Manual shifter position the same as the Drive position.
- Traction, Steering and Suspension are forced to STREET settings.
- Steering wheel Paddle Shifters are disabled.
- The SRT Drive Modes are not available. Pressing the SRT button will display the unlock keypad.
- The ESC Off button is disabled.
- The Launch Control button is disabled.

NOTE:

- To exit VALET Mode the operator must enter the same 4 digit PIN that was used to enter the mode. The unlock keypad can be accessed by either pressing the SRT button or selecting to disable Valet on the Uconnect® touchscreen.
- The vehicle will restart with VALET active if VALET was active when the vehicle was last shut down.
- Eco (Automatic Transmission only) — Eco 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 will not damage the vehicle.

NOTE: Changing the Drive Mode will deactivate Eco.

Launch Mode — If Equipped

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 systems control resulting in an aborted launch.

NOTE: Launch mode is not available within the first 500 miles of engine break-in.

Preconditions:

- Launch control should not be used on public roads. Always check track conditions and the surrounding area.
- Launch Control is not available for the first 500 miles of the vehicle's life.
- 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. Use on slippery or loose surfaces may cause damage to vehicle components and is not recommended.

Automatic Transmission — If Equipped

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

1. Push the LAUNCH button on the center stack switch bank.

NOTE: Pushing the SRT button on the center stack or pressing the "SRT & Apps" button on the touchscreen are two other options to access launch control features. Please refer to "Uconnect® Settings" within your Owner's Manual on the DVD for further information.

2. Press the "Launch RPM Set-Up" button on the touchscreen. This screen will allow you to adjust your launch RPM's for optimum launch/traction.
3. Press the "Activate Launch Mode" button on the touchscreen.
4. Make sure the vehicle is not moving.
5. Make sure the steering wheel is pointing straight.
6. Hold the brake and make sure the vehicle is in "Drive".
7. While holding the brake, rapidly apply 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.

NOTE: Messages will appear in the Driver Information Display (DID) to inform the driver if one or more of the above conditions have not been met.

8. When conditions 5 through 8 have been met, the Driver Information Display (DID) will read "Launch Ready Release Brake".
9. Keep the vehicle pointed straight.

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

Launch control will abort before launch completion, display "Launch Aborted" in the cluster and return to ESC Full ON under any the following conditions:

- The accelerator pedal is released during launch. ESC system continues in ESC Full ON.
- The ESC system detects that the vehicle is no longer moving in a straight line. ESC system continues in ESC Full ON.
- The "ESC OFF" button is pressed to change the system to another mode. One press puts the ESC system into ESC Full ON.

NOTE: After launch control has been aborted, ESC will return to its current ESC mode.

Manual Transmission — If Equipped

Vehicles with a manual transmission have an adjustable launch RPM controlled through the Uconnect® system.

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

1. Pressing the "LAUNCH" button on the center stack switch bank.

NOTE: Pushing the SRT button on the center stack or pressing the "SRT & Apps" button on the touchscreen are two other options to access launch control features. Please refer to "Uconnect® Settings" within your Owner's Manual on the DVD for further information.

2. Press the "Launch RPM Set-Up" button on the touchscreen. This screen will allow you to adjust your launch RPM's for optimum launch/traction.

3. Press the "Activate Launch Mode" button on the touchscreen.
4. Make sure the vehicle is not moving.
5. Make sure the steering wheel is pointing straight.
6. Fully depress the clutch pedal and make sure the vehicle is in first gear.
7. While holding the clutch depressed, rapidly apply the accelerator pedal to wide open throttle. The engine speed will hold at the pre-selected launch RPM. The engine speed will hold at the RPM that was set in the "Launch RPM Set-up" screen.

NOTE: Messages will appear in the Driver Information Display (DID) to inform the driver if one or more of the above conditions have not been met.

8. When conditions 5 through 8 have been met, the Driver Information Display (DID) will read "Launch Ready Release Clutch". Release the clutch quickly and continue to hold wide open throttle to launch execute shifts. Refer to "Manual Transmission – Shifting" in this section for further information.

Release the brake and continue to hold wide open throttle to launch.

9. Keep the vehicle pointed straight.

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

Launch control will abort before launch completion, display "Launch Aborted" in the cluster and return to ESC Full ON under any the following conditions:

- The brake is applied 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 ESC system to another mode. One press puts the ESC system into ESC Full-On.

NOTE: 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.

Guidelines For Track Use

NOTE: Because of the extreme conditions encountered during track use, any damage or wear associated with track use is not covered by warranty.

- 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 modes during the track event.
- Prior to each track event/day, verify all fluids are at the correct levels. Refer to "Fluid Capactites" in Maintaining Your Vehicle for further information.
- Prior to each track event, verify the front and rear brake pads have more than ½ pad thickness remaining. If the brake pads require changing, please burnish prior to track outing at full pace.
- 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 1 cool down lap using minimal braking.
- If equipped with a removable lower front fascia grille, it is recommended to remove it for track use during warm/hot weather to improve cooling airflow to critical powertrain and cooling system components.
- All SRT vehicles are track tested for 24 hours of endurance, however, it is recommended that suspension system, brake system, prop shaft, and ½ shaft boots should be checked for wear or damage after every track event.
- Track usage results in increased operating temperatures of the engine, transmission, clutch, driveline and brake system. This may affect noise (NVH) countermeasures designed into your vehicle. New components may need to be installed to return the system to the original NVH performance.
- Tire pressure:
  - 40psi hot, recommend 32psi front, 30psi rear cold

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 ABS intervention.
2. Lap the track in this manner until you start smelling the brakes. Continue for another ½ lap at speed, then do a 2 lap cool down with minimal brake applies. Make sure the brakes are not smoking. If they are, do another cool down lap.

3. Do not continue for more than 1 full burnishing lap after you start smelling the brakes. Do not get them smoking heavily. This will get them too hot and affect their life negatively in future track use.
4. Allow vehicle to sit and cool in the paddock for at least 30 min. If an infrared thermal gun is available, allow rotors to cool to 200°F before going back out.
5. There should be a thin, ashy layer when inspecting the pads installed in the caliper. Having the ash layer go more than half the thickness of the pad material indicates too aggressive of a burnish.
6. Sometimes, a second burnish session is required. If the pads start smelling in the next track session, reduce speed and braking decel to burnish targets and follow step 2-4.
7. New pads installed on old rotors still need to be burnished. New rotors installed with old pads should be burnished at the track or street driven for 300 city miles 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. 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.

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