

PE15-030

FLAT CHRYSLER

11-24-2015

ENCLOSURE 11

2014-Grand_Cherokee-Owners
Manual-8th_Shifting and Park

STARTING PROCEDURES

Before starting your vehicle, adjust your seat, adjust the inside and outside mirrors, fasten your seat belt, and if present, instruct all other occupants to buckle their seat belts.

WARNING!

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

(Continued)

WARNING! *(Continued)*

- Do not leave the Key Fob in or near the vehicle (or in a location accessible to children), and do not leave the ignition of a vehicle equipped with Keyless Enter-N-Go™ ACC or RUN mode. A child could operate power windows, other controls, or move the vehicle.

Automatic Transmission

The shift lever must be in the NEUTRAL or PARK position before you can start the engine. Apply the brakes before shifting into any driving gear.

CAUTION!

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

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

Keyless Enter-N-Go™

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

Normal Starting**Using The ENGINE START/STOP Button**

1. The transmission must be in PARK or NEUTRAL.
2. Press and hold the brake pedal while pressing the ENGINE START/STOP button once.
3. The system takes over and attempts to start the vehicle. If the vehicle fails to start, the starter will disengage automatically after 10 seconds.

4. If you wish to stop the cranking of the engine prior to the engine starting, press the button again.

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

To Turn Off The Engine Using ENGINE START/STOP Button

1. Place the shift lever/gear selector in PARK, then push and release the ENGINE START/STOP button.
2. The ignition switch will return to the OFF position.
3. If the shift lever/gear selector is not in PARK, the ENGINE START/STOP button must be held for two seconds or three short pushes in a row with the vehicle speed above 5 mph (8 km/h) before the engine will shut off. The ignition switch position will remain in the ACC position until the shift lever/gear selector is in PARK and the button is pushed twice to the OFF

position. If the shift lever/gear selector is not in PARK and the ENGINE START/STOP button is pushed once, the Driver Information Display (DID) will display a “Vehicle Not In Park” message and the engine will remain running. Never leave a vehicle out of the PARK position, or it could roll.

NOTE: If the ignition switch is left in the ACC or RUN (engine not running) position and the transmission is in PARK, the system will automatically time out after 30 minutes of inactivity and the ignition will switch to the OFF position.

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

The ENGINE START/STOP button operates similar to an ignition switch. It has four positions, OFF, ACC, RUN

and START. To change the ignition positions without starting the vehicle and use the accessories follow these steps:

- Starting with the ignition in the OFF position,
- Push the ENGINE START/STOP button once to place the ignition to the ACC position (DID will display "ACC"),
- Push the ENGINE START/STOP button a second time to place the ignition to the RUN position (DID will display "ON/RUN"),
- Push the ENGINE START/STOP button a third time to return the ignition to the OFF position (DID will display "OFF").

Extreme Cold Weather (Below -20°F Or -29°C)

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

If Engine Fails To Start

WARNING!

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

(Continued)

WARNING! (Continued)

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

Clearing A Flooded Engine (Using ENGINE START/STOP Button)

If the engine fails to start after you have followed the "Normal Starting" or "Extreme Cold Weather" procedures, it may be flooded. To clear any excess fuel:

1. Press and hold the brake pedal.
2. Press the accelerator pedal all the way to the floor and hold it.
3. Press and release the ENGINE START/STOP button once.

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

After Starting

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

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:

- 3.6L Engine — Coiled and strapped to the engine oil dipstick tube.
- 5.7L Engine — Bundled and fastened to the injector harness.

WARNING!

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

AUTOMATIC TRANSMISSION

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.

(Continued)

WARNING! (Continued)

- 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 apply the parking brake, shift the transmission into PARK, turn the engine OFF, and remove the key fob. When the ignition is in the OFF position, the transmission is locked in PARK, securing the vehicle against unwanted movement.
- When leaving the vehicle, always make sure the ignition switch is in the OFF position, remove the key fob from the vehicle, and lock the vehicle.

(Continued)

WARNING! (Continued)

- 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 of a vehicle equipped with Keyless Enter-N-Go™ in the ACC or ON/RUN mode. A child could operate power windows, other controls, or move the vehicle.

CAUTION!

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

- Shift into PARK only after the vehicle has come to a complete stop.
- Shift into or out of REVERSE only after the vehicle has come to a complete stop and the engine is at idle speed.
- 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.

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

Key Ignition Park Interlock

This vehicle is equipped with a Key Ignition Park Interlock which requires the transmission to be in PARK before the engine can be turned off. This helps the driver avoid inadvertently leaving the vehicle without placing the transmission in PARK.

This system also locks the transmission in PARK whenever the ignition switch is in the OFF position.

Brake/Transmission Shift Interlock System

This vehicle is equipped with a Brake Transmission Shift Interlock System (BTSI) that holds the shift lever in PARK unless the brakes are applied. To shift the transmission out of PARK, the engine must be running and the brake pedal must be pressed.

The brake pedal must also be pressed to shift from NEUTRAL into DRIVE or REVERSE when the vehicle is stopped or moving at low speeds.

Fuel Economy (ECO) Mode

The Fuel Economy (ECO) mode can improve the vehicle's overall fuel economy during normal driving conditions. Press the “eco” switch in the center stack of the instrument panel and a amber light will indicate the ECO mode is engaged.



Fuel Economy Mode Switch

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.
- Some ECO mode functions may be temporarily inhibited based on temperature and other factors.

NOTE: When Sport Mode is enabled, the vehicle's air suspension system will operate in “Aero” Mode. Please refer to “Quadra Lift” within this section for further information.

Eight-Speed Automatic Transmission

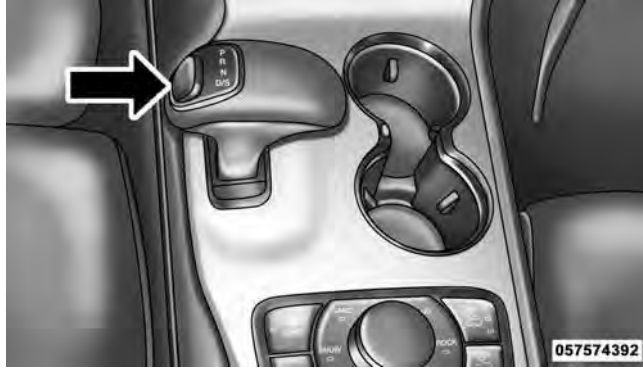
Your vehicle is equipped with a state of the art, fuel efficient eight-speed transmission. The electronic shift lever in this vehicle does not slide like a conventional shifter. Instead, the shift lever is spring loaded and moves forward and rearward, always returning to the center position after each gear is selected. The transmission gear (PRND) is displayed both on the shift lever and in the Electronic Vehicle Information Center (EVIC). To select a gear range, press the lock button on the shift lever and move the lever rearward or forward. You must press the brake pedal to shift the transmission out of PARK, or to shift from NEUTRAL into DRIVE or REVERSE when the vehicle is stopped or moving at low speeds (refer to “Brake/Transmission Shift Interlock System” in this section). To shift past multiple gear ranges at once (such as PARK to DRIVE), move the lever past the first (or second) detent. Select the DRIVE range for normal driving.

The electronically-controlled transmission provides a precise shift schedule. The transmission electronics are self-calibrating; therefore, the first few shifts on a new vehicle may be somewhat abrupt. This is a normal condition, and precision shifts will develop within a few hundred miles (kilometers).

Only shift from DRIVE to PARK or REVERSE when the accelerator pedal is released and the vehicle is stopped. Be sure to keep your foot on the brake pedal when shifting between these gears.

The transmission shift lever provides PARK, REVERSE, NEUTRAL, DRIVE and SPORT shift positions. Once in the DRIVE range, tapping the shift lever rearward will toggle between SPORT mode and DRIVE mode. You do not need to press the shift lever button when toggling between DRIVE and SPORT modes. Manual shifts can be made using the shift paddles mounted on the steering wheel. Pressing the shift paddles (-/+) while in the

DRIVE or SPORT position will manually select the transmission gear, and will display the current gear in the instrument cluster. Refer to "Paddle Shift Mode" in this section for further information.



Shift Lever

Gear Ranges

DO NOT race the engine when shifting from PARK or NEUTRAL into another gear range.

NOTE: After selecting any gear range, wait a moment to allow the selected gear to engage before accelerating. This is especially important when the engine is cold.

PARK (P)

This range supplements the parking brake by locking the transmission. The engine can be started in this range. Never attempt to use PARK while the vehicle is in motion. Apply the parking brake when leaving the vehicle in this range.

When parking on a level surface, you may shift the transmission into PARK first, and then apply the parking brake.

When parking on a hill, apply the parking brake before shifting the transmission to PARK. As an added precaution, turn the front wheels toward the curb on a downhill grade and away from the curb on an uphill grade.

NOTE: On four-wheel drive vehicles be sure that the transfer case is in a drive position.

WARNING!

- Never use the PARK position as a substitute for the parking brake. Always apply the parking brake fully when parked 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. Make sure the transmission is in PARK before leaving the vehicle.

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WARNING! (Continued)

- 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 apply the parking brake, shift the transmission into PARK, turn the engine OFF, and remove the Key Fob. When the ignition is in the OFF position, the

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WARNING! *(Continued)*

transmission is locked in PARK, securing the vehicle against unwanted movement.

- When leaving the vehicle, always remove the Key Fob and lock your vehicle.
- Never leave children alone in a vehicle, or with access to an unlocked vehicle. Allowing children to be in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Children should be warned not to touch the parking brake, brake pedal or the transmission shifter. 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 a vehicle equipped with Keyless Enter-N-Go™) in the ACC or ON/RUN position. A child could operate power windows, other controls, or move the vehicle.

(Continued)

WARNING! *(Continued)*

- Do not leave the Key Fob in or near the vehicle (or in a location accessible to children), and do not leave the ignition (of a vehicle equipped with Keyless Enter-N-Go™) in the ACC or ON/RUN position. A child could operate power windows, other controls, or move the vehicle.
- Before moving the shift lever out of PARK, you must start the engine, and also press the brake pedal. Otherwise, damage to the shift lever could result.

CAUTION!

- **DO NOT** race the engine when shifting from PARK or NEUTRAL into another gear range, as this can damage the drivetrain.

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CAUTION! *(Continued)*

- Before moving the shift lever out of PARK, you must start the engine, and also press the brake pedal. Otherwise, damage to the shift lever could result.

The following indicators should be used to ensure that you have engaged the transmission into the PARK position:

- When shifting into PARK, press the lock button on the shift lever and push the lever all the way forward until it stops. When released, the lever will return to the center position.
- With brake pedal released, look at the transmission gear position display and verify that it indicates the PARK position.

REVERSE (R)

This range is for moving the vehicle backward. Shift into REVERSE only after the vehicle has come to a complete stop.

NEUTRAL (N)

Use this range when the vehicle is standing for prolonged periods with the engine running. The engine may be started in this range. Apply the parking brake and shift the transmission into PARK if you must leave the vehicle.

WARNING!

Do not coast in NEUTRAL and never turn off the ignition to coast down a hill. These are unsafe practices that limit your response to changing traffic or road conditions. You might lose control of the vehicle and have a collision.

CAUTION!

Towing the vehicle, coasting, or driving for any other reason with the transmission in NEUTRAL can cause severe transmission damage. Refer to "Recreational Towing" in "Starting And Operating" and "Towing A Disabled Vehicle" in "What To Do In Emergencies" for further information.

DRIVE (D)

This range should be used for most city and highway driving. It provides the smoothest upshifts and downshifts, and the best fuel economy. The transmission automatically upshifts through all forward gears. The DRIVE position provides optimum driving characteristics under all normal operating conditions.

When frequent transmission shifting occurs (such as when operating the vehicle under heavy loading conditions, in hilly terrain, traveling into strong head winds, or while towing heavy trailers), use the Paddle Shift switches (refer to "Paddle Shift Mode" in this section) to select a lower gear. Under these conditions, using a lower gear will improve performance and extend transmission life by reducing excessive shifting and heat buildup.

During extremely cold temperatures (-22°F [-30°C] or below), transmission operation may be modified depending on engine and transmission temperature as well as vehicle speed. Normal operation will resume once the transmission temperature has risen to a suitable level.

SPORT (S)

This mode alters the transmission's automatic shift schedule for sportier driving. Upshift speeds are increased to make full use of available engine power. To

switch between DRIVE and SPORT modes, tap the shift lever rearward. SPORT mode is only accessible from DRIVE.

NOTE: When Sport Mode is enabled, the vehicle's air suspension system will operate in "Aero" Mode. Please refer to "Quadra Lift" within this section for further information.

Transmission Limp Home Mode

Transmission function is monitored electronically for abnormal conditions. If a condition is detected that could result in transmission damage, Transmission Limp Home Mode is activated. In this mode, the transmission may operate only in certain gears, or may not shift at all. Vehicle performance may be severely degraded and the engine may stall. In some situations, the transmission may not re-engage if the engine is turned off and restarted. The Malfunction Indicator Light (MIL) may be

illuminated. A message in the instrument cluster will inform the driver of the more serious conditions, and indicate what actions may be necessary.

In the event of a momentary problem, the transmission can be reset to regain all forward gears by performing the following steps:

NOTE: In cases where the instrument cluster message indicates the transmission may not re-engage after engine shutdown, perform this procedure only in a desired location (preferably, at your authorized dealer).

1. Stop the vehicle.
2. Shift the transmission into PARK, if possible. If not, shift the transmission to NEUTRAL.
3. Turn the ignition switch to the OFF position. On vehicles with Keyless Enter-N-Go™, press and hold the ignition switch until the engine turns OFF.

4. Wait approximately 30 seconds.
5. Restart the engine.
6. Shift into the desired gear range. If the problem is no longer detected, the transmission will return to normal operation.

NOTE: Even if the transmission can be reset, we recommend that you visit your authorized dealer at your earliest possible convenience. Your authorized dealer has diagnostic equipment to determine if the problem could recur.

If the transmission cannot be reset, authorized dealer service is required.

Paddle Shift Mode

Paddle Shift mode is a driver-interactive transmission feature providing manual shift control, giving you more

control of the vehicle. Paddle Shift allows you to maximize engine braking, eliminate undesirable upshifts and downshifts, and improve overall vehicle performance. This system can also provide you with more control during passing, city driving, cold slippery conditions, mountain driving, trailer towing, and many other situations.

Operation

When the transmission is in DRIVE or SPORT mode, it will operate automatically, shifting between the eight available gears. To engage Paddle Shift mode, simply tap one of the steering wheel-mounted shift paddles (+/-) while in DRIVE or SPORT mode. Tapping (-) to enter Paddle Shift mode will downshift the transmission to the next lower gear, while using (+) to enter Paddle Shift mode will retain the current gear. When Paddle Shift mode is active, the current transmission gear is displayed in the instrument cluster.

In Paddle Shift mode, the transmission will shift up or down when (+/-) is manually selected by the driver, unless an engine lugging or overspeed condition would result. It will remain in the selected gear until another upshift or downshift is chosen, except as described below.

- The transmission will automatically downshift as the vehicle slows (to prevent engine lugging) and will display the current gear.
- The transmission will automatically downshift to first gear when coming to a stop. After a stop, the driver should manually upshift (+) the transmission as the vehicle is accelerated.
- You can start out, from a stop, in first or second gear (or third gear, in 4LO range, Snow mode, or Sand mode). Tapping (+) at a stop will allow starting in second gear. Starting out in second gear is helpful in snowy or icy conditions.

- If a requested downshift would cause the engine to over-speed, that shift will not occur.
- The system will ignore attempts to upshift at too low of a vehicle speed.
- Holding the (-) paddle depressed will progressively downshift the transmission to the lowest gear possible at the current speed.
- Transmission shifting will be more noticeable when Paddle Shift mode is enabled.
- The system may revert to automatic shift mode if a fault or overheat condition is detected.

NOTE: When Selec-Speed or Hill Descent Control is enabled, Paddle Shift mode is not active. Pressing the (+/-) shift paddles in Selec-Speed or Hill Descent Control simply limits the highest allowed gear. Shifts below and up to that gear will occur automatically.

To disengage Paddle Shift mode, press and hold the (+) shift paddle until "D" or "S" is once again displayed in the instrument cluster. You can shift in or out of Paddle Shift mode at any time without taking your foot off the accelerator pedal.

WARNING!

Do not downshift for additional engine braking on a slippery surface. The drive wheels could lose their grip and the vehicle could skid, causing a collision or personal injury.

FOUR-WHEEL DRIVE OPERATION

Quadra-Trac I® Operating Instructions/ Precautions — If Equipped

The Quadra-Trac I® is a single-speed (HI range only) transfer case, which provides convenient full-time four-wheel drive. No driver interaction is required. The Brake

Traction Control (BTC) System, which combines standard ABS and Traction Control, provides resistance to any wheel that is slipping to allow additional torque transfer to wheels with traction.

NOTE: The Quadra-Trac I® system is not appropriate for conditions where 4WD LOW range is recommended. Refer to "Off-Road Driving Tips" in "Starting and Operating" for further information.

Quadra-Trac II® Operating Instructions/ Precautions — If Equipped

The Quadra-Trac II® transfer case is fully automatic in the normal driving 4WD AUTO mode. The Quadra-Trac II® transfer case provides three mode positions:

- 4WD HI
- NEUTRAL
- 4WD LOW

This transfer case is fully automatic in the 4WD HI mode. When additional traction is required, the 4WD LOW position can be used to lock the front and rear driveshafts together and force the front and rear wheels to rotate at the same speed. The 4WD LOW position is intended for loose, slippery road surfaces only. Driving in the 4WD LOW position on dry, hard-surfaced roads may cause increased tire wear and damage to driveline components.

When operating your vehicle in 4WD LOW, the engine speed is approximately three times that of the 4WD HI position at a given road speed. Take care not to overspeed the engine and do not exceed 25 mph (40 km/h).

Proper operation of four-wheel drive vehicles depends on tires of equal size, type, and circumference on each wheel. Any difference will adversely affect shifting and cause damage to the transfer case.

Because four-wheel drive provides improved traction, there is a tendency to exceed safe turning and stopping speeds. Do not go faster than road conditions permit.

WARNING!

You or others could be injured if you leave the vehicle unattended with the transfer case in the NEUTRAL (N) position without first fully engaging the parking brake. The transfer case NEUTRAL (N) position disengages both the front and rear drive shafts from the powertrain and will allow the vehicle to move regardless of the transmission position. The parking brake should always be applied when the driver is not in the vehicle.

Shift Positions

For additional information on the appropriate use of each 4WD system mode position, see the information below:

4WD AUTO

This range is used on surfaces such as ice, snow, gravel, sand, and dry hard pavement.

NOTE: Refer to “Selec-Terrain® – If Equipped” in “Starting and Operating” for further information on the various positions and their intended usages.

NEUTRAL

This range disengages the driveline from the powertrain. It is to be used for flat towing behind another vehicle. Refer to “Recreational Towing” in “Starting and Operating” for further information.

WARNING!

You or others could be injured or killed if you leave the vehicle unattended with the power transfer unit in the NEUTRAL (N) position without first fully engaging the parking brake. The NEUTRAL (N) position disengages both the front and rear drive shafts from the powertrain and will allow the vehicle to roll, even if the transmission is in PARK. The parking brake should always be applied when the driver is not in the vehicle.

4WD LOW

This range is for low speed four-wheel drive. It provides an additional gear reduction which allows for increased torque to be delivered to both the front and rear wheels while providing maximum pulling power for loose, slippery road surfaces only. Do not exceed 25 mph (40 km/h).

NOTE: Refer to “Selec-Terrain® – If Equipped” for further information on the various positions and their intended usages.

Shifting Procedures

4WD HI To 4WD LOW

With the vehicle at speeds of 0 to 3 mph (0 to 5 km/h), the ignition switch in the ON position or the engine running, shift the transmission into “N”, and press the “4WD LOW” button once on the transfer case switch. The “4WD LOW” indicator light in the instrument cluster will begin to flash and remain on solid when the shift is complete.



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Transfer Case Switch

NOTE: If shift conditions/interlocks are not met, or a transfer case motor temperature protection condition exists, a “For 4x4 Low Slow Below 3 mph (5 km/h) Put Trans in “N” Press 4 Low” message will flash from the Electronic Vehicle Information Center (EVIC). Refer to “Electronic Vehicle Information Center (EVIC)” in “Understanding Your Instrument Panel” for further information.

4WD LOW To 4WD HI

With the vehicle at speeds of 0 to 3 mph (0 to 5 km/h), the ignition switch in the ON position or the engine running, shift the transmission into NEUTRAL, and press the “4WD LOW” button once on the transfer case switch. The “4WD LOW” indicator light in the instrument cluster will flash and go out when the shift is complete.

NOTE:

- If shift conditions/interlocks are not met, or a transfer case motor temperature protection condition exists, a “For 4x4 High Slow Below 3 mph (5 km/h) Put Trans in N Press 4 Low” message will flash from the Electronic Vehicle Information Center (EVIC). Refer to “Electronic Vehicle Information Center (EVIC)” in “Understanding Your Instrument Panel” for further information.
- Shifting into or out of 4WD LOW is possible with the vehicle completely stopped; however, difficulty may occur due to the mating clutch teeth not being properly aligned. Several attempts may be required for clutch teeth alignment and shift completion to occur. The preferred method is with the vehicle rolling 0 to 3 mph (0 to 5 km/h). If the vehicle is moving faster than 3 mph (5 km/h), the transfer case will not allow the shift.

Shifting Into NEUTRAL (N)

WARNING!

You or others could be injured or killed if you leave the vehicle unattended with the transfer case in the NEUTRAL position without first fully engaging the parking brake. The transfer case NEUTRAL position disengages both the front and rear drive shafts from the powertrain and will allow the vehicle to move regardless of the transmission position. The parking brake should always be applied when the driver is not in the vehicle.

1. Bring the vehicle to a complete stop, with the engine running.
2. Press and hold the brake pedal.
3. Shift the transmission into "N".
4. If vehicle is equipped with Quadra-Lift™ air suspension, ensure the vehicle is set to Normal Ride Height.
5. Using a ballpoint pen or similar object, press and hold the recessed transfer case "N" button (located by the selector switch) for four seconds. The light behind the "N" symbol will blink, indicating shift in progress. The light will stop blinking (stay on solid) when the shift to "N" is complete. A "FOUR WHEEL DRIVE SYSTEM IN NEUTRAL" message will display on the EVIC (Electronic Vehicle Information Center). Refer to "Electronic Vehicle Information Center (EVIC)" in "Understanding Your Instrument Panel" for further information.

If necessary, add fluid to restore to the proper indicated level. With a clean cloth, wipe any spilled fluid from all surfaces. Refer to “Fluids, Lubricants, and Genuine Parts” in “Maintaining Your Vehicle” for further information.

FUEL SAVER TECHNOLOGY 5.7L ENGINE 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 or additional driving skills required.

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

PARKING BRAKE

Before leaving the vehicle, make sure that the parking brake is fully applied and place the shift lever in the PARK position.

The foot operated parking brake is located below the lower left corner of the instrument panel. To apply the park brake, firmly push the park brake pedal fully. To release the parking brake, press the park brake pedal a second time and let your foot up as you feel the brake disengage.



Parking Brake

When the parking brake is applied with the ignition switch in the ON position, the "Brake Warning Light" in the instrument cluster will illuminate.

NOTE:

- When the parking brake is applied and the transmission is placed in gear, the "Brake Warning Light" will flash. If vehicle speed is detected, a chime will sound to alert the driver. Fully release the parking brake before attempting to move the vehicle.
- This light only shows that the parking brake is applied. It does not show the degree of brake application.

When parking on a hill, it is important to turn the front wheels toward the curb on a downhill grade and away from the curb on an uphill grade. Apply the parking brake before placing the shift lever in PARK, otherwise the load on the transmission locking mechanism may make it difficult to move the shift lever out of PARK. The parking brake should always be applied whenever the driver is not in the vehicle.

WARNING!

- Never use the PARK position as a substitute for the parking brake. Always apply the parking brake fully when parked to guard against vehicle movement and possible injury or damage.
- When leaving the vehicle, always remove the Key Fob from the ignition and lock your vehicle.

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WARNING! (Continued)

- 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 shift lever.
- When leaving the vehicle, always make sure the keyless ignition node is in the "OFF" mode, remove the Key Fob from the vehicle and lock the vehicle.

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WARNING! (Continued)

- Do not leave the Key Fob in or near the vehicle or in a location accessible to children, and do not leave the ignition of a vehicle equipped with Keyless Enter-N-Go™ in the ACC or ON/RUN mode. A child could operate power windows, other controls, or move the vehicle.
- Be sure the parking brake is fully disengaged before driving; failure to do so can lead to brake failure and a collision.
- Always fully apply the parking brake when leaving your vehicle, or it may roll and cause damage or injury. Also be certain to leave the transmission in PARK. Failure to do so may allow the vehicle to roll and cause damage or injury.

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FLAT CHRYSLER

11-24-2015

ENCLOSURE 11

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OPERATING YOUR VEHICLE

ELECTRONIC SHIFTER

Your vehicle is equipped with a fuel efficient 8 speed transmission. The electronic shift lever in this vehicle does not slide like a conventional shifter. Instead, the shift lever is spring loaded and moves forward and rearward, always returning to the center position after each gear is selected.

The transmission gear (PRND) is displayed both on the shift lever and in the Electronic Vehicle Information Center (EVIC).



Shifting From PARK To DRIVE

- Firmly depress the brake pedal, press the lock button on the shift lever, then pull and hold the shift lever fully rearward until "D" is displayed in the EVIC.
- To shift back into PARK from DRIVE, bring the vehicle to a complete stop, fully depress the brake pedal, press the lock button on the shift lever, then push and hold the shift lever fully forward until "P" is displayed in the EVIC.

Shifting From REVERSE To NEUTRAL

- Pull the shift lever rearward to the first detent and release. "N" will display in the EVIC.
- To shift back into REVERSE from NEUTRAL, firmly depress the brake pedal, press the lock button on the shift lever, then push the shift lever forward to the first detent and release. "R" will display in the EVIC.

Shifting From NEUTRAL To DRIVE

- Firmly depress the brake pedal, press the lock button on the shift lever, then pull the shift lever rearward and release. "D" will display in the EVIC.
- To shift back into NEUTRAL from DRIVE, firmly depress the brake pedal, press the lock button on the shift lever, then push the shift lever forward and release. "N" will display in the EVIC.

Shifting From REVERSE To DRIVE

- Bring the vehicle to a complete stop, firmly depress the brake pedal, then pull the shift lever rearward and release when "D" is displayed in the EVIC.
- To shift back into REVERSE from DRIVE, bring the vehicle to a complete stop, firmly depress the brake pedal, press the lock button on the shift lever, then push the shift lever forward and release when "R" is displayed in the EVIC.

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STARTING PROCEDURES

Before starting your vehicle, adjust your seat, adjust the inside and outside mirrors, fasten your seat belt, and if present, instruct all other occupants to buckle their seat belts.

WARNING!

- When leaving the vehicle, always remove the key fob from the ignition and lock your vehicle. If equipped with Keyless Enter-N-Go™, always make sure the keyless ignition node is in "OFF" mode, remove the Key Fob from the vehicle and lock the vehicle.
- Never leave children alone in a vehicle, or with access to an unlocked vehicle. Leaving children in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or

(Continued)

WARNING! *(Continued)*

fatally injured. Children should be warned not to touch the parking brake, brake pedal or the gear selector.

- Do not leave the Key Fob in or near the vehicle (or in a location accessible to children), and do not leave the ignition (of a vehicle equipped with Keyless Enter-N-Go™) in the ACC or ON/RUN mode. A child could operate power windows, other controls, or move the vehicle.

Automatic Transmission

The shift lever must be in the NEUTRAL or PARK position before you can start the engine. Apply the brakes before shifting into any driving gear.

CAUTION!

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

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

Keyless Enter-N-Go™

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

Normal Starting**Using The ENGINE START/STOP Button**

1. The transmission must be in PARK or NEUTRAL.
2. Press and hold the brake pedal while pushing the ENGINE START/STOP button once.
3. The system takes over and attempts to start the vehicle. If the vehicle fails to start, the starter will disengage automatically after 10 seconds.

4. If you wish to stop the cranking of the engine prior to the engine starting, push the button again.

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

To Turn Off The Engine Using ENGINE START/STOP Button

1. Place the shift lever/gear selector in PARK, then push and release the ENGINE START/STOP button.
2. The ignition switch will return to the OFF position.
3. If the shift lever/gear selector is not in PARK, the ENGINE START/STOP button must be held for two seconds or three short pushes in a row with the vehicle speed above 5 mph (8 km/h) before the engine will

shut off. The ignition switch position will remain in the ACC position until the shift lever/gear selector is in PARK and the button is pushed twice to the OFF position. If the shift lever/gear selector is not in PARK and the ENGINE START/STOP button is pushed once, the Driver Information Display (DID) will display a “Vehicle Not In Park” message and the engine will remain running. Never leave a vehicle out of the PARK position, or it could roll.

NOTE: If the ignition switch is left in the ACC or RUN (engine not running) position and the transmission is in PARK, the system will automatically time out after 30 minutes of inactivity and the ignition will switch to the OFF position.

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

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

- Starting with the ignition in the OFF position,
- Push the ENGINE START/STOP button once to place the ignition to the ACC position (DID will display "ACC"),
- Push the ENGINE START/STOP button a second time to place the ignition to the RUN position (DID will display "ON/RUN"),
- Push the ENGINE START/STOP button a third time to return the ignition to the OFF position (DID will display "OFF").

Extreme Cold Weather (Below -20°F Or -29°C)

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

If Engine Fails To Start

WARNING!

- Never pour fuel or other flammable liquid into the throttle body air inlet opening in an attempt to start the vehicle. This could result in flash fire causing serious personal injury.
- Do not attempt to push or tow your vehicle to get it started. Vehicles equipped with an automatic transmission cannot be started this way. Unburned fuel could enter the catalytic converter and once the engine has started, ignite and damage the converter and vehicle.

(Continued)

WARNING! (Continued)

- If the vehicle has a discharged battery, booster cables may be used to obtain a start from a booster battery or the battery in another vehicle. This type of start can be dangerous if done improperly. Refer to "Jump Starting" in "What To Do In Emergencies" for further information.

Clearing A Flooded Engine (Using ENGINE START/STOP Button)

If the engine fails to start after you have followed the "Normal Starting" or "Extreme Cold Weather" procedures, it may be flooded. To clear any excess fuel:

1. Press and hold the brake pedal.
2. Press the accelerator pedal all the way to the floor and hold it.

3. Push and release the ENGINE START/STOP button once.

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

After Starting

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

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:

- 3.6L Engine — Coiled and strapped to the engine oil dipstick tube.
- 5.7L Engine — Bundled and fastened to the injector harness.

WARNING!

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

AUTOMATIC TRANSMISSION**WARNING!**

- It is dangerous to shift out of PARK or NEUTRAL if the engine speed is higher than idle speed. If

(Continued)

WARNING! (Continued)

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 apply the parking brake, shift the transmission into PARK, and make sure the keyless ignition node is in the "OFF" mode. Remove the Key Fob from the vehicle, and lock the vehicle. When the ignition is in the OFF mode, the transmission is locked in PARK, securing the vehicle against unwanted movement.

(Continued)

WARNING! *(Continued)*

- 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.

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

Key Ignition Park Interlock

This vehicle is equipped with a Key Ignition Park Interlock which requires the transmission to be in PARK before the engine can be turned off. This helps the driver avoid inadvertently leaving the vehicle without placing the transmission in PARK.

This system also locks the transmission in PARK whenever the ignition switch is in the OFF position.

Brake/Transmission Shift Interlock System

This vehicle is equipped with a Brake Transmission Shift Interlock System (BTSI) that holds the shift lever in PARK unless the brakes are applied. To shift the transmission out of PARK, the engine must be running and the brake pedal must be pressed.

The brake pedal must also be pressed to shift from NEUTRAL into DRIVE or REVERSE when the vehicle is stopped or moving at low speeds.

Fuel Economy (ECO) Mode

The Fuel Economy (ECO) mode can improve the vehicle's overall fuel economy during normal driving conditions. To disable ECO mode, push the "ECO" switch in the center stack of the instrument panel and the amber light will go out indicating ECO mode is disabled.



Fuel Economy Mode Switch

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 torque converter clutch may engage at lower engine speeds and remain on longer.
- The overall driving performance will be more conservative.
- Vehicles with Quadra-Lift air suspension will operate in "Aero" mode over a broader speed range. Refer to "Quadra-Lift" in "Starting and Operating" for further information.
- Some ECO mode functions may be temporarily inhibited based on temperature and other factors.

Active Noise Cancellation — Summit Models Only

Your vehicle is equipped with an Active Noise Cancellation System. This system uses four microphones embedded in the headliner to detect undesirable exhaust noise. An onboard frequency generator creates counteracting sound waves through the audio system to help keep the vehicle quiet.

Eight-Speed Automatic Transmission

The electronic shift lever in this vehicle does not slide like a conventional shifter. Instead, the shift lever is spring loaded and moves forward and rearward, always returning to the center position after each gear is selected. The transmission gear (PRND) is displayed both on the shift lever and in the Driver Information Display (DID). To select a gear range, press the lock button on the shift lever and move the lever rearward or forward. You must also press the brake pedal to shift the transmission out of

PARK, or to shift from NEUTRAL into DRIVE or REVERSE when the vehicle is stopped or moving at low speeds (refer to “Brake/Transmission Shift Interlock System” in this section). To shift past multiple gear ranges at once (such as PARK to DRIVE), move the lever past the first (or second) detent. Select the DRIVE range for normal driving.

The electronically-controlled transmission provides a precise shift schedule. The transmission electronics are self-calibrating; therefore, the first few shifts on a new vehicle may be somewhat abrupt. This is a normal condition, and precision shifts will develop within a few hundred miles (kilometers).

Only shift from DRIVE to PARK or REVERSE when the accelerator pedal is released and the vehicle is stopped. Be sure to keep your foot on the brake pedal when shifting between these gears.

The transmission shift lever provides PARK, REVERSE, NEUTRAL, DRIVE and SPORT shift positions. Once in the DRIVE range, tapping the shift lever rearward will toggle between SPORT mode and DRIVE mode. You do not need to push the shift lever button when toggling between DRIVE and SPORT modes. Manual shifts can be made using the shift paddles mounted on the steering wheel. Pressing the shift paddles (-/+) while in the DRIVE or SPORT position will manually select the transmission gear, and will display the current gear in the instrument cluster. Refer to “Paddle Shift Mode” in this section for further information.



Shift Lever

Gear Ranges

DO NOT race the engine when shifting from PARK or NEUTRAL into another gear range.

NOTE: After selecting any gear range, wait a moment to allow the selected gear to engage before accelerating. This is especially important when the engine is cold.

PARK (P)

This range supplements the parking brake by locking the transmission. The engine can be started in this range. Never attempt to use PARK while the vehicle is in motion. Apply the parking brake when leaving the vehicle in this range.

When parking on a level surface, you may shift the transmission into PARK first, and then apply the parking brake.

When parking on a hill, apply the parking brake before shifting the transmission to PARK. As an added precaution, turn the front wheels toward the curb on a downhill grade and away from the curb on an uphill grade.

NOTE: On four-wheel drive vehicles be sure that the transfer case is in a drive position.

WARNING!

- Never use the PARK position as a substitute for the parking brake. Always apply the parking brake fully when parked 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 leaving the vehicle.
- 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

(Continued)

WARNING! (Continued)

- 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 apply the parking brake, shift the transmission into PARK, turn the engine OFF, and remove the Key Fob. When the ignition is in the OFF mode, the transmission is locked in PARK, securing the vehicle against unwanted movement.

(Continued)

WARNING! (Continued)

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

CAUTION!

- **DO NOT** race the engine when shifting from PARK or NEUTRAL into another gear range, as this can damage the drivetrain.
- Before moving the shift lever out of PARK, you must start the engine, and also press the brake pedal. Otherwise, damage to the shift lever could result.

The following indicators should be used to ensure that you have engaged the transmission into the PARK position:

- When shifting into PARK, press the lock button on the shift lever and push the lever all the way forward until it stops. When released, the lever will return to the center position.

- With brake pedal released, look at the transmission gear position display and verify that it indicates the PARK position (P).

REVERSE (R)

This range is for moving the vehicle backward. Shift into REVERSE only after the vehicle has come to a complete stop.

NEUTRAL (N)

Use this range when the vehicle is standing for prolonged periods with the engine running. Apply the parking brake and shift the transmission into PARK if you must leave the vehicle.

WARNING!

Do not coast in NEUTRAL and never turn off the ignition to coast down a hill. These are unsafe practices that limit your response to changing traffic or road conditions. You might lose control of the vehicle and have a collision.

CAUTION!

Towing the vehicle, coasting, or driving for any other reason with the transmission in NEUTRAL can cause severe transmission damage. Refer to "Recreational Towing" in "Starting And Operating" and "Towing A Disabled Vehicle" in "What To Do In Emergencies" for further information.

DRIVE (D)

This range should be used for most city and highway driving. It provides the smoothest upshifts and downshifts, and the best fuel economy. The transmission automatically upshifts through all forward gears. The DRIVE position provides optimum driving characteristics under all normal operating conditions.

When frequent transmission shifting occurs (such as when operating the vehicle under heavy loading conditions, in hilly terrain, traveling into strong head winds, or while towing heavy trailers), use the Paddle Shift switches (refer to "Paddle Shift Mode" in this section for further information) to select a lower gear. Under these conditions, using a lower gear will improve performance and extend transmission life by reducing excessive shifting and heat buildup.

During extremely cold temperatures (-22°F [-30°C] or below), transmission operation may be modified depending on engine and transmission temperature as well as vehicle speed. Normal operation will resume once the transmission temperature has risen to a suitable level.

SPORT (S)

This mode alters the transmission's automatic shift schedule for sportier driving. Upshift speeds are increased to make full use of available engine power. To switch between DRIVE and SPORT modes, tap the shift lever rearward. SPORT mode is only accessible from DRIVE.

NOTE: When Sport Mode is enabled, vehicles with the Quadra-Lift™ air suspension system will operate in "Aero" Mode. Please refer to "Quadra-Lift™" in "Starting and Operating" for further information.

Transmission Limp Home Mode

Transmission function is monitored electronically for abnormal conditions. If a condition is detected that could result in transmission damage, Transmission Limp Home Mode is activated. In this mode, the transmission may operate only in certain gears, or may not shift at all. Vehicle performance may be severely degraded and the engine may stall. In some situations, the transmission may not re-engage if the engine is turned off and restarted. The Malfunction Indicator Light (MIL) may be illuminated. A message in the instrument cluster will inform the driver of the more serious conditions, and indicate what actions may be necessary.

In the event of a momentary problem, the transmission can be reset to regain all forward gears by performing the following steps:

NOTE: In cases where the instrument cluster message indicates the transmission may not re-engage after engine shutdown, perform this procedure only in a desired location (preferably, at your authorized dealer).

1. Stop the vehicle.
2. Shift the transmission into PARK, if possible. If not, shift the transmission to NEUTRAL.
3. Turn the ignition switch to the OFF position. On vehicles with Keyless Enter-N-Go™, push and hold the ignition switch until the engine turns OFF.
4. Wait approximately 30 seconds.
5. Restart the engine.
6. Shift into the desired gear range. If the problem is no longer detected, the transmission will return to normal operation.

NOTE: Even if the transmission can be reset, we recommend that you visit your authorized dealer at your earliest possible convenience. Your authorized dealer has diagnostic equipment to determine if the problem could recur.

If the transmission cannot be reset, authorized dealer service is required.

Paddle Shift Mode

Paddle Shift mode is a driver-interactive transmission feature providing manual shift control, giving you more control of the vehicle. Paddle Shift allows you to maximize engine braking, eliminate undesirable upshifts and downshifts, and improve overall vehicle performance. This system can also provide you with more control during passing, city driving, cold slippery conditions, mountain driving, trailer towing, and many other situations.

Operation

When the transmission is in DRIVE or SPORT mode, it will operate automatically, shifting between the eight available gears. To activate Paddle Shift mode, simply tap one of the steering wheel-mounted shift paddles (+/-) while in DRIVE or SPORT mode. Tapping (-) to enter Paddle Shift mode will downshift the transmission to the next lower gear, while using (+) to enter Paddle Shift mode will retain the current gear. When Paddle Shift mode is active, the current transmission gear is displayed in the instrument cluster.

In Paddle Shift mode, the transmission will shift up or down when (+/-) is manually selected by the driver, unless an engine lugging or overspeed condition would result. It will remain in the selected gear until another upshift or downshift is chosen, except as described below.

- The transmission will automatically downshift as the vehicle slows (to prevent engine lugging) and will display the current gear.
 - The transmission will automatically downshift to first gear when coming to a stop. After a stop, the driver should manually upshift (+) the transmission as the vehicle is accelerated.
 - You can start out, from a stop, in first or second gear (or third gear, in 4LO range, Snow mode, or Sand mode). Tapping (+) (at a stop) will allow starting in second gear. Starting out in second gear can be helpful in snowy or icy conditions.
 - If a requested downshift would cause the engine to over-speed, that shift will not occur.
 - The system will ignore attempts to upshift at too low of a vehicle speed.
- Holding the (-) paddle depressed will downshift the transmission to the lowest gear possible at the current speed.
 - Transmission shifting will be more noticeable when Paddle Shift mode is enabled.
 - The system may revert to automatic shift mode if a fault or overheat condition is detected.

NOTE: When Selec-Speed or Hill Descent Control is enabled, Paddle Shift mode is not active. Pushing the (+/-) shift paddles in Selec-Speed or Hill Descent Control simply limits the highest allowed gear. Shifts below and up to that gear will occur automatically.

To disengage Paddle Shift mode, push and hold the (+) shift paddle until "D" or "S" is once again indicated in the instrument cluster. You can shift in or out of Paddle Shift mode at any time without taking your foot off the accelerator pedal.

WARNING!

Do not downshift for additional engine braking on a slippery surface. The drive wheels could lose their grip and the vehicle could skid, causing a collision or personal injury.

FOUR-WHEEL DRIVE OPERATION**Quadra-Trac I® Operating Instructions/
Precautions — If Equipped**

The Quadra-Trac I® is a single-speed (HI range only) transfer case, which provides convenient full-time four-wheel drive. No driver interaction is required. The Brake Traction Control (BTC) System, which combines standard ABS and Traction Control, provides resistance to any wheel that is slipping to allow additional torque transfer to wheels with traction.

NOTE: The Quadra-Trac I® system is not appropriate for conditions where 4WD LOW range is recommended. Refer to “Off-Road Driving Tips” in “Starting and Operating” for further information.

**Quadra-Trac II® Operating Instructions/
Precautions — If Equipped**

The Quadra-Trac II® transfer case is fully automatic in the normal driving 4WD AUTO mode. The Quadra-Trac II® transfer case provides three mode positions:

- 4WD HI
- NEUTRAL
- 4WD LOW

This transfer case is fully automatic in the 4WD HI mode. When additional traction is required, the 4WD LOW position can be used to lock the front and rear driveshafts together and force the front and rear wheels to rotate at

the same speed. The 4WD LOW position is intended for loose, slippery road surfaces only. Driving in the 4WD LOW position on dry, hard-surfaced roads may cause increased tire wear and damage to driveline components.

When operating your vehicle in 4WD LOW, the engine speed is approximately three times that of the 4WD HI position at a given road speed. Take care not to overspeed the engine and do not exceed 25 mph (40 km/h).

Proper operation of four-wheel drive vehicles depends on tires of equal size, type, and circumference on each wheel. Any difference will adversely affect shifting and cause damage to the transfer case.

Because four-wheel drive provides improved traction, there is a tendency to exceed safe turning and stopping speeds. Do not go faster than road conditions permit.

WARNING!

You or others could be injured or killed if you leave the vehicle unattended with the transfer case in the NEUTRAL position without first fully engaging the parking brake. The transfer case NEUTRAL position disengages both the front and rear drive shafts from the powertrain and will allow the vehicle to roll, even if the transmission is in PARK. The parking brake should always be applied when the driver is not in the vehicle.

Shift Positions

For additional information on the appropriate use of each 4WD system mode position, see the information below:

4WD AUTO

This range is used on surfaces such as ice, snow, gravel, sand, and dry hard pavement.

apparent, and/or the system is not functioning as anticipated. Coordinate inspection efforts through an authorized dealer.

CAUTION!

Do not use chemical flushes in your power steering system as the chemicals can damage your power steering components. Such damage is not covered by the New Vehicle Limited Warranty.

WARNING!

Fluid level should be checked on a level surface and with the engine off to prevent injury from moving parts and to ensure accurate fluid level reading. Do not overfill. Use only manufacturer's recommended power steering fluid.

If necessary, add fluid to restore to the proper indicated level. With a clean cloth, wipe any spilled fluid from all surfaces. Refer to "Fluids, Lubricants, And Genuine Parts" in "Maintaining Your Vehicle" for further information.

**FUEL SAVER TECHNOLOGY 5.7L ENGINE 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 or additional driving skills required.

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

PARKING BRAKE

Before leaving the vehicle, make sure that the parking brake is fully applied and place the shift lever in the PARK position.

The foot operated parking brake is located below the lower left corner of the instrument panel. To apply the park brake, firmly push the park brake pedal fully. To release the parking brake, press the park brake pedal a second time and let your foot up as you feel the brake disengage.



Parking Brake

When the parking brake is applied with the ignition switch in the ON position, the “Brake” Warning Light in the instrument cluster will illuminate.

NOTE:

- When the parking brake is applied and the transmission is placed in gear, the “Brake” Warning Light will flash. If vehicle speed is detected, a chime will sound to alert the driver. Fully release the parking brake before attempting to move the vehicle.
- This light only shows that the parking brake is applied. It does not show the degree of brake application.

When parking on a hill, it is important to turn the front wheels toward the curb on a downhill grade and away from the curb on an uphill grade. Apply the parking brake before placing the shift lever in PARK, otherwise the load on the transmission locking mechanism may

make it difficult to move the shift lever out of PARK. The parking brake should always be applied whenever the driver is not in the vehicle.

WARNING!

- Never use the PARK position as a substitute for the parking brake. Always apply the parking brake fully when parked to guard against vehicle movement and possible injury or damage.
- When leaving the vehicle, always remove the Key Fob from the ignition and lock your vehicle.
- Never leave children alone in a vehicle, or with access to an unlocked vehicle. Allowing children to be in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Children should be warned not to touch the parking brake, brake pedal or the shift lever.

(Continued)

WARNING! (Continued)

- When leaving the vehicle, always make sure the keyless ignition node is in the "OFF" mode, remove the Key Fob from the vehicle and lock the vehicle.
- Do not leave the Key Fob in or near the vehicle or in a location accessible to children, and do not leave the ignition of a vehicle equipped with Keyless Enter-N-Go™ in the ACC or ON/RUN mode. A child could operate power windows, other controls, or move the vehicle.
- Be sure the parking brake is fully disengaged before driving; failure to do so can lead to brake failure and a collision.
- Always fully apply the parking brake when leaving your vehicle, or it may roll and cause damage or injury. Also be certain to leave the transmission in PARK. Failure to do so may allow the vehicle to roll and cause damage or injury.

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OPERATING YOUR VEHICLE

ELECTRONIC SHIFTER

Your vehicle is equipped with a fuel efficient 8 speed transmission. The electronic shift lever in this vehicle does not slide like a conventional shifter. Instead, the shift lever is spring loaded and moves forward and rearward, always returning to the center position after each gear is selected.

The transmission gear (PRND) is displayed both on the shift lever and in the Driver Information Display (DID).

Shifting From PARK To DRIVE

- Firmly depress the brake pedal, press the lock button on the shift lever, then pull and hold the shift lever fully rearward until "D" is displayed in the DID.
- To shift back into PARK from DRIVE, bring the vehicle to a complete stop, fully depress the brake pedal, press the lock button on the shift lever, then push and hold the shift lever fully forward until "P" is displayed in the DID.



Transmission Shift Lever

Shifting From REVERSE To NEUTRAL

- Pull the shift lever rearward to the first detent and release. "N" will display in the DID.
- To shift back into REVERSE from NEUTRAL, firmly depress the brake pedal, press the lock button on the shift lever, then push the shift lever forward to the first detent and release. "R" will display in the DID.

1 — Lock Button

2 — Transmission Shift Lever

Shifting From NEUTRAL To DRIVE

- Firmly depress the brake pedal, press the lock button on the shift lever, then pull the shift lever rearward and release. "D" will display in the DID.
- To shift back into NEUTRAL from DRIVE, firmly depress the brake pedal, press the lock button on the shift lever, then push the shift lever forward and release. "N" will display in the DID.

Shifting From REVERSE To DRIVE

- Bring the vehicle to a complete stop, firmly depress the brake pedal, then pull the shift lever rearward and release when "D" is displayed in the DID.
- To shift back into REVERSE from DRIVE, bring the vehicle to a complete stop, firmly depress the brake pedal, press the lock button on the shift lever, then push the shift lever forward and release when "R" is displayed in the DID.

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Tip Card

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Jeep

Electronic Shifter Quick Reference Information

Congratulations on your
new purchase!

Your new vehicle is equipped
with a state of the art, fuel
efficient 8 speed transmission
and electronic gear shift lever.



- The transmission gears (PRNDL) are illuminated on the shift lever
- When the vehicle is stopped, in either **NEUTRAL "N"** or **PARK "P"**, you must depress the brake pedal, press the lock button on the shift lever, and either push or pull the shifter to the desired gear.



- The electronic shift lever in this vehicle does not slide like a conventional shifter. Instead, the shift lever is spring loaded and moves forward or rearward, always returning to the center position after desired gear is selected.
- You may find moving the lever to shift requires less effort, and travels a shorter distance than other shifters with which you are familiar.
- When shifting from **DRIVE "D"** to **SPORT "S"** (if so equipped), pull the shift lever rearward and release. To return back to **DRIVE "D"**, simply pull the lever rearward once more and release.



For more details, please consult your owner's information.

FOR CUSTOMER REMOVAL ONLY



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E-Shifter

First Edition
Tips Card

Jeep

Fiche de référence rapide du levier sélecteur électronique

Félicitations pour votre
nouvel achat!

Votre nouveau véhicule est
équipé d'une boîte de vitesses
à huit rapports éconergétique
et d'un levier sélecteur
électronique à la fine pointe de
la technologie.



- Lorsque le véhicule est immobilisé, soit dans la position « **N** » (point mort) ou la position « **P** » (stationnement), vous devez enfoncer la pédale de frein, appuyer sur le bouton de verrouillage du levier sélecteur, puis pousser ou tirer le levier sélecteur au rapport voulu.



- Le levier sélecteur électronique dans ce véhicule ne coulisse pas comme un levier sélecteur conventionnel. Il est muni d'un mécanisme à ressort et se déplace vers l'avant et vers l'arrière, puis revient toujours à la position centrale après la sélection du rapport voulu.
- Lorsque vous déplacez le levier sélecteur, vous pouvez remarquer que l'effort requis est moindre et que la distance de déplacement est plus courte par rapport aux leviers sélecteurs que vous avez déjà utilisés.
- Lorsque vous déplacez le levier sélecteur de la position marche avant « **D** » à la position sport « **S** » (selon l'équipement), tirez le levier sélecteur vers l'arrière et relâchez-le. Pour revenir à la position « **D** » (marche avant), tirez simplement le levier sélecteur de nouveau et relâchez-le.



Pour plus d'information, consultez les renseignements à l'intention de l'automobiliste.

POUR ÊTRE RETIRÉ PAR L'UTILISATEUR SEULEMENT

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Lever sélecteur
électronique
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