

## 2016 Jeep® Grand Cherokee / Grand Cherokee SRT OVERVIEW

### FCA Canada: 2016 Jeep® Grand Cherokee; Fuel Economy Improvements to the Most Awarded SUV Ever

- All gas V6 and 5.7-litre V8 Jeep® Grand Cherokee models will receive improved fuel efficiency for 2016
- Pentastar™ 3.6-litre V6 in Jeep Grand Cherokee adds Engine Stop/Start (ESS) technology to improve fuel economy and efficiency
- New 3.6-litre V6 technology for 2016 includes cooled Exhaust-Gas Recirculation (EGR), advanced two-step variable valve lift (VVL) system and upgraded variable-valve timing (VVT) system
- Pentastar 3.6-litre V6 in Jeep Grand Cherokee is now rated up to 295 horsepower (hp)
- 2016 Jeep Grand Cherokee 3.0-litre EcoDiesel, 3.6-litre and 5.7-litre models receive electric power steering with customizable settings, decreased tire rolling resistance and weight reductions with aluminum suspension components
- Further updates for 2016 include a new polystable shifter on all models
- New Ivory Tri-coat paint colour available on Overland, Summit and SRT models
- Ultimate performance Grand Cherokee SRT returns with newly-designed instrument panel gauge cluster, all-new drive modes, revised SRT Performance Pages and weight reductions with aluminum suspension components
- Award-winning 3.0-litre EcoDiesel V6 engine and 8-speed automatic transmission continues to deliver best-in-class 8.4 L/100 km (34 mpg) highway rating, driving range of 1,100 km<sup>1</sup>
- Grand Cherokee boasts best-in-class towing of 7,200 lb.

Jeep® Grand Cherokee – the most awarded SUV ever and the vehicle that has long defined what a premium SUV should be – gets even better for 2016.

For 2016, all gas V6 and 5.7-litre V8 Grand Cherokee models will receive improved fuel efficiency due to electric power steering, decreased tire rolling resistance and weight reductions with aluminum suspension.

Also new for 2016, the Pentastar™ 3.6-litre V6 engine in the Grand Cherokee adds Engine Stop/Start (ESS) to improve fuel economy and efficiency. The 3.6-litre Pentastar V6 engine in Jeep Grand Cherokee receives a bump in hp for 2016, increasing output up to 295.

New Pentastar technology for 2016 also includes cooled Exhaust-Gas Recirculation (EGR), advanced two-step Variable Valve Lift (VVL) system and an upgraded variable-valve timing (VVT) system that reduces pumping losses and improves combustion.

In addition, Grand Cherokee also features a new polystable shifter on all models, and Ivory Tri-coat exterior colour for Overland, Summit and SRT models.

The 2016 Jeep Grand Cherokee delivers consumers an unprecedented combination of best-in-class fuel economy and driving range, a choice of leading powertrain options, available clean-diesel technology, legendary benchmark capability, world-class craftsmanship, premium on-road driving dynamics, and a host of advanced user-friendly technology and safety features.

Jeep Grand Cherokee delivers a best-in-class 8.4 L/100 km (34 mpg) highway courtesy of an available 3.0-litre EcoDiesel V6 engine and standard 8-speed transmission, and best-in-class towing of 7,200 lb. The 3.0-litre EcoDiesel V6 boasts an unmatched driving range of 1,100 km<sup>1</sup>.

Legendary Jeep capability comes courtesy of four available 4x4 systems, Jeep's Quadra-Lift® air suspension system and class-leading Selec-Terrain® traction management system. In addition, Grand Cherokee may also be flat-towed when equipped with Quadra-Trac II® or Quadra-Drive II® systems.

The 2016 Jeep Grand Cherokee is available in Laredo, Limited, Overland, Summit and SRT models. Grand Cherokee offers more than 70 safety and security features as well as an array of advanced user-friendly technology features, such as the award-winning Uconnect 8.4-inch touchscreen radio with integrated climate and infotainment controls, hands-free communication with Bluetooth® streaming audio and a 7-inch full-colour customizable in-cluster display centre.

### **Jeep Grand Cherokee powertrain: Fuel efficiency gains for gas-powered models**

New for 2016, the Pentastar 3.6-litre V6 engine adds Engine Stop/Start (ESS) technology to improve fuel efficiency of the V6 powered Grand Cherokee. ESS technology increases fuel efficiency by shutting the engine off when the vehicle comes to a complete stop. Amenities (radio, gauges, heating or air conditioning, etc.) continue to operate, making the operation transparent to the driver. The engine restarts automatically when the driver releases the brake, allowing seamless acceleration. ESS is activated automatically and requires no input from the driver. A system disable switch is located on the dash if the operator wishes to suspend the feature.

New 3.6-litre V6 technology for 2016 includes cooled Exhaust-Gas Recirculation (EGR), advanced two-step variable valve lift (VVL) system and an upgraded variable-valve timing (VVT) system.

Featuring VVT, the standard Pentastar 3.6-litre V6-powered Grand Cherokee models tow up to 2,812 kg (6,200 lb.) and a driving range of up to 950 km<sup>1</sup> – best-in-class for gas-powered SUVs.

In addition, 2016 Jeep Grand Cherokee gas V6 and 5.7-litre V8 models will receive improved fuel efficiency due to electric power steering, decreased tire rolling resistance and weight reductions with aluminum suspension components.

The available 5.7-litre V8 packs 360 hp and 390 lb.-ft. of torque with a best-in-class towing capacity of 3,266 kg (7,200 lb.).

All of Jeep Grand Cherokee's engines are mated to an 8-speed automatic transmission. In addition to enhancing fuel economy, the robust and durable 8-speed transmission delivers quick acceleration and precise, smooth shifting, enhancing ride quality to luxury car levels. An additional benefit is a low crawl ratio of 44.1:1 to aid in climbing over – or through – tough obstacles, when equipped with a two-speed transfer case.

New for 2016, drivers may choose to leave steering wheel paddle shifters “on” or “off” via their radio touch screen display. Steering wheel paddle shifters offer improved driver control both on- and off-road, including Electronic Range Select when using Selec-Speed Control in extreme off-road situations.

Another contributor to Grand Cherokee's fuel economy is Eco Mode, which optimizes the transmission's shift schedule and, in V8 models, Fuel Saver cylinder deactivation technology. A button on the centre stack allows driver's to disengage Eco Mode if more spirited performance is desired.

### **Legendary Jeep Capability**

The 2016 Jeep Grand Cherokee features four available 4x4 systems (Quadra-Trac I<sup>®</sup>, Quadra-Trac II, Quadra-Drive II and Quadra-Trac SRT<sup>®</sup>) an available Quadra-Lift air suspension and a Selec-Terrain (Selec-Track<sup>®</sup> on SRT models) traction management system, all of which instill Grand Cherokee with its legendary Jeep capability.

Quadra-Trac I features a single-speed transfer case with full-time four-wheel drive without any switches or levers to pull.

The Quadra-Trac II's two-speed transfer case uses input from a variety of sensors to determine tire slip at the earliest possible moment and takes corrective action. When wheel slippage is detected, as much as 100 per cent of available torque is instantly routed to the axle with the most traction.

Quadra-Drive II, with a rear Electronic Limited-slip Differential (ELSD), delivers industry-leading traction capability. The system instantly detects tire slip and smoothly distributes engine torque to tires with traction. In some cases, the vehicle will anticipate low traction and adjust in order to proactively limit or eliminate slip.

The Quadra-Trac SRT uses a full-time SRT 4x4 system for superior driving performance in any condition. The transfer case is the strongest ever designed by the Jeep brand, equipped to handle the massive amounts of hp and torque produced by the 6.4L V8 engine. The 4x4 system features a massive mechanical "wet" clutch and Electronic Limited Slip Differential in the rear, which allows 100 per cent of the available torque to be sent to one rear wheel. Managing of torque split and suspension damping is accomplished with a dial on the five-mode Selec-Track system.

New for 2016 Grand Cherokee are 18-inch Goodyear All-Terrain Adventure tires for optimal traction, included with Off-road groups.

#### Quadra-Lift air suspension system

The 2016 Jeep Grand Cherokee rises above the road and rocks with the rugged, class-exclusive Quadra-Lift air suspension system. The Quadra-Lift system features five height settings for optimum ride performance:

- Normal Ride Height (NRH): 208 mm (8.2 inches) of clearance offers improved fuel economy as well as improved aerodynamics during on-road driving
- Off-road 1: Lifts the vehicle an additional 28 mm (1.1 inches) from NRH for added height in clearing obstacles (236 mm / 9.3 inches)
- Off-road 2: Delivers legendary Jeep off-road capability and provides an additional 56 mm (2.2 in) from NRH for up to 274 mm (10.8 inches) of ground clearance and up to 508 mm (20 in) of water fording depth
- Park Mode: Lowers the vehicle 40 mm (1.6 inches) from NRH for easy ingress/egress. NRH and Park Mode are driver selectable allowing the driver full control over vehicle ride height
- Aero Mode: Lowers the vehicle 15 mm (0.6 inches) from NRH. Aero Mode is controlled by vehicle speed and adjusts for optimal performance and fuel economy. The vehicle will also lower to Aero Mode when in Sport Mode

Quadra-Lift adds up to 96 mm (3.8 inches) of lift span supported by four-corner air springs that provide a cushioned, premium ride. Quadra-Lift operates automatically, or may be controlled manually with console controls.

With the front air dam removed (N/A on Summit) and the available Quadra-Lift air suspension, the 2016 Jeep Grand Cherokee features a 36.1-degree approach angle, a 27.1-degree departure angle and 22.8-degree breakover angle.

### Selec-Terrain

In addition to the Quadra-Lift air suspension, the Grand Cherokee's class-leading Selec-Terrain traction control system allows customers to choose the on- and off-road setting for optimum performance. This feature electronically coordinates up to 12 different powertrain, braking and suspension systems, including throttle control, transmission shift, transfer case, Hill-descent Control and Selec-Speed Control.

The Selec-Terrain system offers five different driving conditions to achieve the best driving experience on all terrains: Sand, Mud, Auto, Snow and Rock.

Sport Mode which provides enhanced on-road "fun-to-drive" capability, is engaged with a new-for-2016 Sport Mode button on the centre stack.

Selec-Speed Control with Hill-ascent and Hill-descent Control allows drivers to control Grand Cherokee's speed both up and down steep, rugged grades with the steering wheel paddle shifters – without the need for throttle or brake pedals. Unique to its segment, Grand Cherokee Hill-descent Control also works when the vehicle is in reverse.

### **Jeep Trail Rated®**

All 2016 Jeep Grand Cherokee models equipped with Off-road groups are Trail Rated. The Jeep Trail Rated badge on the Jeep Grand Cherokee indicates that the vehicle is designed to perform in a variety of challenging off-road conditions, identified by five key consumer-oriented capability categories: traction, ground clearance, manoeuvrability, articulation and water fording.

### **Exterior and interior design**

All trim levels of the 2016 Jeep Grand Cherokee have a premium look, while simultaneously making each trim level readily identifiable at a glance. Key exterior features include front and rear LED lighting that allow Grand Cherokee to be instantly recognizable, night or day, from a great distance. Standard on Overland and Summit and available on Limited are bi-xenon high-intensity discharge (HID) headlamps (adaptive on Summit) that are outlined with signature LED running lamps.

Of course, Grand Cherokee retains Jeep's classic seven-slot grille and trapezoidal wheel arches.

The front and rear of the 2016 Jeep Grand Cherokee features unique lower fascias for every trim level and a large, aerodynamic rear spoiler.

The interior of the Jeep Grand Cherokee is clearly one of the most technically advanced, well-crafted interiors in the industry. Immediately noticeable is the Uconnect 5-inch or 8.4-inch touchscreen. Controls for radio and climate are found below the screen and have easily identifiable knobs and buttons. Following the centre stack down onto the centre console reveals a new leather-wrapped polystable shifter for the 8-speed transmission.

Wrapped in leather, the three-spoke steering wheel features sections of wood on Overland and Summit models. All Grand Cherokee models include standard paddle shifters mounted on the back of the steering wheel. The steering wheel is designed and positioned to provide optimal view of the gauge cluster that features a 7-inch, full-colour, customizable in-cluster display. This screen allows drivers to select from a multitude of layout and vehicle information to be shown in the centre of the gauge cluster.

Laredo and Limited models feature dark wood trim on the dash and doors. Door handle and dash vent bezels, as well as the trim on the centre console, feature a slight gold hue to their brushed aluminum look. Premium cloth seating is standard on Laredo while Capri leather seating is standard in Limited.

Overland models have several touches like standard Nappa leather seats, stitched-leather instrument panel and available open-pore wood, which add a distinct touch of modern luxury. Wood trim is also found on the top portion of the leather-wrapped steering wheel. Rear-seat footwell and rear door-pocket ambient lighting highlight the Grand Cherokee's interior design at night.

Grand Cherokee Summit models continue to carry the torch for premium interiors in the SUV segment. Premium Natura-Plus leather seating with heated, ventilated and memory front seats, open-pore wood trim and Copper accents are available on Summit in Black or Jeep Brown. Returning for 2016 is the Tan interior with black-accent stitching. Also unique to Summit is a premium suede-like material covering the A-pillars and headliner.

Another impressive feature found on Summit, and available on SRT and Overland models, is a 19-speaker, 825-watt high-performance Harman Kardon surround sound audio system. This state-of-the-art system features a 12-channel amplifier, three sub-woofers and surrounds the occupants in high-definition sound. Grand Cherokee Summit and SRT models feature specially-tuned Noise Cancelling Technology.

Overland and Summit models include a CommandView® dual-pane panoramic sunroof that features a power sunshade (available on Limited and SRT). Laredo and Limited models also feature an available single-pane sunroof.

For added passenger comfort, rear seats recline 12 degrees. There is also a 12 degree forward angle to allow 24 degrees of variation.

Cargo volume behind the second row measures 1,028 litres (36.3 cu. ft.) and includes a storage unit with grocery hooks on both sides. With the rear seats folded, there is 1,934 litres (68.3 cu. ft.) of cargo capacity available. Under the cargo floor, the spare tire compartment includes removable dual storage bins for secure storage of muddy gear or other items.

### Technology

The 2016 Jeep Grand Cherokee delivers customers an array of innovative advanced technologies for driver safety and passenger enjoyment.

For 2016, Uconnect is introducing new features that include the all-new Drag and Drop menu bar, Siri Eyes Free, Do Not Disturb and a Vehicle User Guide that can be viewed via the 8.4-inch touchscreen.

- **Drag and Drop Menu Bar:** FCA vehicle owners now have the ability to personalize their touchscreen controls to fit their lifestyle and have one-button access to the features and services they value most. From heated and ventilated seat controls, to SiriusXM Satellite radio and climate control settings, drivers now can simply drag their favourite available feature or service icon from the apps menu and move them to their Uconnect system's main menu bar.
- **Siri Eyes Free:** Via the voice button on the steering wheel and compatible with an Apple iPhone 4s or later, with Siri Eyes Free, drivers can speak natural language voice commands to send text messages, play music, set reminders, place phone calls and access turn-by-turn directions. Driver's will simply push and hold the voice recognition button on the steering wheel until the Siri screen appears on the 8.4-inch touchscreen and hear the audible tones.
- **Do Not Disturb:** Vehicle owners who prefer not be interrupted with phone calls or text messages while driving can choose to turn on the new "Do Not Disturb" and "Reply with Text Message" feature. Located within the Uconnect system's phone screen, once enabled with a push of button or via voice command, the Do Not Disturb icon will route all incoming mobile calls to voicemail and suppress text messages. If the vehicle owner chooses to enable the Do Not Disturb feature, they also have the ability to send a default or customized response once a call or text message is received.

Uconnect's powerful cloud-based voice recognition capability allows customers to keep their hands on the steering wheel and interact with devices easily. The cloud also enables preset voice text response, in addition to one-shot voice commands for navigation and audio controls.

Available on Limited, Overland, Summit and SRT models, a dual-screen Blu-ray® DVD rear-seat entertainment system has a 9-inch screen on each front seat back. Capable of playing Blu-ray and traditional DVDs, each screen also has HDMI and RCA inputs so rear passengers can hook up their favourite gaming systems.

### **Safety and Security: Uncompromising**

The 2016 Jeep Grand Cherokee offers more than 70 advanced safety and security features – highest in its class. They include features like Forward Collision Warning with Active Braking and Selec-Speed Control, Electronic Stability Control (ESC), Electronic Roll Mitigation (ERM), Blind-spot Monitoring with Rear Cross Path detection, Adaptive Cruise Control (ACC), trailer sway control (TSC), front-row active head restraints, standard full-length side-curtain air bags and standard seat-mounted side thorax air bags offer enhanced occupant protection to passengers in the event of a collision.

### **On-road refinement: Premium driving dynamics**

Jeep Grand Cherokee is widely known for its outstanding on-road driving dynamics and quietness, thanks in part to its front and rear independent suspension. The independent front and rear suspension features isolated front and rear suspension cradles along with variable-rate rear springs to deliver improved on-road handling and comfort while complementing the vehicle's legendary off-road capability. The rear suspension also allows the spare tire to be stored inside the vehicle as opposed to underneath. Premium on-road manners are enhanced with more than 5,400 welds in the body alone.

Grand Cherokee's steering also has been carefully calibrated for the right amount of assistance whether cruising the parking lot or a twisty two-lane mountain road. Electric power steering adds new steering options, including Sport, Comfort and Normal.

### **2016 Jeep Grand Cherokee SRT**

The best performing on-road Jeep vehicle ever returns for 2016 with its proven and powerful 6.4-litre V8 with Fuel Saver Technology that delivers 475 hp and 470 lb.-ft. of torque. Performance includes 0-100 km/h acceleration in 4.8 seconds, 0-160-0 km/h in 16.3 seconds, 400 metre (1/4 mile) in the mid-13 second range and a top track speed of 257 km/h.

New inside the 2016 Grand Cherokee SRT is a revised instrument panel gauge cluster that takes on a more enhanced and high-performance look. The 7-inch reconfigurable digital display now features the



tachometer shown in the middle similar to other high performance SRT vehicles, while the speedometer moves to the left side of the cluster.

SRT-exclusive Performance Pages are revised for 2016 with an expanded array of performance timers and gauge readouts, while all-new drive modes allow Grand Cherokee SRT owners the ability to personalize their drive experience whether its on-road or on-track.

The drive modes separately control the all-wheel-drive system, transmission, paddle shifters, stability control, suspension and steering. Drive modes are pre-configured for Auto, Sport, Track, Snow and Tow settings via a mode select switch on the centre console, while the Custom setting lets the driver customize the drive experience to their favourite settings.

- Custom — Allows driver to personalize the vehicle's performance
- Auto — Activates automatically when starting the vehicle
- Sport — Delivers increased vehicle performance capability over the Auto Mode
- Track — Delivers maximum vehicle performance capability on smooth, dry surfaces
- Snow — Delivers optimized snow and ice performance
- Tow — Delivers maximum towing performance
- Eco — Maximizes fuel economy with a revised shift schedule, pedal map and second-gear starts

For added safety and security, the 2016 Grand Cherokee SRT receives a new Valet mode that enables the following vehicle configurations:

- Engine is remapped to significantly reduce hp and torque; limited to 4,000 rpm
- Transmission locks out access to first gear and upshifts 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
- Drive Mode functions are disabled
- Electronic Stability Control (ESC) is enabled to Full-on
- Launch control is disabled

Drivers can activate and deactivate Valet mode with a personalized four-digit PIN code.

The standard massive Brembo brakes on the 2016 Grand Cherokee SRT can be upgraded further with the available high-performance brake package that features two-piece aluminum, high-performance rotors front and rear.

Also new for 2016, Jeep Grand Cherokee SRT's weight is reduced due to aluminum suspension components.

The 8-speed automatic transmission in the Grand Cherokee SRT model is specifically engineered to optimize shift quality and shift points for enhanced fuel economy, performance and drivability. The intelligent software takes into account variables, including engine torque gradients, kick-down events, longitudinal and lateral acceleration, grade changes, friction detection and downshift detection to determine the appropriate shift map.

Standard launch control mimics a professional driver's inputs to optimize Grand Cherokee SRT's performance by bringing engine, transmission, driveline, stability control, and suspension in line for a textbook launch. Controlled by a button behind the new polystable shifter on the centre console, the result is improved and more consistent straight-line acceleration. New for 2016 is the ability to set launch rpm between 1500 and 3500 in 250 rpm increments.

The performance experience of the 2016 Grand Cherokee SRT is further accentuated by transfer case proportioning and dynamic controls for the Selec-Track system when the vehicle is in Track Mode. When this mode is selected, 70 per cent of the engine's torque is delivered to the rear wheels for a more pronounced rear-wheel-drive experience. Grand Cherokee SRT drivers will notice a vehicle that is more responsive from mid-corner to exit.

The Selec-Track system on the Grand Cherokee SRT uses performance-tuned software to distinguish the five dynamic modes: Auto, Sport, Tow, Track, and Snow, enabling drivers to choose a vehicle setting that ideally meets their requirements and ambient conditions. Drivers will find the torque split change in Track mode provides a vehicle that is more responsive from mid-corner to exit and one that delivers faster lap times at their favourite track.

The Grand Cherokee SRT sports its signature, seven-slot upper grille with black screen insert flanked by slimmer, adaptive, bi-xenon headlamps that are surrounded by a signature LED character lamp treatment. The headlamps on the SRT model feature a unique black background to distinguish the vehicle from other 2016 Jeep Grand Cherokee models while further accenting their jewel-like appearance.

The SRT-model exclusive heated three-spoke steering wheel with a flat bottom features a bevy of comfort, convenience and connectivity controls and more pronounced, more ergonomically efficient paddle shifters.

The Grand Cherokee SRT rides on a short- and long-arm (SLA) independent front suspension with coil springs, Bilstein adaptive damping suspension (ADS), upper- and aluminum lower-control arms (“A” arms), aluminum knuckle, aluminum clevis and hollow stabilizer bar. The rear suspension is a multi-link design with coil spring, Bilstein ADS, aluminum lower control arm, independent upper links (tension and camber), plus a separate toe link, and a hollow stabilizer bar.

### Warranty

The 2016 Jeep Grand Cherokee is backed by a 5 year / 100,000 km fully transferable Powertrain Limited Warranty. Basic Warranty coverage is 3 years / 60,000 km.

### Manufacturing

The 2016 Jeep Grand Cherokee and Grand Cherokee SRT are built at the 278,709-square-metre (3-million-square-foot) FCA US LLC Jefferson North Assembly Plant (JNAP) in Detroit, Michigan.

### About FCA Canada

Founded as the Chrysler Corporation in 1925, FCA Canada Inc. is based in Windsor, Ontario, and celebrates its 90th anniversary in 2015. FCA Canada Inc. is a wholly owned subsidiary of FCA US LLC, a member of the Fiat Chrysler Automobiles N.V. (FCA) family of companies. FCA Canada has approximately 440 dealers and markets Chrysler, Jeep, Dodge, Ram and FIAT brands as well as the SRT performance vehicle designation. The company also distributes the Alfa Romeo 4C model and Mopar products. In addition to its assembly facilities, which produce the Chrysler Town & Country, Dodge Grand Caravan (Windsor), Chrysler 300, Dodge Charger and Dodge Challenger (Brampton), FCA Canada operates an aluminum casting plant in Etobicoke, a research and development center in Windsor, and has sales offices and parts distribution centers throughout the country.

FCA, the seventh-largest automaker in the world based on total annual vehicle sales, is an international automotive group. FCA is listed on the New York Stock Exchange under the symbol “FCAU” and on the Mercato Telematico Azionario under the symbol “FCA.”



### Driving range<sup>1</sup>

Driving range based on EnerGuide highway fuel consumption ratings and fuel tank capacity. Your actual driving range will vary based on powertrain, driving habits and other factors. Use for comparison purposes only.