



# Jeep® GRAND CHEROKEE SRT8

Overview

2013 Jeep® Grand Cherokee SRT8®

## OVERVIEW

### Chrysler Canada:

#### 2013 Jeep® Grand Cherokee SRT8: The Ultimate Performance SUV

- Unique blend of legendary Jeep® capability and utility, head-turning SRT performance, luxury and refinement and innovative advanced technologies
- Most powerful Jeep vehicle ever with 6.4-litre HEMI® V8 that delivers 470 horsepower and 465 lb.-ft. of torque
- Best performing Jeep vehicle ever: 0-100 km/h in 4.8 seconds; quarter mile in mid-13 second range; top speed of 257 km/h; 100-0 km/h braking in 35 metres (116 feet)
- Best handling Jeep vehicle ever features advanced adaptive damping suspension managed by Selec-Track™ system, delivering up to .90 g on the skid pad
- Active valve exhaust system allows standard FuelSaver MDS Technology to engage over a wider rpm range for fuel efficiency and 816 kilometres range
- Exclusive SRT leather wrapped and heated steering wheel features mounted paddle shifters for hands on the wheel shifting both on road and at the racetrack
- 19-speaker Harman Kardon audio system, with innovative GreenEdge technology, is available with 825 watts of power

The Jeep® Grand Cherokee SRT8® is the most powerful, technologically advanced, high-performance Jeep® vehicle ever — featuring a combination of Jeep's legendary capability and utility, merged with the renowned advanced performance engineering from Chrysler Group's Street and Racing Technology (SRT) team.

Delivering outstanding driving performance in all conditions, and complemented by key SRT attributes – including functional, performance-oriented styling, world-class ride and handling, benchmark braking and race-inspired interior appointments – the Jeep Grand Cherokee SRT8 runs from 0-100 km/h in 4.8 seconds, 0-160-0 km/h in the mid-16 second range, can cover the quarter mile in the mid-13 second range, has a top speed of 257 km/h, and brakes from 100-0 km/h in 35 metres (116 feet).



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## Awe-inspiring powertrain

Powering the Jeep Grand Cherokee SRT8 is the 6.4L HEMI® V8 with FuelSaver MDS Technology that delivers 470 horsepower and 465 lb.-ft. of torque.

An active intake manifold and high-lift camshaft with cam phasing delivers maximum low-end torque while optimizing high-end power across a wide rpm band. Specifically, 90-per cent of peak torque is available between 2,800 and 6,000 rpm, allowing for inspired standing starts and improved straight-line performance.

Standard FuelSaver MDS Technology and an active valve exhaust system allows four-cylinder operation to engage over a wide rpm range, to deliver both fuel efficiency and an extended range of 816 kilometres on one tank of gas.

Standard steering wheel mounted paddle shifters join the standard Auto/Stick™. Both are mated to a proven automatic transmission, allowing a choice of spirited shifting on the road and the racetrack. Both methods give the driver the ability to shift while the transmission controller calibration prevents situations that might over rev the engine. Fully adaptive electronic control of all shifting makes the powertrain more responsive while minimizing harshness.

## Outstanding ride, handling and capability

In 2011, all Jeep Grand Cherokee models received a vastly improved and refined on-road ride, thanks in part to the vehicle's new body structure. Torsional stiffness was improved 146 per cent versus the previous generation model for improved ride, durability and reduced noise, vibration and harshness. The improvements were achieved with more than 5,400 welds in the body alone, marking a 53-per cent increase in spot welds, a 42-per cent increase in arc welds and a 38-per cent increase in structural adhesive.

The Jeep Grand Cherokee SRT8 is the best handling Jeep vehicle ever – capable of .90 g on the skid pad – features a SRT-tuned, adaptive damping suspension managed by the Jeep Selec-Track system that interacts with several different systems (stability control, adaptive damping, transmission shift strategy, transfer case torque proportioning, Electronic Limited Slip Differential performance, throttle control and cylinder de-activation) to automatically tune the dynamics of the vehicle. Drivers can manually choose between five dynamic modes for specific driving conditions:

- Auto: provides the most compliant ride and automatically adapts to any road situation using the adaptive suspension tuning
- Sport: provides enhanced body control for a sporty, fun-to-drive ride for the street
- Tow: provides a safe reduction in pitch and bounce for enhanced towing capability



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- Track: provides the high-performance, firm, “track-tuned” suspension option to lock down body motion for the ultimate handling experience
- Snow: provides the most conservative dynamic mode, so the vehicle will safely stay in-line in inclement winter weather conditions

The standard Jeep Quadra-Trac™ SRT active on-demand four-wheel-drive transfer case uses input from a variety of sensors in order to determine tire slip at the earliest possible moment and take corrective action. The system uses Throttle Anticipate to sense quick movement in the throttle from a stop and maximizes traction before slippage occurs. When tire slippage is detected, the Jeep 4x4 system can transfer up to 100 per cent of available torque to one rear wheel.

The transfer case also enhances handling by proportioning torque between the front and rear axles to maintain the driver’s intended path. The Jeep Grand Cherokee SRT8 also features an Electronic Limited Slip Differential, which eliminates rear wheel slip and improves handling.

The performance-tuned, fully hydraulic steering system uses a heavy-duty pump and pump cooler. Revised gearing gives drivers more direct feel and on-centre response.

Split 5-spoke, 20-inch forged aluminum wheels ride on P295/45ZR20 Pirelli Scorpion Verde All Season run-flat tires or available Pirelli P Zero Three-season.

Rounding out the capability of the Jeep Grand Cherokee SRT8 is a trailer tow rating of 2,268 kg [5,000 lb.].

## **Benchmark braking**

Chrysler Group’s SRT vehicles are well known for their world-class braking. Stopping power for the Jeep Grand Cherokee SRT8 comes courtesy of its SRT high-performance Brembo brakes with four-wheel Anti-lock Brake System (ABS).

Stopping distance performance of 35 metres (116 feet) from 100 km/h is made possible by red-painted, Brembo 6-piston (front) and 4-piston (rear) calipers, and vented rotors at all four corners [measuring 15-inches (front) and 13.8-inches (rear)].



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## Aggressive and functional exterior

The functional performance exterior of the Grand Cherokee SRT8 features the “planted” look of a high-performance sports car by being lowered 25 mm (1 inch) and adding SRT-exclusive, body-colour wheel flares and side sill cladding.

A one-piece front fascia contains LED multi-function daytime running lamps that result in an exclusive face for the Jeep Grand Cherokee SRT8, while a body-coloured front grille with a unique black screen background and chrome bezel inserts add to the aggressive look.

The integrated lower front grille is painted in gloss black and a underbody belly pan features integrated brake ducting to improve cooling and fade performance. Completing the front end is a sculpted hood with functional dual black heat extractors for added engine cooling.

At the rear, the SRT performance influence continues with a liftgate spoiler that reduces drag and improves downforce. A unique one-piece rear fascia includes a separate air diffuser along with an available trailer receiver and access cover. The dual-sport exhaust system features 102 mm (4-inch) exhaust tips.

## Race-inspired and high-performance interior

The Jeep Grand Cherokee’s refined, luxurious interior takes on a performance feel in SRT8 form with race-inspired technology and SRT-exclusive appointments.

The leather-wrapped, heated steering wheel features a unique satin chrome rim section with a flattened bottom surface – evoking a race-inspired cockpit – that showcases the SRT logo. Standard paddle-shift controls flank both sides of the contoured palm rests, while all audio and Electronic Vehicle Information Centre (EVIC) controls are accessible from the horizontal spokes on the steering wheel. A power tilt and telescoping steering column also is standard.

SRT-exclusive Performance Pages show instant feedback on steering input measurements, horsepower, torque, 0-100 km/h time, 100-0 km/h braking distance, G-forces, and one-eighth mile and quarter-mile times, along with expanded engine information.

Standard SRT-styled Nappa leather and suede seats, with sculpted bolsters and adjustable headrests, provide all the comfort for daily drives – and “grip” to keep the driver and passengers in place during spirited driving. The embroidered SRT logos and contrast stitching accent the two front seats. Heated (front and rear) and ventilated (front) seats are standard.



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Carbon fibre accents are integrated into the instrument panel and door trim panels and bright, racing style brake and pedal pads add to the high-performance look inside the cabin. An available Command View® dual-pane sun roof provides twice as much glass surface than a standard sun roof and extends from the windshield to the rear of the vehicle.

## Safety and security

Already a two-time winner of the Insurance Institute for Highway Safety (IIHS) 'Top Safety Pick' for the Jeep Grand Cherokee models, the 2013 Jeep Grand Cherokee SRT8 offers consumers 45 safety and security features including: Electronic Stability Control, Electronic Roll Mitigation, four-wheel antilock brakes, brake traction control, rain brake support, ready alert braking, remote keyless entry, Trailer Sway Damping, remote start, and much more.

## Connectivity and Infotainment

A wide variety of easy-to-use infotainment options are available with features that provide customers with seamless integration of consumer electronics, delivering drivers and passengers the conveniences of home and office.

Premium navigation is standard with the Uconnect™ 730N radio with enhanced GPS navigation. Also standard are a multitude of features including SiriusXM™ Satellite radio and Uconnect™ Phone.

The available Vehicle Entertainment System (VES) includes a DVD player and rear seat overhead screen that deliver a variety of programming choices, with ports to connect games and media players with audio and video output capability, including iPod® connectivity. The Media Centre or the VES remote can control multiple screen inputs and each screen can play something different.

The available 825-watt, 19-speaker premium SRT performance audio surround-sound system from Harman Kardon offers world premier innovation, featuring a 32-volt Tracking Power Supply (TPS) 12-channel Class D amplifier that delivers outstanding acoustics and brings multi-dimensional, quality sound for all interior occupants.

GreenEdge speaker and amplifier technology offers superior sound quality and high Sound Pressure Level outputs with minimum energy consumption. GreenEdge amplifiers alone outperform traditional amplifier efficiency by up to 55 per cent, representing a net efficiency of more than 90 per cent in some cases. The speakers are tuned for maximum efficiency and perfectly matched to the amplifier output.

The system's 19 GreenEdge high-efficiency speakers include nine tweeters, five mid-range speakers, two mid-woofers and three subwoofers located throughout the interior.

The SRT logo is rendered in a stylized, italicized font with a metallic, three-dimensional appearance, set against a dark red background with a subtle grid pattern.

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The 2013 Jeep Grand Cherokee SRT8 is built at the Jefferson North Assembly Plant in Detroit, Michigan, U.S.A.

## **About SRT**

The Chrysler Group's Street and Racing Technology (SRT) brand uses a successful product development formula featuring five proven hallmarks: awe-inspiring powertrains; outstanding ride, handling and capability; benchmark braking; aggressive and functional exteriors and race-inspired and high-performance interiors to remain true to its performance roots.

The SRT lineup features five vehicles that are world-class performance contenders and bring the latest in safety technologies and creature comforts. The Chrysler 300 SRT8, Dodge Challenger SRT8 392, Dodge Charger SRT8 and Jeep Grand Cherokee SRT8 are joined by the SRT flagship Viper and Viper GTS models which are making their highly anticipated return to the high-performance sports car market.

## **About Chrysler Canada Inc.**

Founded as the Chrysler Corporation in 1925, Chrysler Canada Inc. is based in Windsor, Ontario, and celebrates its 87th anniversary in 2012. Chrysler Canada's product lineup features some of the world's most recognizable vehicles, including the Dodge Grand Caravan, Jeep® Wrangler, Chrysler 300 and Ram trucks.

Chrysler Canada is a wholly owned subsidiary of Chrysler Group LLC, one of the world's leading automotive companies. Chrysler Group LLC, formed in 2009 from a global strategic alliance with Fiat Group, produces Chrysler, Jeep®, Dodge, Ram Truck, SRT®, FIAT® and Mopar® vehicles and products. With the resources, technology and worldwide distribution network required to compete on a global scale, the alliance builds on Chrysler's culture of innovation – first established by Walter P. Chrysler in 1925 – and Fiat's complementary technology – from a company whose heritage dates back to 1899. Fiat will contribute world-class technology, platforms and powertrains for small- and medium-sized cars, allowing Chrysler Group to offer an expanded product line including environmentally friendly vehicles.

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