

Contact: Daniel Labre  
LouAnn Gosselin

## **Chrysler Canada: Fuel-Saving Engine Stop-Start (ESS) Technology Now Standard with V6 in Award-Winning Jeep® Cherokee and I-4 in All-New 2015 Chrysler 200**

- Estimated fuel-economy improvement up to 3 per cent
- Estimated CO<sub>2</sub> emissions-reduction up to 3 per cent
- Enhanced high-speed/high-durability starter and advanced control strategies contribute to seamless, automatic activation
- Intuitively adapts to driving styles for optimal responsiveness, driving enjoyment
- Availability third quarter for Jeep® Cherokee, fourth quarter for Chrysler 200

June 23, 2014, Windsor, Ontario - Chrysler Group is offering fuel-saving Engine Stop-Start (ESS) technology as standard equipment on certain models of the award-winning 2015 Jeep® Cherokee mid-size SUV and all-new 2015 Chrysler 200 mid-size sedan.

Chrysler 200 customers who opt for the 2.4-litre Tigershark MultiAir® I-4, and Jeep Cherokee customers who choose the available 3.2-litre Pentastar™ VVT V6, will experience estimated fuel-economy improvements of up to three per cent, compared with the conventional vehicle-engine pairings.

"We're taking highly efficient engines and upping the ante to further benefit our customers," said Mike Duhaime, Global Director-Electrified Powertrain Propulsion Systems. "ESS leverages intricate control strategies to deliver a superior driving experience, as well as the expected fuel-savings and emissions-reduction."

ESS applications in the Chrysler 200 and Jeep Cherokee will account for an estimated CO<sub>2</sub> emissions-reduction of up to three per cent.

The technology made its NAFTA-region debut in the Ram 1500 full-size pickup, the most fuel-efficient truck in its segment. Availability in the popular Jeep Cherokee is scheduled for third quarter. ESS arrives the following quarter in the all-new Chrysler 200.

At the heart of ESS is a high-speed/high-durability starter that reduces crank time, culminating in quicker restarts. Its function is regulated by algorithms that act on a vehicle's powertrain and chassis components.

ESS works this way:

- Engine controls constantly monitor vehicle speed
- When the vehicle brakes to a stop, fuel flow is cut and engine turns off – events that save gas and reduce emissions
- Larger batteries maintain other vehicle systems so in-cabin comfort is unaffected
- When the brake pedal is released, the engine automatically restarts and the transmission is engaged – all within 0.3 seconds

If a driver chooses to forgo the benefits of ESS, the feature can be deactivated with the push of a button, and then reactivated.

Efficiency and refinement are hallmarks of the Tigershark and Pentastar engine families. ESS simply complements

these attributes.

The 16-valve, 184-hp 2.4-litre Tigershark comes standard in the all-new 2015 Chrysler 200. The well-engineered I-4 also features the unique MultiAir electro-hydraulic fully variable valve-lift system.

Exclusive to Chrysler Group in North America, MultiAir technology uses a column of oil in place of the traditional mechanical link between the camshaft and intake valves. Sophisticated electronic control of the MultiAir components maximizes intake manifold pressure, significantly reducing pumping losses.

MultiAir takes the innovation further by simultaneously controlling both valve opening and closing events to more effectively manage combustion quality. This ensures the appropriate, effective compression ratio and efficient internal exhaust-gas recirculation (EGR) for improved fuel economy.

The all-new 2015 Chrysler 200 is the world's first mid-size sedan to feature a nine-speed automatic transmission, which comes standard and contributes to a fuel-economy gain of up to 26 per cent compared with the outgoing car and its four-speed gearbox.

The high-tech transmission – which also comes standard in the Jeep Cherokee – dispenses power smoothly for elevated refinement. Such performance is made possible because the ratio steps between its gears are smaller than those of other transmissions.

The Cherokee's available 271-hp 3.2-litre Pentastar VVT V6 is derived from the acclaimed 3.6-litre Pentastar VVT V6, named three times one of Ward's 10 Best Engines.

Individual exhaust-manifold runners are integrated into the aluminum cylinder-head casting, a key Pentastar-family differentiator. This design feature reduces weight and affords packaging benefits.

The 24-valve engine's 10.7:1 compression ratio aids in lowering fuel consumption and improves performance while its variable-displacement oil pump further reduces parasitic losses to maximize fuel economy. The pump is programmed to operate as needed, staying in low-pressure mode below 3,500 rpm, and then bumping up pressure as demand follows engine-speed.

The Jeep Cherokee has earned multiple media accolades, from the 2014 Canadian Utility Vehicle of the Year, courtesy of the Automobile Journalists Association of Canada (AJAC) to the Rocky Mountain Automotive Press Association's SUV of the Year.

### **Jeep Brand**

Built on more than 70 years of legendary heritage, Jeep is the authentic SUV with class-leading capability, craftsmanship and versatility for people who seek extraordinary journeys. The Jeep brand delivers an open invitation to live life to the fullest by offering a full line of vehicles that continue to provide owners with a sense of security to handle any journey with confidence.

The Jeep vehicle lineup consists of the Cherokee, Compass, Grand Cherokee, Patriot, Wrangler and Wrangler Unlimited. To meet consumer demand around the world, all Jeep models sold outside North America are available in both left and right-hand drive configurations and with gasoline and diesel powertrain options. Chrysler Group LLC products are available in more than 150 countries around the world.

### **Chrysler Brand**

The Chrysler brand has delighted customers with distinctive designs, craftsmanship, intuitive innovation and technology all at an extraordinary value since the company was founded in 1926.

Whether it is the groundbreaking, bold design of the Chrysler 300, the simple elegance and extraordinary driving experience of the all-new 2015 Chrysler 200 or the family-room-on-wheels functionality of the Chrysler Town & Country, Chrysler brand vehicles reward the passion, creativity and sense of accomplishment of its owners. Beyond just exceptionally designed vehicles, the Chrysler brand has incorporated thoughtful features into all of its products, such as the innovative centre console with pass through storage and sliding cup holders in the 2015 Chrysler 200, the industry-exclusive Stow 'n Go® seating and storage system on the Chrysler Town & Country and the fuel-saving Fuel

Saver Technology in the Chrysler 300.

The Chrysler brand's succession of innovative product introductions continues to solidify the brand's standing as the leader in design, engineering and value. The premium for the Chrysler brand is in the product, not the price.

#### **FCA Canada**

Founded as the Chrysler Corporation in 1925, FCA Canada Inc. is based in Windsor, Ontario, and celebrates its 97th anniversary in 2022. FCA Canada is a wholly owned subsidiary of FCA, a North American automaker based in Auburn Hills, Michigan and member of the Fiat Chrysler Automobiles N.V. (FCA) family of companies. FCA Canada has approximately 440 dealers that sell Chrysler, Dodge, Jeep®, Ram, FIAT and Alfa Romeo products, as well as SRT performance products. The company also distributes Mopar and Alfa Romeo parts and accessories. In addition to its assembly facilities, which produce the Chrysler Pacifica, Chrysler Pacifica Hybrid, Chrysler Voyager and Chrysler Grand Caravan (Windsor) and Chrysler 300, Dodge Charger and Dodge Challenger (Brampton), FCA Canada operates an aluminum casting plant in Etobicoke, a research and development centre in Windsor, and has sales offices and parts distribution centers throughout the country.

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