2014 Safety, Security & Technology Features
GLOSSARY

Chrysler Canada: New Active Safety Systems Deliver Enhanced Warnings

For model-year 2014, Chrysler Group LLC ups the ante on safety systems with Forward Collision Warning-Plus and Lane Departure Warning-Plus.

Each assists the driver in taking corrective action when traffic conditions warrant.

“The safety and security of our customers is paramount at Chrysler Group,” said Mark Chernoby, Senior Vice President — Engineering, Chrysler Group LLC. “The introduction of advanced systems such as Forward Collision Warning-Plus and Lane Departure Warning-Plus clearly demonstrate this ongoing commitment. This commitment extends to equipping mainstream vehicles with features once limited to the luxury segment.”

Both systems are among more than 70 safety and security systems on the all-new 2014 Jeep® Cherokee, along with ParkSense Parallel/Perpendicular Park Assist – a Chrysler Group first.

The following is a list of key safety, security and technology features on 2014 Chrysler Group vehicles:

Active front head restraints: Deploy in the event of a rear collision; restraints designed to reduce injuries by minimizing the gap between the head restraint and the occupant’s head

Active transfer case and front- and rear-axle disconnect: Technologies not offered in this combination by any other manufacturer; systems seamlessly transition between RWD and AWD – without driver intervention – by disconnecting the drivetrain from front or rear wheels (depending on application); result is reduced friction and rotational inertia, contributing to improved fuel economy; system also provides optimal traction and improved performance, safety and security

Active turn signals: Lane-change convenience feature that illuminates turn signals three times when stalk is depressed for one second

Adaptive cruise control (ACC): Decreases vehicle’s pre-set speed when closing in on another vehicle in the same lane or when another vehicle pulls into the same lane; system will accelerate to pre-set speed when vehicle in front speeds up or moves into another lane; ACC maintains a distance –

determined by the driver – between the driver's vehicle and the one in front of it, allowing use of the feature in light traffic without continual adjustments

Adaptive Cruise Control-Plus (ACC+): Performs same functions as ACC, but can – in some circumstances – bring the vehicle to a full stop without driver intervention

Advanced high-strength steel (AHSS): Delivers the same stiffness and strength as high-strength steel, with the added benefit of enhanced energy-absorption – a property derived from a manufacturing process that changes its microstructure; applications include B-pillars and side sills

Air bags:

- Advanced multi-stage, driver and front-passenger air bag – Inflates with a force appropriate to the severity of a frontal or near-frontal impact
- Advanced supplemental side-curtain air bags – Provides additional protection to front-, second- and third-row outboard occupants in the event of a rollover; housed in the headliner just above side windows, each side-curtain air bag has its own impact sensor that autonomously triggers deployment on the side where impact occurs
- Advanced supplemental front-seat side air bags – Provides additional protection in a side-impact collision and enhanced protection for the driver and front outboard passenger in certain other impacts; each side air bag has its own impact sensor that autonomously triggers deployment on the side where impact occurs
- Dual-stage front air bags – Inflates with force appropriate to severity of the impact; Dodge Dart's passenger air bag designed to deploy at rates that vary by occupant position; compliant with FMVSS 208 advanced air bag requirements for smaller, out-of-position occupants
- Unique driver's air bag design for Fiat 500L and Fiat 500 Abarth – Includes tethers to shape air bag; front passenger system has unique venting system that allows one air bag vent to remain open while the air bag is fully inflating; secondary vent is actuated as the passenger contacts air bag at the end of crash event, offering protection of occupants of all sizes
- Front-seat-mounted air bags – Deploys for enhanced thorax protection during a side impact
- Knee air bags – Located below the instrument panel, air bag is designed to properly position occupant during impact while offering additional lower leg protection
- Rear-seat-mounted air bags – Deploys for enhanced pelvis protection during a side impact

All-speed traction control system: Part of the standard Anti-lock Brake System (ABS), helps keep driving wheels from spinning while accelerating from a stop or slipping at cruising speeds by applying individual brakes alone or in combination with engine-torque reduction

Auto-dimming rear-view mirror: Detects and reduces glare from headlamps of trailing vehicles without driver intervention

Anti-lock Brake System (ABS): Senses and prevents wheel-lockup, delivering improved handling under extreme braking and/or slippery conditions

Anti-lock Brake System (ABS) with rough-road detection: Anti-lock Brake System (ABS) detects rough roads from wheel-speed oscillation; upon detection of rough roads such as off-road surfaces or trails, ABS protocol sustains brake pulses for longer intervals

Anti-lock, four-channel braking system: Senses and prevents wheel-lockup independently at all four wheels, offering improved steering control under extreme braking and/or slippery conditions; monitors speed of each wheel and enables individual wheel-braking for superior control; also affords system redundancy – backup braking capability for deployment in the unlikely failure of a braking circuit

Automatic headlamps: Activates headlamps without driver intervention when driving conditions would benefit from additional light

Automatic humidity sensor: Measures humidity inside vehicle through automatic temperature control (ATC) system to provide a fog-free windshield without driver intervention

Auto-reverse sunroof: Advanced sensing system automatically engages and reverses the sunroof (to the open position) when obstruction is detected

Auto-reverse windows: Automatically engages and reverses the window (to down position) when obstruction is detected

BeltAlert: A chime and illuminated icon in the instrument cluster reminding occupants to buckle up if they are not properly wearing shoulder harnesses

Bi-halogen projector headlamps: Provides wider, more focused light pattern to improve forward visibility at night

Blind-Spot Monitoring (BSM): Uses dual ultra wide-band radar sensors to aid the driver when changing lanes and passing; system uses illuminated icons located in side-view mirrors to alert driver of approaching vehicle(s) in blind spots; driver-selected audible chime affords additional notification

Hands-free Communication Technology: In-vehicle, voice-activated communication system that allows driver to operate a Bluetooth-compatible phone while keeping his or her hands on the wheel and eyes on the road; driver can place phone calls, access a phone's address book or listen to MP3s using voice commands

Bluetooth streaming audio: Affords convenient access to music libraries by Bluetooth-capable MP3 players to the vehicle's Uconnect media centre and car audio system; negates need for special plugs or wires and allows operators to keep music storage devices out of sight for security

Brake assist: Applies maximum braking power, minimizing stopping distances in emergency braking situations

Brake-Lock Differential System (BLDS): Allows vehicle to maintain forward motion if one or two wheels lose traction by selectively and aggressively applying brakes to the spinning wheels

Brake-throttle override: Allows driver to stop the vehicle when throttle and brake inputs occur simultaneously; electronic throttle control reduces engine-power output until vehicle stops or pedal inputs cease; first appeared on 2003 Ram 1500, it is now featured on every Chrysler Group vehicle

Brake/park interlock: Prevents automatic transmission or transaxle from being shifted out of park unless brake pedal is applied

Brake Traction-Control System (BTCS): Helps keep driving wheels from spinning during acceleration from a stop or at slow speeds by applying individual brakes to the slipping wheel(s)

Child-protection rear-door locks: Activated from the driver's position by push of a button; system helps prevent children from opening vehicle doors by disabling rear passenger-door latch operation

CNG (Compressed Natural Gas): Alternative fuel; Chrysler Group's Ram 2500 Heavy Duty CNG is the first factory-assembled CNG-powered pickup on the North American market; features a 5.7L HEMI® V8 that runs on either CNG or gasoline; truck equipped with CNG storage tank and a 30-litre (6.6-Imperial gallon) gasoline tank (Canadian customers can opt for a 132-litre (29-Imperial gallon) gas tank)

Compact U.S. Wide (CUS-wide) electrical architecture: Electrical backbone of Dodge Dart and Jeep Cherokee; delivers connectivity, enhanced driver-awareness and in-vehicle personalization capability; adapted from Fiat-based Compact Electrical Architecture used on Alfa Romeo Giulietta; allows both high- and low-speed data networks to be equipped with as many as 40 individual modules, all designed to improve vehicle performance and enhance comfort and safety of driver and passengers; each

module (e.g., Electronic Stability Control) processes data and transmits appropriate commands to activate associated systems (e.g., anti-lock brakes)

Constant-Force Retractors (CFR): Regulates force exerted on occupant by a seat belt

Conversation mirror: Convex mirror located in overhead console above rear-view mirror; allows driver to see rear-seat occupants without facing rearward

Courtesy puddle lamps: Provides additional ground lighting for safe, easy entry and exit; mounted in side-view mirrors, lamps work in conjunction with the dome light and the remote keyless entry system

Crumple zones: Vehicle body structures designed to deform during impacts to absorb energy, decreasing transfer of that energy to occupants

Diesel Exhaust Fluid (DEF): Urea-based solution used with Selective Catalytic Reduction (SCR) to reduce oxides of nitrogen emissions from diesel engines; refillable at regular intervals

Digressive load-limiting retractors: Two-stage load-limiting feature that modulates force on seat-belt webbing to mitigate energy exerted on occupant's upper torso during impact

Door alert: Alerts other drivers that a vehicle occupant may be exiting by flashing brake and indicator lights when a sliding door is opened

Electronically Controlled Coupling (ECC): Electromagnetic system enables seamless, automatic transition between rear-wheel drive and all-wheel drive, as needed; power to front wheels is de-coupled unless snow, ice or other low-traction conditions require all-wheel-drive operation; all-wheel drive also enabled on dry pavement between speeds of 40 km/h and 105 km/h to enhance handling during spirited driving

Electronic brake-force distribution: Optimizes stopping distances and driver-control under all vehicle-load conditions by modulating braking pressure, front-to-rear

Electronic Roll Mitigation (ERM): Anticipates if a vehicle is at risk of entering a potential roll situation by tapping input from Electronic Stability Control (ESC) sensors; applies brakes individually and modulates throttle position as needed

Electronic Stability Control (ESC): Enhances driver-control and helps maintain directional stability; reconciles steering-wheel position with vehicle path by activating individual brakes and reducing throttle input; beneficial in turns and when driving on surfaces affected by snow, ice or gravel

Electronic variable assist: Provides maximum steering response at low speeds using electronically controlled pump in power steering system; assist level reduced to enhance control at higher speeds

Electronic Vehicle Information Centre (EVIC): Configurable display that delivers important vehicle information such as direction of travel, real-time fuel economy and distance to empty

Emergency trunk release: Glow-in-the-dark handle inside the trunk that releases trunk latch to prevent an adult or child being inadvertently trapped

Enhanced Accident Response System (EARS): Activates interior lighting and unlocks doors after air bag deployment to help first-responders see and reach occupants more easily; system also shuts off fuel-flow to engine

Exhaust Gas Recirculation (EGR): Featured on the all-new 3.0-litre EcoDiesel V6 engine; reduces oxides of nitrogen emissions by funneling cooled exhaust gas to the engine's intake, displacing excess oxygen and resulting in a lower peak combustion temperature

Express up/down windows: One-touch up/down power window feature activated by buttons on driver's door and front passenger's door

Forward Collision Warning (FCW): Uses forward-facing radar sensors to detect when vehicle may be approaching another vehicle too rapidly and alerts the driver accordingly

Forward Collision Warning-Plus (FCW+): Uses forward-facing radar and camera sensors to detect when vehicle may be approaching another vehicle too rapidly and alerts the driver accordingly; if driver does not respond, the vehicle's brakes automatically pulse as an additional warning; if driver still is unresponsive and collision remains imminent, brakes are applied to slow the vehicle before impact

FuelSaver Technology: Featured on 6.4-litre HEMI® and 5.7-litre HEMI®; enables seamless transition to highly fuel-efficient four-cylinder mode when conditions demand less power, and equally smooth return to V8 operation when superior performance is required

High-Intensity Discharge (HID) headlamps: Provides approximately three times the light output of conventional reflector lamps for improved nighttime illumination

High-strength steel: Affords more stiffness and strength than base-grade steel; used in applications such as floor pans, where it also benefits noise, vibration and harshness (NVH).

Hill-Descent Control (HDC): Allows smooth, controlled descent on rough or slippery terrain without brake-pedal inputs; automatically brakes each wheel, as needed, to manage momentum on steep descents

Hill-Start Assist (HSA): Automatically holds vehicle to avoid rollback when starting on an incline; maintains braking long enough for driver to reposition foot from brake pedal to accelerator

Integrated trailer-brake control: Enables greater stopping power on downhill grades when towing properly equipped trailers

Intelligent Battery Sensor (IBS): Continually measures flow of current into and out of the battery; if the battery is running low, the system intelligently shuts off less-critical electrical systems to help prevent a customer from being stranded due to a low or depleted battery; when IBS conducts load-shedding, an icon appears in cluster display.

Interactive Decel Fuel Shut-off (iDFSO): Improves fuel economy by cutting fuel-flow to engine when sensors detect engine-speed decline; indicator on instrument cluster illuminates when system is active

Jeep Active Drive I: Available on Jeep Cherokee Sport, North and Limited 4x4 models; features a single power transfer unit (PTU) which is fully automatic and delivers seamless operation in and out of four-wheel-drive at any speed; requires no driver intervention or feedback; delivers yaw correction during dynamic events, improves understeer and oversteer conditions; system also offers balanced torque distribution with brake traction control; enabled by fully variable wet clutch housed in the rear drive module

Jeep Active Drive II: Available on Jeep Cherokee Sport, North and Limited 4x4 models; features two-speed PTU with torque management and low range; 4-Low mode locks front and rear drive shafts for low speed power or towing; gear reduction delivers outstanding crawl ratios for severe off-road conditions; works in conjunction with Selec-Terrain system to aggressively modify torque distribution

Jeep Active Drive Lock: Standard equipment on Jeep Cherokee Trailhawk models; includes all the features of Jeep Active Drive II and adds a locking rear differential to deliver superior low-speed power for rock crawling or severe off-road conditions; locking rear differential is selectable in any low-range terrain mode, but will lock automatically in certain modes, such as “Rock,” to maximize tractive effort

Key fob: Small, convenient keychain-attachable device used for activating select vehicle features such as the alarm system, remote keyless entry or power liftgate/sliding doors

Keyless Enter 'n Go™: Sensor-equipped system that detects when key fob is present anywhere in vehicle, enabling push-button start, and unlocking doors when the handle is pulled and the key fob is nearby

Knee bolsters: Area around lower instrument panel and the glove-box door designed to properly position occupant during impact, enabling air bags to work effectively

Lane Departure Warning (LDW): Camera-based sensor system determines vehicle trajectory; if lane departure occurs without turn-signal activation, the system will deliver a visual warning so the driver can make the necessary correction

Lane Departure Warning-Plus (LDW+): Camera-based sensor system determines vehicle trajectory; if lane departure occurs without turn-signal activation, the system will deliver a visual warning and a haptic warning – the subtle introduction of torque from the electric power steering (EPS) system; secondary visual warning is delivered if errant trajectory continues

Light-Emitting Diode (LED): Advanced lighting technology affords harmonious and consistent illumination for functions ranging from taillamps to Dodge Dart's 7-inch LED reconfigurable in-cluster display centre

Lock on Sync tire-pressure monitors: Tire-pressure monitoring system self-learns tire position after rotation, or if tire is moved to a new location

Lower Anchors and Tethers for Child Seats (LATCH): Child-seat anchoring system designed to accommodate proper installation of compatible aftermarket child seats

MultiAir®: Electrohydraulic variable valve-actuation technology that optimizes intake-valve opening schedules, increasing power and torque as much as 10 per cent and 15 per cent, respectively, while improving fuel economy by up to 7.5 per cent vs. non-Multiair engine; also affords significant emissions reduction

MultiJet II: Second generation of Fiat-designed common-rail fuel-injection system for diesel engines; delivers more efficient combustion with reduced emissions and a smoother, quieter drive

Mobile Wi-Fi Hotspot: In-vehicle wireless Internet connectivity; enabled by Uconnect, which delivers in-vehicle access to websites, e-mail, personalized music, online gaming, etc.

Occupant restraint controller: Detects an impact and determines whether a crash is severe enough to trigger air bag deployment and whether primary- or secondary-stage inflation is warranted; detects side impacts and determines whether the rail-curtain and side-seat-mounted (thorax protection) air bags should deploy; system also manages front seat-belt pretensioners

ParkSense® front and rear park assist systems with stop and release: The system utilizes ultrasonic sensors at low speeds in Reverse to detect stationary objects. If it is determined that a collision is imminent the system will provide a momentary, autonomous brake apply/brake jerk then release. At speeds below 7 km/h the system will bring the vehicle to a stop before releasing

ParkSense® Parallel/Perpendicular Park Assist: Using ultrasonic parking sensors on the bumper, the system will find and guide customer into parking space when the driver initiates parking maneuver. The parking guidance system automatically controls the steering angle; the driver controls the gear position, brake, and accelerator. Parallel parking is possible on either side of the car; during perpendicular parking, the vehicle is backed into the space

ParkView® Rear Backup Camera: Provides a wide-angle view of the area immediately behind the vehicle, giving the driver greater peace of mind before reversing at low speeds. Contains dynamic grid lines to aid the driver when maneuvering into parking spaces or narrow areas. Also aids in lining up a trailer to the vehicle's trailer hitch, when so equipped. The image is displayed on the navigation screen when the transmission is shifted into Reverse

Power-adjustable pedals: Enables driver to establish safe, comfortable seating position by moving brake, accelerator and clutch (if equipped) pedals forward or rearward

Powernet electrical architecture: Backbone of Ram 1500's electrical system; allows both high- and low-speed data networks to be equipped with as many as 40 individual modules, all designed to improve vehicle performance and enhance comfort and safety; each module (e.g., Electronic Stability Control) processes data and transmits appropriate commands to activate supplemental systems (e.g. anti-lock brakes and cruise control)

Quadra-Lift™ air suspension system: Jeep®-exclusive technology that adds up to 164 mm (4.2 inches) of lift span, supported by four-corner air springs that provide cushioned, premium ride in all five settings; closed-type system stores pressurized air from a reservoir to lift front and rear air springs; operates automatically or may be controlled manually via console dial; modes comprise:

- Normal Ride Height: benefits fuel economy and aerodynamics on-road; provides 2,016 mm (79.4 inches) of ground clearance
- Off-road 1: Adds 33 mm (1.3 inches) of height for 239 mm (9.4-inch) ground clearance
- Off-road 2: Raises vehicle additional 66 mm (2.6 inches) for 287 mm (11.3 inches) of ground clearance for an off-road experience only Jeep can deliver
- Park Mode: Lowers vehicle 40 mm (1.6 inches) from Normal Ride Height for easy ingress/egress and roof-rack loading
- Aero Mode: Automatically activated by vehicle speed; lowers vehicle 15 mm (.6 inches) from Normal Ride Height for superior aerodynamics, optimal performance and improved fuel economy

Quadra-Drive II™: Jeep brand's four-wheel-drive system featuring rear Electronic Limited Slip Differential (ELSD) that delivers industry-leading traction; instantly detects wheel slip and smoothly distributes engine torque to tires with traction; in some cases, vehicle will anticipate low traction and adjust to proactively limit or eliminate slip with the ability to transfer up to 100 per cent of available torque to one wheel

Quadra-Trac I™: Jeep-brand four-wheel drive system; features lightweight, single-speed transfer case that automatically delivers smooth operation on a variety of road conditions

Quadra-Trac II™: Features two-speed transfer case that actively manages torque and uses input from a variety of sensors to determine wheel slip and respond with up to 100 per cent of available torque delivered to the axle with the most traction

Rain brake support: Uses ESC pump to occasionally brush brake pads lightly against brake rotors, keeping them dry for optimal performance

Rain-sensing wipers: Windshield wipers that activate automatically when system detects precipitation on windshield

RamBox® cargo management system: Industry-first cargo management system; weatherproof, lockable, illuminated and drainable storage bins built into Ram pickup bed rails; bins can hold tools or leisure gear or up to 10 cases of 355 ml beverages; complemented by bed divider, 2-ft. bed extender and cargo-rail system with four sliding, adjustable cleats

Ready Alert Braking (RAB): Anticipates situations when driver may initiate emergency stop; uses ESC pump to set brake pads against rotors to decrease time required for full brake application

Rear Cross Path (RCP) detection: Detects traffic moving toward vehicle when driver is backing out of parking space; activates when vehicle is in Reverse; warns driver with illuminated icons in side-view mirror and with a driver-selected audible chime

Remote keyless entry: Enabled by key fob; locks and unlocks doors and turns on interior lamps; disarms security alarm if vehicle is so-equipped

Remote start: Enabled by key fob; conveniently starts engine and activates comfort settings based on ambient conditions; vehicle remains locked until fob used to open

Removable flashlight: Mounts in cargo area of certain Chrysler Group models; snaps out of compartment that serves as charging port for quick, easy access; functions as dome light when mounted

Roll-detection system: Senses rollover and deploys seat-belt pretensioners and/or standard full-length side-curtain air bags as needed

Safety cage body structure: Protects occupants by managing and controlling energy in the event of an impact

Seat-belt pretensioner: Removes slack in restraint system when sensors detect collision; limits forward movement of occupant's head and torso

Selec-Speed Control: Featuring both Hill-Descent Control and new Hill-Ascent Control, allows the Jeep® Grand Cherokee and Cherokee to climb and descend steep grades with minimal driver input

Selec-Terrain™ traction control system: Jeep feature that enables driver to match vehicle capability with five driving conditions – Auto (normal), Sand/Mud, Sport, Snow and Rock

Selective Catalytic Reduction: Process of turning oxides of nitrogen emissions into nitrogen and water vapor; result of chemical reaction triggered by introducing Diesel Exhaust Fluid (DEF) to a specially designed exhaust catalyst

Sentry Key® engine immobilizer: Utilizes engine key equipped with embedded transponder programmed with a security code to discourage vehicle theft; when key is inserted into ignition, controller sends random number to transponder and engine is allowed to start

Side-guard door beams: Front- and rear-door components that provide occupant protection during a side impact

Signal mirror: Exterior mirror that features signal lamps built into its housing; allows turn signals to be viewed from the front, sides and rear of vehicle to alert oncoming traffic and pedestrians

SiriusXM Satellite Radio: Provides continuous coast-to-coast programming from more than 140 themed, commercial-free, digital music and information channels; enabled by global positioning satellite technology; accessed via Chrysler Group's Uconnect™ infotainment system

"Smart" Exhaust Brake: Featured on 6.7-litre Cummins Turbo Diesel I-6; enabled by Cummins' unique, proprietary sliding-nozzle turbine design, "Smart" Exhaust Brake electronically manages exhaust gas flow, creating sufficient engine back-pressure to slow the vehicle and reduce brake wear

SmartBeam™ headlamps: Headlamp system that adjusts to ambient light and oncoming traffic to deliver maximum lighting

Smart pedals: Pedal assembly that moves out of the way in the event of an impact to help protect the driver's feet and legs

Thin Film Transistor (TFT) instrument cluster: Reconfigurable in- cluster display centre; customization options range from basic analog readouts to full digital display – all clearly communicating vehicle information in the manner preferred by the customer; enabled by LED technology

Tilt steering column: Enables driver to position steering wheel at a preferred angle

Tilt-and-telescoping steering column: Enables positioning of steering wheel at a preferred angle and distance from the driver

Tire-pressure monitoring (TPMS) system: Informs driver when tire pressure is too low via sensor modules in the valve stems of all four wheels

TomTom® Navigation: 4.3-inch touchscreen navigation system (featuring more than 7 million points of interest) for Fiat 500; complements Blue&Me™ Handsfree Communication system; mounts with unique instrument-panel docking system for added driver convenience

Traction-Control System (TCS): Helps keep driving wheels from spinning during acceleration from a stop or while traveling at slow speeds by applying individual brakes alone or in combination with engine torque reduction

Trailer-sway control: Reduces trailer sway and improves handling while exposed to crosswinds or other adverse towing conditions; system monitors vehicle's movement relative to driver's intended path and activates brakes accordingly, counteracting sway induced by trailer and otherwise managing momentum

Turbocharging: Boosts engine power by increasing air induction; turbocharger turbine converts heat and pressure to rotational force that drives a compressor; compressor draws in ambient air that is forced into engine cylinders, generating increased power from combustion event

About Chrysler Canada Inc.
Founded as the Chrysler Corporation in 1925, Chrysler Canada Inc. is based in Windsor, Ontario, and celebrates its 88th anniversary in 2013. 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.