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New 2015 Chrysler 300 Delivers Array of State-of-the-art Driver-assist Features

Nearly one-third of the more than 80 available safety and security features afford object detection, autonomous braking/steering inputs and sensor-driven chassis controls

- Chrysler Group expands availability of Full-speed Forward Collision Warning-Plus, which provides autonomous braking and, under certain circumstances, slows or brings vehicle to full stop when frontal collision appears imminent
- Adaptive Cruise Control - Plus with Full Stop helps maintain distance from vehicle ahead and, under certain traffic conditions, the system can bring the new 2015 Chrysler 300 to full stop without driver intervention
- Lane Departure Warning with Lane Keep Assist introduces subtle steering-wheel input to alert driver of inadvertent lane departure and assist with corrective action
- 9-1-1 call/Assist Call connects occupants directly with emergency-service providers via built-in data link – exclusive to Chrysler Group's Uconnect Access suite of connected services
- Standard Keyless Enter 'n Go activates interior lighting, and enables passive cabin entry and trunk access via personalized fob
- ParkSense front and rear park assist systems sense objects at low speeds

November 19, 2014, Auburn Hills, Mich. - Chrysler Group continues its rollout of leading-edge safety and security features by equipping the new 2015 Chrysler 300 with 20 high-tech systems, which alert and/or assist drivers in potentially hazardous situations.

In addition to building on its "Top Safety Pick" credentials from the Insurance Institute for Highway Safety (IIHS), the Chrysler 300 offers more than 80 safety and security features, including many that are new for 2015. New available features for the model year include Full-speed Forward Collision Warning-Plus, which provides autonomous braking and, under certain circumstances, slows or brings the vehicle to a full stop when frontal collision appears imminent.

Adaptive Cruise Control-Plus with Full Stop helps maintain distance from the vehicle ahead and, under certain traffic conditions, the system can bring the new 2015 Chrysler 300 to full stop without driver intervention. New Lane Departure Warning with Lane Keep Assist introduces subtle steering-wheel input to alert the driver of inadvertent lane departure and assist with corrective action.

New for 2015, 9-1-1 call/Assist Call connects Chrysler 300 occupants directly with emergency-service providers via built-in data connection with a push of a button, a feature exclusive to Chrysler Group's Uconnect Access service.

The following list comprises more than 80 standard and available safety and security features in the new 2015 Chrysler 300, organized by category:

Driver warning and assist, chassis control and brake systems

Available systems featuring ultrasonic, radar, camera and other technologies combine to offer the driver nearly 360-degree awareness and, when circumstances dictate, course-correction assistance.

1. **Advance Brake Assist:** If inadequate force is applied to brakes in response to signal from Full-Speed Forward Collision Warning-Plus, Advance Brake Assist increases brake force automatically
2. **Adaptive Cruise Control - Plus with Full Stop:** Helps maintain distance from vehicle ahead; under certain traffic conditions, system can bring vehicle to full stop without driver intervention

3. **All-speed traction control system:** While driving, helps keep wheels from spinning during acceleration from a stop or at speed by applying brakes alone or in combination with engine torque limitation (standard)
4. **Anti-lock brake system (ABS):** Senses and prevents wheel lockup, offering improved steering control under extreme braking and/or slippery conditions (standard)
5. **Blind-spot Monitoring (BSM):** Uses dual ultra-wideband radar sensors to aid driver when changing lanes, passing or being passed; blind-spot vehicle presence noted via illuminated icons in side-view mirrors and driver-selectable audible chime
6. **Brake assist:** System applies maximum braking power in emergency braking situations, minimizing stopping distance (standard)
7. **Brake-lock differential system (BLDS):** Allows the vehicle to maintain forward motion if one or two wheels lose traction by selectively and aggressively applying brakes to the spinning wheels
8. **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
9. **Brake/park interlock:** Prevents the transmission from being shifted out of “Park” unless the brake pedal is pushed (standard)
10. **Brake traction-control system (BTCS):** Helps to keep wheels from spinning during acceleration from a stop or during slow speeds by applying individual brakes to the slipping wheel(s) (standard)
11. **Electronic brake-force distribution (EBD):** Optimizes stopping distances and control under all vehicle loading conditions by regulating braking pressure, front-to-rear (standard)
12. **Electronic Roll Mitigation (ERM):** Uses input from electronic stability control (ESC) sensors to anticipate potential rollover conditions; applies brakes individually and modulates the throttle position to help driver maintain control (standard)
13. **Electronic stability control (ESC):** Enhances directional control and stability of vehicle in various driving conditions; activation occurs when steering-wheel angle differs, inconsistent with vehicle; automatically reduces throttle input and/or selectively deploys brakes to counteract oversteer or understeer (standard)
14. **Full-speed Forward Collision Warning-Plus**: Radar and camera technology combine to determine if frontal impact appears imminent; if so, system pre-fills brakes, then transmits audible and visual warnings for driver to intervene; no driver response triggers brief brake application as tactile alert; if driver remains unresponsive and frontal collision risk remains, brakes are applied to slow vehicle before impact; system can bring vehicle to full stop if speed is reduced below 20 miles per hour (mph)
15. **Hill-start Assist:** Assists drivers when starting from stop on a hill; maintains brake pressure for short period of time after driver’s foot is removed from the brake pedal; if throttle is not applied within short period of time thereafter, brake pressure will be released (standard)
16. **Lane Departure Warning with Lane Keep Assist**: Alerts and assists driver; leverages electric power steering (EPS) to deliver subtle steering-wheel input when system detects need for course correction
17. **ParkSense front and rear park assist systems with stop and release:** At low speeds, ultrasonic sensors detect stationary objects
18. **ParkView rear backup camera:** Provides wide-angle view of area immediately behind vehicle, giving driver greater peace of mind before reversing; features dynamic grid lines to aid driver when maneuvering into parking spaces or narrow areas; also assists when lining up trailer to vehicle’s hitch, when so equipped; image displayed on the navigation screen when the transmission is shifted into reverse
19. **Rain brake support:** In rainy conditions, occasionally pushes brake pads lightly against brake rotors to keep rotors dry (standard)
20. **Ready Alert Braking (RAB):** Anticipates situations when driver may initiate an emergency brake stop and uses ESC pump to set brake pads against rotors, decreasing time required for full brake application
21. **Rear Cross Path (RCP) detection:** In parking-lot situations, warns drivers of lateral traffic when backing out of parking spaces; automatically activates any time a vehicle is in reverse gear; driver alerted of approaching vehicle(s) via illuminated icons on side-view mirrors and driver-selected audible chime
22. **Trailer sway mitigation**: Uses input from electronic stability control (ESC) sensors to anticipate potential trailer-induced yaw conditions; applies brakes individually and modulates throttle to help driver maintain control (standard)

Occupant restraint technology

1. **Advanced multistage driver and front-passenger air bags:** Inflate with force appropriate to the severity of the impact; meet FMVSS 208 advanced air bag requirements for smaller, out-of-position occupants (standard)
2. **All-row, full-length side-curtain air bags:** Extend to all outboard front- and rear-seat passengers; housed in headliner above side windows, each side air bag has its own impact sensor that triggers deployment on the side of the vehicle where impact occurs (standard)
3. **BeltAlert:** Activates chime and/or illuminates icon in instrument cluster to remind driver and front passenger to buckle up if vehicle is driven without belted front-seat occupants (standard)
4. **Child seat anchor system:** LATCH (Lower Anchors and Tethers for Children) designed to ease installation of compatible aftermarket child seats (standard)
5. **Constant-force retractors:** Regulates force exerted on occupant by seat belt, then gradually releases webbing in controlled manner (standard)
6. **Front seat-belt pretensioners:** During a collision, impact sensors initiate front seat-belt pretensioners to remove slack in the seat-belt system, thereby reducing the forward movement of the occupant's head and torso (standard)
7. **Front-seat-mounted side pelvic thorax bags:** Help provide enhanced protection to driver and front passenger in certain impacts; each side air bag has its own impact sensor that triggers deployment on side where an impact occurs (standard)
8. **Driver's-side knee air bag:** Deploys with advanced multistage driver air bag; located below instrument panel, device designed to properly position occupant during impact (standard)
9. **Height-adjustable seat belts (front-row):** Outboard seat belts feature height adjustment, allowing for seat belt to be placed in optimal position for any driver
10. **Occupant restraint controller:** Detects crash and determines if air bag deployment, and degree of same, is appropriate; front seat-belt pretensioners also managed through the controller (standard)
11. **Reactive head restraints:** Deploy during collision; designed to reduce injuries by minimizing gap between occupant's head the head restraint (standard)
12. **Three-point seat belts:** Lap and shoulder belts; all five seating positions (standard)

Structural systems

1. **Energy-absorbing steering column:** Manual-adjust steering column features two hydroformed coaxial tubes that move relative to each other to allow for enhanced energy absorption during an impact; power-adjust steering column employs a calibrated bending element that deforms during column stroke for optimal energy management (standard)
2. **Front and rear crumple zones:** Specially formed structural members that crumple and absorb energy in a collision, helping protect the occupant cabin (standard)
3. **Laminated glass:** Plastic sandwiched between glass panes to provide added strength; discourages break-ins (standard)
4. **Safety cage body structure:** Helps protect occupants by managing and controlling energy in the event of an impact (standard)
5. **Side-guard door beams:** Reinforcement beams inside the doors that help provide occupant protection in certain side collisions (standard)

Lighting and visibility systems

1. **Active turn signals:** Turn signal flashes three times when stalk is depressed for one second (standard)
2. **Adaptive forward lighting (AFL):** The system adjusts headlight beams up to 15 degrees outboard right or left depending on the turning direction of the vehicle
3. **Auto-adjust exterior mirrors:** Side-view mirrors automatically adjust to accommodate rear view when vehicle shifted into reverse
4. **Auto-dimming rearview mirror:** Auto-dimming mirror automatically reduces glare from bright light allowing driver to have a clearer view of the road ahead
5. **Automatic defog:** Automatic temperature control system measures interior humidity and activates defogging system without driver intervention
6. **Automatic headlamps:** Headlamps turn on and off automatically depending on exterior light levels and if windshield wipers are operating (standard)

7. **Automatic high-beam headlamps:** Headlamp system adjusts to ambient light and oncoming traffic to deliver maximum lighting
8. **Center high-mount stop lamp:** Illuminates when brakes applied; makes vehicle more visible in traffic (standard)
9. **Daytime running lamps (DRL):** Low-intensity halogen or signature LED lights that illuminate during daytime conditions, increasing vehicle's visibility to other drivers (standard)
10. **Enhanced Accident Response System (EARS):** Makes it easier for emergency personnel to see and reach occupants in the event of an accident by turning on the interior lighting and unlocking doors after air bag deployment; also shuts off flow of fuel to the engine (standard)
11. **Heated windshield washer nozzles:** Delivers heated washer fluid to more efficiently clear windshield in inclement weather (standard)
12. **High-intensity discharge (HID) headlamps:** Provide approximately three times the light output than conventional reflector lamps (standard)
13. **Halogen infrared reflecting bulbs (HIR):** Unique component coating delivers greater light output than conventional bulbs (standard)
14. **LED fog lamps:** Provide improved illumination during inclement weather
15. **LED tail lamps:** Provide dual-function illumination (brake, stop, turn and running light functions); light-emitting diode technology ensures light output is consistent throughout the tail lamp
16. **Rain-sensing wipers:** A driver convenience feature that automatically senses moisture on the windshield and activates wipers
17. **Rear-window electric defrost:** Automatically activates with remote start when ambient temperature is below prescribed threshold (standard)

Emergency connectivity and other safety and security features

The new 2015 Chrysler 300 benefits from Chrysler Group's unique and widely acclaimed Uconnect technology.

1. **9-1-1 call/Assist Call:** Enabled by built-in data connection, rearview mirror-mounted button connects occupants directly with emergency service providers; for roadside assistance or Uconnect system questions, a separate button establishes direct contact with appropriate call-takers
2. **Auto-reverse sunroof:** Automatically reverses when it senses an obstruction while closing
3. **Auto-reverse windows:** Automatically reverses when it senses an obstruction while closing (standard)
4. **Capless fuel-filler:** Enables fuel-filling simplicity (standard)
5. **Child-protection rear door locks:** Disables rear doors' inside-release handle by adjusting a small lever opposite the doorjamb (standard)
6. **Electronic locking fuel filler door:** Prevents theft or tampering, which can lead to damage, inefficiency and unwanted fuel vapor release (standard)
7. **Express up/down windows:** One-touch express up/down window button located on the front driver and passenger-side door
8. **Global position sensor (GPS):** Used for navigation guidance and electronic vehicle tracking
9. **Intelligent battery sensor (IBS):** Continually measures flow of current into and out of battery; if battery is running low, system shuts off less-critical electrical systems to conserve power; icon in cluster denotes activation (standard)
10. **Inside emergency trunk-lid release:** Glow-in-the-dark handle enables unlocking from inside trunk (standard)
11. **Keyless Enter 'n Go:** Electronic sensors detect if unique vehicle key fob is present, which enables passive cabin entry and trunk access; illuminates interior lamps and enables push-button ignition – no need to insert key (standard)
12. **Remote keyless entry:** Locks and unlocks doors and turns on interior lamps. If vehicle is equipped with security alarm, remote also arms and disarms system (standard)
13. **Remote start:** Fob-activated convenience; starts engine and activates interior climate settings while maintaining vehicle security
14. **Sentry Key engine immobilizer:** Utilizes engine key with embedded transponder and preprogrammed security code to discourage vehicle theft; when key is inserted into the ignition, controller sends a random number to the transponder and engine is allowed to start; engine will shut off after a few seconds if an incorrect key is used (standard)

15. **SiriusXM Traffic:** Real-time local traffic updates via SiriusXM Radio
16. **SIRIUS Travel Link:** Provides passengers with real-time weather, information and entertainment to make every trip more efficient and secure
17. **Speed-sensitive Door Locks:** System automatically locks doors when vehicle acceleration reaches prescribed threshold (standard)
18. **Tilt-and-telescoping steering column:** Allows steering column to tilt and move toward or away from the driver to achieve a safe and comfortable distance from the advanced multi-stage front driver air bag, if deployed
19. **Tire-pressure monitoring (TPM) system – Lock-on Sync:** Standard feature informs driver when tire pressure is too low; pressure-sensor modules within valve stems of all four wheels send continuous radio-frequency signals to a receiver (available system uses graphic display to indicate tire-specific pressure)
20. **Uconnect Access mobile hot spot:** Turns vehicle into mobile Internet hotspot; available to registered Uconnect Access subscribers
21. **Uconnect Access remote services:** Enables registered Uconnect Access subscribers with compatible cell phones to lock or unlock their vehicles or activate panic alarm; can also activate remote start
22. **Uconnect Access voice-to-text:** Enables cloud-based text-message dictation via compatible Bluetooth-enabled cell phones; available to registered Uconnect Access subscribers
23. **Uconnect Access Stolen Vehicle Location Assistance:** Leverages GPS data-sending capability to help authorities find stolen vehicles
24. **Uconnect Voice Command:** Voice-recognition technology enables hands-free navigation-system inputs and access to real-time information, such as weather forecasts via SiriusXM Travel Link
25. **Uconnect Voice Command with Bluetooth:** Voice-recognition technology enables drivers to use Bluetooth-enabled phones while keeping their hands on the wheel and eyes on the road
26. **Vehicle theft security alarm:** Deters vandalism and theft, frequently lowering insurance premiums; system minimizes risk of theft by monitoring door-ajar switches and ignition circuit for unauthorized entry (standard)

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