

Contact: General Media Inquiries
Kristin Starnes

New 2015 Dodge Challenger Boasts More Than 70 Safety and Security Features

- New 2015 Dodge Challenger adds available Forward Collision Warning (FCW) with adaptive-cruise control, Blind-spot Monitoring and Rear Cross Path detection
- 9-1-1 call/Assist Call connects occupants – at the push of a button – directly with emergency-service providers via built-in cellular connection – exclusive to Chrysler Group's Uconnect Access service
- Advanced multistage air bags, seat-mounted side pelvic-thorax air bags and reactive head restraints
- Ready Alert Braking and Rain Brake Support improves vehicle control to help drivers avoid crashes

April 17, 2014, Auburn Hills, Mich. - The sporty new 2015 Dodge Challenger will get you noticed, so it's only fitting that Chrysler Group delivers attention-getting technologies.

Features such as Forward Collision Warning (FCW) and adaptive cruise control (ACC) combine with Blind-spot Monitoring (BSM) and Rear Cross Path (RCP) detection to increase driver awareness from almost every vantage point.

Chrysler Group also uses the important Challenger launch to expand availability of its acclaimed Uconnect Access systems and services that afford direct communication with emergency-service dispatchers.

The following list comprises more than 70 available safety and security features, organized by category:

Driver warning and assist, chassis control and brake systems:

1. **Adaptive cruise control (ACC):** Automatically adjusts Challenger's speed to maintain preset distance from the vehicle ahead
2. **All-speed traction control:** While driving, helps keep wheels from spinning by applying individual brakes alone or in combination with engine torque limitation to prevent wheel slip (standard)
3. **Anti-lock brake system (ABS):** Senses and helps prevent wheel-lockup, offering improved steering control under extreme braking and/or slippery conditions (standard)
4. **Anti-lock brake system with rough-road detection:** Detects rough roads or off-road conditions via wheel oscillation and speed; ABS response adjusted to hold the brake pressure for longer pulses (standard)
5. **Blind-spot Monitoring (BSM):** Uses dual ultra wide-band radar sensors to detect vehicles in a driver's blind spots; if detected, the driver is alerted with a driver-selected chime and/or illuminated side-view mirror icons
6. **Brake Assist:** Applies maximum braking power in emergency situations to minimize 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/park interlock (with automatic transmission):** Prevents vehicle from being shifted out of "park," unless pressure applied to brake pedal (standard)
9. **Brake-throttle Override:** Reduces engine power and maintains brake function if brake pedal and accelerator are depressed simultaneously, allowing the driver to stop the vehicle (standard)
10. **Brake-traction control system (BTCS):** Helps keep wheels from spinning during acceleration from a stop or during slow speeds by applying individual brakes to 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 stability control (ESC):** Helps maintain directional stability via selective braking and throttle reduction (standard)
 13. **Forward Collision Warning (FCW):** Using forward-facing radar sensors, system detects when Dodge Challenger may be approaching another vehicle too rapidly and alerts driver accordingly
 14. **Hill-start Assist (HSA):** Assists driver when starting on a hill by maintaining brake pressure applied long enough to depress the accelerator (standard)
 15. **ParkSense rear park assist system:** Detect stationary objects when vehicle is in reverse; alerts driver with audible warning and additional instrument-cluster cue
 16. **ParkView rear backup camera:** Provides a wide-angle view of area immediately behind the vehicle; grid lines assist driver when maneuvering into parking spaces or narrow areas
 17. **Rain Brake Support:** Leverages ESC by occasionally pushing brake pads lightly against brake rotors in rainy conditions to keep rotors dry (standard)
 18. **Ready Alert Braking:** Anticipates situations when driver may initiate emergency braking; uses ESC pump to set brake pads against rotors, decreasing the time required for full brake application (standard)
 19. **Rear Cross Path (RCP) detection:** Activates any time Dodge Challenger is in Reverse; driver is alerted to traffic crossing behind vehicle via illuminated side-view mirror icons and selectable chime

Lighting and visibility systems

20. **Active turn signals:** Turn signal flashes three times when stalk depressed for one second to indicate pending lane change (standard)
21. **Automatic defog:** Enables Dodge Challenger's automatic temperature control (ATC) system to measure humidity inside vehicle and provide fog-free windshield without driver intervention
22. **Automatic headlamps:** Detects dim driving conditions and activates headlamps without driver intervention (standard)
23. **Automatic high-beam headlamps:** Headlamp system adjusts to ambient light and oncoming traffic to deliver maximum lighting
24. **Auto-dimming rearview mirror:** Detects and reduces glare from rearward headlamps without driver intervention (standard)
25. **Center high-mount stop lamp:** Illuminates when brakes applied; makes vehicle more visible in traffic (standard)
26. **Daytime running lamps (DRL):** Provides additional forward illumination for improved awareness
27. **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, flashing the hazard lights and unlocking doors after air bag deployment; also shuts off fuel flow to the engine (standard)
28. **Halogen infrared reflecting bulbs (HIR):** Unique component coating delivers greater light output than conventional bulbs
29. **High-intensity discharge (HID) headlamps:** Provide approximately three times the light output of conventional reflector lamps for improved nighttime illumination
30. **LED tail lamps:** Provide dual function illumination (brake, stop, turn and running light functions) with harmonious and consistent illumination throughout the tail lamp due to individual illumination points (standard)
31. **Rain-sensing wipers:** A convenience feature that automatically senses moisture on windshield and activates wipers

Occupant restraint technology

32. **Advanced multistage air bags:** Inflates with force appropriate to impact severity; tethers also shape air bag to reduce force accordingly; passenger air bag designed to deploy at varying inflation rates, based on occupant position (standard)
33. **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
34. **BeltAlert:** Activates a chime and/or illuminates an instrument-cluster icon, reminding occupants to buckle up (standard)

35. **Child Seat Anchor System:** LATCH (Lower Anchors and Tethers for CHildren) designed to ease installation of compatible aftermarket child seats (standard)
36. **Constant-force retractors (CFR):** Regulates force exerted on occupant by seat belt; tension released in controlled manner (standard)
37. **Head restraints:** Includes rear-center passenger for all seating positions (standard)
38. **Height-adjustable seat belts:** Allows occupant to raise and lower shoulder belt; encourages seat-belt usage by offering a more comfortable fit (standard)
39. **Knee bolster:** Integrated with dashboard; designed to prevent occupant from “submarining” during a crash.
40. **Occupant restraint controller (ORC):** Detects crash and determines if air bag deployment, and degree of same, is appropriate; front seat-belt pretensioners also managed through the controller (standard)
41. **Reactive head restraints:** Designed to reduce injuries by minimizing gap between occupant head and the head restraint; deploys in rear impacts (standard)
42. **Seat-mounted side pelvic-thorax air bags:** Provide enhanced protection to driver and front outboard passenger in certain impacts; housed within the outboard side of each front seat (standard)
43. **Side-curtain air bags:** Provide enhanced protection to outboard occupants in certain crashes (standard)
44. **Seat-belt pretensioners:** Designed to remove seat-belt slack for front-row occupants early in a crash (standard)
45. **Three-point seat belts:** Lap and shoulder belts; all five seating positions

Structural systems

46. **Crumple zones:** Designed to compress during impact to absorb energy; decreases transfer of that energy to occupants (standard)
47. **Energy-absorbing steering column:** Comprises two hydroformed coaxial tubes that can move relative to each other to enable energy absorption during a crash; power-adjust steering column employs calibrated bending element that deforms during column stroke for optimal energy management (standard)
48. **Power tilt-and-telescoping steering column with memory:** Allows steering column to tilt and move toward or away from driver to achieve a safe and comfortable distance from the advanced multistage front driver air bag, if deployed
49. **Safety-cage body structure:** Helps protect occupants by managing and controlling energy in event of an impact (standard)
50. **Side-guard door beams:** Help protect occupants during side impact (standard)

Emergency connectivity and other safety and security features

51. **9-1-1 call/Assist Call:** Enabled by built-in data connection, 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
52. **Auto-reverse sunroof:** Advanced sensing system that automatically engages and reverses the sunroof to the open position
53. **Auto-reverse windows:** Advanced sensing system that automatically engages and reverses the power windows to the open position
54. **Bluetooth handsfree phone connectivity:** In-vehicle, voice-activated communication system that allows drivers to use Bluetooth-compatible phones while keeping their hands on the wheel and eyes on the road (standard)
55. **Express up/down windows:** One-touch powered express up/down window button located on the driver and front passenger-side doors (standard)
56. **Inside emergency trunk release:** A glow-in-the-dark release handle, which may be activated in the event of an adult or child being inadvertently trapped inside the trunk (standard)
57. **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)
58. **Keyless Enter ‘n’ Go:** Presence of key fob enables push-button start; also enables remote deck lid opening (standard)
59. **PowerNet:** Dodge Challenger’s new electrical architecture, delivering connectivity between advanced technologies and in-vehicle personalization, for enhanced driver awareness (standard)

- 60. **Remote keyless entry:** Locks and unlocks doors and turns on interior lamps; if vehicle is equipped with the optional security alarm, the remote also arms and disarms that system (standard)
- 61. **Remote start:** Conveniently starts engine and activates key comfort settings based on ambient conditions via key fob
- 62. **Sentry Key engine immobilizer:** Embedded transponder in key fob features preprogrammed security code to shut off engine after a few seconds, discouraging vehicle theft (standard)
- 63. **SiriusXM Travel Link:** Provides passengers with real-time information and entertainment to make every trip more efficient and secure
- 64. **Tire-pressure monitoring (TPM):** Informs driver when tire pressure is too low; individual tire pressures can be displayed in the EVIC. (standard)
- 65. **Uconnect Access mobile hot spot:** Turns vehicle into mobile Internet hot spot; available to registered Uconnect Access subscribers
- 66. **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
- 67. **Uconnect Access voice-to-text:** Enables cloud-based text-message dictation via compatible Bluetooth-enabled cell phones; available to registered Uconnect Access subscribers
- 68. **Uconnect Access Stolen Vehicle Location Assistance:** Leverages GPS data-sending capability to help authorities find stolen vehicles
- 69. **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
- 70. **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
- 71. **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

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