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High-performance Drivetrain in 2018 Dodge Challenger SRT Demon Wins Roadshow Driveline Technology of the Year Award

January 17, 2018, Auburn Hills, Mich. - "Roadshow by CNET" has named the high-performance drivetrain in the [2018 Dodge Challenger SRT Demon](#) as the winner of the 2018 Roadshow Shift Award in the Driveline Technology of the Year category.

Designed, engineered and built for absolute drag strip domination, the limited-production 2018 Dodge Challenger SRT Demon is powered by a 840-horsepower, supercharged 6.2-liter HEMI® Demon V-8 engine, making it the most powerful muscle car ever and the world's fastest quarter-mile production car with an elapsed time of 9.65 seconds at 140 miles per hour, as certified by National Hot Rod Association.

To make all that horsepower and immense 770 pounds-feet of torque transfer to the pavement, Dodge//SRT engineers used a variety of proven drag racing strategies and several technology-firsts to build the first-ever production car to produce a front-wheel lift as certified by Guinness World Records.

"We saw some amazing innovations on the powertrain front this year, and this was a hotly contested category, but in the end, the Roadshow team couldn't resist the lure of the Demon," said Tim Stevens, editor-in-chief, Roadshow by CNET. "The power output is of course phenomenal, but it's the extent of the technology that really impressed us, like ducting the air conditioning to chill the intake air. It's a hell of a package."

"Our performance-minded designers and engineers worked tirelessly to shake the foundation of the entire performance car industry with the 840-horsepower Dodge Challenger SRT Demon," said Tim Kuniskis, head of passenger cars, Dodge//SRT, Chrysler and FIAT, FCA North America. "In the quest for domination at the drag strip, Dodge//SRT engineers reviewed and strengthened every piece of the drivetrain to ensure it provides the ultimate in performance and durability."

Updates include:

- Supercharged 6.2-liter HEMI Demon V-8 engine produces 840 horsepower and 770 pounds-feet of torque when equipped with available Direct Connection engine controller (first ever for production car) and fueled with 100+ high-octane unleaded fuel. Engine develops 808 horsepower and 717 pounds-feet of torque with 91-octane fuel
- Air-Grabber™ induction system includes the largest functional hood scoop (45.2 square inches) of any production car
- First-ever, factory-production car with TransBrake combined with Torque Reserve, to deliver the highest g-force acceleration of any production car
- After-Run Chiller (production car first) runs the cooling fan and the low-temperature circuit coolant pump after engine shutdown
- Award-winning and factory production car first SRT Power Chiller™ redirects air conditioning refrigerant to help cool compressed air entering the supercharged Demon V-8 engine
- Bilstein Adaptive Damping shocks have been tuned for drag racing, shifting as much weight as possible on the rear tires at launch for maximum traction. The weight transfer improves rear tire grip by 11 percent
- Drag Mode Launch Assist (factory car first) uses wheel speed sensors to watch for driveline-damaging wheel hop at launch and in milliseconds modifies the engine torque to regain full grip
- Factory-installed, 315/40R18 Nitto street-legal drag radials for improved grip and 40 percent more launch force compared with standard SRT Challenger Hellcat tires
- Available narrow "front runner" wheels for use at drag strips to cut front-end weight and rolling

resistance

The Dodge Challenger SRT Demon's driveline components were also upgraded to get all that power and torque to the rear wheels, on every run. Changes include:

- Upgraded prop shaft with a 15 percent increase in torque capacity. The prop shaft uses high-strength steel. Shaft tube thickness increases by 20 percent, and the stub shafts are heat treated for enhanced durability
- The rear differential housing has 30 percent more torque capacity. The housing is made from heat-treated A383 aluminum alloy. New material for the gear set has higher fatigue strength, with a deeper case hardening depth and two-step shot-peening manufacturing process to increase compressive residual stress
- The rear half shafts are larger in diameter; use a high-strength, low-alloy steel; and have 41 splines (up from 38), delivering a 20 percent increase in torque capacity. Eight-ball joints handle more torque, while reducing operating temperatures by more than 86 degrees Fahrenheit

More about the 2018 Dodge Challenger SRT Demon

Production of the [2018 Dodge Challenger SRT Demon](#) is limited to 3,300 vehicles – 3,000 for the United States and 300 for Canada – with a U.S. Manufacturer's Suggested Retail Price (MSRP) of \$84,995, including \$1,700 gas guzzler tax, excluding \$1,095 destination.

The Challenger SRT Demon is covered by FCA US LLC factory warranty, including three-year/36,000-mile limited vehicle warranty and five-year/60,000-mile limited powertrain coverage.

All 2018 Dodge Challenger SRT Demon owners receive one full-day session at Bob Bondurant School of High-performance Driving in the newly announced [Dodge//SRT Bondurant Drag Racing School](#).

The Roadshow Shift Awards highlight the best in innovative, disruptive technologies and products in the automotive world. With cars becoming more complex as transportation and tech sectors converge, it's become harder for consumers to know what developments and products matter most for their lives. The Roadshow Shift awards cut through the confusion and the sizzle to recognize the most innovative and important developments in the car industry each year. Award winners aren't just class benchmarks, they're driving the industry towards a smarter, more sustainable and entertaining future.

Award categories include:

- Disruptor of the Year
- Driveline Tech of the Year
- Cabin Tech of the Year
- Safety Tech of the Year
- Vehicle of the Year

Dodge//SRT

For 110 years, the Dodge brand has carried on the spirit of brothers John and Horace Dodge. Their influence continues today as Dodge shifts into high gear with a lineup that delivers unrivaled performance in each of the segments in which the brand competes while moving forward to a future that includes electrified muscle in the form of the next-generation, all-new Dodge Charger.

The next-generation Dodge Charger electrifies a legend, with the Charger retaining its title as the world's quickest and most powerful muscle car led by the all-new, all-electric 2024 Dodge Charger Daytona Scat Pack. The all-new Dodge Charger will also offer performance choices via multi-energy powertrain options including the 550-horsepower Dodge Charger SIXPACK H.O., powered by the 3.0L Twin Turbo Hurricane High Output engine.

Dodge also keeps its foot on the gas as a pure performance brand with the 710-horsepower Dodge Durango SRT Hellcat, the most powerful SUV ever, and best-in-class standard performance in the compact utility vehicle segment with the Dodge Hornet.

Dodge is part of the portfolio of brands offered by leading global automaker and mobility provider Stellantis. For more

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