

Contact: Amy Knight

Todd Goyer

2007 Dodge Caliber SRT4: Engineering

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ENGINEERING

Kipp Owen, Director – Street and Racing Technology, Chrysler Group: *"From its 300-horsepower, turbocharged World Engine to its race-bred suspension and incredible braking, the all-new 2007 Dodge Caliber SRT4 combines SRT performance with the Dodge Caliber's innovative packaging and appointments."*

The 2007 Dodge Caliber's all-new World Engine is produced at the Global Engine Manufacturing Alliance facility in Dundee, Mich. The engine's aluminum 2.4-liter block is specially machined for increased water and oil flow, and its aluminum cylinder head is equipped with unique high-temperature exhaust valves and variable valve timing for efficient combustion and flow.

Power goes to a six-speed manual transmission equipped with a limited-slip differential for uniform side-to-side power transfer, which is capable of handling up to 300 lb.-ft. (407 N•m) of torque.

The all-new 2007 Dodge Caliber SRT4 rides on SRT-unique, 19-inch cast-aluminum wheels with 225/45R19 W-rated Goodyear tires. Upgrades to the standard 2007 Dodge Caliber's MacPherson strut front suspension include new suspension knuckles and tuned dampers with revised spring rates. Unique front and rear sway bars keep body roll to a minimum during hard cornering.

The Electronic Stability Program is uniquely calibrated for the 2007 Dodge Caliber SRT4 to provide excellent directional stability in all driving modes. In addition, stability is enhanced with a ride height one-half inch lower than the standard 2007 Dodge Caliber.

The 2007 Dodge Caliber SRT4 benefits from braking-system components sourced from mid-size and larger cars. Vented brake rotors for the 2007 Dodge Caliber SRT4 are 340 mm x 28 mm in front and 302 mm x 10 mm in the rear.

The anti-lock brake system was uniquely calibrated for the all-new 2007 Dodge Caliber SRT4's performance to maintain directional stability without wheel lockup.

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