

2008 Dodge Challenger SRT8® Specifications

Dimensions are in inches (millimeters) unless otherwise noted.

GENERAL INFORMATION

Body Style.....Coupe
 Assembly Plant Brampton, Ontario, Canada
 EPA Vehicle Class..... Intermediate car
 Introduction DateApril 2008

ENGINE: 6.1-LITER HEMI® V8

Type and Description90-degree V-type, liquid-cooled
 Displacement370 cu. in. (6059 cu. cm)
 Bore x Stroke4.06 x 3.58 (103.0 x 90.9)
 Valve SystemPushrod-operated overhead valves, 16 valves,
 conventional hydraulic lifters, all with roller followers
 Fuel Injection.....Sequential, multi-port, electronic, returnless
 ConstructionDeep-skirt cast-iron block with cross-bolted main bearing caps,
 aluminum alloy heads with hemispherical combustion chambers
 Compression Ratio.....10.3:1
 Power (estimated SAE Net).....425 bhp @ 6200 rpm, (69.8 bhp/L)
 Torque (estimated SAE Net)420 lb.-ft. (310 N•m) @ 4800 rpm
 Max. Engine Speed.....6400 rpm (electronically limited)
 Fuel RequirementUnleaded premium 91 octane (R+M)/2 recommended
 Oil Capacity7 qt. (6.6 L)
 Coolant Capacity.....14 qt. (13.25 L)
 Emission ControlsDual close-coupled 3-way catalytic converters,
 quad heated oxygen sensors and internal engine features
 Max. Gross Trailer Weight.....Not recommended
 Estimated EPA Fuel Economy, mpg (City/Hwy).....(13/18)

TRANSMISSION: AUTOMATIC, 5-SPEED OVERDRIVE (W5A580)

DescriptionAdaptive electronic control or AutoStick® driver-
 interactive manual control and electronically modulated torque converter clutch
 Gear Ratios
 1st.....3.58
 2nd.....2.19
 3rd.....1.41
 4th.....1.00
 5th.....0.83
 Reverse3.17
 Final Drive Ratio..... 6.1L - 3.06
 Overall Top Gear.....6.1L - 2.54

ELECTRICAL SYSTEM

Alternator 160A
 Battery.....630 CCA, maintenance-free

DIMENSIONS AND CAPACITIES

Wheelbase, in. (mm)116.0 (2,946)
 Track, Front, in. (mm)63.0 (1603)

Track, Rear, in. (mm).....	63.1 (1604)
Overall Length, in. (mm)	197.7 (5,023)
Overall Width, in. (mm)	75.7 (1,923)
Overall Height, in. (mm).....	57.0 (1,448)
Ground Clearance, in. (mm)	@ curb 5.5 (140.6)
Frontal Area, sq. ft. (sq. m)	25.3 (2.35)
Drag Coefficient.....	0.353 (9.01 CdA)
Curb Weight, estimated, lb. (kg)	4140 (1878)
Weight Distribution, percent F/R.....	55.6/44.4
Fuel Tank Capacity, gal.	19 gal.

ACCOMMODATIONS

Seating Capacity, F/R.....2/3

Front Seat

Headroom, in. (mm)	39.5 (1,004)
Leg Room, in. (mm).....	42.0 (1,067)
Shoulder Room, in. (mm).....	58.2 (1,478)
Hip Room, in. (mm)	54.7 (1,390)
Seat Travel, mm	Interior driver – 270 mm, Passenger – 220 mm
Recliner Angle Range, deg.	Interior driver – 86 deg. passenger – 69 deg.
SAE Front Volume Index, cu. ft. (cu. m).....	55.8 (1.58)

Rear Seat

Headroom, in. (mm)	37.4 (951)
Leg Room, in. (mm).....	32.6 (829)
Knee Clearance, in. (mm)	1.2 (31.1)
Shoulder Room, in. (mm).....	53.9 (1,370)
Hip Room, in. (mm)	51.4 (1,305.4)
SAE Rear Seat Volume Index, cu. ft. (cu. m).....	38.1 (1.08)
Total Interior Volume, cu. ft. (cu. m)	93.9 (2.66)
SAE Cargo Volume cu. ft. (cu. m) (Charger)	16.2 (0.459)
EPA Interior Volume Index, cu. ft. (cu. m)	110.1 (3.12)
Trunk Lifter Height, in. (mm).....	33.0 (839)

All dimensions measured at curb weight with standard tires.

BODY

LayoutLongitudinal front engine, rear-wheel drive
 ConstructionUnitized steel body

STEERING

Type.....	Rack and pinion with hydraulic power assist
Overall Ratio	16.1:1
Turning Diameter (curb-to-curb)	37.5 ft. (11.48 m)
Steering Turns (lock-to-lock)	2.75

SUSPENSION

FrontIndependent SLA with high upper “A” arm,
 coil spring over bilstein monotube gas-charged shock absorbers and stabilizer
 bar – Std. Lateral and diagonal lower links – Std.
 Rear.....Five-link independent with coil springs, link-type stabilizer bar,
 bilstein monotube gas-charged shock absorbers and isolated suspension cradle – Std.

TIRES

Size and Type245/45 R20 frt P255/45 R20 rr 3-season tires
Mfr. and ModelGoodyear F1 Supercar
Revs per Mile.....726 frt/718 rr
Availability..... Opt.
Size and Type 245/45 R20 all-season performance
Mfr. and ModelGoodyear RSA/SRT
Revs per Mile (km)..... 731 (456)
Other sizes and brands may also be used.

WHEELS

Availability.....Std.
Type and Material..... Fully forged aluminum
Size20 x 9.0

BRAKES

Front

Rotor Size and Type..... 14.2 x 1.26 (360 x 32.0) vented
Caliper Size and Type..... 1.73 (44) Brembo 4-piston fixed with aluminum housing
Swept Area.....351 sq. in. (2261 sq. cm)

Rear

Rotor Size and Type..... 13.8 x 1.10 (350 x 28) vented
Caliper Size and Type..... 11.26 (32) Brembo 4-piston fixed with aluminum housing
Swept Area.....316 sq. in. (2036 sq. cm)
Four-Wheel Anti-Lock and Traction Control.....Std.
Electronic Stability Control and Brake AssistStd.
Brake Knockback Mitigation _____ Std
Power Assist Type8 + 9 (203 + 209) tandem-diaphragm vacuum booster