

2012 Dodge Challenger SRT8® 392
SPECIFICATIONS

All dimensions are in inches (millimeters) unless otherwise noted.
All dimensions are measured at curb weight with standard tires and wheels.

Note: Information shown is correct at time of publication, and is subject to change without notice.

GENERAL INFORMATION

Body Style	Two-door coupe
Assembly Plant	Brampton, Ontario, Canada
EPA Vehicle Class	Intermediate car
Introduction Date	Fall 2010 as 2011 model

ENGINE: 392 HEMI® V-8 (6.4 L)

Availability	Standard
Type and Description	90-degree V-type, liquid-cooled
Displacement	392 cu. in. (6,424 cu. cm)
Bore x Stroke	4.09 x 3.72 (103.9 x 94.5)
Valve System	Pushrod-operated overhead valves, 16 valves with sodium-filled exhaust valves and hollow stem intake valves, 16 conventional hydraulic lifters, all with roller tips
Fuel Injection	Sequential, multi-port, electronic, returnless; automatic features Fuel Saver mode
Construction	Deep-skirt cast-iron block with cross-bolted main bearing caps, aluminum alloy heads with hemispherical combustion chambers
Compression Ratio	10.9:1
Power (estimated SAE net)	470 bhp (351 kW) @ 6,000 rpm (73.4 bhp/L)
Torque (estimated SAE net)	470 lb.-ft. (637 N•m) @ 4,200 rpm
Max. Engine Speed	6,400 rpm (electronically limited)
Fuel Requirement	Premium 91 octane (R+M)/2 — recommended
Oil Capacity	7 qt. (6.6L)
Factory Oil Fill	5W-40 Synthetic
Coolant Capacity	14 qt. (13.25L)
Emission Controls	Dual close-coupled three-way catalytic converters, quad-heated oxygen sensors and internal engine features[(a)]
Max. Gross Trailer Weight	Not rated for trailer-tow
EPA Fuel Economy mpg (City/Hwy)	14/23 (manual or automatic)

(a) Meets Federal Tier 2, Bin 5 emissions requirements; marketed in California as an LEV II (Low Emission Vehicle) under cleanest vehicle rules.



TRANSMISSION: W5A580 FIVE-SPEED AUTOMATIC

Availability	Optional
Description	Adaptive electronic control, performance-tuned Auto Stick driver-interactive manual control and electronically modulated torque converter clutch
Gear Ratios	
1st	3.59
2nd	2.19
3rd	1.41
4th	1.00
5th	0.83
Reverse	3.16
Final Drive Ratio	3.06 – Getrag limited-slip differential
Overall Top Gear	2.54

TRANSMISSION: SIX-SPEED MANUAL TREMEC TR-6060 with ZF-SACHS 240 MM TWIN-DISC CLUTCH

Availability	Standard
Description	Triple cone (1^{st}, 2^{nd}) / double cone (3^{rd}-6^{th}) synchronizer design; 1-4 skip shift and reverse inhibit solenoids; 5:1 remote shifter
Gear Ratios	
1st	2.97
2nd	2.10
3rd	1.46
4th	1.00
5th	0.74
6th	0.50
Reverse	2.90
Final Drive Ratio	3.91 – Getrag limited-slip differential

ELECTRICAL SYSTEM

Alternator	220-amp
Battery	H7 case, 730 CCA, maintenance free

DIMENSIONS AND CAPACITIES[(b)]

Wheelbase	116.0 (2,946)
Track, Front	63.0 (1,603)
Track, Rear	63.1 (1,604)
Overall Length	197.7 (5,023)
Overall Width	75.7 (1,923)
Overall Height	57.1 (1,449)
Ground Clearance	4.8 (122.2)



Frontal Area, sq. ft. (sq. m)	25.6 (2.37)
Drag Coefficient	0.356
Curb Weight, lb. (kg)—Est.	4,160 (automatic) 4,170 (manual)
Weight Distribution, percent F/R	54.4/45.6 (automatic) 54.6/45.4 (manual)
Fuel Tank Capacity, gal. (L)	19 (71.9)

(b) All dimensions measured at curb weight with standard tires.

ACCOMMODATIONS

Seating Capacity, F/R	2/3
Front Seat	
Head Room	39.3 (999)
Legroom	42.0 (1,067)
Shoulder Room	58.2 (1,477)
Hip Room	54.6 (1,387)
Seat Travel	Driver — 10.6 (270), passenger — 8.7 (220)
Recliner Angle Range, deg.	Driver — 64, passenger — 63
SAE Front Volume Index, cu. ft. (cu. m)	55.8 (1.58)
Rear Seat	
Head Room	37.4 (950)
Legroom	32.6 (829)
Knee Clearance	1.2 (31.1)
Shoulder Room	53.9 (1,368)
Hip Room	48.6 (1,236)
SAE Rear Seat Volume Index, cu. ft. (cu. m)	38.1 (1.08)
Total Interior Volume, cu. ft. (cu. m)	91.5 (2.59)
SAE Cargo Volume, cu. ft. (cu. m)	16.2 (0.46)
EPA Interior Volume Index, cu. ft. (cu. m)	107.7 (3.05)
Trunk Lift-over Height	33.0 (839)

BODY

Layout	Longitudinal front engine, rear-wheel drive
Construction	Unitized steel body

EXHAUST

Type	Dual 2.75-in. with rectangular chromed tips and performance-tuned exhaust note



SUSPENSION	
SRT-tuned Front and Rear Suspension	
Front	Independent SLA with high upper “A” arm, coil spring over gas-charged monotube Bilstein shock absorbers and 30 mm stabilizer bar, lateral and diagonal lower links
Rear	Five-link independent with coil springs, link-type 16 mm stabilizer bar, gas-charged monotube Bilstein shock absorbers and isolated suspension cradle

STEERING	
Type	Rack and pinion with hydraulic power assist
Overall Ratio	14.4:1
Turning Diameter (curb-to-curb)	37.5 ft. (11.48 m)
Steering Turns (lock-to-lock)	2.75
P/S Pump	Fixed displacement

TIRES[(c)]	
Front and Rear	Standard on Challenger SRT8
Size and Type	245/45ZR20 all-season
Mfr. and Model	Goodyear Eagle RSA
Revs per Mile (km)	731 (456) front and rear
Front	Optional on Challenger SRT8
Size and Type	P245/45ZR20 three-season
Mfr. and Model	Goodyear F1 Supercar
Revs per Mile (km)	726 (450)
Rear	Optional on Challenger SRT8
Size and Type	P255/45ZR20 three-season
Mfr. and Model	Goodyear F1 Supercar
Revs per Mile (km)	718 (445)

(c) Other sizes and brands may also be used.

WHEELS	
Standard	
Type and Material	Fully forged aluminum
Size	20 x 9 in.

BRAKES	
Front	
Rotor Size and Type	14.2 x 1.26 (360 x 32.0) vented and slotted
Caliper Size and Type	1.73 (44) Brembo four-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	1.26 (32) Brembo four-piston fixed with aluminum housing
Swept Area	316 sq. in. (2,036 sq. cm)
Four-wheel Anti-lock Brake System (ABS) and Traction Control	Standard
Electronic Stability Control (ESC) and Brake Assist	Standard
Brake Knockback Mitigation	Standard
Hill-start Assist (HSA)	Standard with manual transmission
Three-position ESC/Traction Control Mode Selection	Standard
Power-assist Type	8 + 9 (203 + 209) tandem-diaphragm vacuum booster

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