



# DODGE CHALLENGER SRT8 392

Specifications

## 2013 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

Vehicle Type	Two-door coupe
Assembly Plant	Brampton, Ontario, Canada
EPA Vehicle Class	Intermediate car
Introduction Date	Summer 2012 as 2013 model

### BODY

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

### ENGINE: 392 HEMI® V-8 (6.4 Liter)

Availability	Standard
Type and Description	90-degree V-type, liquid-cooled
Displacement	392 cu. in. (6,417 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/liter)
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. (6.6 liter)
Factory Oil Fill	0W-40 Pennzoil Ultra synthetic
Coolant Capacity	14 qt. (13.25 liter)
Emission Controls	Dual close-coupled three-way catalytic converters, quad-heated oxygen sensors and internal engine features <sup>(a)</sup>
Exhaust Type	Dual 2.75-in. with rectangular chromed tips and performance-tuned exhaust note



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Max. Gross Trailer Weight	Not rated for trailer-tow
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EPA Fuel Economy mpg (City/Hwy)	14/23 (manual or automatic)
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(a) Meets Federal Tier 2, Bin 5 emissions requirements; marketed in California as an LEV II (Low Emission Vehicle) under cleanest vehicle rules.

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

Availability	Standard
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Description	Triple cone (1 <sup>st</sup> , 2 <sup>nd</sup> ) / double cone (3 <sup>rd</sup> -6 <sup>th</sup> ) synchronizer design; 1-4 skip shift and reverse inhibit solenoids; 5:1 remote shifter
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### Gear Ratios

1st	2.97
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2nd	2.10
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3rd	1.46
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4th	1.00
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5th	0.74
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6th	0.50
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Reverse	2.90
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Final Drive Ratio	3.91 – Getrag limited-slip differential
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## TRANSMISSION: W5A580 FIVE-SPEED AUTOMATIC

Availability	Optional
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Description	Adaptive electronic control or driver-interactive manual control with Auto Stick or paddle controls; with “Track” mode (features performance shifting and gear holding feature combined with “Sport” mode suspension damping rates)
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### Gear Ratios

1st	3.59
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2nd	2.19
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3rd	1.41
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4th	1.00
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5th	0.83
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Reverse	3.16
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Final Drive Ratio	3.06 – Getrag limited-slip differential
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Overall Top Gear	2.54
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## ELECTRICAL SYSTEM

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

Type	SRT tuned three-mode adaptive damping system: "Auto" mode = sporty but compliant ride; "Sport" mode = firm, maximum handling; "Track" mode = firm, maximum handling plus performance shifting and gear holding feature
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

## 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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## DIMENSIONS AND CAPACITIES<sup>(b)</sup>

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. (liter)	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)



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## TIRES<sup>(c)</sup>

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

Availability	Standard on Challenger SRT8 392
Type and Material	Five-spoke polished aluminum with black pockets
Size	20 x 9
Availability	Optional on Challenger SRT8 392 (Late Availability)
Type and material	Split five spoke, fully forged aluminum with Black Vapor chrome finish
Size	20 x 9.0

