



Challenger SRT

SPECIFICATIONS

2015 Dodge Challenger SRT 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	Fall 2014 as 2015 model

BODY

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

ENGINE: SUPERCHARGED 6.2-LITER HEMI® HELLCAT V-8

Availability	Standard on Challenger SRT Hellcat
Type and Description	90-degree V-type, liquid-cooled
Displacement	376 cu. in. (6,166 cu.cm)
Bore x Stroke	4.09 x 3.58 (103.9 x 90.9)
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, multiport, electronic, returnless
Construction	Deep-skirt cast-iron block with cross-bolted main bearing caps, unique aluminum alloy heads with hemispherical combustion chambers
Compression Ratio	9.5:1
Power (estimated SAE net)	707 bhp (527 kW) @ 6,000 rpm (114 bhp/liter)
Torque (estimated SAE net)	650 lb.-ft (881 N•m) @ 4,000 rpm
Max. Engine Speed	6,200 rpm
Fuel Requirement	Premium 91 octane (R+M)/2 — recommended
Oil Capacity	7.5 qu. (7.1-liters)
Factory Oil Fill	0W-40 Pennzoil Ultra™ synthetic
Coolant Capacity	14 qt. (13.25 liter)
Intercooler System	Separate low-temp cooling system with dual water-to-air intercoolers and a high-flow variable-speed electric water pump



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Emission Controls	Dual close-coupled three-way catalytic converters heated wide range upstream and switching downstream O2 sensors and internal engine features. ^(a)
Exhaust Type	Dual 2.75-in straight-through exhaust system with twin Electronic Exhaust Valves (EEV) with rectangular Black Vapor-chromed tips
Max. Gross Trailer Weight	Not rated for trailer-tow
EPA Fuel Economy mpg (city/hwy)	TBD manual TBD automatic

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

ENGINE: 392 HEMI V-8 (6.4 liter)

Availability	Standard on Challenger SRT 392
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, multiport, 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 (SAE net)	485 bhp (362 kW) @ 6,100 rpm (75.8 bhp/liter)
Torque (SAE net)	475 lb.-ft. (644 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 ^(a)
Exhaust Type	Dual 2.75-in straight-thru exhaust system with twin Electronic Exhaust Valves (EEV) with rectangular chromed tips
Max. Gross Trailer Weight	Not rated for trailer-tow
EPA Fuel Economy mpg (city/hwy)	14/23 manual 15/25 automatic

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



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TRANSMISSION: SIX-SPEED MANUAL TREMEC TR-6060 WITH ZF-SACHS 240 MM TWIN-DISC CLUTCH (392 HEMI V-8, 6.4-liter)

Availability	Standard on Challenger SRT 392
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	3.90 – Asymmetric-limited slip, performance-tuned
Overall Top Gear	1.95

TRANSMISSION: SIX-SPEED MANUAL TREMEC TR-6060 with ZF-SACHS 258 MM TWIN-DISC CLUTCH (Supercharged 6.2-liter HEMI)

Availability	Standard on SRT Hellcat
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	2.26
2nd	1.58
3rd	1.19
4th	1.00
5th	0.77
6th	0.63
Reverse	2.90
Final Drive Ratio	3.70 – Asymmetric-limited slip, performance-tuned
Overall Top Gear	2.33



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TRANSMISSION: TORQUEFLITE 8HP70 EIGHT-SPEED AUTOMATIC ZF 8HP70 (392 HEMI 6.4-LITER V-8) / TORQUEFLITE 8HP90 (SUPERCHARGED 6.2-LITER HEMI HELLCAT)

Availability	Optional
Description	Adaptive electronic control with full manual control via gear selector or paddle shifters, with three SRT-unique selectable modes: Street, Sport and Track (features performance shifting and gear holding feature)
Gear Ratios	
1st	4.71
2nd	3.14
3rd	2.10
4th	1.67
5th	1.29
6th	1.00
7 th	0.84
8 th	0.67
Reverse	3.30
Final Drive Ratio	2.62 – Asymmetric-limited slip, performance-tuned (6.2 liter) 3.09 – Asymmetric-limited slip, performance-tuned (6.4 liter)
Overall Top Gear	1.76 (6.2 liter) 2.07 (6.4 liter)

ELECTRICAL SYSTEM

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

SUSPENSION

Type	SRT-tuned three-mode adaptive damping system: Street mode = sporty, compliant ride; Sport mode = firm, improved handling; Track mode = firmest, maximum handling (SRT 392 and SRT Hellcat)
Front	Independent SLA with high upper “A” arm, coil spring over gas-charged ADS Bilstein® shock absorbers and 32 mm hollow stabilizer bar, lateral and diagonal lower links (SRT 392) Independent SLA with high upper “A” arm, coil spring over gas-charged ADS Bilstein shock absorbers and 34 mm solid stabilizer bar, lateral and diagonal lower links (SRT Hellcat)



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Rear	Five-link independent with coil springs, link-type 19 mm hollow stabilizer bar, gas-charged ADS Bilstein shock absorbers and isolated suspension cradle (SRT 392)
	Five-link independent with coil springs, link-type 22 mm solid stabilizer bar, gas-charged ADS Bilstein shock absorbers and isolated suspension cradle (SRT Hellcat)

STEERING

Type	Rack and pinion with multi-mode electric assist (SRT 392)
	Rack and pinion with hydraulic power assist (SRT Hellcat)
Overall Ratio	14.4:1
Turning Diameter (curb-to-curb)	38.5 ft. (11.73 m) (6.2 liter)
	37.5 ft. (11.48 m) (6.4 liter)
Steering Turns (lock-to-lock)	2.56 (6.4 liter)
	2.52 (6.2 liter)
P/S Pump	Fixed displacement (hydraulic) (6.2 liter only)

BRAKES

Front (Challenger SRT and Challenger SRT Hellcat)	
Rotor Size and Type	15.4 x 1.34 (390 x 34.0) two-piece aluminum hat, vented and slotted
Caliper Size and Type	1.42 (36 mm) Brembo® six-piston fixed monoblock aluminum
Swept Area	424 sq. in. (2735 sq. cm)
Rear (Challenger SRT and Challenger SRT Hellcat)	
Rotor Size and Type	13.8 x 1.10 (350 x 28) vented and slotted
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
Four (Street, Sport, Track, Off) -position ESC/Traction Control Mode Selection	Standard
Power-assist Type	8 + 9 (203 + 209) tandem-diaphragm vacuum booster
Active Exhaust	Standard



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DIMENSIONS AND CAPACITIES^(b)

Wheelbase	116.17 (2,951) (Challenger SRT Hellcat and Challenger SRT 392)
Track, Front	64.0 (1625) (Challenger SRT Hellcat)
	63.4 (1,611) (Challenger SRT 392)
Track, Rear	63.7 (1,618) (Challenger SRT Hellcat)
	63.1 (1,604) (Challenger SRT 392)
Overall Length	197.5 (5018) (Challenger SRT Hellcat)
	198.0 (5,028) (Challenger SRT 392)
Overall Width	75.7 (1,923) (Challenger SRT 392 and Challenger SRT Hellcat)
Overall Height	55.7 (1,416) (Challenger SRT Hellcat)
	55.9 (1,419) (Challenger SRT 392)
Ground Clearance	4.5 (115) (Challenger SRT Hellcat)
	4.7 (120) (Challenger SRT 392)
Frontal Area, sq. ft. (sq. m)	25.9 (2.40) (Challenger SRT Hellcat)
	25.6 (2.37) (Challenger SRT 392)
Drag Coefficient	0.380 (Challenger SRT Hellcat)
	0.356 (Challenger SRT 392)
Curb Weight, lb. (kg) — Est.	4,439 (2013.5) (6.2 liter automatic/ Challenger SRT Hellcat)
	4,449 (2018) (6.2 liter manual/ Challenger SRT Hellcat)
	4,251 (1928) (6.4 liter automatic/ Challenger SRT 392)
	4,240 (1923) (6.4 liter manual/ Challenger SRT 392)
Weight Distribution, percent F/R	57/43 (6.2 liter automatic and manual/ Challenger SRT Hellcat)
	55/45 (6.4 liter automatic and manual/ Challenger SRT 392)
Fuel Tank Capacity, gal. (liter)	18.5 (70.0)

(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	58.5 (1,485)
Hip Room	55.3 (1,404)
Seat Travel	Driver — 10.0 (255)
	Passenger — 8.7 (220)



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Recliner Angle Range, deg.	Driver — 64 Passenger — 63
SAE Front Volume Index, cu. ft. (cu. m)	55.8 (1.58)
Rear Seat	
Head Room	37.1 (942)
Legroom	33.1 (840)
Knee Clearance	0.2 (4.4)
Shoulder Room	53.9 (1,368)
Hip Room	47.8 (1215)
SAE Rear Seat Volume Index, cu. ft. (cu. m)	37.9 cu. ft. (1.07)
Total Interior Volume, cu. ft. (cu. m)	93.9 cu. ft. (2.67)
SAE Cargo Volume, cu. ft. (cu. m)	16.2 cu. ft. (0.459)
EPA Interior Volume Index, cu. ft. (cu. m)	110.136 cu. ft. (3.12)
Trunk Lift-over Height	33.2 (845)

TIRES^(c)

Front and Rear	Standard on Challenger SRT and Challenger SRT Hellcat
Size and Type	275/40ZR20 All-season
Mfr. and Model	Pirelli (PZero Nero All-season)
Revs per Mile (km)	720.9 (448)
Front and Rear	Optional on Challenger SRT 392 and Challenger SRT Hellcat
Size and Type	275/40ZR20 Three-season
Mfr. and Model	Pirelli (PZERO)
Revs per Mile (km)	718.7 (446.6)

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

WHEELS

Availability	Standard on Challenger SRT 392
Type and material	SRT-exclusive, "Slingshot" split seven spoke, forged aluminum with Hyper Black finish
Size	20 x 9.5
Availability	Standard on Challenger SRT Hellcat
Type and material	SRT-exclusive, "Slingshot" split seven spoke, forged aluminum with matte Black finish
Size	20 x 9.5



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Availability	Optional on Challenger SRT Hellcat
Type and material	SRT-exclusive, "Slingshot" split seven spoke, forged aluminum with Brass Monkey/dark bronze finish
Size	20 x 9.5

