



# Challenger SRT

## CANADIAN SPECIFICATIONS

## 2015 Dodge Challenger SRT CANADIAN SPECIFICATIONS

Specifications are based on the latest product information available at the time of publication.

All dimensions are in millimetres (inches) unless otherwise noted.

All dimensions measured at curb weight with standard tires and wheels.

### GENERAL INFORMATION

Vehicle Type	Two-door coupe
Assembly Plant	Brampton, Ontario
EnerGuide Vehicle Class	Mid-size
Introduction Date	Fall 2014 as 2015 model

### BODY

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

### ENGINE: SUPERCHARGED 6.2L HEMI® HELLCAT V8

Availability	Standard on Challenger SRT Hellcat
Type and Description	90-degree V-type, liquid-cooled
Displacement	6,166 cu.cm (370 cu. in.)
Bore x Stroke	103.9 x 90.9 (4.09 x 3.58)
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	707 bhp @ 6,000 rpm (114 bhp/litres)
Torque	650 lb.-ft. @ 4,000 rpm
Max. Engine Speed	6,200 rpm
Fuel Requirement	Premium 91 octane (R+M)/2 — recommended
Oil Capacity	7.1 litres (7.5 qt.)
Factory Oil Fill	0W-40 Pennzoil Ultra™ synthetic
Coolant Capacity	13.25 litres (14 qt.)
Intercooler System	Separate low-temp cooling system with dual water-to-air intercoolers and a high-flow variable-speed electric water pump

Emission Controls	Dual close-coupled three-way catalytic converters heated wide range upstream and switching downstream O2 sensors and internal engine features.
Exhaust Type	Dual 70 mm (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
EnerGuide Fuel Economy L/100km (mpg) City/Hwy	TBD manual TBD automatic

**ENGINE: 392 HEMI V8 (6.4 litre)**

Availability	Standard on Challenger SRT 392
Type and Description	90-degree V-type, liquid-cooled
Displacement	6,417 cu. cm (392 cu. in.)
Bore x Stroke	103.9 x 94.5 (4.09 x 3.72)
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	485 hp @ 6,100 rpm (75.8 hp/litre)
Torque	475 lb.-ft. @ 4,200 rpm
Max. Engine Speed	6,400 rpm (electronically limited)
Fuel Requirement	Premium 91 octane (R+M)/2 — recommended
Oil Capacity	6.6 litres (7 qt.)
Factory Oil Fill	0W-40 Pennzoil Ultra synthetic
Coolant Capacity	13.25 litres (14 qt.)
Emission Controls	Dual close-coupled three-way catalytic converters, quad-heated oxygen sensors and internal engine features
Exhaust Type	Dual 70 mm (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
EnerGuide Fuel Economy L/100km (mpg) City/Hwy	TBD manual TBD automatic



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## TRANSMISSION: SIX-SPEED MANUAL TREMEC TR-6060 WITH ZF-SACHS 240 MM TWIN-DISC CLUTCH (392 HEMI V8, 6.4L)

Availability	Optional on Challenger SRT 392
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
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-litre HEMI)

Availability	Optional on Hellcat SRT
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
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: EIGHT-SPEED AUTOMATIC ZF 8HP70 (392 HEMI 6.4-LITRE V-8) / 8HP90 (SUPERCHARGED 6.2-LITRE HEMI HELLCAT)

Availability	Standard
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 <sup>th</sup>	0.84
8 <sup>th</sup>	0.67
Reverse	3.30
Final Drive Ratio	2.62 – Asymmetric-limited slip, performance-tuned (6.2 litre) 3.09 – Asymmetric-limited slip, performance-tuned (6.4 litre)
Overall Top Gear	1.76 (6.2 litre) 2.07 (6.4 litre)

## 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 Hellcat SRT)
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 (Hellcat SRT)
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 (Hellcat SRT)

## STEERING

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

## BRAKES mm (in.) unless otherwise noted

Front (Challenger SRT and Challenger SRT Hellcat)	
Rotor Size and Type	390 x 34.0 (15.4 x 1.34) two-piece aluminum hat, vented and slotted
Caliper Size and Type	36 mm (1.42) Brembo six-piston fixed monoblock aluminum
Swept Area	2,735 sq. cm (424 sq. in.)
Rear (Challenger SRT and Challenger SRT Hellcat)	
Rotor Size and Type	350 x 28 (13.8 x 1.10) vented and slotted
Caliper Size and Type	32 (1.26) Brembo four-piston fixed with aluminum housing
Swept Area	2,036 sq. cm (316 sq. in.)
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-position ESC/Traction Control Mode Selection	Standard
Power-assist Type	8 + 9 (203 + 209) tandem-diaphragm vacuum booster
Active Exhaust	Standard

## DIMENSIONS AND CAPACITIES<sup>(a)</sup> mm (in.) unless otherwise noted

Wheelbase	2,951 (116.17) (Challenger SRT Hellcat and SRT 392)
Track, Front	1,625 (64.0) (Challenger SRT Hellcat) 1,611 (63.4) (Challenger SRT 392)
Track, Rear	1,618 (63.7) (Challenger SRT Hellcat) 1,604 (63.1) (Challenger SRT 392)
Overall Length	5,018 (197.5) (Challenger SRT Hellcat) 5,028 (198.0) (Challenger SRT 392)



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Overall Width	1,923 (75.7) (Challenger SRT 392 and Challenger SRT Hellcat)
Overall Height	1,416 (55.7) (Challenger SRT Hellcat) 1,429 (55.9) (Challenger SRT 392)
Ground Clearance	11.5 (4.5) (Challenger SRT Hellcat) 120 (4.7) (Challenger SRT 392)
Frontal Area	2.40 sq. m (25.9 sq. ft.) (Challenger SRT Hellcat) 2.37 sq. m (25.6 sq. ft.) (Challenger SRT 392)
Drag Coefficient	0.380 (Challenger SRT Hellcat) 0.356 (Challenger SRT 392)
Curb Weight — Est.	2,013.5 kg (4,439 lb.) (6.2 litre automatic/ Challenger SRT Hellcat) 2,018 kg (4,449 lb.) (6.2 litre manual/ Challenger SRT Hellcat) 1,928 kg (4,251lb.) (6.4 litre automatic/ Challenger SRT 392) 1,923 kg (4,240 lb.) (6.4 litre manual/ Challenger SRT 392)
Weight Distribution, per cent F/R	57/43 (6.2 litre automatic and manual/ Challenger SRT Hellcat) 55/45 (6.4 litre automatic and manual/Challenger SRT 392)
Fuel Tank Capacity	70 litres (15.4 imp gal.)

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

### ACCOMMODATIONS

mm (in.) unless otherwise noted

Seating Capacity, F/R	2/3
Front Seat	
Head Room	999 (39.3)
Legroom	1,067 (42.0)
Shoulder Room	1,485 (58.5)
Hip Room	1,404 (55.3)
Seat Travel	Driver — 255 (10.0) Passenger — 220 (8.7)
Recliner Angle Range, deg.	Driver — 64 Passenger — 63
Front Volume Index	1,580 litres (55.8 cu. ft.)
Rear Seat	
Head Room	942 (37.1)
Legroom	840 (33.1)
Knee Clearance	4.4 (0.2)
Shoulder Room	1,369 (53.9)
Hip Room	1,214 (47.8)
Rear Seat Volume Index	1,073 litres (37.9 cu. ft.)

Total Interior Volume	2,659 litres (93.9 cu. ft.)
Cargo Volume	459 litres (16.2 cu. ft.)
Interior Volume Index	3,119 litres (110.136 cu. ft.)
Trunk Lift-over Height	845 (33.2)

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

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 km (mile)	448 (720.9)
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 km (mile)	446.6 (718.7)

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

### WHEELS (in.)

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 low gloss black finish
Size	20 x 9.5
Availability	Optional on Challenger SRT with the Hellcat engine
Type and material	SRT-exclusive, "Slingshot" split seven spoke, forged aluminum with Brass Monkey finish
Size	20 x 9.5

