



## CHALLENGER

CANADIAN SPECIFICATIONS

### 2013 Dodge Challenger

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

All dimensions are measured at curb weight with standard wheels and tires unless otherwise noted.

NOTE: Information shown is correct at time of publication and is subject to change.

#### GENERAL INFORMATION

Body Style	Two-door coupe
Assembly Plant	Brampton, Ontario
EnerGuide Vehicle Class	Mid-Size
Introduction Date	September 2008

#### ENGINE: 3.6-LITRE PENTASTAR DOHC 24-VALVE VVT V6

Availability	Standard—Dodge Challenger SXT, SXT Plus and Rallye Redline
Type and Description	60-degree V-type, liquid-cooled
Displacement	220 cu. in. (3604 cu. cm)
Bore x Stroke	96.0 x 83.0 mm (3.78 x 3.27 inches)
Valve System	Chain-driven DOHC, 24 valves, hydraulic end-pivot roller rockers
Fuel Injection	Sequential, multi-port, electronic, returnless
Construction	Aluminum deep-skirt block with aluminum-alloy heads
Compression Ratio	10.2:1
Power	305 bhp @ 6,350 rpm
Torque	268 lb.-ft. @ 4,800 rpm
Max. Engine Speed	6,400 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R+M)/2; and E-85
Oil Capacity L (qt.)	5.7 (6) with dry filter
Coolant Capacity L (qt.)	13.25 (14)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features
Max. Gross Trailer Weight	454 kg (1000 lb.)
2012 EnerGuide Fuel Economy L/100 km (mpg) - City/Hwy	11.7/7.3 (24/39)
Engine Assembly Plant	Trenton South Engine Plant, Trenton, Michigan, USA



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### ENGINE: 5.7-LITRE HEMI® V8 (WITH FUELSAVER MDS TECHNOLOGY ON AUTOMATIC TRANSMISSION)

Availability	Available—Dodge Challenger R/T and R/T Classic
Type and Description	90-degree V-type, liquid-cooled with variable-valve timing (VVT)
Displacement	5,654 cu. cm (345 cu. in.)
Bore x Stroke	99.5 x 90.9 cm (3.92 x 3.58 inches)
Valve System	Pushrod-operated overhead valves, 16 valves, eight deactivating and eight conventional hydraulic lifters, all with roller followers
Fuel Injection	Sequential, multi-port, electronic, returnless
Construction	Deep-skirt cast-iron block with cross-bolted main bearing caps, aluminum alloy heads with hemispherical combustion chambers
Compression Ratio	10.5:1

#### For Automatic Transmission

Power	372 hp @ 5,200 rpm (65.3 hp/L)
Torque	400 lb.-ft. @ 4,400 rpm

#### For Manual Transmission

Power	376 hp @ 5,150 rpm (66.3 hp/L)
Torque	410 lb.-ft. @ 4,300 rpm
Max. Engine Speed	5,800 rpm (electronically limited)
Fuel Requirement	Unleaded midgrade, 89 octane (R+M)/2—Recommended Unleaded regular, 87 octane (R+M)/2—Acceptable
Oil Capacity	6.62L (7 qt.)
Coolant Capacity	13.9L(14.7 qt.)
Emission Controls	Dual close-coupled three-way catalytic converters, quad heated oxygen sensors and internal engine features
Max. Gross Trailer Weight	454 kg (1,000 lb.) (not recommended with manual)
2012 EnerGuide Fuel Economy L/100 km (mpg) - City/Hwy	13.5/8.0 (21/35) – 5-speed automatic 14.0/8.5(20/33) – 6-speed Tremec manual

### TRANSMISSION: WA580 AUTOMATIC, FIVE-SPEED OVERDRIVE

Availability	Standard on Challenger SXT, SXT Plus and Rallye Redline Standard on Challenger R/T and R/T Classic
Description	Adaptive electronic control with Auto/Stick™ driver-interactive manual control and electronically-modulated torque converter clutch
<b>Gear Ratios</b>	
1st	3.59
2nd	2.19
3rd	1.41
4th	1.00
5th	0.83
Reverse	3.16
Final Drive Ratio	2.65 (SXT, SXT Plus) 3.06 (Rallye Redline, R/T and R/T Classic)
Overall Top Gear	2.20 (SXT and SXT Plus) 2.54 (Rallye Redline, R/T and R/T Classic)



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### TRANSMISSION: SIX-SPEED MANUAL TREMEC TR-6060 WITH ZF-SACHS 250 MM TWIN DISC CLUTCH

Availability	Available on Challenger R/T and R/T Classic
Description	Triple cone/double cone synchronizer design, 1–4 skip shift and reverse inhibit solenoids, 5:1 remote shifter
<b>Gear Ratios</b>	
1st	2.97
2nd	2.10
3rd	1.46
4th	1.00
5th	0.74
6th	0.50
Reverse	2.90
Final Drive Ratio	R/T, R/T Classic —3.92 Getrag axle with limited-slip differential (R/T) and R/T Classic

### ELECTRICAL SYSTEM

Alternator	160A
Battery	H7 Case, 625 CCA, maintenance-free

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

Wheelbase	2946 (116.0)
Track, Front	1603 (63.0)
Track, Rear	1604 (63.1)
Overall Length	5023 (197.7)
Overall Width	1923 (75.7)
Overall Height	1449 (57.1)
Ground Clearance	SXT, SXT Plus—@ curb 131 (5.16) R/T, R/T Classic—@ curb 129 (5.06)
Drag Coefficient (estimated)	SXT—18-in. tires—0.360 (9.21 CdA) SXT Plus with Super Sport Group —20-in. tires—0.372 (9.53 CdA) Rallye Redline — 20-inch tires — 0.372 (9.53 CdA) R/T—20-in. tires—0.360 (9.22 CdA)
Curb Weight (preliminary)	SXT— 1735 kg (3834 lb.) R/T— 1852 kg (4082 lb.)
Weight Distribution (per cent front/rear - preliminary)	SXT—52.4/47.6 R/T—54.3/45.7
Fuel Tank Capacity – L (imp. gal)	72.2 (15.8)

<sup>(a)</sup> All dimensions measured at curb weight with standard tires.



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### ACCOMMODATIONS

Seating Capacity (front/rear)	2/3
<b>Front</b>	
Head Room	999 (39.3)
Legroom	1067 (42.0)
Shoulder Room	1477 (58.2)
Hip Room	1387 (54.6)
Seat Travel	Driver—270 (10.6) Passenger—220 (8.7)
Recliner Angle Range	Driver—64 degrees Passenger—63 degrees
Front Volume Index L (cu.ft.)	1580 (55.8)
<b>Rear</b>	
Head Room	950 (37.4)
Legroom	829 (32.6)
Knee Clearance	31.1 (1.2)
Shoulder Room	53.9 (1,368)
Hip Room	48.6 (1,236)
Rear Seat Volume Index L (cu. ft.)	1079 (38.1)
Total Interior Volume L (cu. ft.)	2591 (91.5.)
Cargo Volume L (cu. ft.)	459 (16.2)
Interior Volume Index L (cu. ft.)	3050 (107.7)
Trunk Lift-over Height	839 (33.0)

### BODY

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

### EXHAUST

Type	Dual exhaust with rectangular chromed tip and image sound
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### STEERING

Type	Rack and pinion with hydraulic power assist
Overall Ratio	14.4:1
Turning Diameter (curb-to-curb)	11.63 m (38.1 ft.)
Steering Turns (lock-to-lock)	2.6
Power Steering Pump	Electro-hydraulic power steering (EHPS)



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### SUSPENSION

Touring-tuned Suspension	Standard on Challenger SXT
Front	
Stabilizer bar	27 mm, solid
Shock type/rate	Monotube with 240 lb./in
Rear	
Stabilizer bar	16 mm, solid
Shock type/rate	Monotube with 547 lb./in
Performance-tuned Suspension	Standard on Challenger Rallye Redline, R/T and R/T Classic; Included with Super Sport Group on Challenger SXT Plus
Front	
Stabilizer bar	30 mm, solid
Shock type/rate	Monotube with 340 lb./in
Rear	
Stabilizer bar	20 mm, solid
Shock type/rate	Monotube with 670 lb./in
Super Track Pak Suspension	Optional on Challenger R/T, Optional on Challenger R/T
Front	
Stabilizer bar	30 mm, solid
Shock type/rate	Monotube with 340 lb./in
Rear	
Stabilizer bar	20 mm, solid
Shock type/rate	Monotube with 670 lb./in



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### TIRES

Availability	Standard on Challenger SXT and SXT Plus
Size and type	P235/55R18 BSW all-season performance
Mfr. and model	Michelin MXM4
Revs per km (mile)	457 (734)

Availability	Included with Super Sport Group on Challenger SXT Plus Standard on Challenger R/T and Rallye Redline
Size and type	P245/45R20 BSW all-season performance
Mfr. and model	Firestone Firehawk GTV
Revs per km (mile)	451 (725)

Availability	Included with Super Track Pak on Challenger R/T and R/T Classic
Size and type	P245/45R20 BSW three-season high-performance
Mfr. and model	Goodyear Eagle F1
Revs per km (mile)	451 (725)

### WHEELS

Availability	Standard on Challenger SXT and SXT Plus
Type and material	Five-spoke design, cast-aluminum
Size (in.)	18 x 7.5

Availability	Included with Super Sport Group on Challenger SXT Plus Standard on Challenger R/T
Type and material	Five-spoke design, cast-aluminum, chrome clad
Size (in.)	20 x 8.0

Availability	Standard on Challenger R/T Classic
Type and material	Cast-aluminum with Mineral Grey painted face
Size (in.)	20 x 8.0

Availability	Standard on Challenger Rallye Redline
Type and material	Five-spoke design, black-chrome clad with red lip and backbone
Size (in.)	20 x 8.0

Availability	Optional with Challenger R/T Classic
Type and material	Forged Aluminum, polished heritage design five-spoke
Size (in.)	20 x 8.0



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### BRAKES

Touring Brake Package	Standard on Challenger SXT and SXT Plus
Front	
Rotor size and type in. (mm)	12.6 x 1.1 (320 x 28) vented
Caliper size and type	60 (2.36) single-piston sliding with aluminum housing
Swept area	1671 sq. cm (259 sq. in.)
Rear	
Rotor size and type in. (mm)	12.6 x 0.4 (320 x 10) solid
Caliper size and type	42 (1.65) single-piston sliding with aluminum housing
Swept area	1703 sq. cm (264 sq. in.)
Performance Brake Package	Standard on Challenger Rallye Redline, R/T and R/T Classic; Optional on Challenger SXT Plus (with Super Sport Group)
Front	
Rotor size and type in. (mm)	13.6 x 1.26 (345 x 28) vented
Caliper size and type	42 (1.65) dual-piston sliding with aluminum housing
Swept area	1606 sq. cm (249 sq. in.)
Rear	
Rotor size and type in. (mm)	12.6 x 0.87 (320 x 22) vented
Caliper size and type	42 (1.65) single-piston sliding with aluminum housing
Swept area	1703 sq. cm (264 sq. in.)

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