

2012 Dodge Challenger

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

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
Type and Description	60-degree V-type, liquid-cooled
Displacement	220 cu. in. (3,604 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 (1,000 lb)
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

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

Availability	Available—Dodge Challenger R/T
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)
EnerGuide Fuel Economy 13.5/8.0 (21/35) – 5-speed automatic
L/100 km (mpg) - City/Hwy 14.0/8.5(20/33) – 6-speed Tremec manual

TRANSMISSION: WA580 AUTOMATIC, FIVE-SPEED OVERDRIVE

Availability Standard on Challenger SXT
Standard on Challenger R/T
Description Adaptive electronic control with 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 2.65 (SXT, SXT Plus) 3.06 (R/T)
Overall Top Gear 2.38 (SXT) 2.54 (R/T)

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

Availability Available on Challenger R/T
Description Triple cone/double cone 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 R/T, R/T Classic —3.92 (20-inch wheels)
Getrag axle with limited-slip differential (R/T)

ELECTRICAL SYSTEM

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

DIMENSIONS AND CAPACITIES ^(a)

Wheelbase	2,946 (116.0)
Track, Front	1,603 (63.0)
Track, Rear	1,604 (63.1)
Overall Length	5,023 (197.7)
Overall Width	1,923 (75.7)
Overall Height	1,449 (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—20-in. tires—0.372 (9.53 CdA) R/T—20-in. tires—0.360 (9.22 CdA)
Curb Weight (preliminary)	SXT— 1,735 kg (3,834 lb) R/T— 1,852 kg (4,082 lb)
Weight Distribution (percent front/rear - preliminary)	SXT—52.4/47.6 R/T—54.3/45.7
Fuel Tank Capacity— L (imp. gal)	71.9 (15.8)

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

ACCOMMODATIONS

Seating Capacity (front/rear)	2/3
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Front

Head Room	999 (39.3)
Legroom	1,067 (42.0)
Shoulder Room	1,477 (58.2)
Hip Room	1,387 (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)	1,580 (55.8)

Rear

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.)	1,079 (38.1)
Total Interior Volume L (cu. ft.)	2,591 (91.5.)
Cargo Volume L (cu. ft.)	459 (16.2)
Interior Volume Index L (cu. ft.)	3,050 (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
P/S Pump	Electro-hydraulic power steering (EHPS)

SUSPENSION

Front	Independent SLA with high upper "A" arm, coil spring over gas-charged monotube shock absorbers and stabilizer bar—standard on Challenger SXT and R/T Lateral and diagonal lower links with dual ball joint knuckles—standard on Challenger SXT and R/T High-performance shock absorbers—included with Super Track Pak
Rear	Five-link independent with coil springs, gas-charged monotube shock absorbers, stabilizer bar and isolated suspension cradle—standard on Challenger SXT and R/T High-performance shock absorbers—included with Super Track Pak
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 R/T; Included with Super Sport group on Challenger SXT
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
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

TIRES

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Availability	Standard on Challenger SXT
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
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
Type and material	Five-spoke design, cast-aluminum
Size	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	20 x 8.0

Availability	Included with R/T Classic package on Challenger R/T
Type and material	Forged-aluminum, polished heritage design five-spoke
Size	20 x 8.0

Availability	Optional with R/T Classic package on Challenger R/T
Type and material	Polished-aluminum, design five-spoke
Size	20 x 8.0

BRAKES

Touring Brake Package	Standard on Challenger SXT
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	1,671 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	1,703 sq. cm (264 sq. in.)
Performance Brake Package	Standard on Challenger R/T; 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	1,606 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	1,703 sq. cm (264 sq. in.)

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