

2011 Dodge Challenger

SPECIFICATIONS

Specifications are based on the latest product information available at the time of publication. All dimensions are in inches (millimeters) 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, Canada
EPA Vehicle Class	Intermediate car
Introduction Date	September 2008

ENGINE: 3.6-LITER PENTASTAR DOHC 24-VALVE V-6

Availability	Standard—Dodge Challenger SE
Type and Description	60-degree V-type, liquid-cooled
Displacement	220 cu. in. (3,604 cu. cm)
Bore x Stroke	3.78 x 3.27 (96.0 x 83.0 mm)
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 (SAE net)	305 bhp (227 kW) @ 6,350 rpm (84.7 bhp/L)
Torque (SAE net)	268 lb.-ft. (363 N•m) @ 4,800 rpm
Max. Engine Speed	6,400 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R+M)/2; and E-85 (Federal Bin 5, 37 state compliant)
Oil Capacity	6 qt. (5.7L) with dry filter
Coolant Capacity	14.0 qt. (13.25L)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features ^(a)
Max. Gross Trailer Weight	1,000 lbs. (454 kg)
EPA Fuel Economy mpg (City/Hwy)	18/27
Engine Assembly Plant	Trenton South Engine Plant, Trenton, MI

(a) Meets Federal Tier 2 Bin 5 emission requirements and ULEV II requirements in California, Massachusetts, New York, Maine, Vermont, Connecticut, Pennsylvania, Rhode Island, New Jersey, Oregon and Washington.

ENGINE: 5.7-LITER HEMI® V-8 (WITH FUEL SAVER TECHNOLOGY ON AUTOMATIC TRANSMISSION)

Availability	Standard—Dodge Challenger R/T
Type and Description	90-degree V-type, liquid-cooled with variable-valve timing (VVT)
Displacement	345 cu. in. (5,654 cu. cm)
Bore x Stroke	3.92 x 3.58 (99.5 x 90.9)
Valve System	Pushrod-operated overhead valves, 16 valves, eight deactivating and eight conventional hydraulic lifters, all with roller followers



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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 (SAE net)	372 hp (277 kW) @ 5,200 rpm (65.3 hp/L) ^(b)
Torque (SAE net)	400 lb.-ft. (542 N•m) @ 4,400 rpm ^(b)

For Manual Transmission

Power (SAE net)	376 hp (280 kW) @ 5,150 rpm (66.3 hp/L) ^(c)
Torque (SAE net)	410 lb.-ft. (555 N•m) @ 4,300 rpm ^(c)
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	7 qt. (6.6L)
Coolant Capacity	14.7 qt. (13.9L)
Emission Controls	Dual close-coupled three-way catalytic converters, quad heated oxygen sensors and internal engine features ^(d)
Max. Gross Trailer Weight	1,000 lbs. (454 kg) (not recommended with manual)
EPA Fuel Economy mpg (City/Hwy)	16/25

^(b) Official SAE certified results per J2723 available in Spring 2008.

^(c) Official SAE certified results per J2723 available in Spring 2008.

^(d) Manual transmission meets Federal Tier 2, Bin 5 emission requirements; marketed in California as an LEVII (Low Emission Vehicle) under cleanest vehicle rules. Automatic transmission meets Federal Tier 2, Bin 4 emissions requirements; marketed in California as an ULEVII (Ultra Low Emission Vehicle) under cleanest vehicle rules.

TRANSMISSION: WA580 AUTOMATIC, FIVE-SPEED OVERDRIVE

Availability	Standard on Challenger SE and 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	2.87 (SE) 3.06 (R/T)
Overall Top Gear	2.38 (SE) 2.54 (R/T)

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

Availability	Optional 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—3.73 (18-inch wheels) R/T—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 ^(e)

Wheelbase	116.0 (2946)
Track, Front	63.0 (1603)
Track, Rear	63.1 (1604)
Overall Length	197.7 (5023)
Overall Width	75.7 (1923)
Overall Height	57.1 (1449)
Ground Clearance	SE—@ curb 5.16 (131.2) R/T—@ curb 5.06 (128.7)
Drag Coefficient (estimated)	SE—18-in. tires—0.360 (9.21 CdA) SE—20-in. tires—0.372 (9.53 CdA) R/T—18-in. tires—0.348 (8.91 CdA) R/T—20-in. tires—0.360 (9.22 CdA)
Curb Weight (preliminary)	SE—3,834 lbs. (1735 kg) R/T—4,082 lbs. (1852 kg)
Weight Distribution (percent front/rear - preliminary)	SE—52.4/47.6 R/T—54.3/45.7
Fuel Tank Capacity	19.1 gal. (72.2 L)

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

ACCOMMODATIONS

Seating Capacity (front/rear)	2/3
Front	
Head Room	39.3 (999)
Legroom	42.0 (1067)
Shoulder Room	58.2 (1477)
Hip Room	54.6 (1387)
Seat Travel	Driver—10.6 (270) Passenger—8.7 (220)
Recliner Angle Range	Driver—64 degrees Passenger—63 degrees
SAE Front Volume Index	55.8 cu. ft. (1.58 cu. m)
Rear	
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	38.1 cu. ft. (1.08 cu. m)
Total Interior Volume	91.5 cu. ft. (2.59 cu. m)
SAE Cargo Volume	16.2 cu. ft. (0.459 cu. m)
EPA Interior Volume Index	107.7 cu. ft. (3.05 cu. m)
Trunk Lift-over Height	33.0 (839)

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)	38.1 ft. (11.63 m)
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 SE and R/T Lateral and diagonal lower links with dual ball joint knuckles—standard on Challenger SE 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 SE and R/T High-performance shock absorbers—included with Super Track Pak
Touring-tuned Suspension	Standard on Challenger SE
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 SE
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

Availability	Standard on Challenger SE and R/T
Size and type	P235/55R18 BSW all-season performance
Mfr. and model	Michelin MXM4
Revs per mile (km)	734 (457)
Availability	Included with Super Sport Group on Challenger SE Optional on Challenger R/T Included with Challenger R/T Plus
Size and type	P245/45R20 BSW all-season performance
Mfr. and model	Firestone Firehawk GTV
Revs per mile (km)	725 (451)
Availability	Included with Super Track Pak on Challenger R/T
Size and type	P245/45R20 BSW three-season high-performance
Mfr. and model	Goodyear Eagle F1
Revs per mile (km)	725 (451)

WHEELS

Availability	Standard on Challenger SE and R/T
Type and material	Five-spoke design, cast-aluminum
Size	18 x 7.5
Availability	Included with Rallye Group on Challenger SE,
Type and material	Five-spoke design, cast-aluminum with black painted pockets
Size	18 x 7.5
Availability	Included with Super Sport Group on Challenger SE Optional on Challenger R/T Included with Challenger R/T Plus
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

BRAKES

Touring Brake Package	Standard on Challenger SE
Front	
Rotor size and type	12.6 x 1.1 (320 x 28) vented
Caliper size and type	2.36 (60) single-piston sliding with aluminum housing
Swept area	259 sq. in. (1,671 sq. cm)
Rear	
Rotor size and type	12.6 x 0.4 (320 x 10) solid
Caliper size and type	1.65 (42) single-piston sliding with aluminum housing
Swept area	264 sq. in. (1,703 sq. cm)
Performance Brake Package	
Standard on Challenger R/T; Optional on Challenger SE (with Super Sport Group)	
Front	
Rotor size and type	13.6 x 1.26 (345 x 28) vented
Caliper size and type	1.65 (42) dual-piston sliding with aluminum housing
Swept area	249 sq. in. (1,606 sq. cm)
Rear	
Rotor size and type	12.6 x 0.87 (320 x 22) vented
Caliper size and type	1.65 (42) single-piston sliding with aluminum housing
Swept area	264 sq. in. (1,703 sq. cm)

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