



Challenger

SPECIFICATIONS

2015 Dodge Challenger

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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	Third quarter 2014 as a 2015 model

BODY/CHASSIS

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

ENGINE: 3.6-LITER PENTASTAR V-6

Availability	Standard — Dodge Challenger SXT and SXT Plus
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)
Valve System	Chain-driven DOHC, 24 valves, hydraulic end-pivot roller rockers
Fuel Injection	Sequential, multiport, 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/liter)
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
Oil Capacity	6 qt. (5.7-liter) with dry filter
Coolant Capacity	14.0 qt. (13.25-liter)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features ^(a)
Exhaust Type	Dual exhaust with rectangular chromed tip and image sound
Max. Gross Trailer Weight	1,000 lbs. (454 kg)
EPA Fuel Economy mpg (city/hwy/cmb.)	19 / 30 / 23



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Engine Assembly Plant Trenton South Engine Plant, Trenton, Mich.

(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 (FUEL SAVER TECHNOLOGY WITH 8HP70 EIGHT-SPEED TRANSMISSION)

Availability	Standard — Dodge Challenger R/T, R/T Plus, R/T Classic and R/T Shaker models (late availability)
Type and Description	90-degree V-type, liquid-cooled with variable cam timing (VCT)
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
Fuel Injection	Sequential, multiport, 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/liter)
Torque (SAE net)	400 lb.-ft. (542 N•m) @ 4,400 rpm
For Manual Transmission	
Power (SAE net)	375 hp (280 kW) @ 5,150 rpm (65.7 hp/liter)
Torque (SAE net)	410 lb.-ft. (555 N•m) @ 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	7 qt. (6.6-liter)
Coolant Capacity	14.7 qt. (13.9-liter)
Emission Controls	Dual close-coupled three-way catalytic converters, quad heated oxygen sensors and internal engine features ^(b)
Exhaust Type	Dual exhaust with rectangular chromed tip and image sound
Max. Gross Trailer Weight	1,000 lbs. (454 kg) (not recommended with manual)
EPA Fuel Economy mpg (city/hwy/cmb)	15 / 23 / 18 manual 16 / 25 / 19 automatic

^(b) 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.



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ENGINE: 6.4-LITER HEMI® V-8 POWERED BY SRT

Availability	Standard — R/T Scat Pack and 392 HEMI® Scat Pack Shaker (late availability)
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 94.6)
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 (estimated SAE net)	485 bhp (362 kW) @ 6,000 rpm (75.8 bhp/liter)
Torque (estimated 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. with rectangular chromed tips and performance-tuned exhaust note
Max. Gross Trailer Weight	Not rated for trailer-tow
EPA Fuel Economy mpg (city/hwy/cmb)	14 / 23 / 17 manual 15 / 25 / 18 automatic

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

TRANSMISSION: SIX-SPEED MANUAL TREMEC TR-6060 WITH ZF-SACHS 240 MM TWIN DISC CLUTCH

Availability	Standard — R/T models, R/T Scat Pack and 392 HEMI Scat Pack Shaker (late availability)
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



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3rd	1.46
4th	1.00
5th	0.74
6th	0.50
Reverse	2.90
Final Drive Ratio	3.90 axle with limited-slip differential

TRANSMISSION: TORQUEFLITE 845RE EIGHT-SPEED AUTOMATIC

Availability	Standard on 3.6-liter Pentastar V-6 engine
Description	Adaptive electronic control, Sport mode or paddle-shifted driver-interactive manual control. Five-clutch pack design with only two open clutches in any gear. Off-center line pump with low-viscosity oil for reduced spin loss. Torque converter lock with turbine torsional damper for low lock-up speeds in 1 st through 8 th gear.
Gear Ratios	
1st	4.71
2nd	3.14
3rd	2.10
4th	1.67
5th	1.29
6th	1.00
7th	0.84
8th	0.67
Reverse	3.30
Final Drive Ratio	2.62 — Standard 3.08 — Optional
Overall Top Gear	1.76 — Standard 2.06 — Optional

TRANSMISSION: TORQUEFLITE 8HP70 EIGHT-SPEED AUTOMATIC

Availability	Available with 5.7-liter and 6.4-liter HEMI V-8 engine
Description	Adaptive electronic control, Sport mode or paddle-shifted driver-interactive manual control, five-clutch pack design with only two open clutches in any gear, off-center line pump with low-viscosity oil for reduced spin loss, torque converter lock with turbine torsional damper for low lock-up speeds in first through eighth gear
Gear Ratios	
1st	4.70
2nd	3.13



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3rd	2.10
4th	1.67
5th	1.28
6th	1.00
7th	0.84
8th	0.67
Reverse	3.53
Final Drive Ratio	3.08:1 – (5.7-liter) 3.09:1 – Limited Slip (6.4-liter)
Overall Top Gear	2.06 (5.7-liter) 2.07 (6.4-liter)

ELECTRICAL SYSTEM

Alternator	160A — Standard 180A — Optional 220A — Standard (6.4-liter)
Battery	H7 Case, 625 CCA, maintenance-free

STEERING

Type	Electric power steering (EPS)
Overall Ratio	12.3:1 ratio
Turning Diameter (curb-to-curb)	37.4 ft. — 3.6-liter and 5.7-liter 38.8 ft. — 6.4-liter
Steering Turns (lock-to-lock)	2.62 — 3.6-liter and 5.7-liter 2.56 — 6.4-liter

SUSPENSION

Front	Independent SLA with high upper “A” arm, coil spring over gas-charged monotube shock absorbers and stabilizer bar. Lateral and diagonal lower links with dual ball joint knuckles
Rear	Five-link independent with coil springs, gas-charged monotube shock absorbers, stabilizer bar and isolated suspension cradle
Performance suspension	Standard on Challenger SXT, SXT Plus, R/T and R/T Plus
Super Track Pak Suspension	Standard on Challenger R/T Shaker and R/T Plus Shaker and R/T models with Super Track Pak
High-performance Suspension	Standard on Challenger R/T Scat Pack and 392 HEMI Scat Pack Shaker

BRAKES

Sport Brake Package	Standard on Challenger SXT models
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 with Performance Brake Linings	Standard on Challenger R/T models Included with Super Track Pak on SXT, SXT Plus, R/T and R/T Plus
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)
Brembo High-performance Brake Package	Standard on Challenger R/T Scat Pack and 392 HEMI Scat Pack Shaker
Front	
Rotor size and type	14.2 x 1.26 (360 x 32.0) vented and slotted
Caliper size and type	1.73 (44) Brembo four-piston fixed with aluminum housing
Swept area	351 sq. in. (2,261 sq. cm)
Rear	
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)

DIMENSIONS AND CAPACITIES^(b)

Wheelbase	116.2 (2,950.4)
Track, Front	63.4 (1,611)



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Track, Rear	63.8 (1,620)
Overall Length	197.9 (5,027.4)
Overall Width (with mirrors)	85.8 (2,178.7)
Overall Width (without mirrors)	75.7 (1,923.1)
Overall Height	57.5 (1,459.5)
Ground Clearance	5.2 (130.9)
Drag Coefficient	0.337 Cd
Curb Weight (preliminary)	SXT — 3,834 lbs. (1,735 kg)
	R/T — 4,082 lbs. (1,852 kg)
Weight Distribution (percent front/rear - preliminary)	SXT — 52.4/47.6
	R/T — 54.3/45.7
Fuel Tank Capacity, gal. (liter)	18.5 (70.0)

^(c) 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 (1,067)
Shoulder Room	58.5 (1,485)
Hip Room	55.3 (1,404)
Seat Travel	Driver — 10.0 (255)
	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	37.1 (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	37.9 cu. ft. (1.07 cu. m)
Total Interior Volume	93.9 cu. ft. (2.67 cu. m)
SAE Cargo Volume	16.2 cu. ft. (0.459 cu. m)



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EPA Interior Volume Index	110.136 cu. ft. (3.12 cu. m)
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Trunk Lift-over Height	33.2 (845)
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TIRES

Availability	Standard on Challenger SXT
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Size and type	P235/55R18 BSW all-season performance
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Mfr. and model	Michelin Primacy MXM4
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Revs per mile (km)	744 (463)
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Availability	Standard on SXT Plus, R/T and R/T Plus models
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	Optional on SXT
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Size and type	P245/45R20 BSW all-season performance
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Mfr. and model	Firestone Firehawk GTV
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Revs per mile (km)	725 (449)
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Availability	Standard on R/T, R/T Plus Shaker, Scat Pack and 392 HEMI Scat Pack Shaker
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	Included with Super Track Pak on SXT, SXT Plus, R/T and R/T Plus
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Size and type	P245/45R20 BSW three-season high-performance
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Mfr. and model	Goodyear Eagle F1
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Revs per mile (km)	725 (451)
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Availability	Optional on R/T, R/T Plus Shaker, Scat Pack and 392 HEMI Scat Pack Shaker
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	Included with Super Track Pak on SXT, SXT Plus, R/T and R/T Plus
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Size and type	P245/45R20 BSW all-season high-performance
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Mfr. and model	Goodyear Eagle RSA
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Revs per mile (km)	733 (456)
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WHEELS

Availability	Standard on Challenger SXT
Type and material	Satin Carbon aluminum
Size	18 in. x 7.5 in.
Availability	Standard on SXT Plus and R/T Plus
Type and material	Polished aluminum with Graphite pockets
Size	20 in. x 8 in.
Availability	Standard on Challenger R/T
	Optional on Challenger SXT with Super Sport Group
Type and material	Polished aluminum
Size	20 in. x 8.0 in.
Availability	Included in Super Track Pak Group
	Optional on Challenger R/T Plus Classic Model with Super Track Pak Group
Type and material	Hyper Black aluminum
Size	20 in. x 8.0 in.
Availability	Standard on R/T Classic Package
Type and material	Classic II polished forged aluminum
Size	20 in. x 8.0 in.
Availability	Standard on Challenger Scat Pack
Type and material	Polished aluminum with black pockets and satin finish
Size	20 in. x 9.0 in.
Availability	Optional on Challenger Scat Pack, 392 HEMI Scat Pack Shaker
	Optional on Challenger R/T Plus and R/T Classic
	Included with Scat Pack Appearance Group
Type and material	Hyper Black II lightweight forged aluminum
Size	20 in. x 9.0 in.



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Availability	Optional on SXT, SXT Plus, R/T and R/T Plus with Super Track Pak Group
Type and material	Polished aluminum with black pockets and satin finish
Size	20 in. x 8.0 in.
Availability	Packaged with R/T Shaker and R/T Plus Shaker
Type and material	Polished aluminum with black pockets and satin finish
Size	20 in. x 8.0 in.

