

2010 DODGE CHALLENGER SRT8® SPECIFICATIONS

Dimensions are in inches (millimeters) unless otherwise noted.

GENERAL INFORMATION

Body Style	Two-door coupe
Assembly Plant	Brampton, Ontario, Canada
EPA Vehicle Class	Intermediate car
Introduction Date	May 2008 as 2008 model

ENGINE: 6.1-LITER HEMI® V-8

Availability	Standard
Type and Description	90-degree V-type, liquid-cooled
Displacement	370 cu. in. (6059 cu. cm)
Bore x Stroke	4.06 x 3.58 (103.0 x 90.9)
Valve System	Pushrod-operated overhead valves, 16 valves, 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	10.3:1
Power (estimated SAE net)	425 bhp (317 kW) @ 6,200 rpm (69.8 bhp/L)
Torque (estimated SAE net)	420 lb.-ft. (569 N•m) @ 4,800 rpm
Max. Engine Speed	6,400 rpm (electronically limited)
Fuel Requirement	Premium 91 octane (R+M)/2—recommended
Oil Capacity	7 qt. (6.6L)
Factory Oil Fill	5W-40 Synthetic
Coolant Capacity	14 qt. (13.25L)
Emission Controls	Dual close-coupled three-way catalytic converters, quad-heated oxygen sensors and internal engine features ^(a)
Max. Gross Trailer Weight	Not rated for trailer-tow
EPA Fuel Economy mpg (City/Hwy)	Automatic—13/19 Manual—14/22

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

TRANSMISSION: W5A580 FIVE-SPEED AUTOMATIC

Availability	Standard
Description	Adaptive electronic control, performance-tuned 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	3.06 – Getrag axle with limited-slip differential
Overall Top-gear	2.54

2010 DODGE CHALLENGER SRT8® SPECIFICATIONS**TRANSMISSION: SIX-SPEED MANUAL TREMEC TR-6060 WITH ZF-SACHS 250 MM TWIN-DISC CLUTCH**

Availability	Optional
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	3.91 – Getrag limited-slip differential

ELECTRICAL SYSTEM

Alternator	160-amp
Battery	H7 case, 730 CCA, maintenance-free

DIMENSIONS AND CAPACITIES^(b)

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	4.8 (122.2)
Frontal Area, sq. ft. (sq. m)	25.3 (2.35)
Drag Coefficient	0.353
Curb Weight, lb. (kg)—Est.	4,132 (automatic) 4,144 (manual)
Weight Distribution, percent F/R	54.5/45.5 (automatic) 54.7/45.3 (manual)
Fuel Tank Capacity, gal. (L)	19 (71.9)

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

ACCOMMODATIONS

Seating Capacity, F/R	2/3
Front Seat	
Head Room	39.3 (999)
Leg Room	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, deg.	Driver—64, passenger—63
SAE Front Volume Index, cu. ft. (cu. m)	55.8 (1.58)

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Rear Seat

Head Room	37.4 (950)
Leg Room	32.6 (829)
Knee Clearance	1.2 (31.1)
Shoulder Room	53.9 (1368)
Hip Room	48.6 (1236)
SAE Rear Seat Volume Index, cu. ft. (cu. m)	38.1 (1.08)
Total Interior Volume, cu. ft. (cu. m)	91.5 (2.59)
SAE Cargo Volume, cu. ft. (cu. m)	16.2 (0.46)
EPA Interior Volume Index, cu. ft. (cu. m)	107.7 (3.05)
Trunk Lift-over Height	33.0 (839)

BODY

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

EXHAUST

Type	Dual 2.75-inch with rectangular chromed tip and image-tuned exhaust note
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SUSPENSION

SRT-tuned Front and Rear Suspension	
Front	Independent SLA with high upper "A" arm, coil spring over gas-charged monotube Bilstein shock absorbers and stabilizer bar, lateral and diagonal lower links
Rear	Five-link independent with coil springs, link-type stabilizer bar, gas-charged monotube Bilstein shock absorbers and isolated suspension cradle

STEERING

Type	Rack-and-pinion with hydraulic power assist
Overall Ratio	16.1:1
Turning Diameter (curb-to-curb)	37.5 ft. (11.48 m)
Steering Turns (lock-to-lock)	2.75
P/S Pump	Fixed displacement

TIRES^(c)

Front and Rear		Standard on Challenger SRT8
Size and Type		245/45ZR20 all-season
Mfr. and Model		Goodyear Eagle RSA
Revs per Mile (km)		731 (456) front and rear
Front		Optional on Challenger SRT8
Size and Type		P245/45ZR20 three-season
Mfr. and Model		Goodyear F1 Supercar
Revs per Mile (km)		726 (450)

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Rear	Optional on Challenger SRT8
Size and Type	P255/45ZR20 three-season
Mfr. and Model	Goodyear F1 Supercar
Revs per Mile (km)	718 (445)

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

WHEELS

Standard	
Type and Material	Fully forged aluminum
Size	20 x 9 in.

BRAKES

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. (2261 sq. cm)

Rear	
Rotor Size and Type	13.8 x 1.10 (350 x 28) vented
Caliper Size and Type	1.26 (32) Brembo four-piston fixed with aluminum housing
Swept Area	316 sq. in. (2036 sq. cm)

Four-wheel Anti-lock Brake System (ABS) and Traction Control	Standard
Electronic Stability Program (ESP) and Brake Assist	Standard
Brake Knockback Mitigation	Standard
Hill-start Assist (HSA)	Standard with manual transmission
Three-position ESP/Traction Control Mode Selection	Standard
Power-assist Type	8 + 9 (203 + 209) tandem-diaphragm vacuum booster

2010 DODGE CHALLENGER SRT8® FEATURE AVAILABILITY

LEGEND: S = Standard, O = Optional, P = Package, — = Not available

Complete package information is listed at the end of the Feature Availability section.

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

	SRT8®
EXTERIOR	
Antenna—Integrated into rear window	S
Badging—SRT8 and stripes	
Deck-lid	S
Grille Insert	S
Dual-hood stripe	S
Dual-hood stripe delete	O
Colors:	
High Performance Red Clear Coat	
HEMI® Orange	
Bright Silver Metallic Clear Coat	
Brilliant Black Crystal Pearl Coat	
Plum Crazy Pearl Coat (Special-edition, limited availability)	O/P
Door Handles—Body-color	S
Exhaust System	
Stainless steel high-performance with dual chromed rectangular exhaust tips	S
Fuel Filler Door	
Bright, polished aluminum	S
Grille—Satin chrome surrounded with black field	S
Glass—Solar control, all windows	S
Headlamps	
Xenon, High-Intensity Discharge (HID)	S
Automatic	S
Fog lamps	S
Hood—Dual air scoops, functional	
Mirrors	
Power, body-color, folding, heated	S
Rear Spoiler, Functional	
Black	S
Sun Roof—Power with one-touch open/close and vent feature	O
Windshield Wipers—Two-speed with variable-intermittent mode	S
INTERIOR	
Air Conditioning—Manual temperature control	S
Assist Handles—Passenger	S
Cargo Compartment Dress-up—Trunk	S
Color: Dark Slate Gray	S
Console	
Floor with fore-and-aft slide	S
Cell-phone storage	S
Front and rear climate control outlets	S
12-volt power accessory delay	S
Defroster—Rear window	S
Door Locks—Power, speed-sensitive locking	S

2010 DODGE CHALLENGER SRT8® AVAILABILITY

SRT8®

Electronic Vehicle Information Center (EVIC)	S
Reconfigurable Display with Performance Pages	S
Performance Pages includes 0-60 mph, eighth-mile, quarter-mile, braking distance timers; G-force meter	S
Floor Covering—Carpet	S
Floor Mats	
Luxury, front and rear	S
HomeLink universal transceiver	S
Interior Accents	S
Satin-silver lock knobs	S
Side-door accent	S
SRT instrument-panel (IP) plaque	S
SRT dash badge	S
SRT serialized IP plaque (available on special-edition Plum Crazy Model)	P
Keyless Go—Push-button starter	S
Lighting	
Front map lamps for reading and rear courtesy lamps	S
Trunk lamp	S
LED-illuminated cup holders	S
LED-illuminated map pockets	S
Mirrors	
Rearview, day/night	S
Rearview, auto-dimming	S
Sun Visor	
Dual visor vanity, illuminated	S
Pedals—Non-adjustable	S
Power Accessory—12-volt auxiliary power outlet located in center console	S
Remote keyless illuminated entry system—Includes two transmitters	S
Remote start—Automatic transmission only	S
Shift Knob	
Leather-wrapped	S
Pistol grip (six-speed manual transmission only)	O
Speedometer	
180-mph with electroluminescent display and tachometer	S
Steering Column—Tilt/telescoping, manual	S
Steering Wheel	
Leather-wrapped with accent stitching	S
Steering wheel-mounted audio and EVIC controls	S
Temperature Display—Outside, located in instrument cluster	S
Seating	
SRT performance seats with exclusive premium-leather trim and red stripe insert	S
Plum leather accent seat-stripe insert (available on special-edition Plum Crazy Model)	P
Front	
Power-adjustable, performance	S
Eight-way power driver's	S
Heated	S
Manual driver/passenger adjustable lumbar	S
Rear	
60/40 split-folding bench with armrest and two cup holders	S

2010 DODGE CHALLENGER SRT8® FEATURE AVAILABILITY

	SRT8®
Radios	
AM/FM/CD/DVD/MP3	S
iPod Control®	S
SIRIUS Satellite Radio	S
Uconnect Navigation (requires SRT Option Group II)	0
Uconnect Phone	S
Sound Systems	
Six Boston Acoustics® speakers with 276-watt digital amplifier	S
Thirteen SRT high-performance KICKER® speakers (eight locations) with a 322-watt digital amplifier and 200-watt subwoofer amplifier with Driver Selectable Surround (DSS) sound (included with SRT Group II)	P
Windows —Power front one-touch auto down	S
POWERTRAIN AND CHASSIS	
6.1L SRT HEMI V-8 with five-speed automatic transmission with Auto Stick and limited-slip differential	S
6.1L SRT HEMI V-8 with six-speed manual transmission with TRACK PAK (Hill-start Assist, limited-slip differential, bright pedal covers, performance steering, ESP full-off switch)	0
Alternator —160-amp	S
Battery —625-amp, maintenance-free	S
Battery-saver Feature —Enhanced, programmable to turn headlamps and other switched and non-switched interior lamps off after ignition is turned off	S
Brakes	
High-performance four-wheel disc anti-lock with vented 14-inch front and 13.8-inch rear discs; includes Brembo Performance four-piston calipers and all-speed traction control	S
Anti-lock Brake System (ABS)	S
Brake Assist	S
Engine Cooling	
Severe-duty II	S
Fuel Tank	
19-gallon with tethered cap	S
Speed Control —Electronic with steering column-mounted controls	S
Steering	
Performance-tuned	S
Suspension	
SRT-tuned dampers, specially tailored spring rates and suspension bushings	S
Large-diameter anti-sway bars	S
Modified front and rear knuckles	S
Tip Start —Prevents ignition from over-cranking (N/A with manual transmission)	S
Axle —Limited-slip differential	S
Tires	
Front and Rear—P245/45ZR20 Goodyear RSA four-season	S
Front—P245/45ZR20 Goodyear F1 three-season	0
Rear—P255/45ZR20 Goodyear F1 three-season	0
TIREFIT System: tire sealant and electric compressor	S
Wheels	
20-inch SRT-exclusive, fully forged, polished aluminum	S

2010 DODGE CHALLENGER SRT8® AVAILABILITY

SRT8®

SAFETY AND SECURITY

Air Bags^(a)

Advanced multi-stage for driver and front-passenger	S
Supplemental side-curtain for front and rear outboard occupants	S

LATCH Child Seat Anchor System—Mounts for two child seats in the rear help ease the installation of compatible aftermarket child seats

S

Electronic Stability Program (ESP)^(b)—Three mode tuned for SRT performance with brake knockback mitigation software

S

Seat Belts

Three-point driver and front-passenger with traveling buckles	S
Seat-belt pretensioners	S
Three-point lap/shoulder belts at all rear-seat positions	S

Security Alarm

S

Sentry Key®—Anti-theft engine immobilizer

S

Tire-pressure Monitoring (TPM) Warning Lamp

S

Tire-pressure Monitoring (TPM) Display

S

Uconnect Phone

S

^(a) Certified to the federal regulation for automatic passenger occupant classification. Always use seat belts. Children 12 and under should always be in a back seat correctly using an infant or child restraint system, or the seat belt positioned correctly for the child's age and size. The Occupant-classification System (OCS) determines the conditions for activation or deactivation of the passenger-side front air bag based upon the weight of the occupant. It may not activate the air bag if the occupant has incorrect seating posture or is moving in the seat. You should observe the air bag lamp to determine if the OCS is deciding properly. Passengers should sit properly in the seat with the seat belt fastened at all times.

^(b) No system, no matter how sophisticated, can repeal the laws of physics or overcome careless driving actions. Performance is limited by available traction, which snow, ice and other conditions can affect. When the ESP warning lamp in the speedometer flashes, the driver needs to use less throttle and adapt speed and driving behavior to prevailing road conditions. Always drive carefully, consistent with conditions. Always wear your seat belt.

PACKAGES / EQUIPMENT GROUPS

SRT Option Group II —13 KICKER® SRT high-performance audio speakers, 322-watt KICKER® SRT amplifier and 200-watt KICKER® SRT subwoofer with Driver Selectable Surround (DSS) sound	0
Uconnect Navigation —Requires SRT Option Group II	0
Track Pak —Includes six-speed manual transmission, Hill-start Assist (HSA), (3.91 final-drive ratio with 20-inch wheels), and bright pedals (packaged with the manual transmission)	0
Plum Crazy Model —Includes unique Plum Crazy Pearl Coat exterior color, plum accent seat-stripe insert and color-cued accent stitching in steering wheel and serialized dash plaque	0
SRT Track Experience —Includes a one-day driving experience designed for SRT owners and performance enthusiasts to maximize their driving knowledge and skills on the street or track. All SRT owners and enthusiasts are eligible to participate in this day-long event held at selected tracks throughout the season with first-rate driving instruction from the professionals at the Richard Petty Racing School	S