

2020 DODGE CHARGER / CHARGER SRT

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

Vehicle Type	E-segment sedan, rear-wheel drive (RWD), all-wheel drive (AWD)
Assembly Plant	Brampton Assembly Plant, Ontario, Canada
EPA Vehicle Class	Large car
Introduction Date	2014 as a 2015 model

BODY AND CHASSIS

Layout	Longitudinal front engine, RWD or AWD
Construction	Unitized steel body and aluminum hood

ENGINE: 3.6-LITER PENTASTAR V-6

Availability	Standard – SXT, SXT AWD, GT and GT AWD
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 in. (96.0 x 83.0 mm)
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)	292 bhp (218 kW) @ 6,350 rpm
	300 bhp (224 kW) @ 6,350 rpm SXT AWD, GT and GT AWD

Torque (SAE net)	260 lb.-ft. (353 N·m) @ 4,800 rpm
	264 lb.-ft. (358 N·m) @ 4,800 rpm SXT AWD, GT and GT AWD
Max. Engine Speed	6,400 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R+M)/2
Oil Capacity	6 quarts (5.7 liters)
Coolant Capacity	14.0 quarts (13.25 liters)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors and internal engine features
Max. Gross Trailer Weight	1,000 lbs. (454 kg)
EPA Fuel Economy mpg (city/hwy/cmb)	19/30/23 (RWD); 18/27/21 (AWD)
Engine Assembly Plant	Trenton South Engine Plant, Trenton, Michigan

ENGINE: 5.7-LITER HEMI® V-8 WITH FUEL SAVER TECHNOLOGY

Availability	Standard – R/T models
Type and Description	90-degree V-type, liquid-cooled with variable-cam timing (VCT)
Displacement	345 cu. in. (5654 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
Power (SAE net)	370 bhp (276 kW) @ 5,250 rpm
Torque (SAE net)	395 lb.-ft. (536 N·m) @ 4,200 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 quarts (6.6 liters)
Coolant Capacity	14.7 quarts (13.9 liters)
Emission Controls	Dual close-coupled three-way catalytic converters, quad heated oxygen sensors and internal engine features
Exhaust Type	Dual 2.75-in. straight-thru exhaust system using twin electronic exhaust valves (EEV); features 4-in. chrome round tips
Max. Gross Trailer Weight	1,000 lbs. (454 kg)
EPA Fuel Economy mpg (city/hwy/combined)	15/24/18

ENGINE: 392 HEMI V-8 POWERED BY SRTENGINE: 392 HEMI V-8 POWERED BY SRT

Availability	Standard – Scat Pack models
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) @ 6,100 rpm
Torque (estimated SAE net)	475 lb.-ft. (644 N·m) @ 4,100 rpm
Max. Engine Speed	6,400 rpm (electronically limited)
Fuel Requirement	Premium 91 octane (R+M)/2 – required
Oil Capacity	7 quarts (6.6 liters)
Factory Oil Fill	0W-40 Pennzoil Ultra synthetic
Coolant Capacity	15 quarts (14.4 liters)

Emission Controls	Dual close-coupled three-way catalytic converters, quad-heated oxygen sensors and internal engine features
Exhaust Type	Dual, 2.75 in. electronically controlled, performance-tuned Active Exhaust system with 4-in. chrome round tips
Max. Gross Trailer Weight	Not rated for trailer-tow
EPA Fuel Economy mpg (city/hwy/combined)	15/24/18

ENGINE: SUPERCHARGED 6.2-LITER HEMI HELLCAT V-8

Availability	Standard – SRT Hellcat
Type and Description	90-degree V-type, liquid-cooled
Displacement	376 cu. in. (6,166 cu. cm)
Bore x Stroke	4.09 x 3.58 (103.9 x 90.9)
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
Construction	Deep-skirt cast-iron block with cross-bolted main bearing caps, unique aluminum alloy heads with hemispherical combustion chambers
Compression Ratio	9.5:1
Power (SAE J2723)	707 hp (527 kW) at 6,000 rpm with Premium 91 octane fuel
	717 hp (535 kW) at 6,100 rpm with Premium 91 octane fuel (Daytona 50th Anniversary Edition)
Torque (SAE J2723)	650 lb.-ft. (881 N·m) @ 4,800 rpm with Premium 91 octane fuel
Max. Engine Speed	6,200 rpm (electronically limited)
Fuel Requirement	Premium 91 octane (R+M)/2 – required
Oil Capacity	7 quarts (6.6 liters)
Factory Oil Fill	0W-40 Pennzoil Ultra synthetic

Coolant Capacity	15 quarts (14.4 liters)
Induction System	Combined air-flow rate of 1,094 CFM from mail slot grille opening
Intercooler System	Separate low-temp cooling system with dual water-to-air intercoolers and a high-flow variable-speed electric water pump
	When engine is shut down, radio-selectable Race Cooldown feature turns on radiator fan and intercooler water pump to reduce intercooler coolant temperature
Emission Controls	Dual close-coupled three-way catalytic converters heated wide range upstream and switching downstream O2 sensors and internal engine features.
Exhaust Type	Dual 2.75-in. straight-thru exhaust system using twin electronic exhaust valves (EEV) with 4-in. chrome round tips
Max. Gross Trailer Weight	Not rated for trailer-tow
EPA Fuel Economy mpg (city/hwy/combined)	12/21/15
Assembly Plant	Saltillo Engine Plant, Saltillo, Mexico

TRANSMISSION: TORQUEFLITE 8HP50 EIGHT-SPEED AUTOMATIC

Availability	Standard with 3.6-liter Pentastar V-6 engine, RWD
Description	Adaptive electronic control, Sport Mode and available 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	4.71
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 850RE EIGHT-SPEED AUTOMATIC

Availability	Standard with 3.6-liter Pentastar V-6 engine, AWD
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	4.71
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	3.08
Overall Top Gear	2.06

TRANSMISSION: TORQUEFLITE 8HP70 EIGHT-SPEED AUTOMATIC

Availability	Standard with 5.7-liter and 392 HEMI V-8 engines
Description	Adaptive electronic control, configurable drive modes and 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	4.71
2nd	3.14
3rd	2.10
4th	1.67
5th	1.29
6th	1.00
7th	0.84
8th	0.67
Reverse	3.32
Final Drive Ratio	2.62 – standard with 5.7-liter
	3.09 – asymmetric limited-slip, performance-tuned, standard with 392 HEMI V-8
Overall Top Gear	1.75 – (with 2.62 final drive ratio)
	2.07 – (with 3.09 final drive ratio)

TRANSMISSION: TORQUEFLITE 8HP90 EIGHT-SPEED AUTOMATIC

Availability	Standard on SRT Hellcat
Description	Adaptive electronic control with full manual control via gear selector or paddle shifters, with three SRT-unique selectable modes: Street, Sport and Track (features performance shifting and gear holding feature)

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	3.32
Final Drive Ratio	2.62 – asymmetric limited-slip, performance-tuned
Overall Top Gear	1.76

TRANSFER CASE

Availability	Standard – SXT AWD and GT AWD
Type	Active, fully variable with front-axle disconnect
Center Differential	Planetary
Torque Split, Front/Rear	Fully variable

ELECTRICAL SYSTEM

Alternator	160-amp – standard on SXT
	180-amp – standard on SXT AWD, GT, GT AWD and R/T models; optional on SXT
	220-amp – standard on Scat Pack models and SRT Hellcat
Battery	H7 Case, 730 CCA, maintenance-free

STEERING

Type	Electric power steering (EPS) with multi-mode assist
Overall Ratio	16.5:1 – SXT AWD
	14.4:1 – all RWD models
Turn Circle (curb-to-curb)	37.7 ft. – SXT, GT, R/T models
	38.7 ft. – SXT AWD and GT AWD
	37.5 ft. – Scat Pack
	39.0 ft. – SRT Hellcat and Scat Pack Widebody
Steering Turns (lock-to-lock)	2.6 – SXT, GT, R/T models
	3.1 – SXT AWD and GT AWD
	2.6 – Scat Pack models
	2.5 – SRT Hellcat Widebody

SUSPENSION

Front	Independent SLA with high upper “A” arm Lateral and diagonal lower links (RWD models), one-piece lower-control arms (AWD models)
	Coil spring over gas-charged monotube shock absorbers Bilstein ADS shock absorbers (available on Scat Pack, standard Scat Pack Widebody and SRT Hellcat models) 32 mm (34 mm for SRT models) hollow stabilizer bar
Rear	Five-link independent with coil springs Link-type 19 mm (22 mm on Widebody models) hollow stabilizer bar Gas-charged monotube shock absorbers Gas-charged Bilstein ADS shock absorbers (available on Scat Pack, standard Scat Pack Widebody and SRT Hellcat models) Isolated suspension cradle
Touring-tuned Suspension	Standard – SXT
Normal duty Suspension	Standard – SXT AWD and GT AWD
Sport-tuned Suspension	Optional – SXT
Performance Suspension	Standard – GT and R/T models

High-performance Suspension (included with Performance Handling)	Standard – Scat Pack models; optional on GT and R/T models
Widebody Competition Suspension (included with Widebody Package)	Standard – SRT Hellcat; available on Scat Pack
SRT-tuned Three-mode Adaptive Damping Suspension (ADS)	Standard – SRT Hellcat; available on Scat Pack Auto Mode: sporty, compliant ride Sport Mode: firm, improved handling Track Mode: firmest, maximum handling

DIMENSIONS AND CAPACITIES

Wheelbase	120 (3,048)
Track, Front	63.4 (1,611) – SXT, GT and R/T
	63.3 (1,607) – SXT AWD and GT AWD
	64.0 (1,625) – Scat Pack
	65.6 (1,667) – Scat Pack Widebody and SRT Hellcat
Track, Rear	63.8 (1,620) – SXT, GT and R/T
	63.4 (1,611) – SXT AWD and GT AWD
	63.7 (1,617) – Scat Pack
	65.3 (1,658) – Scat Pack Widebody and SRT Hellcat
Overall Length	198.4 (5,040) – SXT and SXT AWD
	200.8 (5,100) – GT, GT AWD, R/T and Scat Pack
	201.0 (5,105) – Scat Pack Widebody and SRT Hellcat
Overall Width (with mirrors)	82.7 (2,100)
Overall Width (without mirrors)	75.0 (1,905) – SXT, SXT AWD, GT, GT AWD, R/T and Scat Pack
	78.3 (1,989) – Scat Pack Widebody and SRT Hellcat (at widest point of vehicle, rear flares)
Overall Height	58.5 (1,485) – SXT AWD and GT AWD
	57.8 (1,467) – SXT, GT, R/T and Scat Pack
	57.6 (1,462) – SRT Hellcat

Frontal Area, sq. ft. (sq. m)	25.8 (2.4) – SXT
	26.0 (2.4) – SXT AWD
	26.2 (2.4) – GT, GT AWD, R/T and Scat Pack
	27.2 (2.5) – Scat Pack Widebody and SRT Hellcat
Ground Clearance	5.2 (130.9)
	4.5 (115.2) – SRT Hellcat models
Drag Coefficient (Cd)	0.304 Cd – SXT
	0.330 Cd – SXT AWD
	0.335 Cd – GT, GT AWD, R/T and Scat Pack
	0.380 Cd – Scat Pack Widebody
	0.381 Cd – SRT Hellcat
Curb Weight, lb. (kg)	3,957 (1,795) – SXT
	4,213 (1,911) – SXT AWD
	4,063 (1,843) – GT
	4,232 (1,920) – GT AWD
	4,286 (1,944) – R/T models
	4,373 (1,983) – Scat Pack models
	4,587 (2,080) – SRT Hellcat
Weight Distribution, percent F/R	52/48 – SXT and GT
	53/47 – SXT AWD and GT AWD
	55/45 – R/T models
	55/45 – Scat Pack models
	56/44 – SRT Hellcat
Fuel Tank Capacity, gallons (liters)	18.5 (70.0)

ACCOMMODATIONS

Seating Capacity, F/R	2/3 – standard
Front	
Headroom	38.6 (981)
	36.9 (938) with sunroof
Legroom	41.8 (1,061)
Shoulder room	59.5 (1,510)
Hip room	56.2 (1,428)
Seat travel	Driver – 10.0 (255)
	Passenger – 8.66 (220)
Recliner angle range, deg.	Power – 70.7
	Manual – 70.0
EPA front volume index cu. ft. (cu. m)	55.6 (1.57)
Rear Seat	
Headroom	36.6 (930)
Legroom	40.1 (1,019)
Knee clearance	3.9 (99)
Shoulder room	57.9 (1,472)
Hip room	56.1 (1,425)
EPA second row interior volume, cu. ft. (cu. m)	49.2 (1.39)
Total Interior Volume, cu. ft. (cu. m)	104.7 (2.97)
EPA Luggage Compartment Volume, cu. ft. (cu. m)	16.5 (0.47)
EPA Interior Volume Index, cu. ft. (cu. m)	120.8 (3.42)
Trunk Liftover Height	30.1 (764)

TIRES

Availability	Standard on SXT
Size and type	P215/65R17 BSW Low Rolling Resistance All-season Touring
Mfr. and model	Michelin Energy Saver
Revs per mile (km)	745 (463)
Availability	Standard on SXT AWD and GT AWD
Size and type	235/55R19 BSW All-season Performance
Mfr. and model	Michelin Primacy MXM4
Revs per mile (km)	715 (444)
Availability	Standard on GT, R/T and Scat Pack; Optional on SXT (packaged with Blacktop Package, Plus Group)
Size and type	245/45ZR20 All-season Performance
Mfr. and model	Goodyear RS-A
Revs per mile (km)	733 (456)
Availability	Optional on GT, R/T and Scat Pack
Size and type	245/45ZR20 Three-season Performance
Mfr. and model	Goodyear Eagle F1
Revs per mile (km)	726 (451)
Availability	Optional on Scat Pack (packaged with Daytona Edition Group, Dynamics Package)
Size and type	275/40ZR20 All-season Performance
Mfr. and model	Pirelli P Zero All-season
Revs per mile (km)	718 (446)

Availability	Optional on Scat Pack
Size and type	275/40ZR20 Summer
Mfr. and model	Pirelli P Zero
Revs per mile, (km)	718 (446)
Availability	Standard on SRT Hellcat; optional on Scat Pack (included with Widebody Package)
Size and type	305/35ZR20 All-season Performance
Mfr. and model	Pirelli P Zero All-season
Revs per mile, (km)	731 (454)
Availability	Optional on Scat Pack (included with Widebody Package) and SRT Hellcat
Size and type	305/35ZR20 Three-season Performance
Mfr. and model	Pirelli P Zero
Revs per mile, (km)	731 (454)

WHEELS

Availability	Standard on SXT
Type and material	Fine Silver
Size	17 x 7 in.
Availability	Standard on SXT AWD and GT AWD
Type and material	Satin Carbon
Size	19 x 7.5 in.
Availability	Optional on SXT AWD and GT AWD (included with Blacktop Package)
Type and material	Black Noise
Size	19 x 7.5 in.

Availability	Standard on GT; optional on SXT (included with Plus Group)
Type and material	Satin Carbon, wide spoke design
Size	20 x 8 in.
Availability	Standard on R/T; optional on GT (included with Plus Group)
Type and material	Satin Carbon, tight spoke design
Size	20 x 8 in.
Availability	Optional on R/T (included with Plus Group)
Type and material	Machined with Granite pockets
Size	20 x 8 in.
Availability	Optional on SXT, GT and R/T (included with Blacktop Package)
Type and material	Black Noise
Size	20 x 8 in.
Availability	Optional on GT and R/T (included with Performance Handling Group, Daytona Edition Group)
Type and material	Low Gloss Black
Size	20 x 9 in.
Availability	Standard on Scat Pack
Type and material	Forged Low Gloss Granite
Size	20 x 9 in.

Availability	Optional on Scat Pack (included with Daytona Edition Group, Dynamics Package)
Type and material	Black Noise
Size	20 x 9.5 in.

Availability	Optional on Scat Pack
Type and material	Brass Monkey
Size	20 x 9.5 in.

Availability	Optional on Scat Pack (included with Widebody package)
Type and material	Devil's Rim
Size	20 x 11 in.

Availability	Standard on SRT Hellcat; optional on Scat Pack
Type and material	Carbon Black
Size	20 x 11 in.

Availability	Optional on SRT Hellcat
Type and material	"Warp Speed" Granite
Size	20 x 11 in.

Availability	Optional on SRT Hellcat
Type and material	Brass Monkey
Size	20 x 11 in.

Availability	Packaged on SRT Hellcat (included with Daytona 50th Anniversary Edition)
Type and material	“Warp Speed” Satin Carbon
Size	20 x 11 in.

BRAKES

Sport Brake Package	Standard on SXT
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	210 sq. in. (1,358 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 SXT AWD, GT, GT AWD and R/T
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 Scat Pack; Optional on GT, R/T models
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)
SRT/Brembo Ultra-high-performance Brake Package	Standard on SRT Hellcat
	Included on Scat Pack with Daytona Edition Group and Dynamics Package
Front	
Rotor size and type	15.4 x 1.34 (390 x 34.0) two-piece aluminum hat, vented and slotted
Caliper size and type	1.42 (36 mm) Brembo six-piston fixed monoblock aluminum
Swept area	424 sq.in. (2,735 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.)
Four-wheel Anti-lock Brake System (ABS) and Traction Control	Standard
Electronic Stability Control (ESC) and Brake Assist	Standard
Brake Knockback Mitigation	Standard
Hill-start Assist (HSA)	Standard

Three-mode (Normal, Sport, Off) ESC/Traction Control Mode Selection	Standard on SXT AWD, GT, GT AWD and R/T models
Four-mode (Street, Sport, Track, Off) ESC/Traction Control Mode Selection	Standard on Scat Pack, SRT Hellcat models
Power-assist Type	8 + 9 (203 + 209) tandem-diaphragm vacuum booster

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