

DODGE AVENGER SPECIFICATIONS

Dimensions are in inches (millimeters) at curb weight with standard wheels and tires unless otherwise noted.

GENERAL INFORMATION

Body Style	Four-door sedan
Assembly Plant	Sterling Heights Assembly, Michigan
EPA Vehicle Class	Midsized

ENGINE: 2.4-LITER, GASOLINE, DOHC, 16-VALVE, VVT, SMPI I4

Availability	Standard Avenger SE and SXT
Type and Description	Four cylinders in line, tuned intake manifold with Electronic Active Charge Motion Control valves dual counter-rotating balance shafts
Displacement	144 cu. in. (2360 cu cm)
Bore x Stroke	3.46 x 3.82 (88 x 97)
Valve System	Chain-driven DOHC, 16 valves, electronically controlled dual Variable Valve Timing, direct-acting shimless mechanical bucket tappets
Fuel Injection	Sequential, multi-port, electronic, returnless
Construction	High-pressure die cast aluminum block with dry iron liners, Cast-aluminum cylinder heads, cast-aluminum ladder frame, Forged steel crankshaft
Compression Ratio	10.5:1
Power (SAE net, estimated)	173 bhp (129 kW) @ 6,000 rpm (71 bhp/liter)
Torque (SAE net, estimated)	166 lb.-ft. (225 N•m) @ 4400 rpm
Max. Engine Speed	6,500 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R+M)/2
Oil Capacity	5.0 qt. (4.7L) SAE 5W-20
Coolant Capacity	7.2 qt. (6.8L)
Emission Controls	Single catalytic converter, FWD, Dual heated oxygen sensors and engine features
Smog-Forming Pollution	0.9 g/mile (0.56 g/km) ¹
Estimated EPA fuel economy	21/30 based on 2008 EPA standards 24/32 based on 2007 EPA standards

ENGINE: 2.7-LITER, GASOLINE, SOHC, 12-VALVE, SMPI V6

Availability	Optional on Avenger SXT
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¹ Meets Federal Tier 2, Bin 5 emission requirements and Clean Fuel Fleet emissions requirements in designated U.S. metropolitan communities. NMOG + NOx emission limits under ULEV II for California, Massachusetts, New York, Maine and Vermont. Meets Euro IV emissions requirements. Meets Euro IV emissions requirements.

Type and Description	60-degree, liquid-cooled, dual-tuned intake manifold with electronically controlled manifold tuning valve
Displacement	167 cu. in. (2,736 cu cm)
Bore x Stroke	3.38 x 3.09 (86 x 78.5)
Valve System	DOHC, 24 valves, hydraulic end-pivot roller followers
Fuel Injection	Sequential, multi-port, electronic
Construction	Semi-permanent mold aluminum block with cast-in iron liners, cast-aluminum heads
Compression Ratio.....	9.9:1
Power (SAE net, estimated).....	189 bhp (141 kW) @ 6,400 rpm (70.4 bhp/liter)
Torque (SAE net, estimated)	191 lb.-ft. (259 N·m) @ 4,000 rpm
Max. Engine Speed.....	6,464 rpm (electronically limited)
Fuel Requirement.....	FFV: Unleaded regular, 87 octane (R+M)/2 or E-85 ²
Oil Capacity	6 qt. (5.7 L) with dry filter SAE 5W-20
Coolant Capacity.....	9.5 qt. (9L)
Emission Controls	Dual close-coupled 3-way catalytic converters, Quad heated oxygen sensors and internal engine features ³
Estimated EPA fuel economy	19/27 based on 2008 EPA standards 22/30 based on 2007 EPA standards

² E-85 fuel is a blend containing 85 percent fuel-grade ethanol and 15 percent gasoline that is available primarily in farm-belt states. Federal FFV (Flexible Fuel Vehicle) can operate on both unleaded gasoline or E-85 fuel, or any mixture of these fuels.

³. Meets Tier 2, Bin 8 emission requirements and Clean Fuel Fleet (CFF) emissions requirements using MS-8004 fuel commonly referred to as Indolene in designated U.S. metropolitan communities. California vehicles meet Tier 2, Bin 5 and LEV II requirements for California, Massachusetts, New York, Maine and Vermont. Meets Euro IV emissions requirements.

ENGINE: 3.5-LITER, GASOLINE, SOHC, 24-VALVE, SMPI V6

Availability	Standard Avenger R/T and Avenger R/T AWD
Type and Description	60-degree bank angle, liquid-cooled, three-plenum intake manifold with electronically controlled manifold tuning valve and short-runner valves
Displacement	3,518 cu. cm
Bore x Stroke	96 x 81
Valve System	SOHC, 24 valves, hydraulic, center-pivot roller rocker arms
Fuel Injection	Sequential, multi-port, electronic
Construction	Semi-permanent mold aluminum block with cast-in iron liners and cast aluminum heads
Compression Ratio	10.0:1
Power (SAE net, estimated)	235 bhp (175 kW) @ 6400 rpm (71.4 bhp/liter)
Torque (SAE net, estimated)	232 lb.-ft./315- N•m @ 4000 rpm
Max. Engine Speed	6800 rpm (electronically limited)
Fuel Requirement	Unleaded mid-grade, 89 octane (R+M)/2 – preferred, unleaded regular, 87 octane (R+M)/2 – acceptable
Oil Capacity	5.7 L with dry filter SAE 5W-20
Coolant Capacity	9.75 L
Emission Controls	Three-way catalytic converter, electronic EGR, and internal engine features ⁴
Estimated EPA fuel economy*	
FWD	16/26 based on 2008 EPA standards 19/28 based on 2007 EPA standards
AWD	17/26 based on 2007 EPA standards

*Estimates based on 2008 standards not available at press time

TRANSAXLE: 40TES, AUTOMATIC FOUR-SPEED OVERDRIVE

Availability	Standard with 2.4L engine
Description	4-speed overdrive, adaptive electronic control, electronically modulated converter clutch
Gear Ratios	
1 st	2.842
2 nd	1.57
3 rd	1.0
4 th	0.69
Reverse	2.21
Final Drive Ratio	3.91 with 2.4L engine

⁴ Meets Federal Tier 2, Bin 5 emission requirements and Clean Fuel Fleet (CFF) emissions requirements using MS-8004 fuel commonly referred to as Indolene in designated U.S. metropolitan communities. NMOG + NOx emission limits under ULEV II for California, Massachusetts, New York, Maine and Vermont. FWD Meets Euro IV emissions requirements.

Overall Top Gear2.70 with 2.4L engine

TRANSAXLE: 41TES, AUTOMATIC FOUR-SPEED OVERDRIVE

Availability Standard with 2.7L engine

Description 4-speed overdrive, adaptive electronic control,
electronically modulated converter clutch

Gear Ratios

1st 2.842

2nd 1.57

3rd 1.0

4th 0.69

Reverse 2.21

Final Drive Ratio..... 3.91

Overall Top Gear..... 2.70

TRANSAXLE: 62TE, AUTOMATIC SIX-SPEED OVERDRIVE

Availability Standard with 3.5L engine

Description Six-speed, adaptive electronic control
or Auto Stick driver-interactive manual control
and electronically modulated torque converter clutch

Gear Ratios

1st 4.127

2nd 2.842

3rd 2.283

4th Upshift — 1.452, WOT kickdown — 1.570

5th 1.00

6th 0.690

Reverse 3.214

Transfer Ratio 0.95

Final Drive Ratio..... 3.430

Overall Top Gear..... 2.248

DRIVETRAIN

Front-Wheel Drive

Availability Standard with all engines

All-Wheel Drive

Availability Optional in U.S. (late availability)

Type Electronically Controlled Coupling (ECC) with variable torque output

Rear Differential Open

DIMENSIONS AND CAPACITIES

General

Wheelbase 108.9 (2765.0)

Track, Front 61.8 (1569.7)

Track, Rear 61.8 (1569.7)

Overall Length 190.9 (4848.5)

Overall Width 71.8 (1824.2)

Overall Height 58.9 (1496.4)

Aero

CdA 8.2

Cd 0.326

Fuel Tank Capacity, gal. (L) FWD – 16.9 (64.0)

AWD – 17.3 (65.5)

Towing Capabilities

2.4L Auto. Trans. 1000 (450)

2.7L Auto. Trans. 2000 (900)

3.5L Auto. Trans. 2000 (900)

Curb Weight, wet (lbs. kg)

2.4L Gasoline Engine Avenger SE, Auto. Trans. FWD – 3355 (1522)

Avenger SXT, Auto. Trans. FWD – 3405 (1545)

2.7L Gasoline Engine Avenger SXT, Auto. Trans. FWD – 3465 (1572)

3.5L Gasoline Engine Avenger R/T, Auto. Trans. FWD – 3568 (1618)

Avenger R/T, Auto. Trans. AWD – 3738 (1696)

ACCOMMODATIONS

Seating Capacity - F/R 2/3

EPA Total Interior Passenger Volume, cu. ft. (cu. M) 100.9 (2.857)

Front

Head Room w/o Sunroof 40.0 (1016.9)

Head Room w/Sunroof 37.9 (963.4)

Leg Room.....	42.4 (1077.1)
Shoulder Room	56.4 (1432.8)
Hip Room	53.2 (1352.4)
Seat Travel.....	10.32 (260)
EPA Front Compartment Volume, cu. ft. (cu. M)	55.3 (1.57)

Rear

Head Room w/o Sunroof	38.3 (972.3)
Head Room w/Sunroof.....	38.3 (972.3)
Leg Room.....	36.5 (926.8)
Shoulder Room	56.3 (1430.2)
Hip Room	53.2 (1351.0)
Knee Clearance	2.9 (74.1)
EPA Rear Compartment Volume, cu. ft. (cu. M)	45.55 (1.29)
Cargo	
Liftover Height	30.8 (781.9)
SAE Luggage Compartment Volume, cu. ft. (cu. M)	13.35 (0.368)

BODY/CHASSIS

Layout.....	Transverse front engine, front-wheel drive or all-wheel drive
Construction	Steel Unibody

SUSPENSION

Front.....	Independent MacPherson strut, coil spring over gas-charged shock absorbers, stabilizer bar with isolated suspension cradle
Rear.....	Multi-link independent with coil springs, link-type stabilizer bar, gas-charged shock absorbers and isolated rear suspension cradle

STEERING

Type	Speed-proportional, Power Rack and Pinion
Overall Ratio	16.5:1
Turning Diameter (curb-to-curb)	36.5 ft. (11.13)
Steering Turns (lock-to-lock).....	3.3

BRAKES

Power Assist Type	All - 8 x 9 (204 x 230) Tandem-diaphragm vacuum
Availability	Standard on Avenger SE
<i>Front</i>	
Size and Type	11.5 x 1.0 (294 x 26) Vented Rotors with 2.2 (57.0) single-piston floating caliper
Swept Area (total front)	223.5 sq. in. (1442.1 sq. cm)

Rear

Size and Type9.0 x 0.8 (229 x 35) Machined Drums
Swept Area (total rear) 78.1 sq. in. (503.6 sq. cm)
Parking Brake Type..... Drum

AvailabilityStandard on Avenger SXT with I4 engine
Optional on Avenger SE

Front

Size and Type11.5 x 1.0 (294 x 26) Vented Rotors
with 2.2 (57.0) single-piston floating caliper
Swept Area (total front) 223.5 sq. in. (1442.1 sq. cm)

Rear

Size and Type9.0 x 0.8 (229 x 35) Machined Drums
Swept Area (total rear) 78.1 sq. in. (503.6 sq. cm)
Parking Brake Type..... Drum

Front Disc, Rear Drum Anti-lock (ABS)

Availability Standard on Avenger SXT; Optional on Avenger SE

Front

Size and Type11.5 x 1.0 (294 x 26) Vented Rotors
with 2.2 (57.0) single-piston floating caliper
Swept Area (total front) 223.5 sq. in. (1442.1 sq. cm)

Rear

Size and Type 10.3 x 1.39 (262 x 10) solid rotor
with 1.4 (35.0) single-piston floating caliper
Swept Area (total rear) 138.6 sq. in. (894.6 sq. cm)
Parking Brake Type..... Drum-in-hat

Four-wheel Anti-Lock (ABS)

Availability Standard R/T FWD; Optional on Avenger SXT

Front

Size and Type11.5 x 1.0 (294 x 26) Vented Rotors
with 2.2 (57.0) single-piston floating caliper
Swept Area (total front) 223.5 sq. in. (1442.1 sq. cm)

Rear

Size and Type 10.3 x 1.39 (262 x 10) Solid Rotor
with 1.4 (35.0) single-piston floating caliper
Swept Area (total rear) 138.6 sq. in. (894.6 sq. cm)
Parking Brake Type..... Drum-in-hat
Electronic Stability Program (ESP)Optional

AvailabilityStandard on Avenger R/T AWD

Front

Size and Type11.5 x 1.0 (294 x 26) Vented Rotors

with 2.2 (57.0) single-piston floating caliper
 Swept Area (total front) 223.5 sq. in. (1442.1 sq. cm)
Rear
 Size and Type 11.88 x 0.4 (302 x 10) Solid rotor
 with 1.4 (35.0) single-piston floating caliper
 Swept Area (total rear) 223.2 sq. in. (1440 sq. cm)
 Parking Brake Type..... Drum-in-hat
 Four-wheel Anti-Lock (ABS) Standard
 Electronic Stability Program (ESP) Standard
 Traction Control..... Standard

WHEELS

Availability Standard on Avenger SE
 Type and Material Steel Painted with Sparkle Silver Wheelcover
 Size 16 x 6.5

Availability Standard on Avenger SXT
 Type and Material Machined and Painted Cast Aluminum, Sparkle Silver
 Size 17 x 6.5

Availability Standard on Avenger R/T, Optional on Avenger SXT
 Type and Material Machined and Painted Cast Aluminum, Burnished w/Sparkle Silver
 Size 18 x 7.0

Availability Optional on Avenger R/T
 Type and Material Chrome-Clad Cast Aluminum
 Size 18 x 7.0

TIRES

Availability Avenger SE
 Size and Type P215/65R16, All Season
 Model..... Firestone FR690
 Revs/Mile (Km)..... 774 (1254.6)

Availability Standard on Avenger SXT, Optional on Avenger SE
 Size and Type P215/60R17, All-season Touring
 Model..... Bridgestone Turanza EL400
 Revs/Mile (Km)..... 772 (1242.4)

Availability Optional on Avenger SXT
 Size and Type P215/55R18, All-season Touring
 Model..... Bridgestone Turanza EL400
 Revs/Mile (Km)..... 763 (1227.9)

Availability Standard on Avenger R/T
Size and Type P215/55R18, All-season Performance
Model..... Bridgestone Potenza RE92A
Revs/Mile (Km).....763 (1227.9)