

SPECIFICATIONS

Dimensions are in inches (millimeters) unless otherwise noted.

GENERAL INFORMATION

Body Style _____ Four-door sedan
 Assembly Plant _____ Brampton, Ontario, Canada
 EPA Vehicle Class _____ Large car
 Introduction Date _____ Spring 2004 as 2005 model

ENGINE: 2.7-LITER, DOHC, 24-VALVE V-6

Availability _____ Std.—300
 Type and Description _____ 60-degree, liquid-cooled, active dual-plenum intake manifold with electronically controlled manifold tuning valve
 Displacement _____ 167 cu. in. (2736 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, cross-bolted main bearing caps and cast aluminum heads
 Compression Ratio _____ 9.7:1
 Power (SAE net) _____ 190 bhp (142 kW) @ 6400 rpm (70.4 bhp/liter)
 Torque (SAE net) _____ 190 lb.-ft. (258 N•m) @ 4000 rpm
 Max. Engine Speed _____ 6600 rpm (electronically limited)
 Fuel Requirement _____ Unleaded regular, 87 octane (R+M)/2
 Oil Capacity _____ 6 qt. (5.7L) with dry filter
 Coolant Capacity _____ 9.5 qt. (9L)
 Emission Controls _____ Dual close-coupled three-way catalytic converters, quad heated oxygen sensors and internal engine features
 Max. Gross Trailer Weight _____ 1,000 lbs. (454 kg)
 EPA Fuel Economy (MPG City/Hwy.) _____ 21/28

ENGINE: 3.5-LITER, HIGH OUTPUT, SOHC, 24-VALVE V-6

Availability _____ Std.—300 Touring and 300 Limited
 Type and Description _____ 60-degree, liquid-cooled with active three-plenum intake manifold with electronically controlled manifold tuning valve and short-runner valves
 Displacement _____ 214.7 cu. in. (3518 cu. cm)
 Bore x Stroke _____ 3.78 x 3.19 (96 x 81)
 Valve System _____ SOHC, 24 valves, hydraulic, center-pivot roller rocker arms
 Fuel Injection _____ Sequential, multi-port, electronic
 Construction _____ Precision sand cast mold-aluminum block with cast in iron liners, cross-bolted main bearing caps, and cast-aluminum heads
 Compression Ratio _____ 9.91
 Power (SAE net) _____ 250 bhp (186 kW) @ 6400 rpm (70.0 bhp/liter)
 Torque (SAE net) _____ 250 lb.-ft. (340 N•m) @ 3800 rpm
 Max. Engine Speed _____ 6800 rpm (electronically limited)
 Fuel Requirement _____ Unleaded mid-grade, 89 octane (R+M)/2—recommended, unleaded regular, 87 octane (R+M)/2—acceptable
 Oil Capacity _____ 6 qt. (5.7L) with dry filter
 Coolant Capacity _____ 10.3 qt. (9.75L)

continued

SPECIFICATIONS

ENGINE: 3.5-LITER, HIGH OUTPUT, SOHC, 24-VALVE V-6 (CONTINUED)

Emission Controls _____ Dual close-coupled three-way catalytic converters, quad heated oxygen sensors and internal engine features (a)
 Max. Gross Trailer Weight _____ 2,000 lbs. (907 kg)
 EPA Fuel Economy (mpg City/Hwy.) _____ RWD—19/27, AWD—18/24 (estimated)

ENGINE: 5.7-LITER, HEMI® MULTI-DISPLACEMENT V-8

Availability _____ Std.—300C
 Type and Description _____ 90-degree V-type, liquid-cooled
 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, 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 _____ 9.6:1
 Power (SAE net) _____ 340 bhp (254 kW) @ 5000 rpm, (59.6 bhp/L)
 Torque (SAE net) _____ 390 lb.-ft. (525 N•m) @ 4000 rpm
 Max. Engine Speed _____ 5800 rpm (electronically limited)
 Fuel Requirement _____ Unleaded mid-grade, 89 octane (R+M)/2—recommended, unleaded regular, 87 octane (R+M)/2—acceptable
 Oil Capacity _____ 7 qt. (6.6L)
 Coolant Capacity _____ 13.75 qt. (13L)
 Emission Controls _____ Dual close-coupled three-way catalytic converters, quad heated oxygen sensors and internal engine features
 Max. Gross Trailer Weight _____ 2,000 lbs. (907 kg)
 EPA Fuel Economy (mpg City/Hwy.) _____ RWD—17/25, AWD—17/23 (estimated)

TRANSMISSION: FOUR-SPEED AUTOMATIC

Availability _____ Std. with 2.7-liter and 3.5-liter V-6 engines
 Description _____ Three planetary gear sets, one overrunning clutch, full electronic control, electronically controlled torque converter clutch

Gear Ratios

1st _____	2.84
2nd _____	1.57
3rd _____	1.00
4th _____	0.69
Reverse _____	2.21
Final Drive Ratio _____	2.7-liter—3.90, 3.5-liter—3.64
Overall Top Gear Ratio _____	2.7-liter—2.70, 3.5-liter—2.51

(a) Meets Federal Tier 2, Bin 8 emissions requirements; marketed in California as an ULEV 1 (Ultra-Low Emission Vehicle) under cleanest vehicle rules.

continued

SPECIFICATIONS

TRANSMISSION: FIVE-SPEED AUTOMATIC

Availability _____ Std.—300C, included with AWD
 Description _____ Adaptive electronic control, AutoStick® 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 _____	3.17
Final Drive Ratio _____	2.82 (RWD); 3.07 (AWD)
Overall Top Gear _____	2.34 (RWD); 2.55 (AWD)

TRANSFER CASE

Availability _____ Std. with all-wheel drive
 Type _____ Single-speed constant engagement
 Center Differential _____ Planetary
 Torque Split, Front/Rear _____ 38/62

ELECTRICAL SYSTEM

Alternator _____ 300–140-amp
 300 Touring, 300 Limited and 300C–160-amp
 Battery _____ H7 Case, 730 CCA, maintenance-free

DIMENSIONS AND CAPACITIES(a)

Wheelbase _____	120.0 (3048)
Track, Front _____	63.0 (1600)
Track, Rear _____	63.1 (1603)
Overall Length _____	196.8 (4999)
Overall Width _____	74.1 (1881)
Overall Height _____	58.4 (1483)
Ground Clearance _____	5.6 (143)
Frontal Area, sq. ft. (sq. m) _____	25.4 (2.36)

Rear-Wheel Drive

Drag Coefficient _____ 300–0.331; 300 Touring and 300 Limited–0.340; 300C–0.350
 Curb Weight, lb. (kg) _____ 300–3712 (1683); 300 Touring and 300 Limited–3766 (1708);
 300C–4066 (1844)

Weight Dist., F/R _____ 300, 300 Touring and 300 Limited–53/47; 300C–54/46
 Fuel Tank Capacity, gal. (L) _____ 300, 300 Touring and 300 Limited–18 (68); 300C–19 (72)

All-Wheel Drive

Drag Coefficient _____ 300 Touring, 300 Limited, 300C–0.360
 Curb Weight, lb. (kg) _____ 300 Touring, 300 Limited–4034 lbs. (1829);
 300C–4273 lbs. (1938)

Weight Dist., F/R _____ 300 Touring, 300 Limited, 300C–55/45
 Fuel Tank Capacity, gal. (L) _____ 300 Touring, 300 Limited, 300C–19 (72)

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

continued

SPECIFICATIONS

ACCOMMODATIONS

Seating Capacity, F/R _____ 2/3

Front

Head room _____ 38.7 (983)

Leg room _____ 41.8 (1061)

Shoulder room _____ 59.4 (1510)

Hip room _____ 55.9 (1420)

Seat travel _____ Driver-10.6 (270), passenger-8.66 (220)

Recliner angle range, deg. _____ Driver-70, passenger-69

SAE volume, cu. ft. (cu. m) _____ 55.6 (1.58)

Rear

Head room _____ 38.0 (965)

Leg room _____ 40.2 (1020)

Knee clearance _____ 4.8 (122)

Shoulder room _____ 57.7 (1466)

Hip room _____ 55.9 (1421)

SAE volume, cu. ft. (cu. m) _____ 51.0 (1.44)

Total interior volume, cu. ft. (cu. m) _____ 106.6 (3.00)

SAE Cargo Volume, cu. ft. (cu. m) _____ 15.6 (.442)

EPA Interior Volume Index, cu. ft. (cu. m) _____ 122.2 (3.46)

Trunk Liftover Height _____ RWD-30.2 (768); AWD-31.2 (793)

BODY

Layout _____ Longitudinal front engine, rear-wheel drive (AWD optional)

Construction _____ Steel unibody

SUSPENSION

Front _____ Independent SLA with high upper "A" arm, coil spring over gas-charged shock absorbers and stabilizer bar – std. All; Lateral and diagonal lower links with dual ball joint front knuckle – std. RWD, lower "A" arm – std. AWD

Rear _____ Five-link independent with coil springs, gas-charged shock absorbers and isolated suspension cradle – std. All; Rear stabilizer bar on 300C

STEERING

Type _____ Rack and pinion with hydraulic power assist

Overall Ratio _____ 16.1:1

Turning Diameter (curb-to-curb) _____ 38.9 ft. (11.9 m)

Steering Turns (lock-to-lock) _____ 2.75 (RWD); 2.90 (AWD)

continued

SPECIFICATIONS

TIRES

300, 300 Touring and 300 Limited—Standard

Size and type _____ P215/65R17 98T black sidewall all-season ride
 Mfr. and model _____ Goodyear Integrity
 Revs per mile (km) _____ 730 (454)

300, 300 Touring and 300 Limited—Optional

Size and type _____ P215/65R17 98T black sidewall all-season ride self-sealing
 Mfr. and model _____ Continental CT95 ContiSeal™
 Revs per mile (km) _____ 730 (454)

300C and AWD Models—Standard

Size and type _____ P225/60R18 99H black sidewall all-season touring
 Mfr. and model _____ Continental CH95
 Revs per mile (km) _____ 735 (457)

300C and AWD Models—Optional

Size and type _____ P225/60R18 99H black sidewall all-season touring self sealing
 Mfr. and model _____ Continental CH95 ContiSeal™
 Revs per mile (km) _____ 735 (457)

WHEELS

300—Standard

Type and material _____ Stamped-steel
 Size _____ 17 x 7.0

300 Touring—Standard

Type and material _____ Cast-aluminum
 Size _____ 17 x 7.0

300 Limited—Standard

Type and material _____ Chrome-clad cast-aluminum
 Size _____ 17 x 7.0

300C—Standard

Type and material _____ Chrome-clad cast-aluminum
 Size _____ 18 x 7.5

300 Touring, 300 Limited and 300C—AWD

Type and material _____ Polished Slit five-spoke aluminum
 Size _____ 18 x 7.5

continued

SPECIFICATIONS

BRAKES

300, 300 Touring and 300 Limited

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 _____ 254.8 sq. in. (1644 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 _____ 260.4 sq. in. (1680 sq. cm)
 Four-wheel anti-lock and traction control _____ Std.—300 Touring Edition and 300 Limited, Opt.—300
 Electronic stability control and brake assist _____ Std.—300 Touring Edition and 300 Limited, Opt.—300
 Power assist type
 Std. on 300 _____ 8x9 (203 x 229) tandem-diaphragm vacuum booster
 Std. on 300 Tng and 300 Ltd., Opt.—300 _____ 8x9 (203 x 229) active tandem-diaphragm vacuum booster

300C and all AWD models

Front

Rotor size and type _____ 13.6 x 1.1 (345 x 28) vented
 Caliper size and type _____ 1.65 (42) dual-piston sliding with aluminum housing
 Swept area _____ 292 sq. in. (1884 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 _____ 260.4 sq. in. (1680 sq. cm)
 Four-wheel anti-lock and traction control _____ Std.
 Electronic stability control and brake assist _____ Std.
 Power assist type _____ 8 x 9 (203 x 229) tandem-diaphragm vacuum booster