



Automotive Torque Specifications

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Engines

2.5L (2457cc) DOHC 4Cyl			
Component		Torque	
Camshaft Bearing Cap Bolts		14.5 ft. lbs.	
Camshaft Sprocket Bolts		58 ft. lbs.	
Crankshaft Damper Bolt		91-97 ft. lbs.	
Cylinder Head Bolts		NOTE	
Exhaust Pipe-to-Engine Bolts		19-26 ft. lbs.	
Flywheel-to-Crankshaft Bolts		51-55 ft. lbs.	
Front Engine Mount Nuts		61 ft. lbs.	
Idle Air Control Solenoid		57 inch lbs.	
Intake Manifold Bolts		17-20 ft. lbs.	
Main Bearing Bolts	6 and 8mm Bolts	Bolts #1-7	14-20 ft. lbs.
		Bolt #8	4.7 ft. lbs.
	10mm Bolts		33-37 ft. lbs.
Oil Pan		3-4 ft. lbs.	
Oil Pan Drain Plug		33-36 ft. lbs.	
Oil Pump Mounting Bolts		56 inch lbs.	
Piston Pin Access Plugs		46-56 ft. lbs.	
Pitching Stopper Bolts	Body Side		49 ft. lbs.
	Engine Side		40 ft. lbs.
Rod Bearing Bolts		32-34 ft. lbs.	
Spark Plugs		13-17 ft. lbs.	
Starter Bolts		34-40 ft. lbs.	
Thermostat Housing-to-Engine Bolts		52-61 inch lbs.	
Throttle Body-to-Engine Bolts/Nuts		16 ft. lbs.	
Timing Belt Cover Bolts		44 inch lbs.	
Timing Belt Idler Bolt		29 ft. lbs.	
Timing Belt Tensioner Bolts		18 ft. lbs.	

NOTE Step 1: Tighten all bolts to 22 ft. lbs.
 Step 2: Tighten all bolts to 51 ft. lbs.
 Step 3: Loosen all bolts, in reverse torque sequence, by 180°
 Step 4: Loosen all bolts, in reverse torque sequence again by 180°

Step 5: Tighten bolts #1 and #2, in the torque sequence, to 25 ft. lbs.

Step 6: Tighten bolts #3, 4, 5 and #6, in the torque sequence, 11 ft. lbs.

Step 7: Tighten all bolts, in torque sequence, by 80-90°

Step 8: Tighten all bolts, in torque sequence, again by 80-90°

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If you have any questions, comments or suggestions, send an e-mail to: autospec@hotmail.com

