

Automotive Torque Specifications

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Subaru Coupes, Sedans and Wagons 1985-96

Engines

3.3L (3318cc) DOHC 6Cyl		
Component	Torque	
Camshaft Bearing Cap Bolts	7 ft. lbs.	
Camshaft Sprocket Bolts	29 ft. lbs.	
Crankshaft Damper Bolt	108-123 ft. lbs.	
Cylinder Head Bolts	NOTE	
Exhaust Manifold Bolts	25-32 ft. lbs.	
Exhaust Manifold Cover Bolts	13-15 ft. lbs.	
Flywheel-to-Crankshaft Bolts	51-55 ft. lbs.	
Front Rubber Cushion-to-Subframe	50 ft. lbs.	
Intake Manifold Bolts	17-20 ft. lbs.	
Main Bearing Bolts	6mm Bolts	3-4 ft. lbs.
	8mm Bolts	17-20 ft. lbs.
	10mm Bolts	29-35 ft. lbs.
Oil Dipstick Tube-to-Engine Bolt	4.3-5.1 ft. lbs.	
Oil Filter	9-12 ft. lbs.	
Oil Pan Bolts	4 ft. lbs.	
Oil Pan Baffle-to-Engine Bolts	3.3-4 ft. lbs.	
Oil Pan Drain Plug	33-36 ft. lbs.	
Oil Pump Mounting Bolts	5 ft. lbs.	
Oil Pump Cover-to-Oil Pump Bolts	2.9-5.1 ft. lbs.	
Oil Pump Relief Valve Spring Plug	30-35 ft. lbs.	
Oil Strainer-to-Engine Bolts	3.3-4 ft. lbs.	
Oil Strainer Tube-to-Engine Bolts	6.5-8 ft. lbs.	
Piston Pin Access Plugs	46-56 ft. lbs.	
Rod Bearing Bolts	32-34 ft. lbs.	
Spark Plugs	13-17 ft. lbs.	
Starter Mounting Bolts	37 ft. lbs.	
Thermostat Housing-to-Engine Bolts	60 inch lbs.	
Timing Belt Cover	48 inch lbs.	
Timing Belt Idler Mounting Bolt	29 ft. lbs.	

Timing Belt Tensioner Bolts	18 ft. lbs.
Valve Cover Bolts	3-4 ft. lbs.
Water Pump Mounting Bolts	7-10 ft. lbs.

- NOTE Step 1 Tighten all bolt in sequence to 22 ft. lbs.
Step 2 Tighten all bolts in sequence to 51 ft. lbs.
Step 3 Loosen all bolts in reverse sequence by 180°
Step 4 Loosen all bolts in reverse sequence by an additional 180°
Step 5 Tighten all bolts in sequence to 20 ft. lbs.
Step 6 Tighten bolts # 1, 2, 3 and 4 in the torque sequence by 80-90°
Step 7 Tighten bolts # 5, 6, 7 and 8 to 33 ft. lbs.
Step 8 Tighten all bolts in sequence by 80-90°

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

