

Automotive Torque Specifications

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Subaru Coupes, Sedans and Wagons 1985-96

Engines

1.8L (1820cc) SOHC 4Cyl			
Component		Torque	
Camshaft Case Bolts		13-14 ft. lbs.	
Camshaft Sprocket Bolts		7 ft. lbs.	
Camshaft Support Bolts		4.3-5.1 ft. lbs.	
Crankshaft Damper Bolt		69-76 ft. lbs.	
Cylinder Head Bolts		NOTE	
Engine Mount-to-Crossmember Bolts		14-24 ft. lbs.	
Exhaust Pipe-to-Engine Nuts		18-26 ft. lbs.	
Flywheel-to-Crankshaft Bolts		51-55 ft. lbs.	
Intake Manifold Bolts		15-25 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 Bolts		4 ft. lbs.	
Oil Pan Drain Plug		18 ft. lbs.	
Oil Pressure Switch, Sending Unit or Plug		16-20 ft. lbs.	
Oil Pump Mounting Bolts		5 ft. lbs.	
Oil Pump By-pass Spring Plug		23-27 ft. lbs.	
Oil Pump Pulley Nut		13-15 ft. lbs.	
Piston Pin Access Plugs		46-56 ft. lbs.	
Rod Bearing Bolts		32-34 ft. lbs.	
Spark Plugs		14-22 ft. lbs.	
Thermostat Housing-to-Engine Bolts		7 ft. lbs.	
Timing Belt Cover Bolts		48 inch lbs.	
Timing Belt Idler Pulley Mounting Bolt		32 ft. lbs.	
Timing Belt Tensioner Mounting Bolts		14 ft. lbs.	
Valve Cover Bolts		3-4 ft. lbs.	
Water Pump		7-8 ft. lbs.	
Water Pump Pulley Bolts		7-8 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°

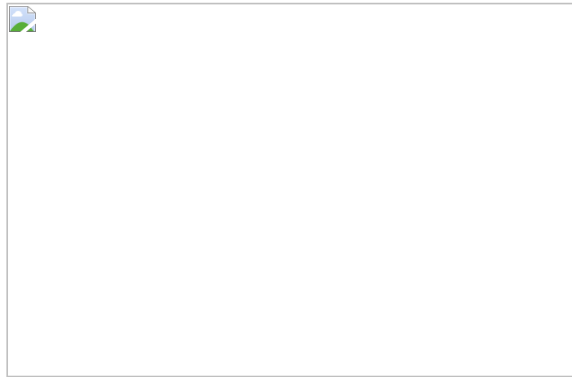
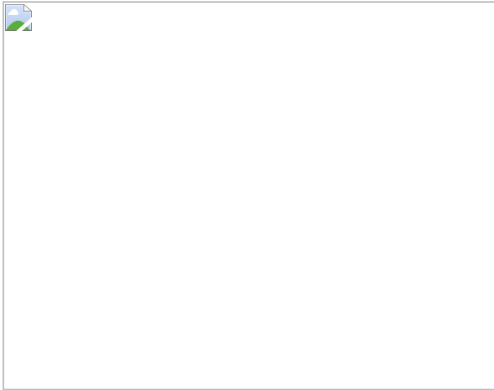


Fig. 1 Cylinder head bolt torque sequence-1.8L engine

Fig. 2 Timing mark alignment-1.8L engine

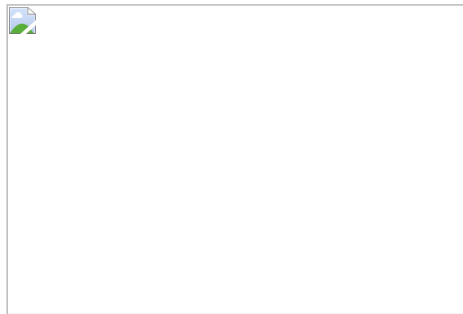
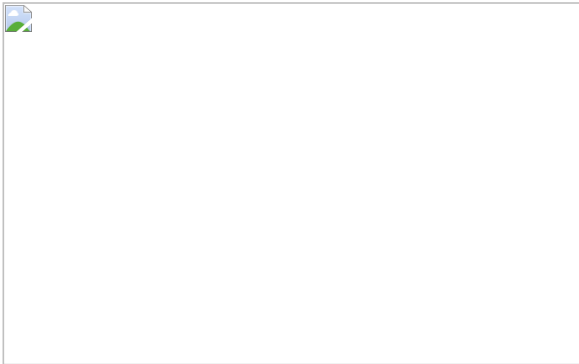


Fig. 3 Oil relief pipe and plug-1.8L engine

Fig. 4 Firing order and cylinder location-1.8L engine

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