

Automotive Torque Specifications

[Home](#)[Subaru](#)[Subaru Coupes Sedans and Wagons 1985-96](#)

Subaru Coupes, Sedans and Wagons 1985-96

Engines

2.2L (2212cc) SOHC 4Cyl.				
Component			Torque	
Camshaft Sprocket Bolts			47-54 ft. lbs.	
Camshaft Support Bolts	Front Retainer		7 ft. lbs.	
	Rear Retainer		12 ft. lbs.	
Crankshaft Damper Bolt	1990-94		69-76 ft. lbs.	
	1995-96		76-86 ft. lbs.	
Cylinder Head Bolts			NOTE	
Exhaust Pipe-to-Engine Nuts			19-26 ft. lbs.	
Flywheel-to-Crankshaft Bolts			51-55 ft. lbs.	
Front Engine Mount Nuts			61 ft. lbs.	
Intake Manifold Bolts	1990-94		21-25 ft. lbs.	
	1995-96		17-20 ft. lbs.	
Main Bearing Bolts	1990-94	6mm Bolts	3-4 ft. lbs.	
		8mm Bolts	17-20 ft. lbs.	
		10mm Bolts	29-35 ft. lbs.	
	1995-96	6-8mm Bolts	Bolts #1-7	14-20 ft. lbs.
			Bolt #8	4.7 ft. lbs.
	10mm Bolts		33-37 ft. lbs.	
Oil Dipstick Tube Bolt			10 ft. lbs.	
Oil Pan Bolts			3-4 ft. lbs.	
Oil Pan Drain Plug			33-36 ft. lbs.	
Oil Pump Mounting Bolts			7-10 ft. lbs.	
Piston Pin Access Plug			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.	
Thermostat Housing-to-Engine Bolts			52-61 ft. lbs.	
Timing Belt Cover Bolts			36-48 inch lbs.	
Timing Belt Idler Mounting Bolt			26-32 ft. lbs.	

Timing Belt Tensioner Bolts	17-20 ft. lbs.	
Valve Cover Bolts	4 ft. lbs.	
Valve Rocker Assembly Bolts	9 ft. lbs.	
Water Pump Mounting Bolts	7-10 ft. lbs.	
Turbocharger Components		
Component		
Oil Return and Feed Hose	Union Bolts	17 ft. lbs.
	Clamp Bolt	48 inch 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°

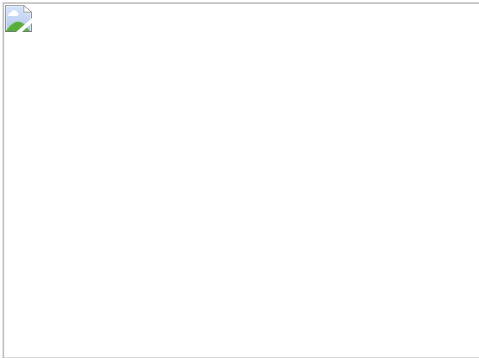


Fig. 1 Cylinder head torque sequence-2.2L Engine

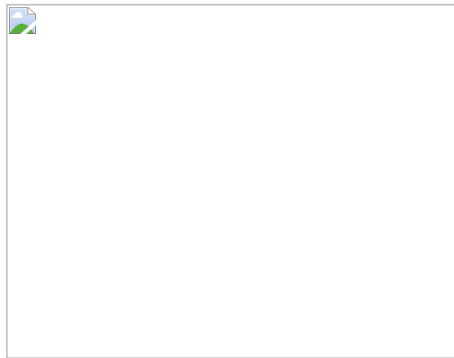


Fig. 2 Cylinder head loosening sequence-2.2L Engine



Fig. 3 Intake manifold assembly-2.2L Engine

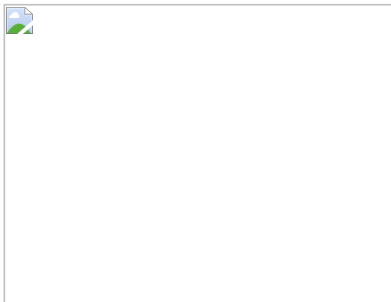


Fig. 4 Valve rocker bolt loosening/tightening sequence-2.2L Engine

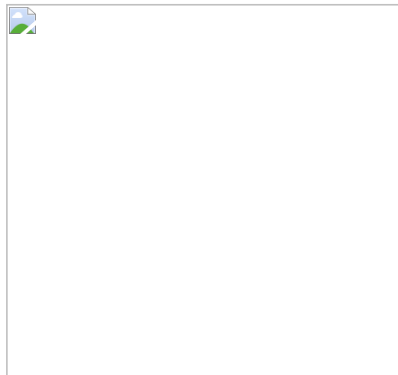


Fig. 5 Firing order and cylinder location-2.2L and 2.5L engines

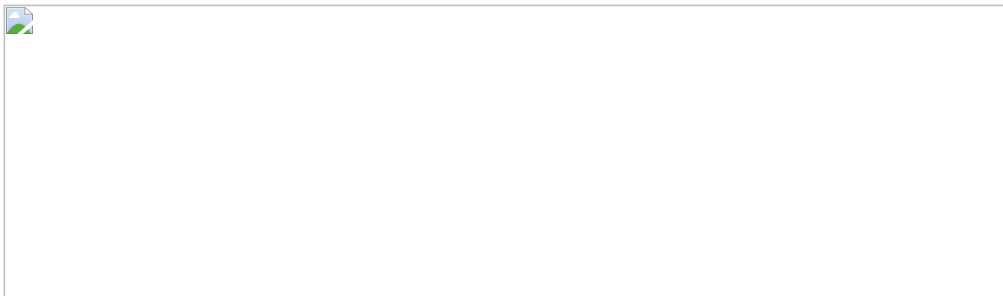


Fig. 6 Timing mark alignment-2.2L Engine

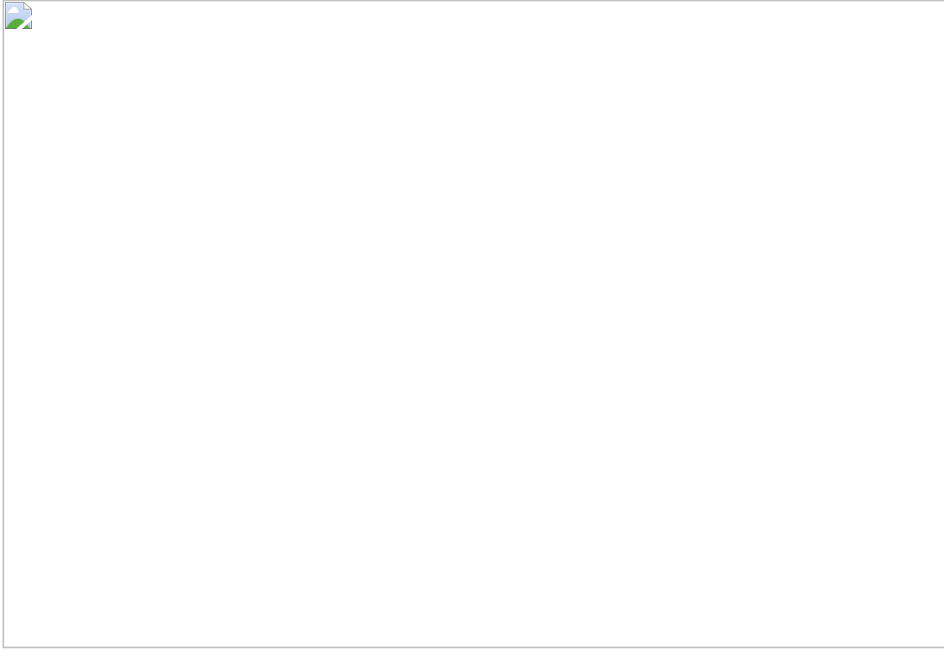


Fig. 7 Water pump assembly-2.2L, 2.5L and 3.3L Engines



Fig. 8 Oil pump assembly-2.2L and 2.5L Engines

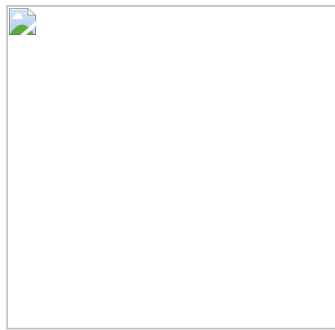


Fig. 9 Water pump bolt tightening sequence-2.2L and 2.5L Engines

[Top of page](#)

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