

CYL-03, Cylinder Head Tightening Sequence and Torque Specifications

Head Stud Torque Specifications

General

When following the torque sequences below, wait approximately 15 minutes between torque steps. This allows time for the studs to stretch and settle completely before the next torque application.

Vehicle	Engine Designator	Torque Specs
944 (83-85.5)	M44 01-04	Step 1: 20 Nm (15 ft-lbs)
		Step 2: 50 Nm (37 ft-lbs)
		Step 3: 90 Nm (66 ft-lbs)
944 (85.5-87) , 924S (86-87)	M44 05-08	Step 1: 20 Nm (15 ft-lbs)
		Step 2: 50 Nm (37 ft-lbs)
		Step 3: 90 Nm (66 ft-lbs)
944 (85.5-88) , 924S (86-88) - with 12 mm high nuts	M44 05-10	Step 1: 20 Nm (15 ft-lbs)
		Step 2: 90° angle
		Step 3: 90° angle
944 (89)	M44 11-12	Step 1: 20 Nm (15 ft-lbs)
		Step 2: 60° angle
		Step 3: 60° angle

Vehicle	Engine Designator	Torque Specs
944 Turbo (86-89)	M44 51-52	Step 1: 20 Nm (15 ft-lbs)
		Step 2: 90° angle
		Step 3: 90° angle
944S (87-88)	M44 40	Step 1: 20 Nm (15 ft-lbs)
		Step 2: 90° angle
		Step 3: 90° angle
944 S2 (89-91), 968 (92-93), 968 CS (93)	M44 41,43,44	Step 1: 20 Nm (15 ft-lbs)
		Step 2: 60° angle
		Step 3: 90° angle

NOTE

The 16V tightening sequence is slightly different than the sequence for the 8V heads. Refer to the 16V Cylinder Head and Head Gasket Removal and Installation procedure for the correct sequence.

