

TORQUE SPECIFICATIONS

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Application	Ft. Lbs. (N.m)
Camshaft Sprocket Bolt	40-45 (55-61)
Connecting Rod Cap Nut	40-45 (55-61)
Crankshaft Damper Bolt	70-90 (95-122)
Cylinder Head Bolt ⁽¹⁾	
Step 1	85 (115)
Step 2	95 (129)
Step 3	105-112 (143-151)
Engine-To-Transmission Bolts	50-65 (68-88)
Exhaust Manifold Bolt	18-24 (24-32)
Flexplate-To-Torque Converter Bolt	20-34 (28-45)
Flywheel-To-Crankshaft Bolt	75-85 (102-115)
Front Engine Mounting Bolts/Nuts	50-70 (68-95)
Intake Manifold Bolts & Stud	
Lower ⁽²⁾	23-25 (32-33)
Upper	12-18 (17-24)
Main Bearing Cap Bolt	95-105 (129-142)
Oil Pan-To-Cylinder Block Bolt	
4 Each, 5/16" x 18	12-18 (16-24)
18 Each, 1/4" x 20	7-10 (9-14)
Oil Pump Inlet Tube	10-15 (14-20)
Oil Pump-To-Cylinder Block Bolt	22-32 (30-43)
Power Steering Pump Bracket Bolts	40-50 (55-68)
Rear Mount-To-Crossmember Nut	60-80 (81-108)
Rocker Arm Fulcrum Bolt	18-25 (24-34)
Starter Bolt	15-20 (20-27)
Timing Chain Cover Bolt	15-21 (20-28)
Valve Cover Bolt	11-14 (16-20)
Water Pump Bolts	15-21 (20-28)
	INCH Lbs. (N.m)
Camshaft Thrust Plate Bolt	108-144 (13-16)
(1) Tighten in sequence. See Fig. 4 .	
(2) Tighten in sequence. See Fig. 3 .	