

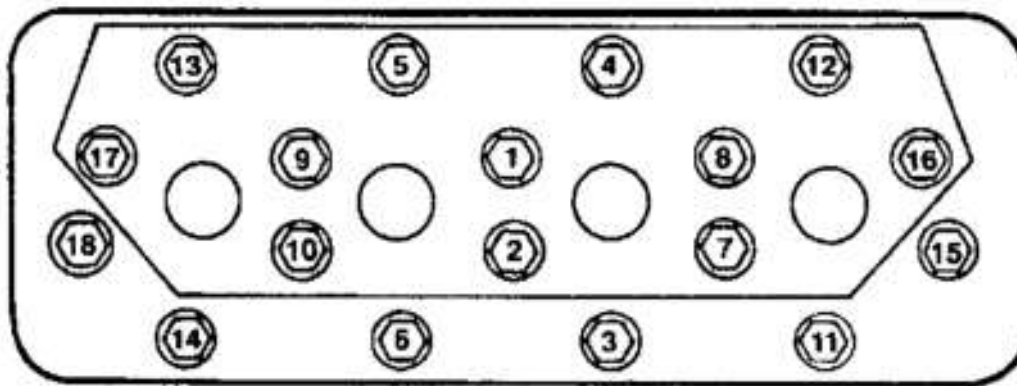
TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS

Application	Ft. Lbs. (N.m)
A/C Manifold & Tube Retaining Bolt	15 (20)
Air Brake ABS Module Bracket Assembly Mounting Nuts	15 (20)
Air Cleaner Housing Mounting Bolts	22 (30)
Air Cleaner Support Bracket Mounting Bolts	21 (28)
Air Compressor Bracket Mounting Bolts	58 (78)
Air Compressor Mounting Bolts	50 (68)
Air Compressor Mounting Nuts	58 (78)
Belt Tensioner Mounting Bolt	32 (43)
Camshaft Position (CMP) Sensor Mounting Bolt	18 (24)
Camshaft Thrust Plate Retaining Bolts	18 (24)
Connecting Rod Cap Nuts	
Stage 1	52 (70)
Stage 2	90 (122)
Cooling Fan	74 (101)
Crankshaft Rear Oil Seal Retaining Bolts	15 (20)
Crankshaft Vibration Dampener Bolt	212 (258)
Cylinder Head Bolts ⁽¹⁾	
Stage 1 Using the First Sequence	65 (88)
Stage 2 Using the First Sequence	85 (115)
Stage 3 Using the Second Sequence	95 (129)
Drive Gear Access Cover Retaining Bolts	20 (27)
Engine Front Cover Bolts	15 (20)
Engine Rear Cover Bolts	15 (20)
Engine Support Bracket Mounting Bolts	76 (103)
Exhaust Bracket to Engine Support Bracket Mounting Bolts	37 (50)
Exhaust Manifold Mounting Pipe Nuts & Bolts	45 (61)
Flexplate Mounting Bolt A/T	89 (121)
Flywheel Housing Mounting Bolts	15 (20)
Flywheel Mounting Bolt M/T	89 (121)
Front Stabilizer Bar Mounting Nuts	98 (133)
Front Support Bracket to Engine Mounting Bolts	76 (103)
Front Support Bracket to Number Two Crossmember Mounting Nuts	166 (225)
Fuel Injector Outboard Retaining Bolts	10 (14)
Fuel Return Hose	19 (26)
Fuel Supply Hose	37 (50)
Generator & A/C Compressor Mounting Bracket Bolts	36 (49)
Glow Plug	15 (20)
High-Pressure Oil Line Connector (Cylinder Head)	19 (26)
High-Pressure Oil Pump Drive Gear Mounting Bolt	95 (129)

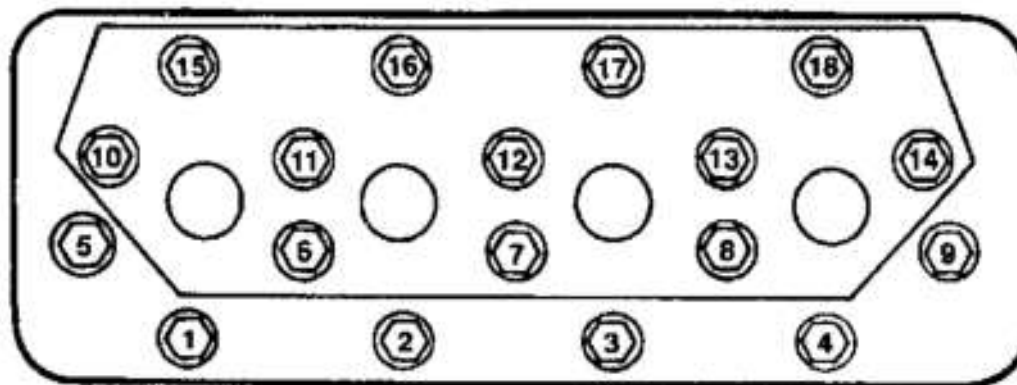
High-Pressure Oil Pump Mounting Bolts	18 (24)
High-Pressure Oil Pump Reservoir Mounting Bolts	18 (24)
Idler Pulley Mounting Bolt	41 (55)
Intake Manifold Cover Mounting Bolts	18 (24)
Main Bearing Cap Bolts	
Stage 1	76 (102)
Stage 2	96 (129)
Muffler Assembly Mounting Nuts	37 (50)
Number Two Crossmember Mounting Bolts	66 (90)
Oil Cooler Retaining Bolts	18 (24)
Oil Level Indicator Tube Adapter Nut	24 (33)
Oil Pan Mounting Bolts	18 (24)
Oil Pump Body Plate Bolts	15 (20)
Oil Pump Screen Cover and Tube Flange Bolts	18 (24)
Oil Pump Screen Cover and Tube Retaining Nut	38 (52)
Parking Brake Cable Bracket Mounting Bolt A/T	21 (28)
Parking Brake Cable Clamp Mounting Bolts M/T	21 (28)
Power Steering Pressure Hose	24 (33)
Power Steering Pump Mounting Nuts	41 (55)
Rear Bracket to Frame Mounting Nuts	184 (250)
Rear Support Cap Mounting Nuts	106 (144)
Rocker Arm Pedestal Attaching Bolts	20 (27)
Slave Cylinder Lock Nut	24 (33)
Slave Cylinder Interlock Bracket Mounting Bolts	44 (59)
Starter Motor Mounting Bolts	38 (52)
Transmission Oil Cooler Hoses	21 (28)
Transmission Shift Lever Housing Mounting Bolts	40 (54)
Turbocharger Exhaust Inlet Pipe-to-Exhaust Manifold Bolts	21 (28)
Turbocharger Mounting Bolts	18 (24)
Turbocharger Pedestal Assembly Mounting Bolts	18 (24)
Valve Cover Retaining Bolts & Nuts	8 (11)
INCH Lbs. (N.m)	
Cylinder Head Oil Drain Plugs	53 (6)
Fuel Injector Oil Deflector Bolts	108 (9)
(1) Tighten according to specifications. See Fig. 144	

TOP



STEPS 1 & 2

TOP



STEP 3

G95I27878

Fig. 144: Cylinder Head Bolt Tightening Sequence
Courtesy of FORD MOTOR CO.