

# ENGINE REMOVAL - 4-CYL

## 1988 Jeep Cherokee

1988 ENGINES  
Jeep - Engine Removal - 4-Cylinder

Cherokee, Comanche, Wrangler

### 4-CYLINDER ENGINES

#### 2.5L

1) Disconnect negative battery cable. Drain cooling system. Remove air cleaner, lower radiator hose, fan shroud, and engine compartment light from hood. Scribe hinge locations and remove hood. Disconnect automatic transmission cooler lines at radiator (if equipped).

2) Remove upper radiator hose, fan assembly and coolant recovery hose. Remove radiator and A/C condenser (if equipped). Hold fan pulley to water pump flange using 5/16" x 1/2" SAE capscrew. Disconnect heater hoses, throttle linkages, cruise control cable (if equipped) and Throttle valve rod.

3) Disconnect wires from starter and separate CEC system wiring harness connector. Disconnect fuel pipe from fuel pump and fuel return hose from fuel filter. Disconnect hoses from A/C compressor and power steering pump (if equipped). Drain power steering pump reservoir. Cap all fittings and hose ends.

4) Remove vacuum check valve from brake booster (if equipped). Tag and remove all wiring and vacuum lines connected to engine or accessories. Raise vehicle and remove starter. Disconnect exhaust pipe from manifold.

5) Remove converter/flywheel housing cover. Remove engine mount nuts at bracket side. On automatic transmission models, index mark drive plate and torque converter. Remove drive plate-to-converter bolts.

6) Remove upper and loosen lower bellhousing-to-engine bolts. Attach lifting equipment to engine. Raise engine off front mounts, Place support under bellhousing. Remove remaining bellhousing-to-engine bolts. Lift engine out of engine compartment.

NOTE: Engine mount pads may be removed from engine brackets to align engine and transmission during installation.

### TORQUE SPECIFICATIONS

#### TORQUE SPECIFICATIONS TABLE

Application	Ft. Lbs. (N.m)
Clutch Housing-to-Block Bolts .....	55 (75)
Drive Plate-to-Converter .....	26 (35)
Flywheel Bolts .....	(1) 50 (68)
Front Support Bracket-to-Block .....	45 (61)
Front Support Cushion-to-Crossmember .....	33 (45)
Rear Support Bracket-to-Transmission .....	33 (45)
Rear Support Cushion-to-Bracket .....	30 (41)
Starter Motor-to-Block .....	33 (45)

(1) - Tighten an additional 60 degrees.

