

## AMERICAN MOTORS

### 4-CYLINDER MODELS

**NOTE** — On Concord and Spirit models, engine and transmission are removed as an assembly. On Eagle models, engine is removed separately.

**2.5L (151") - 1)** On all models, mark hinges for reinstallation and remove hood. Disconnect negative battery cable. Drain cooling system, disconnect upper and lower radiator hoses at radiator. Remove fan shroud and fan. Disconnect transmission oil cooler lines and remove radiator.

**2)** Remove air cleaner. Remove power steering belt. If not equipped with A/C, disconnect alternator wiring harness. If equipped with A/C, remove compressor and condenser core bolts. Position compressor and condenser core aside, leaving refrigerant lines connected.

**3)** Remove evaporator-to-dryer line from sill clips. Disconnect all electrical wiring, vacuum lines, water hoses, cables and linkage from engine. Remove power steering hoses from gear. Remove engine oil dipstick tube assembly from block.

**4)** On Eagle models, remove left front axle-to-engine mount bracket attaching bolts. Raise vehicle and support with safety stands. Remove splash shield. Disconnect both half-shafts from front axle. Press half-shafts inward (toward wheels) and secure to frame with wire.

**5)** Mark and disconnect front drive shaft. Support front axle with suitable jack. Disconnect axle at right tube support and at pinion end of axle. Disconnect vent hose and remove axle. Remove axle support bracket from block. Remove starter.

**6)** On manual transmission, remove slave cylinder from clutch housing. Position block of wood between transfer case and skid plate. Remove transmission-to-clutch housing bolts.

**7)** On automatic transmission, disconnect transmission linkage pivot at converter housing. Remove inspection cover. Remove converter drive plate screws. Remove converter housing-to-engine bolts. Disconnect exhaust pipe at manifold. Lower vehicle. Remove engine mount bolts.

**8)** Install lifting device to engine, raise engine slightly and remove left engine mount bracket. Remove engine from vehicle. On Concord and Spirit models, raise vehicle and support with safety stands.

**9)** Remove engine mount cushion nuts at crossmember and ground cable from left engine cushion bracket at block. Loosen crossmember, lowering slightly, and remove transmission oil cooler lines, speedometer cable, linkage, back-up light switch and (if equipped) neutral safety switch.

**10)** Remove transmission rear mount. Remove crossmember, exhaust pipe-to-manifold nuts and tie exhaust pipe to strut rod bushing with wire. Mark drive shaft and remove. Lower vehicle.

**11)** Using engine sling connected to rear bracket (attached to cylinder head) and A/C compressor or alternator mounting bracket, raise and remove engine and transmission as an assembly.

### 6-CYLINDER MODELS

**4.2L (258") - 1)** On all models, mark hinges for reinstallation and remove hood. Disconnect battery cables and remove

battery. Drain cooling system. Disconnect coil, distributor and alternator wiring. If equipped, remove vacuum switch assembly. Disconnect fuel line at pump and plug.

**2)** Disconnect engine ground strap. Remove right front engine support cushion-to-bracket screw. If equipped with A/C, discharge refrigerant from compressor. Remove air cleaner. Disconnect all electrical wiring, vacuum lines, cables and linkage from engine.

**3)** Disconnect upper and lower radiator hoses at radiator. Disconnect heater hoses from engine. Remove fan shroud screws. Disconnect transmission oil cooler lines and remove radiator and fan shroud. Remove fan and spacer. Install a 5/16 x 1/2" SAE capscrew into fan pulley and water pump flange to keep pulley aligned for reassembly.

**4)** Remove power steering hoses from gear. Cap fittings on hoses to prevent fluid loss. Raise vehicle and support with safety stands. Remove starter motor. On automatic transmission, remove filler tube bracket screw. Remove inspection cover. Remove converter drive plate screws.

**5)** Remove exhaust pipe support from converter housing. On manual transmission, remove clutch housing cover and clutch release bellcrank inner support screws. Disconnect springs and remove clutch release bellcrank. Remove outer bellcrank-to-throw-out lever rod bracket retainer.

**6)** Disconnect back-up light switch wiring connector under hood. Remove engine mount cushion-to-bracket screws. On Eagle models, support front axle with suitable jack. Remove half-shaft-to-axle flange bolts. Press half-shafts inward (toward wheels) and secure to frame with wire.

**7)** Remove bolts from axle bracket at axle tube and right engine support cushion. Remove axle bracket. Remove bolts from axle bracket at pinion end of axle. Remove left engine support cushion-to-front axle bracket bolts. Disconnect vent hose and remove axle.

**8)** On all models, disconnect exhaust pipe from manifold. Remove upper converter or clutch housing screws and loosen bottom screws. Lower vehicle. Remove A/C idler pulley and mounting bracket (if equipped).

**9)** Install lifting device to engine, raise engine off front supports. Position support stand under converter or clutch housing. Remove remaining housing screws, lift engine out of vehicle.

AMERICAN MOTORS	
TIGHTENING SPECIFICATIONS	
Application	Ft. Lbs.
Motor Mount Bracket-to-Engine	
Eagle .....	45
All Others .....	35
Motor Mount-to-Crossmember .....	37
Motor Mount-to-Bracket .....	33
Front Crossmember-to-Frame .....	65
Rear Mount Bracket-to-Transmission .....	33
Rear Mount-to-Crossmember .....	18
Rear Crossmember-to-Frame .....	30