

Engine Removal

AMERICAN MOTORS

4 CYLINDER MODELS

- 1) Remove hood and mark hinges for installation. Drain cooling system and remove air cleaner. Remove battery negative cable and TAC flexible hose.
- 2) Disconnect all lines, wires, hoses and linkage from engine.
- 3) Raise car and support with safety stands. Remove starter motor. Remove exhaust pipe supporting bracket and disconnect exhaust pipe at manifold.
- 4) Remove bellhousing shield. Remove torque converter screws, if equipped with automatic transmission. Remove all bellhousing screws except top center.
- 5) Lower car. Remove radiator and shroud assembly. Disconnect power steering hoses, if equipped. Remove transmission filler tube support screws, if equipped with automatic transmission.
- 6) Attach suitable lifting device to engine and remove engine support cushion nuts on both sides. Support transmission and remove center screw from bellhousing. Remove engine.

6 CYLINDER MODELS (EXC. PACER)

- 1) Remove hood and mark hinges for installation. Remove air cleaner and battery. Drain cooling system and crankcase.
- 2) Remove radiator assembly and engine fan. Disconnect and remove power steering pump hoses, bracket and pump.
- 3) Disconnect all wires, linkage and hoses from engine and transmission.
- 4) Discharge refrigerant from A/C compressor and remove condenser and receiver assembly.
- 5) Disconnect exhaust pipe at manifold. Then lift car and support with stands. Remove starter motor.
- 6) If equipped with automatic transmission, remove converter housing spacer cover. Remove converter drive screws.
- 7) If equipped with manual transmission, remove clutch housing cover, springs and bellcrank.
- 8) Place support stands under transmission. Remove screws from converter or clutch housing to engine block. Remove engine.

6 CYLINDER MODELS (PACER)

- 1) Remove hood and mark hinges for installation. Drain cooling system and crankcase and disconnect all water hoses at engine.
- 2) Remove battery and disconnect automatic transmission cooling lines (if equipped). Remove radiator and engine fan assemblies.
- 3) Discharge refrigerant from A/C compressor and remove condenser and receiver assembly. Remove air cleaner.

- 4) Disconnect all wires, linkage and hoses from engine and transmission. Remove carburetor, valve cover and vibration damper.
- 5) Raise and support vehicle and disconnect exhaust pipe at manifold. Remove starter motor and oil filter.
- 6) Support transmission and remove rear crossmember. Disconnect propeller shaft. Attach lifting device to engine and support engine. Remove motor mounts.
- 7) Lower jack supporting transmission and raise vehicle with jack under front crossmember until front bumper is 3 feet from floor.
- 8) Partially remove engine by pulling upward until rear of cylinder head clears cowl. Remove stands and lower vehicle. Remove engine.

V8 MODELS

- 1) Remove hood and mark hinges for installation. Remove fender struts, air cleaner and battery. Drain cooling system and crankcase.
- 2) Remove radiator upper air baffle, radiator assembly and engine fan. Disconnect power steering bracket and position pump to one side without disconnecting hoses.
- 3) Discharge refrigerant from A/C compressor. Remove condenser and receiver assembly. Disconnect all wires, linkage and hoses from engine.
- 4) Disconnect exhaust pipes at manifold flanges.
- 5) Raise car and support with safety stands. Remove starter motor. Remove converter housing spacer cover and converter drive screws.
- 6) Support engine using suitable lifting device. Disconnect front motor mounts. Support transmission with jack and remove converter housing screws. Remove engine.

AMERICAN MOTORS	
TIGHTENING SPECIFICATIONS	
Application	Ft. Lbs.
Motor Mount Bracket-to-Engine	35
Motor Mount-to-Crossmember	37
Motor Mount-to-Bracket	33
Crossmember-to-Frame	65
Rear Mount Bracket-to-Transmission	33
Rear Support Bracket-to-Transmission(4 Cyl.)	48
Rear Support Bracket-to-Cushion(4 Cyl.)	48
Rear Cushion-to-Crossmember(4 Cyl.)	25
Rear Mount-to-Crossmember	18
Rear Mount-to-Bracket	48
Rear Crossmember-to-Frame	30