

Engine Removal

AMERICAN MOTORS

6 CYLINDER MODELS (EXC. PACER)

1) Remove hood and mark hinges for installation. Remove fender struts, air cleaner and battery. Drain cooling system, crankcase and transmission. Remove radiator upper air baffle, radiator assembly and engine fan. Disconnect power steering pump bracket and position pump to one side without disconnecting hoses. Remove air injection pump if equipped with air injection and power steering.

2) Discharge refrigerant from A/C compressor and remove condenser and receiver assembly. Disconnect all wires, linkage and hoses from engine and transmission. Disconnect exhaust pipe at manifold flange.

3) Support engine and transmission assembly and disconnect front support cushions from engine brackets and rear crossmember at rear support cushion and frame. Remove crossmember. Remove engine and transmission assembly by pulling forward and up. Support propeller shaft when disengaging transmission output shaft from slip joint.

6 CYLINDER MODELS (PACER)

1) Remove hood and mark hinges for installation. Drain cooling system and crankcase and disconnect all water hoses at engine. Remove battery and disconnect automatic transmission oil cooler lines (if equipped). Remove radiator, fan shroud, fan, spacer and pulley.

2) Discharge refrigerant from A/C compressor and remove condenser and receiver assembly. Remove air cleaner. Disconnect all wires, linkage and hoses from engine and transmission. Remove carburetor, valve cover and vibration damper. Raise and support vehicle and disconnect exhaust pipe at manifold.

3) Support transmission with jack and remove rear crossmember. Disconnect propeller shaft and plug transmission end. Attach suitable lifting device to engine and support engine. Remove motor mount-to-bracket bolts, lift engine slightly and remove motor mounts. Lower jack supporting transmission and raise vehicle with jack positioned under front crossmember until bottom of front bumper is about 3 feet from floor. Support vehicle with safety stands.

4) Remove oil filter and starter. Lifting at point near front of cylinder head, partially remove engine by pulling upward until rear of cylinder head clears cowl. Remove safety 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, crankcase and transmission. Remove radiator upper air baffle, radiator assembly and engine fan. Disconnect power steering pump bracket and position pump to one side without disconnecting hoses.

2) Discharge refrigerant from A/C compressor and remove condenser and receiver assembly. Disconnect all wires, linkage and hoses from engine and transmission. Disconnect exhaust pipes at manifold flanges. Disconnect speedometer cable at transmission.

3) Support engine and transmission assembly and disconnect front support cushions from engine brackets and rear crossmember at rear support cushion and frame. Remove crossmember. Remove engine and transmission assembly by pulling forward and up. Support propeller shaft when disengaging transmission output shaft from slip joint.

AMERICAN MOTORS	
TIGHTENING SPECIFICATIONS	
Application	Ft. Lbs.
Motor Mount Bracket-to-Engine	
Pacer	35
All Others	28
Motor Mount-to-Crossmember	
Pacer	30
All Others	37
Motor Mount-to-Bracket	
Pacer	55
All Others	33
Crossmember-to-Frame	
Pacer	50
All Others	65
Rear Mount Bracket-to-Trans	33
Rear Mount-to-Crossmember	18
Rear Mount-to-Bracket	48
Rear Crossmember-to-Frame	30