

Engine Removal

AMERICAN MOTORS ENGINE REMOVAL

AMERICAN MOTORS TIGHTENING SPECIFICATIONS

6 CYL. ENGINES

Application	Ft. Lbs.
Clutch Housing to Block (Top) 1965-69	28-33
(Bottom) 1965-69	40-45
(Top) 1970-73	25-28
(Bottom) 1970-73	40-45
Engine Rear Support to Trans. Case (1965-67)	35-45
(1968)	30-35
(1969)	35-45
(1970-71)	30-35
Extension Housing to Rear Support (1972-73)	45-50

V8 ENGINES

Engine Front Mount to Block (1965-67)	30-35
Engine Rear Mount to Case (1965-67)	25-30
Engine Front Support to Block (1968-73)	25-30
Engine Rear Support to Case (1968-72)	30-35

1965-67 V8

1) Remove hood and battery; drain cooling system, crankcase, and transmission. Remove air cleaner, radiator, power steering pump, air conditioning compressor, bracket, and condenser.

2) Disconnect all wiring, tubing, hoses, and linkage. Disconnect exhaust pipes from manifolds. **CAUTION - At this point, support engine at all times.** Remove engine rear crossmember.

3) Disconnect brake tube bracket from under body, shock absorbers from lower bracket, and torque tube from transmission extension housing. Disconnect parking brake cable at equalizer, and brake cable housing from torque tube bracket.

4) Move rear axle to rear and remove front universal joint from transmission main shaft. Disconnect speedometer cable and gear shift rods from shift levers. Disconnect front motor support cushions, and remove engine.

1965-67 6 CYLINDER

1) Remove hood and battery; drain cooling system, crankcase, and transmission. Remove air cleaner, radiator, power steering pump, air conditioning compressor, bracket, and condenser.

2) Disconnect all wiring, tubing, hoses and linkage. Disconnect exhaust pipe from manifold. **CAUTION - At this point, support engine at all times.** Disconnect torque tube and propeller shaft from transmission.

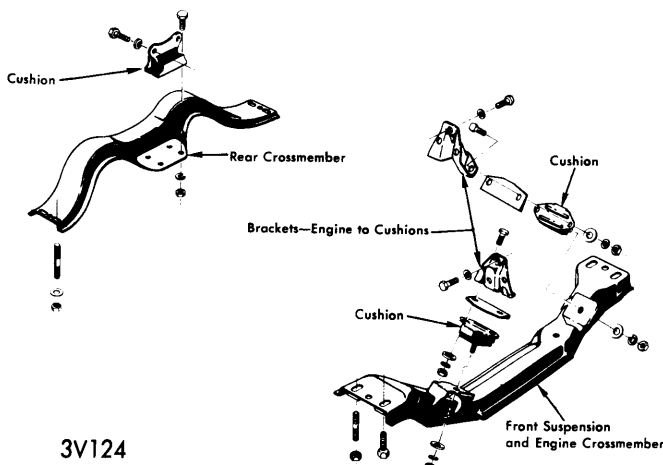
3) Remove rear crossmember, disconnect front motor support cushions, and remove engine.

1968-73 6 CYLINDER

Remove hood assembly (mark hinge location on hood panel for assembly), and remove battery. Drain cooling system, engine and transmission. Remove radiator core, air cleaner, and if so equipped, remove power steering pump. If equipped with air conditioning, turn both service valves clockwise to the front seated position. Bleed the compressor refrigerant charge by slowly loosening the service valve fitting. Disconnect the condenser and evaporator lines from the compressor. Disconnect the receiver outlet at the disconnect coupling. Remove the condenser and receiver assembly. Disconnect all wiring, tubing, hoses and linkage. Disconnect exhaust pipe at manifold. Support engine with lifting fixture. Remove rear crossmember at rear insulator and side sill mountings. Disconnect front support cushions from engine. Move engine forward and upward while supporting propeller shaft as slip joint is removed from transmission output shaft.

1968-73 V8

Remove hood assembly (mark hinge location on hood panel for reassembly), and remove battery. Drain cooling system, engine and transmission. Remove air cleaner, radiator core, and if equipped, remove power steering pump, "Air Guard" pump, air conditioning compressor (with bracket assembly), and condenser. Disconnect all wiring, tubing, hoses, linkage and exhaust pipes from manifold. Support engine with lifting fixture. Remove engine rear crossmember and disconnect speedometer cable. Disconnect gear selector linkage on auto. trans. equipped cars. Remove gear selector lever on 4-Speed transmissions, by removing boot from floor pan and two bolts attaching gear selector lever to shifting mechanism (shift mechanism may remain attached to transmission). Disconnect front support cushions from engine. Move engine forward and upward while supporting propeller shaft; remove engine.



1969-73 TYPICAL ENGINE MOUNTING