

GENERAL MOTORS (Cont.)

CADILLAC

ALL MODELS (Exc. Eldorado & Seville)

Disconnect negative battery cable. Remove radiator cover support rods and shroud. Loosen fan belts and remove pulleys. Raise vehicle and drain crankcase. Remove exhaust pipe (at manifold) and catalytic converter as an assembly. Remove motor mount through bolts. Remove starter and lower transmission cover. Raise engine slowly and remove oil pan bolts and pan.

ELDORADO

Engine must be removed before oil pan can be removed. See appropriate article in ENGINE REMOVAL Section.

SEVILLE

Remove wheelhouse struts from both fenders. Remove radiator cover and raise vehicle, support on safety stands. Remove

through bolts from front motor mounts and exhaust crossover pipe. Remove starter motor and flywheel housing lower cover. Remove oil pan bolts and raise engine as far as necessary to remove oil pan by placing jack under crankshaft pulley.

CADILLAC TIGHTENING SPECIFICATIONS	
Application	Ft. Lbs.
Oil Pan Bolts	10

CHEVROLET

4 CYLINDER MODELS (EXC. CHEVETTE)

1) Raise vehicle, position on safety stands and drain crankcase. Support front of engine so that weight is off front mounts. Remove front crossmember and both front crossmember braces. Disconnect steering idler arm at frame side rails. **NOTE** — If equipped with air conditioning, disconnect idler arm at relay rod. Mark position of pitman arm on steering gear shaft, and remove pitman arm. **CAUTION** — Do not turn steering gear shaft with pitman arm removed, as wheel alignment will change.

2) Remove flywheel cover or converter underpan. Remove oil pan screws and remove oil pan. Remove pickup screen bolt. Remove pickup screen to baffle support bolts and remove baffle support. Remove bolt securing oil drainback to baffle and remove baffle.

4 CYLINDER MODELS (CHEVETTE)

1) Remove heater housing assembly from front of dash and rest housing on top of engine. Remove motor mount nuts. Pull back motor mount wire restraints. Remove radiator upper support. On vehicles with air conditioning, remove upper fan shroud. Disconnect fuel line from charcoal canister. Raise vehicle and drain crankcase oil. Remove flywheel splash shield.

2) On vehicles with manual transmission, remove rack and pinion mounting bolts and move rack and pinion aside. Loosen rear catalytic converter-to-exhaust pipe clamp bolts. Using suitable adapter (J-26436), raise engine. Remove oil pan bolts and lower pan about 1". Rotate front of pan to right and rear to left. Tilt front of pan down 45° and remove pan from vehicle.

6 CYLINDER MODELS

1) Disconnect battery and remove radiator upper mounting panel. Place a piece of heavy cardboard between fan and radiator and raise vehicle. Drain engine oil. On vehicles with manual transmission, remove starter. Remove either flywheel underpan or converter housing underpan and splash shield.

2) Remove through bolts from engine front mounts and, using a jacking device, raise engine about 3". Install through bolts in engine mount and tighten nuts just enough to prevent bolts from slipping out. Lower engine until through bolts rest on frame mounted portion of engine mounts. Remove jack, then remove oil pan.

ALL V8 MODELS

Raise vehicle and drain crankcase. Remove dipstick and tube. Remove exhaust crossover pipe. On vehicles equipped with automatic transmission, remove converter housing under pan. Remove starter brace, inboard bolt, and swing starter aside. Remove oil pan bolts and pan.

CHEVROLET TIGHTENING SPECIFICATIONS	
Application	Ft. Lbs.
Oil Pan Bolts	
4 Cyl. (Exc. Chevette)	15
4 Cyl. (Chevette)	5
6 Cyl. & V8	①
① — Specification was not available at time of printing.	