

Oil Pan Removal

GENERAL MOTORS

BUICK

V6 MODELS

Raise vehicle and drain crankcase. Remove flywheel inspection cover and exhaust crossover pipe. Remove oil pan retaining screws and remove oil pan.

V8 MODELS

301" (VIN Y)

NOTE — The 301" has no inner baffle in the oil pan.

1) Disconnect battery and remove fan and distributor cap. If necessary, remove A/C compressor for clearance. Raise vehicle, drain crankcase, and disconnect exhaust pipes from manifolds. Remove starter and flywheel inspection cover. Position number one cylinder at bottom dead center.

NOTE — Loosen fuel pump to timing cover bolts to permit clearance for lifting tool (J-23515-2).

2) Attach a suitable lifting tool (J-23515) and adapters to engine and crossmember. Raise engine and remove both motor mount through bolts. Remove oil pan bolts, allowing tool to swing freely. Raise engine until oil pan can be removed.

305" & 350" (VIN U, H, L)

Raise vehicle and drain crankcase. Remove dipstick and tube. Remove exhaust crossover pipe. Remove converter housing under pan (if equipped). Remove starter brace and inboard bolt. Position starter aside. Remove oil pan bolts and pan.

350" (VIN X except Skylark)

1) Disconnect battery. Remove radiator tie bar screws. Remove air cleaner and disconnect accelerator linkage. Raise vehicle and drain crankcase. Disconnect exhaust crossover pipe. Remove lower flywheel housing cover.

2) Remove shift linkage attaching bolt and swing out of way. Remove front engine mounting bolts. Raise engine slowly and remove oil pan bolts and pan.

NOTE — On A/C equipped vehicles, place a support under right side of transmission prior to raising engine. This prevents engine/transmission assembly from cocking to the right.

350" (VIN X Skylark)

1) Disconnect battery. Remove radiator tie bar screws. Remove air cleaner and disconnect accelerator linkage at intake manifold. Raise vehicle and drain crankcase. Remove lower flywheel housing cover and shift linkage bolt.

2) Disconnect exhaust crossover pipe. Remove motor mount through bolts. Disconnect idler arm at frame and swing assembly downward. Raise engine and remove oil pan bolts and pan.

350" & 403" (VIN R & K)

1) Align rotor to number one firing position. Disconnect battery cable and remove dipstick. Remove upper radiator support and fan shroud screws. Raise vehicle and drain crankcase. Remove flywheel cover.

2) Disconnect exhaust and crossover pipes. Remove starter and engine mounts from block. Raise engine as far up as possible using a suitable support tool (J-23515) and adapter (J-23515-20). Remove oil pan bolts and pan.

BUICK TIGHTENING SPECIFICATIONS	
Application	Ft. Lbs.
Oil Pan Bolts	
301"	12
305" & 350" (VIN L)	6
350" (VIN R) & 403"	10
350" (VIN H & J)	14

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.

MODELS W/350" Diesel

Remove drive and vacuum pump (with A/C) or oil pump drive (non — A/C). Disconnect battery and remove dipstick. Remove upper fan shroud. Raise vehicle and drain crankcase. Remove flywheel cover and exhaust crossover pipes. Remove starter and oil cooler lines. Remove mounts from block and jack up front of engine. Remove oil pan bolts and remove pan.

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