

# Oil Pan Removal

## FORD MOTOR CO. (Cont.)

**All Remaining Models W/460" - 1)** Drain crankcase and disconnect battery cable. Remove radiator shroud bolts and slide shroud back over fan. Raise vehicle and position on safety stands. Remove stabilizer bar connecting bolts. Remove two bolts and bushings connecting stabilizer to lower arms and push stabilizer bar forward on struts. Remove both motor mount through bolts. Position a jack and wood block under front edge of oil pan. Raise engine and position 1 1/4" thick wood blocks between motor mounts and brackets. Lower and remove jack.

**2)** Remove oil filter. Remove oil pan retaining bolts and remove oil pan. It may be necessary to rotate crankshaft to gain clearance between oil pan and crankshaft counterweights.

FORD MOTOR CO. TIGHTENING SPECIFICATIONS	
Application	Ft. Lbs.
Oil Pan Bolts	
4 Cyl Models	
6 mm Bolts .....	6-8
8 mm Bolts .....	8-10
6 Cyl. Models .....	7-9
V6 Models .....	5-7
V8 Models	
1/4" Bolts .....	7-9
5/16" Bolts .....	9-11

## 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"

**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 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 H & J Exc. 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 H & J Skylark Only)

**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" (VIN R) & 403"

**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