

Oil Pan Removal

FORD MOTOR CO.

4 CYLINDER MODELS

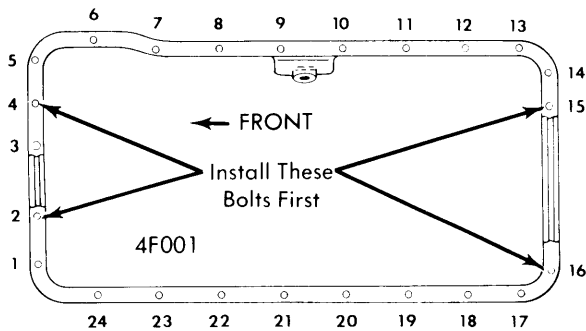
Drain crankcase, remove dipstick and flywheel inspection cover. Disconnect steering shaft flex coupling from rack and pinion, then disconnect rack and pinion from crossmember and move it forward. Remove oil pan bolts and remove oil pan.

6 CYLINDER MODELS

Drain crankcase and remove dipstick. Remove flywheel inspection cover. Remove oil pan bolts, oil pan and gasket.

V6 MODELS

Drain crankcase and remove dipstick. Remove fan shroud bolts and slide shroud back over fan. Disconnect battery cable and loosen alternator adjusting bolt. Raise vehicle and position on safety stands. Remove splash shield and starter. Remove front engine support nuts. Raise engine and position wood blocks between engine support and brackets on frame. Remove oil pan retaining bolts and remove oil pan. When installing oil pan, tighten oil pan screws in sequence shown in illustration.



V6 OIL PAN TIGHTENING SEQUENCE

V8 MODELS

Comet, Maverick, Granada & Monarch W/302" & 351" W – Raise vehicle and position on safety stands. Drain crankcase and remove stabilizer bar. Remove front engine support through bolts and remove support. If equipped with power steering, remove bolt and nut attaching power steering lines to rear side of lower arm. Remove idler arm bracket bolts and pull steering linkage down out of way. Remove oil pan retaining bolts and remove oil pan.

All Remaining Models W/302" & 351" W – Drain crankcase and remove dipstick. Remove fan shroud bolts and slide shroud back over fan. Raise vehicle and position on safety stands. Remove stabilizer bar and remove front engine support through bolts. Raise engine and place wood blocks between engine support and brackets on frame. If equipped with automatic transmission, disconnect transmission cooler lines at radiator. Remove oil pan bolts and lower oil pan down to crossmember. Remove oil pump pickup tube. Rotate crankshaft for clearance and remove oil pan.

All Models W/351" M & 400" – Drain crankcase and remove dipstick. Remove fan shroud bolts and slide back over fan. Raise vehicle and position on safety stands. Disconnect starter cable and remove starter. Remove stabilizer bolts and lower stabilizer down out of way. Remove front engine support through bolts. Raise engine and place wood blocks between engine support and brackets on frame. If equipped

with automatic transmission, position cooler lines out of way. Remove oil pan bolts and remove oil pan.

Mark IV W/460" – 1) Disconnect battery, drain crankcase and remove oil filter. Remove shroud bolts and slide shroud back over fan. Disconnect transmission cooler lines at radiator. Raise vehicle and position on safety stands. Remove stabilizer bar end connectors and rotate bar until center is raised. Support engine with a jack and remove front motor mount bolts. Remove bolt attaching oil cooler line bracket to engine.

2) Raise engine high enough to remove motor mount on left side and then remove left mount and heat shield. Position 3" wood blocks between exhaust manifolds and support brackets. Lower engine until it rests on blocks. Remove starter cable and remove starter. Remove converter housing to engine support bolts and remove brackets. Remove oil pan bolts and lower pan to No. 2 crossmember. Push oil cooler lines upward and remove oil pan.

Continental W/460" – 1) Drain crankcase and disconnect battery. Remove radiator shroud from radiator. Disconnect starter cable and remove starter. Raise vehicle and position on safety stands. Position a floor jack under front of oil pan with a wood block between pan and jack. Raise jack enough to take weight off front motor mounts. Remove both front motor mount through bolts. Remove two front bolts on right mount and loosen rear bolt. Pivot mount up to gain access to converter support bracket bolts.

2) Remove converter support brackets from each side of oil pan. Install a 1" thick wood block under each motor mount support bracket and lower jack. Remove stabilizer bar end connectors and rotate bar until center is raised. Remove oil filter. Remove oil pan screws and remove oil pan.

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