

Oil Pan Removal

GENERAL MOTORS (Cont.)

6-CYLINDER ENGINES

4.1L & 4.8L ENGINES

Van Models

1) Disconnect negative battery cable and remove engine cover. Remove air cleaner and studs. Remove fan guard. Remove radiator upper supports. Raise vehicle.

2) If vehicle is equipped with manual transmission, perform the following steps before continuing: Disconnect clutch cross shaft from left front mount bracket. Remove transmission-to-bell housing upper bolt. Remove transmission rear mount bolts and install two $\frac{7}{16}$ " x 3" bolts. Raise transmission using jack and install 2" block between mount and crossmember.

Except Van Models

1) Disconnect negative battery cable. Raise vehicle and drain engine oil. Remove starter and flywheel splash shield or torque converter housing underpan as applicable.

2) Remove bolts from front engine mount. Raise front of engine, reinstall mount bolts, and lower engine. Remove oil pan bolts and oil pan.

V6 ENGINES

1) Remove engine. Remove oil pan attaching hardware. Remove oil pan.

2) When installing, apply a $\frac{1}{8}$ " (3 mm) bead of sealer on entire oil pan sealing flange. Align holes of gasket on block and install oil pan.

3) Remove starter and drain engine oil. Remove engine mount bolts. Raise engine sufficiently to insert wooden blocks between engine mounts and crossmember brackets.

4) Remove flywheel splash shield or torque converter cover as applicable. Remove oil pan attaching bolts and remove oil pan.

V8 ENGINES

5.0L & 5.7L ENGINES

1) Raise vehicle on hoist and drain engine oil. Remove exhaust crossover pipe. On vehicles with automatic transmissions, remove converter housing underpan.

2) On 4-WD pickups models with automatic transmission, remove strut rods at engine mounts. On all models, remove oil pan mounting bolts and oil pan.

7.4L ENGINE

1) Disconnect negative battery cable. Loosen fan shroud. Remove air cleaner and distributor cap. Raise vehicle and drain oil. On models equipped with manual transmission, remove starter.

2) Remove flywheel splash shield or converter cover as applicable. Remove oil filter. On gauge equipped models, remove oil pressure line from block. Remove front engine mount through bolts. Raise engine and remove oil pan bolts and oil pan.

6.2L DIESEL ENGINE

1) Disconnect negative battery cables. Raise vehicle and drain engine oil. Remove transmission dust cover.

2) Remove oil pan bolts. Remove left engine mount bolt. Raise engine and remove oil pan.

3) When installing, apply a $\frac{1}{32}$ " bead of sealer on entire oil pan sealing flange. Sealer must be wet to the touch when bolts are tightened.

NOTE: Torque specifications for components may be found in Engine Removal Section.

JEEP

4-CYLINDER ENGINES

1) Disconnect negative battery cable. Raise vehicle and drain oil. Remove starter. Remove oil pan bolts and oil pan.

2) When installing, apply small amount of sealer in depression where oil pan gasket contacts block.

6-CYLINDER ENGINES

1) Disconnect negative battery cable. Raise vehicle and drain oil. Remove starter.

2) On "CJ" models, position a jack under transmission housing, disconnect right support cushion bracket from block and raise engine enough to gain clearance for oil pan removal.

3) On all models, remove oil pan attaching bolts, oil pan, seals, and side gaskets.

4) When installing, apply sealer to side gaskets and oil pan gasket ends.

V8 ENGINES

1) Disconnect negative battery cable and drain engine oil. If equipped with manual transmission, bend tabs down on dust shield to aid engine removal. Remove oil pan attaching bolts and oil pan.

2) When installing, apply sealer to oil pan gaskets and ends.

NOTE: Torque specifications for components may be found in Engine Removal Section.