

# Oil Pan Removal

## GENERAL MOTORS (Cont.)

### CADILLAC (Cont.)

**6.0L (368") All Exc. Eldorado & Seville — 1)** Disconnect negative battery cable and remove 2 strut rods from radiator support. Remove radiator support and position strut rod aside. Remove bolts and rivets attaching upper fan shroud to lower fan shroud and remove upper fan shroud.

**2)** Loosen drive belts and remove crankshaft pulleys. Raise vehicle on hoist and drain crankcase. Remove exhaust pipe at manifolds and converter. Remove motor mount through bolts, starter motor and transmission lower cover.

**3)** Raise engine, using a suitable jack and block of wood under crankcase pulley hub, until sufficient clearance is obtained to remove oil pan. Remove oil pan bolts and oil pan.

**6.0L (368") Eldorado & Seville —** Remove final drive assembly with output shafts attached. Remove starter motor and drain crankcase. Remove oil pan bolts and remove oil pan.

### CADILLAC

#### TIGHTENING SPECIFICATIONS

Application	INCH Lbs. (N•m)
Oil Pan	
4-Cylinder 1.8L (112")	72-108 (8-12)
6 mm Bolts	72-108 (8-12)
8 mm Bolts	156-216 (18-24)
V6 Engine 4.1L (252")	168 (19)
V8 Engines	
4.1L (250")	132 (15)
5.7L (350") Diesel	120 (14)
6.0L (368")	120 (14)

### CHEVROLET

#### 4-CYLINDER MODELS

**1.6L (98") Exc. 200 Auto. Trans. — 1)** Disconnect negative battery cable and drain cooling system. Remove upper radiator support. If equipped with A/C, remove upper fan shroud half. If equipped, disconnect transmission oil cooler lines. Remove radiator hoses, radiator and grille.

**2)** If equipped, remove A/C condenser from radiator support and lay on top of engine. Remove heater core housing and lay on top of engine. Remove motor mount nuts and clips. Raise vehicle on hoist and drain crankcase. Disconnect exhaust pipe at manifold.

**3)** Remove body-to-crossmember braces. Remove front steering rack and pinion assembly from crossmember and steering shaft. Pull rack and pinion assembly down and position out of way. Remove stabilizer from vehicle. Install engine lifting tool (J-26436 or equivalent) on front of engine and raise engine.

**4)** Remove oil pan bolts and pull oil pan down, away from engine block. Remove oil pump suction pipe and screen. Remove oil pan through front of vehicle.

**1.6L (98") 200 Auto. Trans. — 1)** Disconnect negative battery cable. Remove air cleaner. Remove heater housing assembly from front of firewall and lay on top of engine. Pull back motor mount wire restraints and remove motor mount nuts.

**2)** Remove upper radiator support or fan shroud. Raise vehicle on hoist and drain crankcase. Remove converter housing inspection cover. Remove front steering rack and pinion assembly from crossmember. Loosen converter-to-rear exhaust pipe clamp bolts.

**3)** Install engine lifting tool (J-26436 or equivalent) on front of engine and raise engine. Remove oil pan bolts and remove oil pan.

**1.8L (112") & 2.0L (122") —** Disconnect negative battery cable at battery. Raise vehicle on hoist and drain crankcase. Remove air conditioning bracket. Remove exhaust pipe and shield at manifold. Remove flywheel inspection cover. Remove oil pan bolts and remove oil pan.

**1.8L (111") Diesel —** Remove complete engine and support on a suitable stand. Remove oil pan bolts and nuts and remove oil pan.

**2.5L (151") — 1)** Raise vehicle on hoist and drain crankcase. Remove cradle-to-front motor mount nuts. Disconnect exhaust pipe at manifold and at rear transaxle mount. Disconnect starter and remove flywheel housing inspection cover.

**2)** Remove upper generator bracket. Install engine lifting tool (J-22825-40 or equivalent) and raise engine. Remove lower generator bracket and engine support bracket. Remove oil pan bolts, wiring harness guide, and remove oil pan.

**NOTE —** Upon reinstallation of oil pan, timing gear cover bolts should be installed last. Cover bolts are installed at an angle and holes align after other pan bolts are snugged.

#### V6 MODELS

**2.8L (173") Exc. Camaro —** Disconnect negative battery cable. Raise vehicle on hoist and drain crankcase. Remove flywheel housing inspection cover and starter motor. Remove motor mount bracket-to-engine bolts and raise engine. Remove front cover-to-oil pan and oil pan bolts. Remove oil pan.

**2.8L (173") Camaro —** Disconnect negative battery cable and remove fan shroud. Raise vehicle on hoist and drain crankcase. Remove A.I.R. pipe at converter and remove converter hanger bolts. Remove starter bolts and lay starter aside. Remove motor mount through bolts and raise engine. Remove oil pan bolts and remove oil pan, turning crankshaft to provide necessary clearance.

**3.8L (229") — 1)** Disconnect negative battery cable. On Impala and Caprice models, remove upper fan shroud half. On all other models, remove entire fan shroud. If equipped, remove cruise control servo bracket. Raise vehicle and drain crankcase. Remove exhaust crossover pipe nuts at manifold and lower crossover pipe.

**2)** Remove starter motor. Remove converter housing inspection cover. Remove left motor mount through bolt and loosen right motor mount through bolt. Raise engine and reinstall left through bolt in frame bracket without tightening. Remove oil pan bolts and remove oil pan.

**3.8L (231") —** Raise vehicle on hoist and drain crankcase. Remove converter housing inspection cover. Remove exhaust crossover pipe. Remove oil pan bolts and remove oil pan.

**4.3L (262") Diesel, Exc. Celebrity — 1)** Remove oil pump drive and vacuum pump. Disconnect battery cables at battery and remove