

GENERAL MOTORS (Cont.)

BUICK (Cont.)

2) Disconnect drive axles at output shafts and battery cable bracket at output shaft support. Disconnect output shaft support at engine block. Remove 3 final drive-to-transmission bolts. Remove final drive using a transmission jack. Remove splash shield and starter motor. Drain crankcase, remove oil pan bolts and remove oil pan.

5.7L (350") Diesel — 1) Disconnect negative battery cables at batteries. Remove engine oil dipstick. Remove oil pump drive and vacuum pump. Remove upper radiator support and fan shroud attaching screws. Raise vehicle on hoist and drain crankcase. Remove converter housing inspection cover.

2) Disconnect exhaust and crossover pipes at manifolds. Remove engine oil cooler lines at filter base. Remove starter motor. Install engine lifting tool (J-23515 or equivalent) and adapter to engine.

3) Remove motor mount through bolts and raise front of engine as far as possible. Remove motor mounts from engine block. Remove oil pan bolts and remove oil pan.

BUICK	
TIGHTENING SPECIFICATIONS	
Application	INCH Lbs. (N·m)
Oil Pan	
4-Cylinder	
1.8L (112") & 2.0L (122")	
6 mm Bolts	72-108 (8-12)
8 mm Bolts	156-216 (18-24)
2.5L (151")	
Oil Pan Bolts	75 (6)
Timing Cover-to-Oil Pan Bolts	90 (10)
V6 Engines	
2.8L (173")	
6 mm Bolts	72-108 (8-12)
8 mm Bolts	168-264 (19-30)
3.0L (183")	168 (19)
3.8L (231") & 4.1L (252")	168 (19)
4.3L (262") Diesel	120 (14)
V8 Engines	
5.0L (307")	120 (14)
5.7L (350") Diesel	120 (14)

CADILLAC

4-CYLINDER MODELS

1.8L (112") — 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.

V6 MODELS

4.1L (252") All Exc. Eldorado & Seville — Raise vehicle on hoist and drain crankcase. Remove flywheel inspection cover and exhaust crossover pipe. Raise engine, remove oil pan bolts and remove oil pan.

4.1L (252") Eldorado & Seville — 1) Disconnect negative battery cable and remove 1 final drive-to-transmission bolt. Install engine support fixture. Raise vehicle on hoist, support with jack stands, and lower hoist.

2) Disconnect idler arm bracket at frame then turn wheel to left lock position. Disconnect drive axles from output shafts and battery cable from output shaft support. Disconnect output shaft support from engine. Remove remaining final drive-to-transmission bolts.

3) Remove final drive cover then remove final drive using a transmission jack. Remove splash shield, starter motor and flywheel inspection cover. Drain crankcase, then remove oil pan bolts and oil pan.

V8 MODELS

4.1L (250") All Exc. Eldorado & Seville — Disconnect negative battery cable. Raise vehicle on hoist and drain crankcase. Remove engine oil filter, flywheel inspection cover and support struts. Discon-

nect exhaust pipe at exhaust manifolds. Remove oil pan bolts, lower exhaust pipe and remove oil pan.

4.1L (250") Eldorado & Seville — 1) Raise vehicle on hoist, drain crankcase and remove engine oil filter. Remove flywheel inspection cover. Remove final drive as described in *AUTOMATIC TRANSMISSION SECTION*. Disconnect exhaust pipe from exhaust manifolds.

2) Remove front suspension stone shield and 2 nuts securing engine mounts to crossmember. Raise engine 1-2", remove oil pan bolts, lower exhaust pipe and remove oil pan.

5.7L (350") Diesel, Exc. Eldorado & Seville — 1) Disconnect battery cables and remove engine oil dipstick. Remove oil pump drive and vacuum pump. Raise vehicle on hoist and drain crankcase. Remove flywheel inspection cover then disconnect exhaust and crossover pipes.

2) Remove oil cooler lines at filter base and remove starter motor. Support front of engine and remove motor mount attaching bolts. Raise front of engine. Remove oil pan bolts and oil pan.

5.7L (350") Diesel, Eldorado & Seville — 1) Disconnect negative battery cable and remove top 3 final drive-to-transmission bolts. Raise vehicle on hoist, support with suitable stands and lower hoist. Disconnect idler and pitman arm from relay rod.

2) Disconnect drive axles from output shafts. Disconnect battery cable bracket from output shaft support and output shaft support from engine block. Remove 3 final drive-to-transmission bolts, splash shield and upper final drive support bracket bolts. Remove final drive using a transmission jack.

3) Remove starter motor and drain crankcase. Remove 2 nuts from front motor mount and loosen 2 front motor mount bolts at side of block. Lift engine 1-1 1/2", remove oil pan bolts and remove oil pan.