

Engine Removal

GENERAL MOTORS

BUICK

V6 & V8 MODELS

1) Remove hood and mark hinges for installation. Disconnect battery, remove air cleaner and drain cooling system. Remove air conditioning compressor (if equipped) from mount without disconnecting lines and position out of way. Remove fan pulleys and drive belts. Disconnect radiator hoses and remove fan shroud.

2) On models equipped with 260" V8, remove radiator. Remove power steering pump (if equipped) from mount without disconnecting lines and position out of way. Disconnect all electrical and vacuum connections at engine. Disconnect accelerator cable or linkage at carburetor.

3) Raise vehicle and position on safety stands. Disconnect exhaust pipes at exhaust manifolds. Remove flywheel or converter housing cover. Scribe mark aligning converter to flex plate for installation. Remove converter-to-flex plate bolts.

NOTE — The remainder of the engine removal procedure will vary depending on model and engine as follows:

All Models W/231" V6, 350" & 455" V8 — 4) Remove starter cable and cable shield from engine. If equipped with automatic transmission, remove transmission-to-engine bolts. *NOTE — Manual transmission is removed with engine.* On manual transmission models, remove drive shaft, shift linkage, clutch equalizer shaft and transmission mount. On all models, remove motor mount fasteners, lower vehicle and support automatic transmission with a jack and a wood block.

5) Attach a suitable hoist to engine and raise enough to take weight off front engine mounts. Remove front mount through bolts. Raise engine and transmission support until engine and automatic transmission can be separated and remove engine. Remove engine and manual transmission assembly (if equipped).

All Models W/260" V8 — 4) Remove motor mount bolts. Remove three bolts on right side securing engine to transmission. Remove starter with wires attached and secure starter to frame, out of way.

5) Lower vehicle and support transmission with a jack and a wood block. Remove three bolts on left side securing engine to transmission. Attach a suitable hoist to engine and remove engine.

BUICK TIGHTENING SPECIFICATIONS	
Application	Ft. Lbs.
All Models W/231" V6	
Motor Mount Bracket-to-Frame	25-35
Motor Mount-to-Engine	50-65
Motor Mount Through Bolt	
All Except Skyhawk	40-55
Skyhawk	25-35
Clutch Housing or Auto. Trans.-to-Engine	35
All Models W/260" V8	
Motor Mount Bracket-to-Frame	35
Support Assembly-to-Engine	80
Motor Mount-to-Support Assembly	60
Motor Mount Through Bolt	35
Rear Mount-to-Trans	45
Rear Mount-to-Crossmember	60
All Models W/350" & 455" V8	
Motor Mount Bracket-to-Frame.....	25-35
Motor Mount-to-Engine	50-65
Motor Mount Through Bolt	40-55
Clutch Housing or Auto. Trans.-to-Engine	35