Torque Specifications

(All readings in ft lbs)

Year	Engine	Cylinder Head Bolts	Rod Bearing Bolts	Main Bearing Bolts	Crankshaft Pulley Bolt	Flywheel-to-Crankshaft Bolts	Manifold	
							Intake	Exhaust
1966–74	170, 200	70–75	19–24	60–70	85–100	75–85	——	13–18
1966–77	289, 302	65–70	19–24	60–70	70–90③	75–85	①	12–16②

—— Not Applicable

① 1966–68: 20–22
1969–73: 23–25
1974–77: 19–27

② 1966–68 only, 15–20 ft lbs

③ 1974–77: 35–50

16. Remove the windshield wiper vacuum hose and the inlet fuel line from the fuel pump.

17. Raise the vehicle and drain the crankcase oil.

18. Remove the retaining screws from the clutch linkage equalizer shaft bracket at the cylinder block and bellhousing, and remove the bracket.

19. Remove the retaining nuts and washers from each of the motor mounts.

20. Remove the retaining screws holding the inspection cover to the bottom of the bellhousing and remove the inspection cover.

21. Loosen the screws that hold the bellhousing to the engine. Do not remove them just yet. Loosen them enough that they can be removed easily with a wrench later on.

22. Replace the drain plug in the oil pan and lower the vehicle.

23. Position a jack under the transmission and remove the screws holding the bellhousing to the engine.

24. Carefully lift the engine from the engine compartment.

ENGINE INSTALLATION

1. Carefully lower the engine into the engine compartment, aligning the transmission input shaft with the clutch disc splines.

2. Install the two upper bellhousing-to-engine retaining screws securely.

3. Remove the lifting device from the engine and the jack from beneath the transmission.

4. Raise the vehicle and install the remaining two lower bellhousing-to-engine retaining screws.

5. Install the inspection plate cover.

6. Install the washers and nuts onto the motor mounts.

7. Grease the clutch equalizer shaft and mount the bracket to the engine and bellhousing with the proper retaining screws.

8. Lower the vehicle and install the windshield vacuum hose and the inlet fuel line onto the fuel pump.

9. Connect and adjust the choke and throttle cable at the carburetor.

10. Connect the wiring at the ignition coil and the oil and temperature sending units.

11. Install the water pump pulley, spacer and the fan, alternator and fan belt. Adjust the fan belt tension.

12. Connect the exhaust pipe to the exhaust manifold, using a new gasket. Install the U-bolt clamp that holds the exhaust pipe to the engine block.

13. Position the starter and install the two retaining screws, and install the starter cable.

14. Position the battery ground cable and the alternator ground wire on the engine block and install the retaining screw.

15. Connect the heater hoses at the rear of the carburetor spacer and at the water pump.

16. Install the radiator and connect the upper and lower hoses.

17. Connect the battery ground cable.

18. Install the air cleaner.

19. Fill the crankcase with oil, and the cooling system with coolant.