

SECTION 5-C

AUTOMATIC TRANSMISSION REMOVAL & INSTALLATION

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5-7 TRANSMISSION ASSEMBLY—REMOVAL AND INSTALLATION

a. Removal

1. Raise car and provide support for front and rear of car.
2. Disconnect front exhaust pipe bolts at the exhaust manifold and at the connection of the intermediate exhaust pipe location (single exhaust only). On dual exhaust the exhaust pipes need not be removed.
3. Disconnect propeller shaft or rear companion flange, mark flange and shaft so parts may be reassembled in same relative position. Support shaft up out of the way to prevent damage to center joint caused by weight of shaft.
4. Place suitable jack under transmission and fasten transmission securely to jack.
5. Remove vacuum line to vacuum modulator hose from vacuum modulator.
6. Loosen cooler line bolts and separate cooler lines from transmission.
7. Remove transmission mounting pad to cross member bolts.
8. Remove transmission cross member support to frame rail bolts. Remove cross member.

9. Disconnect speedometer cable.
10. Loosen shift linkage adjusting swivel clamp nut. Remove cotter key, spring, and washer attaching equalizer to outer range selector lever. Remove equalizer.
11. Disconnect transmission filler pipe at engine. Remove filler pipe from transmission.
12. Support engine at oil pan.
13. Remove transmission flywheel cover pan to case tapping screws. Remove flywheel cover pan.
14. Mark flywheel and converter pump for reassembly in same position, and remove three converter pump to flywheel bolts.
15. Remove transmission case to engine block bolts.
16. Move transmission rearward to provide clearance between converter pump and crankshaft. Install Tool J-21366 to retain converter. Lower transmission and move to bench.

b. Installation

1. Assemble transmission to suitable transmission jack and raise transmission into position. Rotate converter to permit coupling of flywheel and converter with original relationship.
2. Install transmission case to engine block bolts. Torque to 30-40 ft. lbs. Do not overtighten.

3. Install flywheel to converter pump bolts. Torque to 30-40 ft. lbs.
4. Install transmission cross member support. Install mounting pad to cross member.
5. Remove transmission jack and engine support.
6. Install transmission flywheel cover pan with tapping screws.
7. Install transmission filler pipe using a new "O" ring.
8. Reconnect speedometer cable.
9. Install propeller shaft. Connect propeller shaft to pinion flange.
10. Reinstall front exhaust crossover pipe.
11. Install oil cooler lines to transmission.
12. Install vacuum line to vacuum modulator.
13. Fill transmission with oil as follows:
 - a. Add 4 pints of oil.
 - b. Start engine in neutral. DO NOT RACE ENGINE. Move manual control lever through each range.
 - c. Check oil level, adjust oil level to full mark on dipstick.