

4. Disconnect the parking brake at the equalizer bar and support the engine with a transmission jack.
5. Remove the extension housing-to-engine rear support attaching bolts.
6. Raise the rear of the engine with the transmission jack. Disconnect the frame crossmember at the frame and remove the crossmember and engine rear support as a unit.
7. Support the transmission on a jack and remove the bolts that attach the transmission to the flywheel housing.
8. Move the transmission and jack rearward until the transmission input shaft clears the flywheel housing. If necessary, lower the engine enough to obtain clearance for transmission removal.

**Do not depress the clutch pedal while the transmission is removed.**

#### **INSTALLATION**

1. Make sure that the mounting surfaces of the transmission and the flywheel housing are free of dirt, paint, and burrs. Install two guide pins in the flywheel housing lower mounting bolt holes. Move the transmission forward on the guide pins until the input shaft splines enter the clutch hub splines and the case is positioned against the flywheel housing.
2. Install the two upper transmission to flywheel housing mounting bolts snug and then remove the two guide pins. Install the two lower mounting bolts. Torque all mounting bolts to specifications.
3. Raise the rear of the engine, and install the crossmember and the engine rear support as a unit. Torque the crossmember attaching bolts to

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specifications, then lower the engine.

4. With the transmission extension housing resting on the engine rear support, install the transmission extension housing attaching bolts. Torque the bolts to specifications.
5. Connect the speedometer cable to the extension housing, and connect the parking brake cable to the equalizer.
6. Remove the extension housing installation tool and slide the forward end of the drive shaft over the transmission output shaft. Connect the drive shaft to the rear U-joint flange.
7. Place both forward gear shift levers and the reverse shift lever in the neutral position and insert a 1/4 inch diameter alignment tool in the shift linkage alignment hole (Fig. 3, 235K.) It may be necessary to loosen the adjustment nuts to install the alignment tool. Adjust the linkage as necessary and tighten the adjustment nuts to specifications. Remove the alignment tool.
8. Fill the transmission to the proper level with the specified lubricant.
9. Lower the car and install the shift selector lever and the dust boot.
10. Check the shift and crossover motion for full shift engagement and smooth crossover operation.

#### **4 MAJOR REPAIR OPERATIONS**

##### **DISASSEMBLY**