

- (5) Add fluid to transmission to bring up to proper level.
- (6) The **Back-Up Light Switch Circuit** is through the two outside terminals of the 3 terminal switch.
- (7) To test switch, remove wiring connector from switch and test for continuity between the two outside pins.
- (8) Continuity should exist only with transmission in **Reverse** position.
- (9) No continuity should exist from either pin to the case.

## EXTENSION HOUSING YOKE SEAL

### Replacement

- (1) Mark parts for reassembly then disconnect propeller shaft at rear universal joint. Carefully pull shaft yoke out of the transmission extension housing. **CAUTION: Be careful not to scratch or nick ground surface on sliding spline yoke during removal and installation of the shaft assembly.**
- (2) Cut boot end of extension housing yoke seal, then screw the tapered thread of Tool C-748 into the seal. Turn the screw of the tool to remove the seal (Fig. 6).
- (3) To install a new seal, position seal in opening of extension housing and drive it into the housing with Tool C-3995 or C-3972 (Fig. 7).
- (4) Carefully guide front universal joint yoke into extension housing and on the mainshaft splines. Align marks made at removal and connect propeller shaft to rear axle pinion shaft yoke.

## EXTENSION HOUSING BUSHING AND OUTPUT SHAFT BEARING

### Extension Removal

- NOTE: Carlines R, W, and Y require unloading of both torsion bars and dropping of one side of torsion bar crossmember for clearance. Refer to Group 2 for details and illustrations.
- (1) Mark parts for reassembly then disconnect propeller shaft at rear universal joint. Carefully pull shaft assembly out of the extension housing.

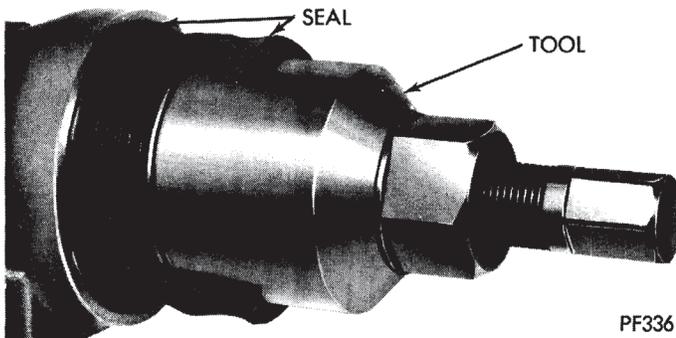
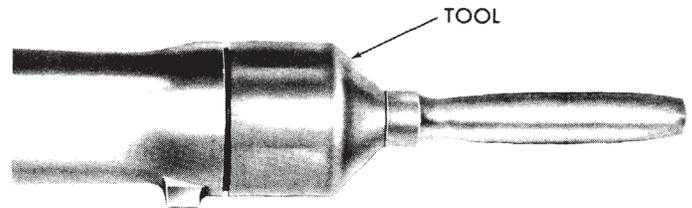


Fig. 6—Removing Extension Housing Yoke Seal



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Fig. 7—Installing Extension Housing Yoke Seal

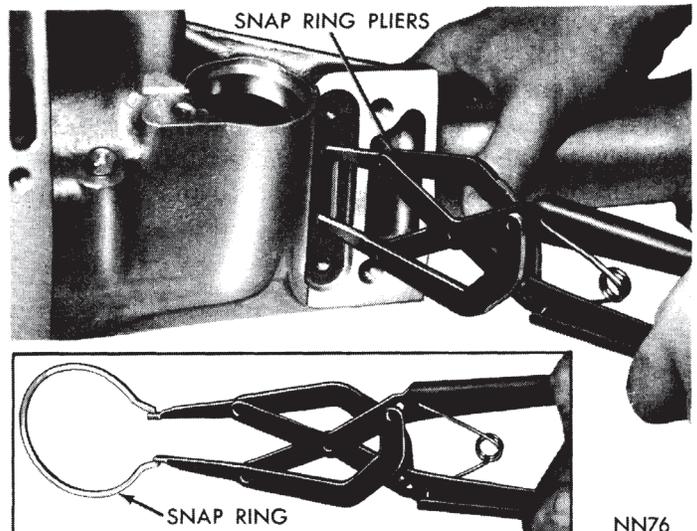
- (2) Cut boot end of extension housing yoke seal, then screw the tapered thread of Tool C-748 into the seal. Turn the screw of the tool to remove the seal (Fig. 6).
- (3) Remove speedometer pinion and adapter assembly (Fig. 1). Drain approximately two quarts of fluid from the transmission.
- (4) Remove bolts securing extension housing to the crossmember. Raise transmission slightly with service jack, then remove center crossmember and support assembly.
- (5) Remove extension housing to transmission bolts.

**Console Shift:** Remove two bolts securing gearshift torque shaft lower bracket to extension housing. Swing bracket out of way for extension housing removal.

**IMPORTANT:** In removing or installing extension housing (step 6), the gearshift lever must be in "1" (low) position. This positions parking lock control rod rearward so it can be disengaged or engaged with the parking lock sprag.

- (6) Remove two screws, plate and gasket from bottom of extension housing mounting pad. Spread large snap ring from output shaft bearing (Fig. 8).

With snap ring spread as far as possible, carefully tap extension housing off the output shaft bearing. Carefully pull extension housing rearward, to remove



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Fig. 8—Removing or Installing Extension Housing