

shaft yoke out of the transmission extension housing.

Be careful not to scratch or nick ground surface on sliding spline yoke during removal and installation of the shaft assembly.

(2) Remove oil seal with Tool C-3985 (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

Carlines R,W,S, and X require unloading of both torsion bars, removing the left torsion bar 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.

(2) Remove oil seal with Tool C-3985 (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.

When removing or installing extension housing (step 6), the gearshift lever must be in "1" (first) 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

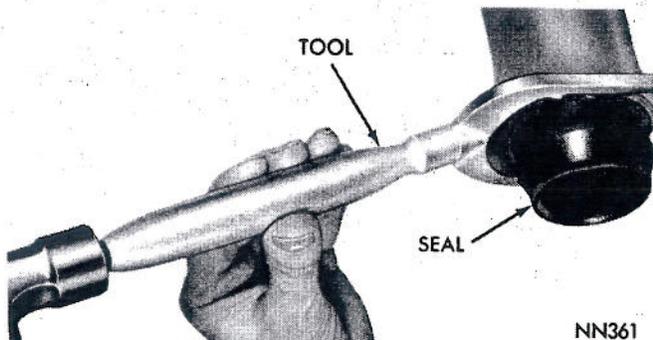


Fig. 6—Removing Extension Housing Yoke Seal

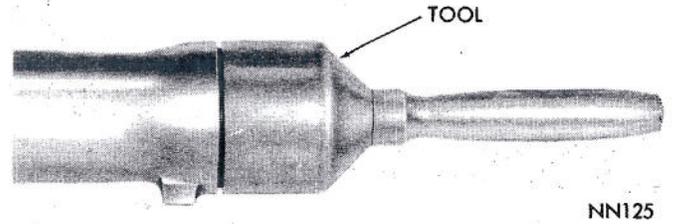


Fig. 7—Installing Extension Housing Yoke Seal

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 parking lock control rod knob past the parking sprag, then remove the housing.

Bearing Replacement

(1) Using heavy duty snap ring pliers, remove output shaft bearing rear snap ring and remove bearing from the shaft (Fig. 9).

(2) Install a new bearing on shaft with outer race ring groove toward front, then install rear snap ring. A-727 has a snap ring in front of bearing, A-904 does not.

Bushing Replacement

(1) **A-904:** Press or drive out bushing with Tool C-3996 (Fig. 10).

A-727: Remove bushing in the same manner with Tool C-3974.

(2) **A-904:** Slide a new bushing on installing end of Tool C-3996. Align oil hole in bushing with oil slot in the housing, then press or drive bushing into place (Fig. 10).

A-727: Using Tool C-3974, install a new bushing in same manner.

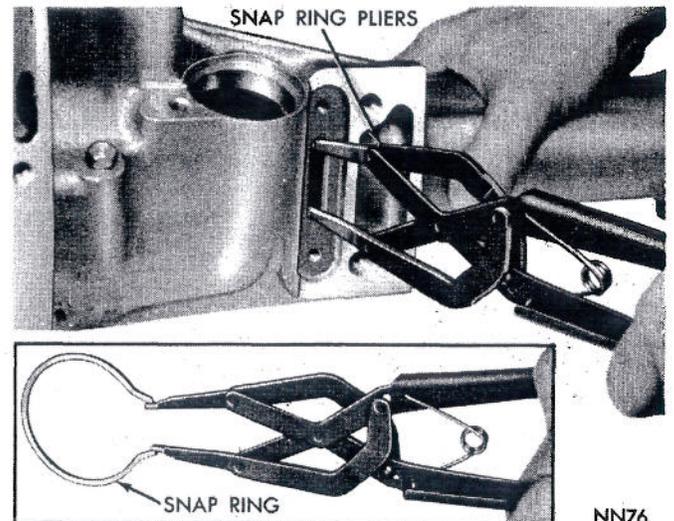


Fig. 8—Removing or Installing Extension Housing