

Fig. 9—Output Shaft Bearing

(3) **A-904:** Drive a new oil seal into housing with Tool C-3995 (Fig. 7).

**A-727:** Using Tool C-3972, install a new oil seal in same manner.

**Extension Installation**

(1) Place a new extension housing gasket on the transmission case. Position output shaft bearing retaining snap ring in extension housing. Slide extension housing on output shaft guiding the parking lock control rod knob past the parking sprag. While spreading large snap ring in housing (Fig. 8), carefully tap housing into place, then release the snap ring. Make sure snap ring is fully seated in bearing outer race ring groove.

(2) Install and tighten extension housing bolts to 24 foot-pounds.

(3) Install gasket, plate, and two screws on bottom of the extension housing mounting pad.

(4) Install center crossmember and rear mount assembly, tighten retaining bolts. Lower transmission to install extension housing to support bolts and tighten to 50 foot-pounds.

**Console Shift:** Align gearshift torque shaft lower bracket with the extension housing. Install the two retaining bolts and tighten securely.

(5) Install the speedometer pinion and adapter.

(6) Carefully guide front universal joint yoke into extension housing and on the output shaft splines. Align marks made at removal and connect propeller shaft to rear axle pinion shaft yoke.

(7) Add fluid to transmission to bring up to proper level.

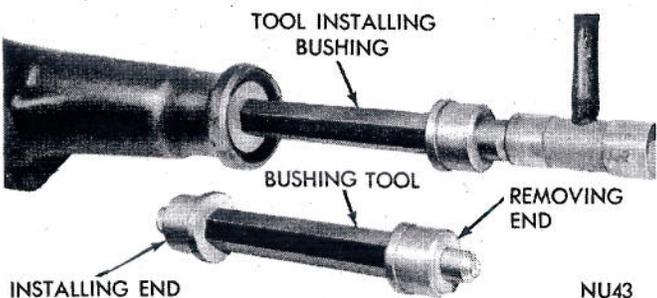


Fig. 10—Replacing Extension Housing Bushing

**GOVERNOR AND PARKING GEAR**

**Removal**

(1) Remove extension housing and output shaft bearing as previously described.

(2) Carefully pry snap ring from weight end of governor valve shaft (Fig. 11). Slide valve and shaft assembly out of governor body.

(3) Remove large snap ring from weight end of governor body, lift out governor weight assembly.

(4) Remove snap ring from inside governor weight, remove inner weight and spring from the outer weight. Figure 12 shows a disassembled view of the governor assembly.

(5) Remove snap ring from behind governor body, then slide governor and support assembly off the output shaft. Remove the four bolts and separate governor body and screen from the parking gear.

**Cleaning and Inspection**

Figure 12 shows a disassembled view of the governor assembly.

Inspect all parts for burrs and wear. Inspect inner weight for free movement in outer weight, and outer weight for free movement in governor body. Inspect valve for free movement in governor body. The weights and valve should fall freely in the bores when clean and dry. Rough surfaces may be removed with crocus cloth. Wash governor screen. Inspect governor seal rings for wear on sides and outside diameter.

Inspect governor weight spring for distortion. Inspect lugs on support gear for broken edges or other damage. Thoroughly clean all governor parts in clean solvent and test for free movement before assembly.

**Assembly**

Assemble governor weights and spring, and secure with snap ring inside of large governor weight. Place

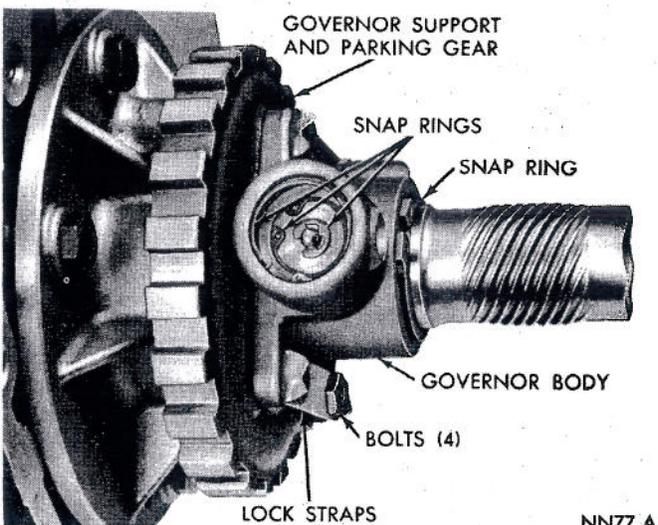


Fig. 11—Governor Shaft and Weight Snap Rings