

**Fig. 6—Removing Floor Shift Hand Lever**

pinion adapter to extension housing (Fig. 8).

(3) With cable housing connected, carefully work adapter and pinion out of extension housing.

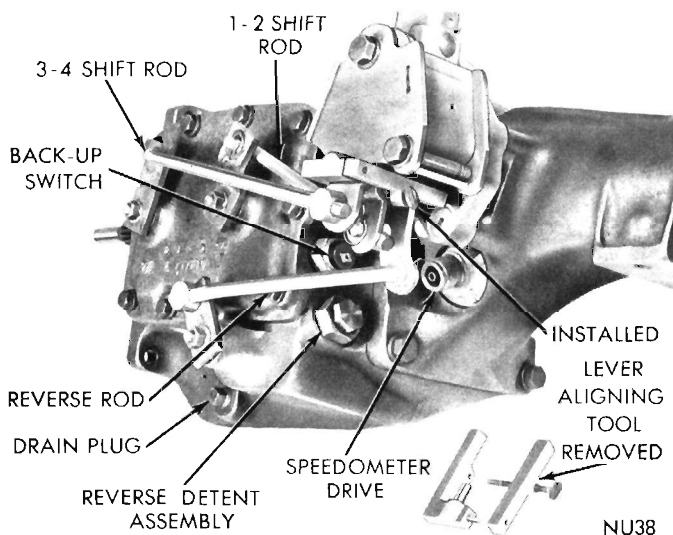
(4) If transmission fluid is found in cable housing, replace seal in the adapter (Fig. 9). Start seal and retainer ring in adapter, then push them into adapter with Tool C-4004 until tool bottoms (Fig. 10).

(5) Note number of gear teeth and install speedometer pinion gear into adapter (Fig. 9).

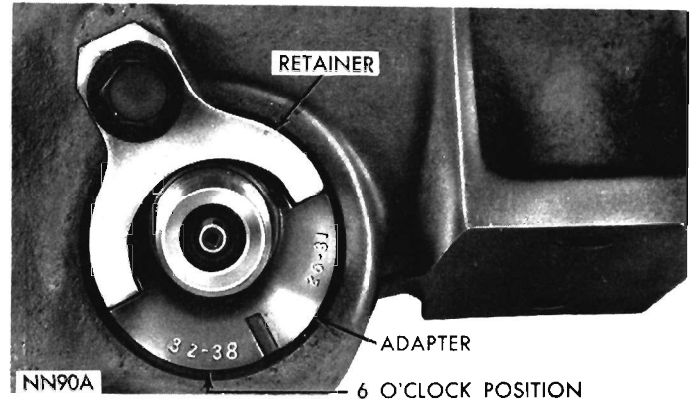
**CAUTION:** Before installing pinion and adapter assembly, make sure adapter flange and its mating area on extension housing are perfectly clean. Dirt or sand will cause mis-alignment resulting in speedometer pinion gear damage.

(6) With proper gear tooth range number in 6 o'clock position, carefully press assembly into extension housing (Fig. 8).

(7) Install retainer and bolt, with retainer tangs in adapter positioning slots. Tap adapter firmly into extension housing and tighten retainer bolt to 100



**Fig. 7—Gearshift Linkage Adjustment**



**Fig. 8—Speedometer Pinion and Adapter—Installed**

inch-pounds.

(8) Fill transmission to level of fill plug (Refer to Lubrication Section).

## EXTENSION HOUSING YOKE SEAL

### Replacement

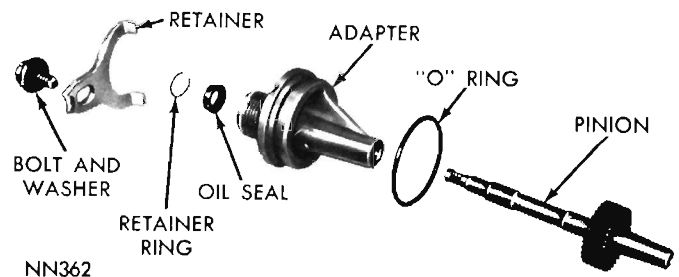
(1) Place drain pan under yoke seal.

(2) Disconnect propeller shaft at rear universal joint. Carefully pull shaft yoke out of transmission extension housing.

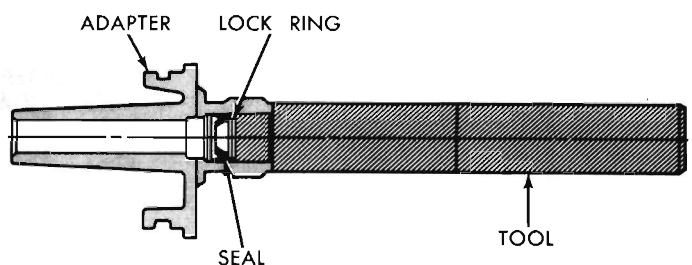
**CAUTION:** Be careful not to scratch or nick ground surface on sliding spline yoke during removal and installation of the shaft assembly.

(3) Remove extension housing yoke seal (Fig. 11) with Tool C-3985.

(4) To install a new seal, position seal in opening of extension housing and drive it into housing with Tool C-3972 (Fig. 12).



**Fig. 9—Speedometer Pinion and Adapter—Disassembled**



**Fig. 10—Installing Speedometer Pinion Seal**

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