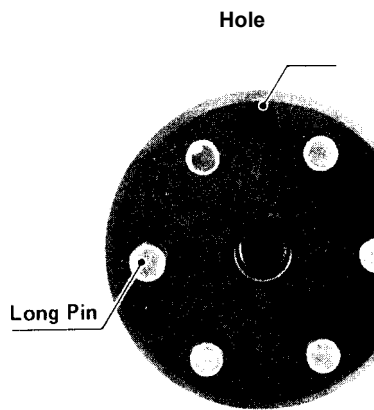


Shift Drum Disassembly:

- Drop out the operating plate pin 24
- Remove the shift drum pin plate 34 The screw 31 has a lock washer®.
- Pull out the pins 19 (6).

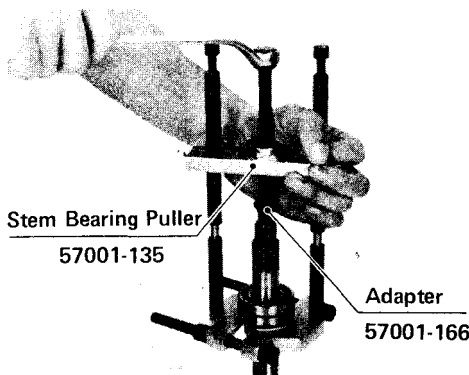
Shift Drum Assembly Notes:

1. Use a new lock washer, and be sure that the screw is firmly tightened.
2. The long shift drum pin must be in the position shown in Fig. 249. If the pin is assembled in the wrong position, the neutral indicator light will not light when the gears are in neutral.

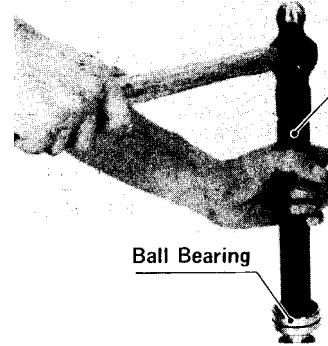


Drive Shaft Disassembly:

- Pull off the clutch housing and the needle bearing from the drive shaft assembly.
- Pull off the drive shaft sleeve and spacer.
- Remove the needle bearing outer race¹.
- Remove the circlip (3, and pull off the needle bearing 4, steel washer 5 , and copper washer 6.
- Pull off 2nd gear 7, 5th gear 8, the copper bushing 9 , and washer 10.
- Remove the circlip 11 and pull off 3rd gear 12 .
- Remove the circlip 13 , and pull off the washer 14 and 4th gear 15.
- Remove the ball bearing 17 using the stem bearing puller and adapter (special tools),



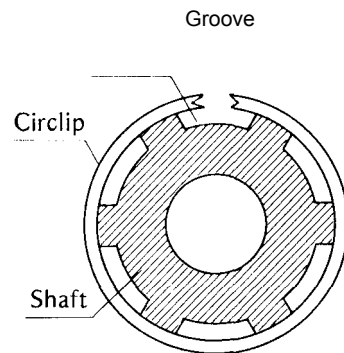
DISASSEMBLY 71



Transmission Circlip Driver 57001-137

2. Replace any circlips that were disassembled with new ones, and install the circlip so that the opening coincides with one of the splined grooves in the drive shaft.

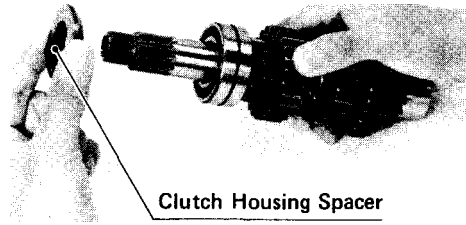
Circlip Installation onto Drive Shaft



3. When assembling the 5th gear copper bushing to the drive shaft, align its oil holes with the holes in the shaft.
4. The clutch housing spacer must be installed with its flat side facing toward the end of the shaft. Select the proper spacer, if the drive shaft ball bearing is replaced (Pg. 139).

Drive Shaft Assembly Notes:

1. Install the drive shaft ball bearing using the transmission circlip driver (KZ400 special tool).



Clutch Housing Spacer

5. Be sure that all parts are put back in the correct sequence and all circlips and flat washers are properly in place. Proper sequence starting with 1st gear (part of drive shaft) is 1st gear, 4th gear, washer, circlip, 3rd gear, circlip, washer, copper bushing, 5th gear, 2nd gear, copper washer, steel washer, needle bearing, circlip, needle bearing race. At the other end of the shaft, install the spacer, drive shaft sleeve, needle bearing, and clutch housing.