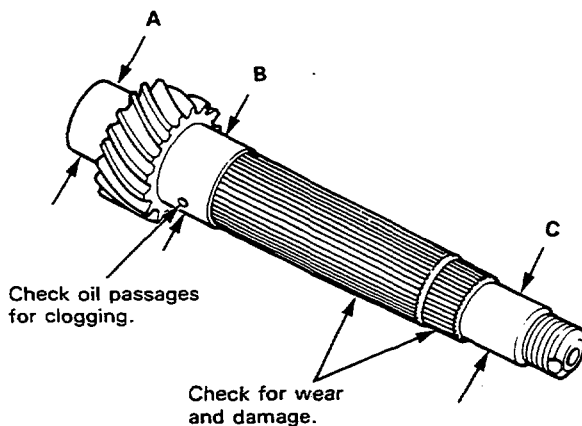


## Inspection

1. Inspect the gear surfaces and bearing surfaces for wear and damage, then measure the countershaft at points A, B, and C.

**Standard:** A: 30.000–30.015 mm (1.1811–1.1817 in)  
 B: 35.984–36.000 mm (1.4167–1.4173 in)  
 C: 24.980–24.993 mm (0.9835–0.9840 in)

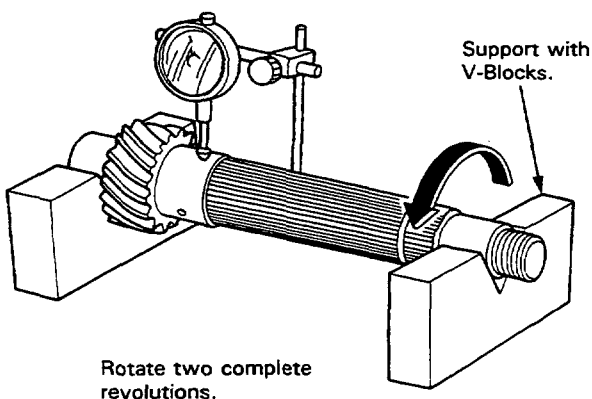
**Service Limit:** A: 29.950 mm (1.1791 in)  
 B: 35.930 mm (1.4146 in)  
 C: 24.930 mm (0.9815 in)



- If any part of the countershaft is less than the service limit, replace it with a new one.

2. Inspect for runout.

**Standard:** 0.02 mm (0.001 in) max.  
**Service Limit:** 0.05 mm (0.002 in)



- If the runout is more than the service limit, replace the countershaft with a new one.

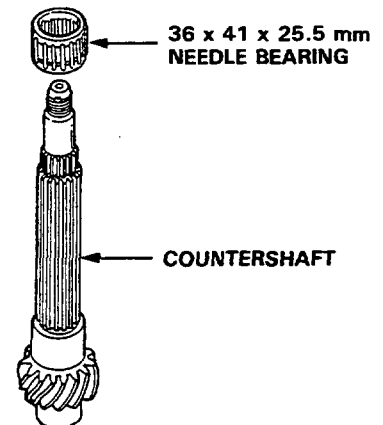
## Reassembly

### CAUTION:

- Press the 3rd, 4th, and 5th gears on the countershaft without lubrication.
- When installing the 3rd, 4th, and 5th gears, support the shaft on steel blocks and install the gears using a press.

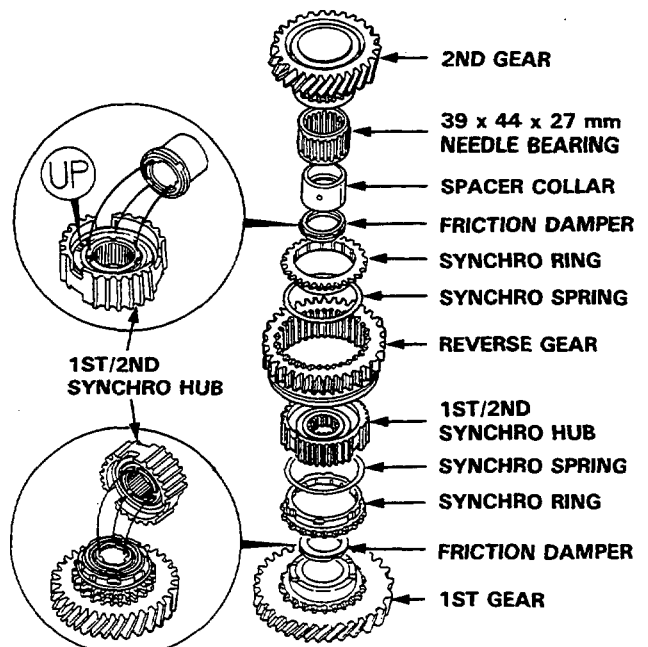
**NOTE:** Refer to page 13-18 for reassembly sequence.

1. Install the needle bearing on the countershaft.



2. Assemble the parts below as shown.

**NOTE:** Check that the fingers of the friction damper are securely set in the grooves of the 1st/2nd synchro hub.



3. Install the parts on the countershaft.

(cont'd)