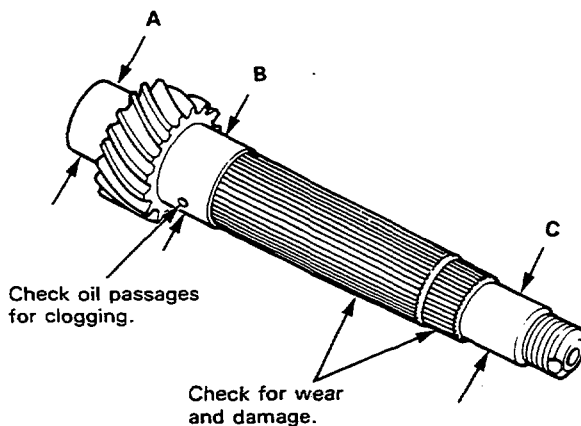


Inspection

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)

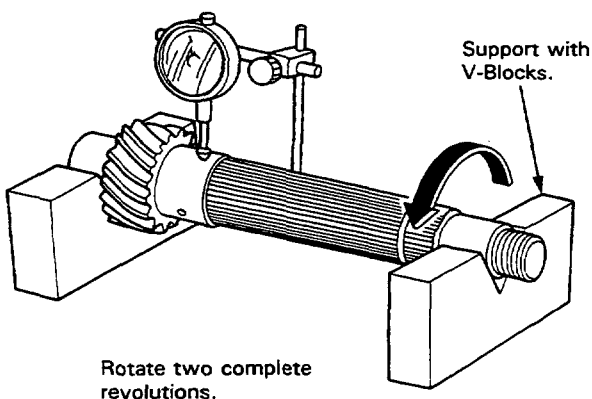
Service Limit: A: 29.950 mm (1.1791 in)
 B: 35.930 mm (1.4146 in)
 C: 24.930 mm (0.9815 in)



- 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.

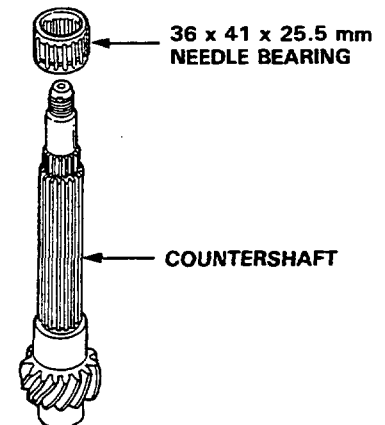
Reassembly

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.

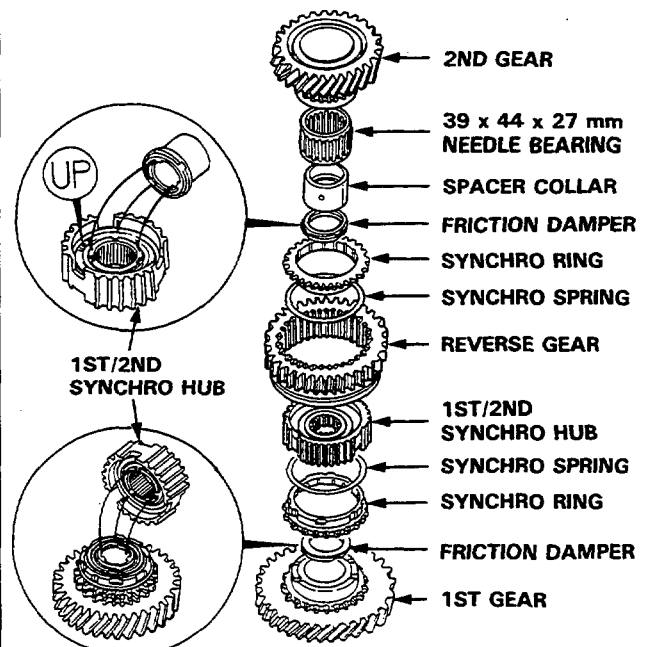
NOTE: Refer to page 13-18 for reassembly sequence.

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.



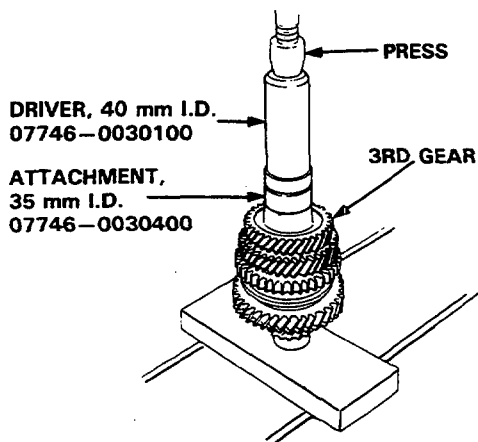
3. Install the parts on the countershaft.

(cont'd)

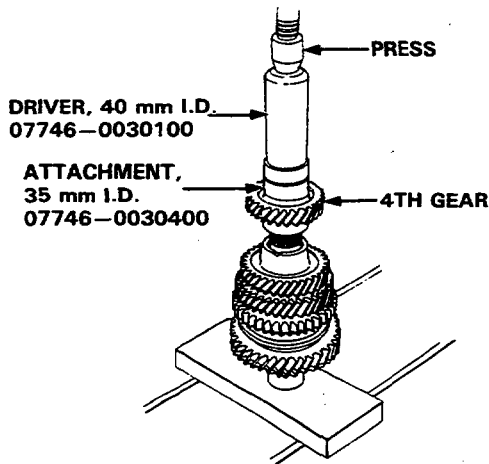
Countershaft Assembly

Reassembly (cont'd)

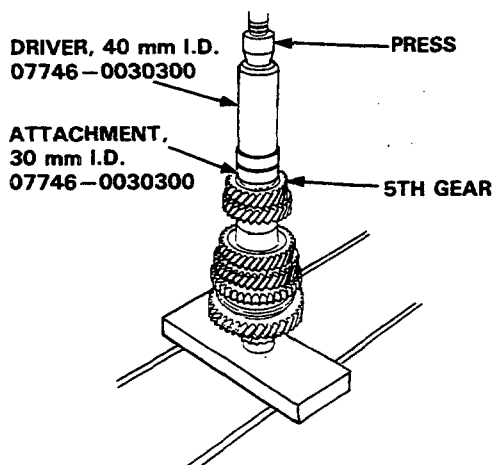
4. Support the countershaft on a steel block as shown and install 3rd gear using the special tools and a press as shown.



5. Install 4th gear using the special tools and a press as shown.

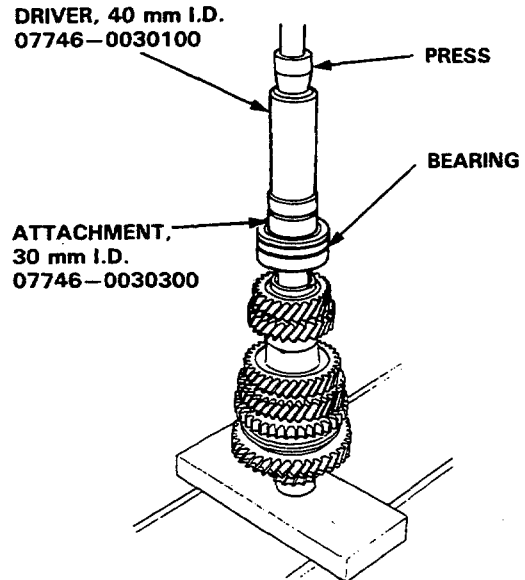


6. Install 5th gear using the special tools and a press as shown.



7. Install the bearings using the special tools and a press as shown.

CAUTION: Install the bearings with a maximum pressure of 7.8 kN (800 kgf, 5.786 lbf).



8. Securely clamp the countershaft assembly in a bench vise with wood blocks.
9. Install the spring washer, tighten the locknut, then stake the locknut tab into groove.

LOCKNUT

108-0-108 N·m

(11.0-0-11.0 kgf·m, 79.6-0-79.6 lbf·ft)

