

# Countershaft Assembly

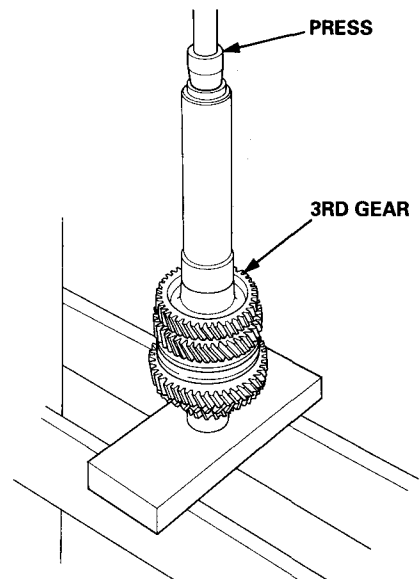
## Reassembly

### CAUTION:

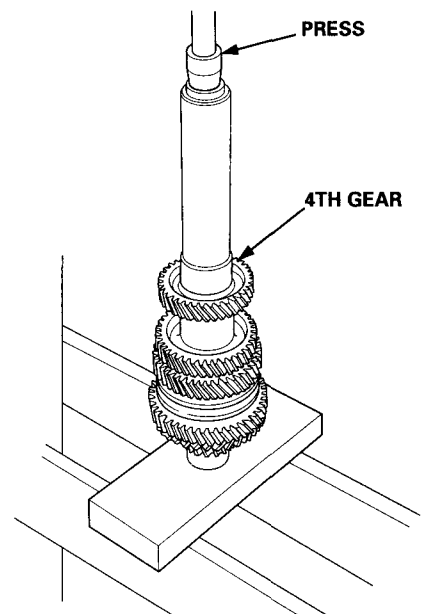
- Prior to reassembling, clean all the parts in solvent, dry them, and apply lubricant to any contact parts.
- Press the 3rd, 4th, 5th and 6th gears on the countershaft without lubrication.
- When installing the 3rd, 4th, 5th and 6th gears, support the shaft on steel blocks, and install the gears using a press.
- Install the 3rd, 4th, 5th and 6th gears with a maximum pressure of 1,000 kg (2,205 lbs), then press all three gears with a pressure of 2,600 kg (5,732 lbs).

NOTE: To reassemble, see page [13-37](#).

1. Support the countershaft on a steel block, and install 3rd gear using a press.

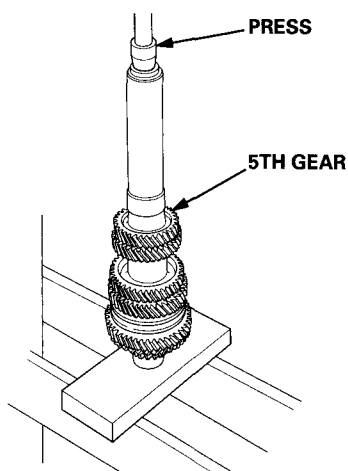


2. Install 4th gear using a press.

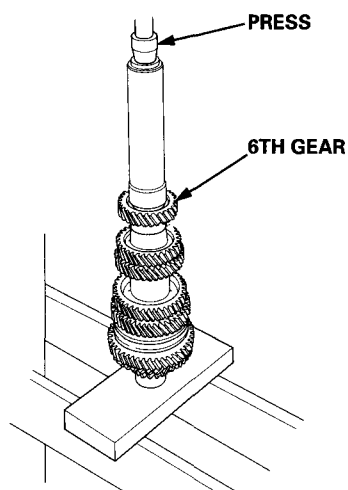




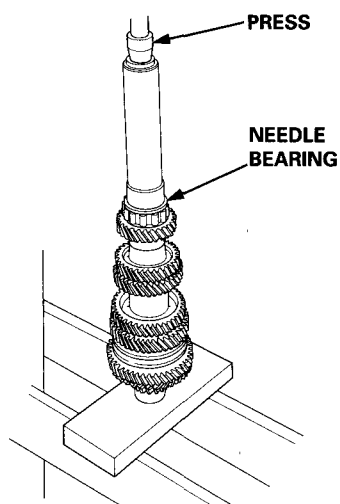
3. Install 5th gear using a press.



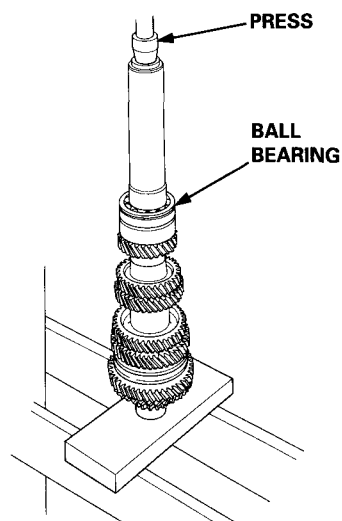
4. Install 6th gear using a press.



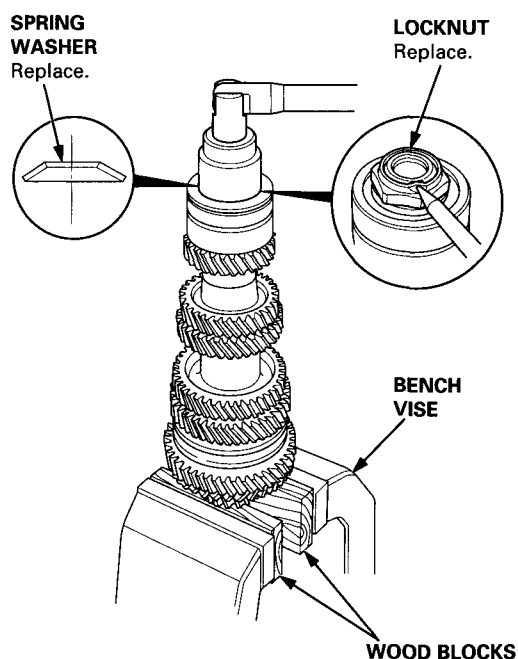
5. Install the needle bearing using a press then install the bearing outer race.



6. Install the ball bearing using a press.



7. Securely clamp the countershaft assembly in a bench vise with wood blocks.



8. Install the spring washer, tighten the locknut, then stake the locknut tab into the groove.

NOTE: The locknut has left-hand threads.

#### LOCKNUT

113 → 0 → 113 N·m

(11.5 → 0 → 11.5 kgf·m, 83 → 0 → 83 lbf·ft)