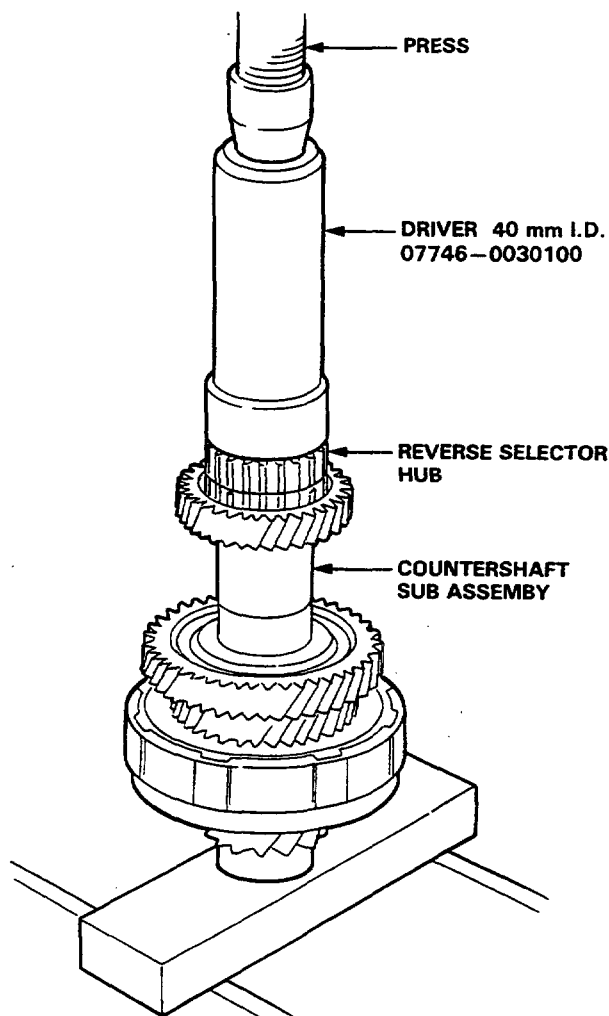


Countershaft

Disassembly/Reassembly (cont'd)

3. Install the reverse selector hub on the countershaft sub assembly, and then press the reverse selector hub using the special tool and a press as shown.



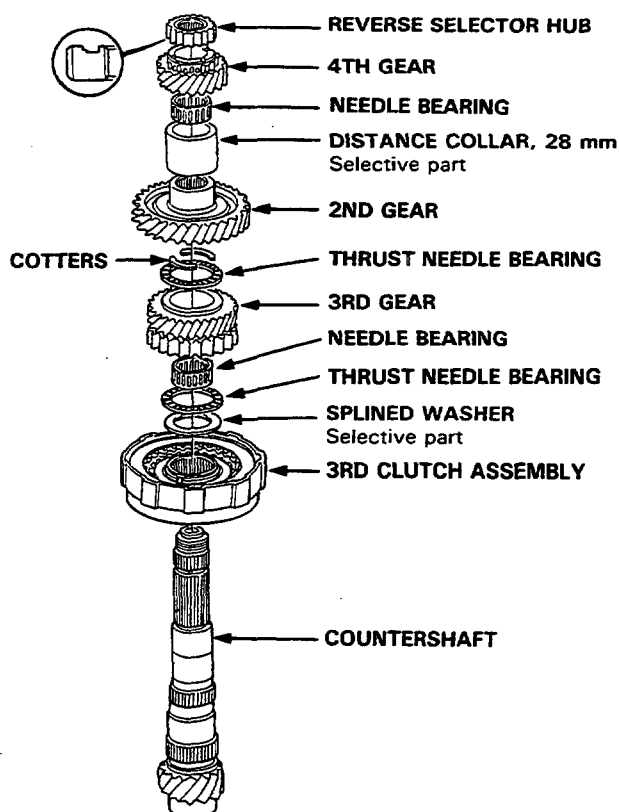
Inspection

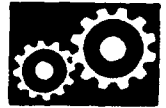
● Clearance Measurement

NOTE: Lubricate all parts with ATF during assembly.

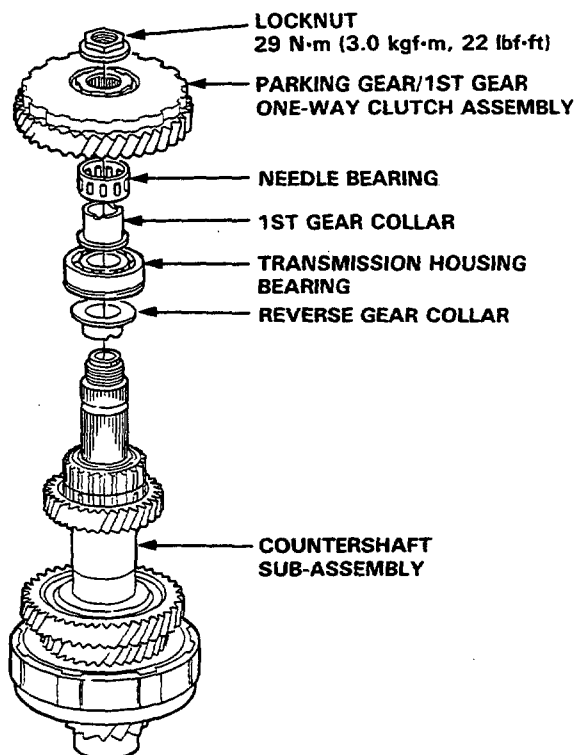
1. Remove the countershaft bearing from the transmission housing (see page 14-112).
2. Install the parts below on the countershaft using the special tool and a press as described on this page.

NOTE: Do not assemble the O-rings while inspecting.





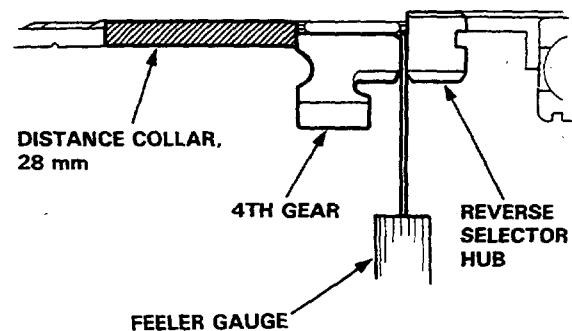
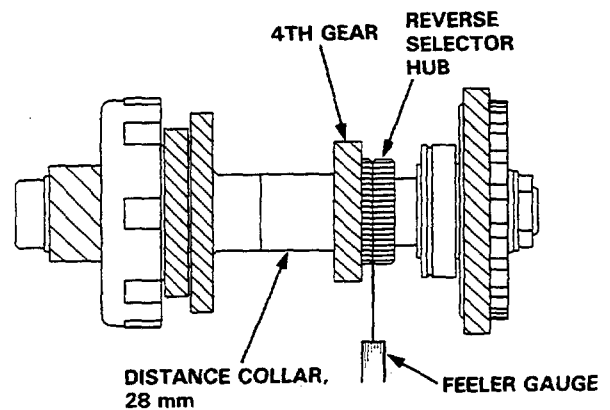
3. Install the parts below on the countershaft sub-assembly, then torque the locknut to 29 N·m (3.0 kgf·m, 22 lbf·ft).



4. Measure the clearance between 4th gear and the reverse selector hub with a feeler gauge.

NOTE: Take measurements in at least three places and take the average as the actual clearance.

STANDARD: 0.05–0.13 mm (0.002–0.005 in)



(cont'd)

Countershaft

Inspection (cont'd)

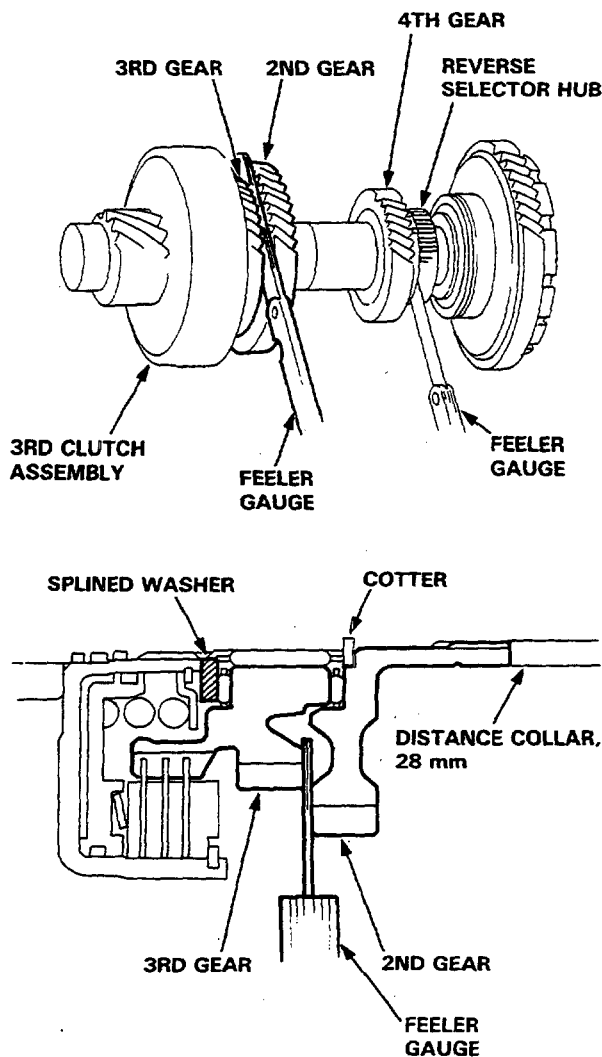
5. Measure the clearance between 3rd gear and 2nd gear using a feeler gauge, while leaving the feeler gauge from step 4 between 4th gear and reverse selector hub.

- 1. Measure the clearance with 3rd gear pushed towards the 3rd clutch.
- 2. Measure the clearance with 3rd gear pushed towards the 2nd gear.

NOTE: Take measurements in at least three places and take the average as the actual clearance.

- 3. Subtract the measurements of step 2 from step 3, and you have the clearance between 3rd gear and 2nd gear.

STANDARD: 0.05–0.13 mm (0.002–0.005 in)



6. If the clearance is out of tolerance, remove the splined washer and/or distance collar and measure the thickness and/or the width.

7. Select and install a new distance collar, then recheck.

DISTANCE COLLAR 28 mm

No.	Part Number	Thickness
1	90503-PC9-000	39.00 mm (1.535 in)
2	90504-PC9-000	39.10 mm (1.539 in)
3	90505-PC9-000	39.20 mm (1.543 in)
4	90507-PC9-000	39.30 mm (1.547 in)
5	90508-PC9-000	39.05 mm (1.537 in)
6	90509-PC9-000	39.15 mm (1.541 in)
7	90510-PC9-000	39.25 mm (1.545 in)
8	90511-PC9-000	38.90 mm (1.531 in)
9	90512-PC9-000	38.95 mm (1.533 in)

8. After replacing the distance collar, make sure the clearance is within tolerance.

9. Select and install a new splined washer, then recheck.

SPLINED WASHER 35 x 52 mm

No.	Part Number	Thickness
1	90411-PF4-000	3.00 mm (0.118 in)
2	90412-PF4-000	3.05 mm (0.120 in)
3	90413-PF4-000	3.10 mm (0.122 in)
4	90414-PF4-000	3.15 mm (0.124 in)
5	90415-PF4-000	3.20 mm (0.126 in)
6	90416-PF4-000	3.25 mm (0.128 in)
7	90417-PF4-000	3.30 mm (0.130 in)
8	90418-PF4-000	3.35 mm (0.132 in)
9	90419-PF4-000	3.40 mm (0.134 in)
10	90411-P24-J00	3.45 mm (0.136 in)
11	90412-P24-J00	3.50 mm (0.138 in)
12	90413-P24-J00	3.55 mm (0.140 in)
13	90414-P24-J00	3.60 mm (0.142 in)

10. After replacing the splined washer, make sure the clearance is within tolerance.