

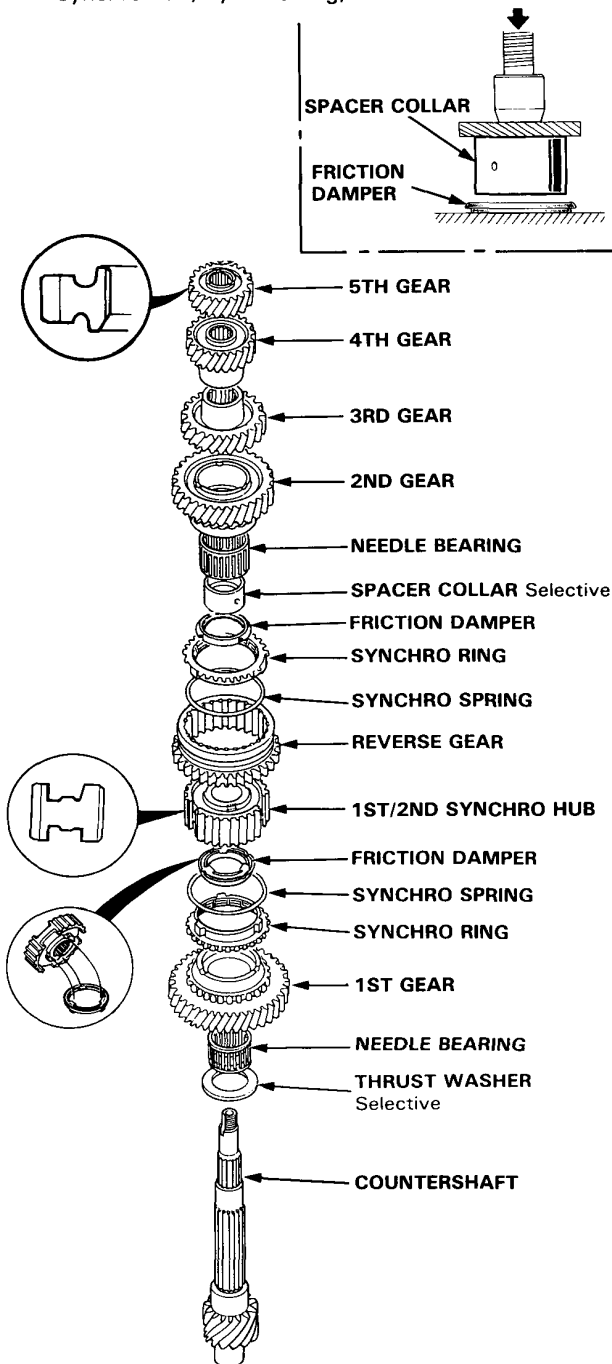


Countershaft

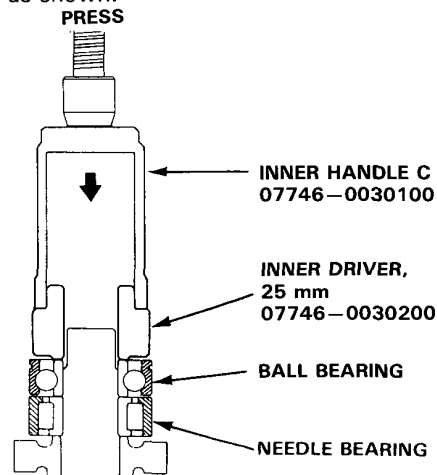
Clearance Inspection

NOTE: Two types of 36 x 44 x 29 mm collars and five types of thrust washers for 1st gear are available for the adjustment of the clearance between the gears on the countershaft (page 8-10).

1. Assemble the gears, spacer collars, thrust washer, synchro hub, synchro ring, etc. as shown below.



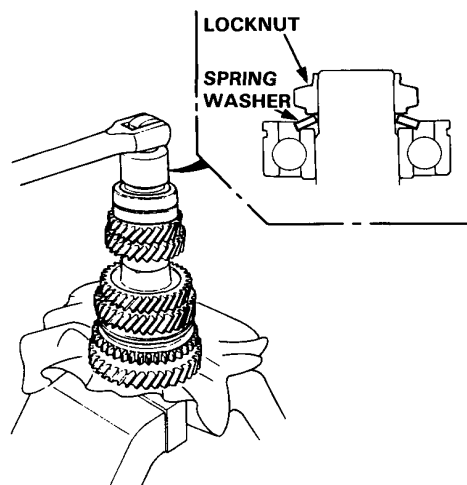
2. Install the needle bearing.
3. Install the ball bearing using the special tool and a press as shown.



4. Install the spring washer.
5. Tighten the locknut, then stake the locknut tab into groove.

NOTE: Place the shaft in a vice with soft jaws.

130 → 0 → 130 N·m (13.0 → 0 → 13.0 kg-m,
94 → 0 → 94 lb-ft)



(cont'd)

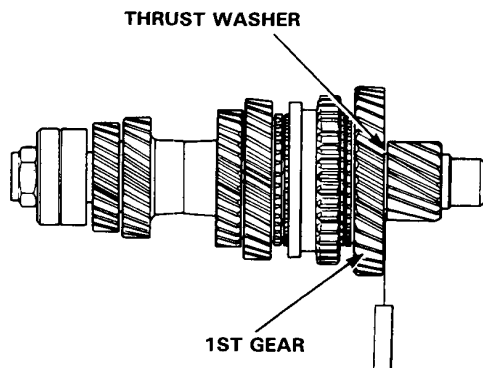
Countershaft

Clearance Inspection (cont'd)

6. Measure and record the clearance between the 1st gear and thrust washer.

Standard: 0.04–0.10 mm
(0.0016–0.0039 in)

Service Limit: 0.18 mm (0.0070 in)



7. If the clearance is out of tolerance, select the appropriate thrust washer for the correct clearance from the charts.

THRUST WASHER

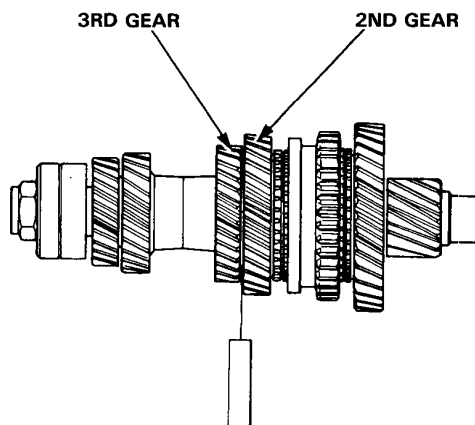
	PART NUMBER	THICKNESS
A	23921-PG1-000	1.96 mm (0.0771 in)
B	23922-PG1-000	1.99 mm (0.0783 in)
C	23923-PG1-000	2.02 mm (0.0795 in)
D	23924-PG1-000	2.05 mm (0.0807 in)
E	23925-PG1-000	2.08 mm (0.0819 in)

8. Replace 1st gear if its thickness is less than the service limit.

9. Measure the clearance between the 2nd gear and 3rd gear.

Standard: 0.04–0.10 mm
(0.0016–0.0039 in)

Service Limit: 0.18 mm (0.0070 in)



10. If the clearance is out of tolerance, select the appropriate spacer collar for the correct clearance from the charts.

SPACER COLLAR

	PART NUMBER	THICKNESS
A	23917-P21-010	29.02–29.04 mm (1.1425–1.1433 in)
B	23918-P21-010	29.07–29.09 mm (1.1445–1.1453 in)

11. Replace 2nd gear if its thickness is less than the service limit.

12. Stake the locknut tab in the groove.