



Countershaft

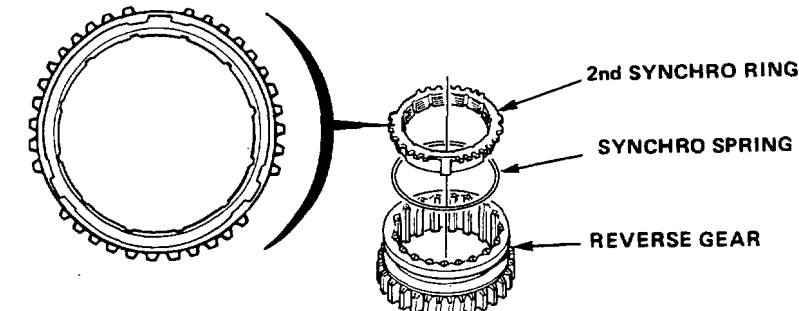
Clearance Inspection

NOTE: Five types of 36 x 44 x 29 mm collars and sixteen types of thrust washers for 1st gear are available for the adjustment of the clearance between the gears on the countershaft.

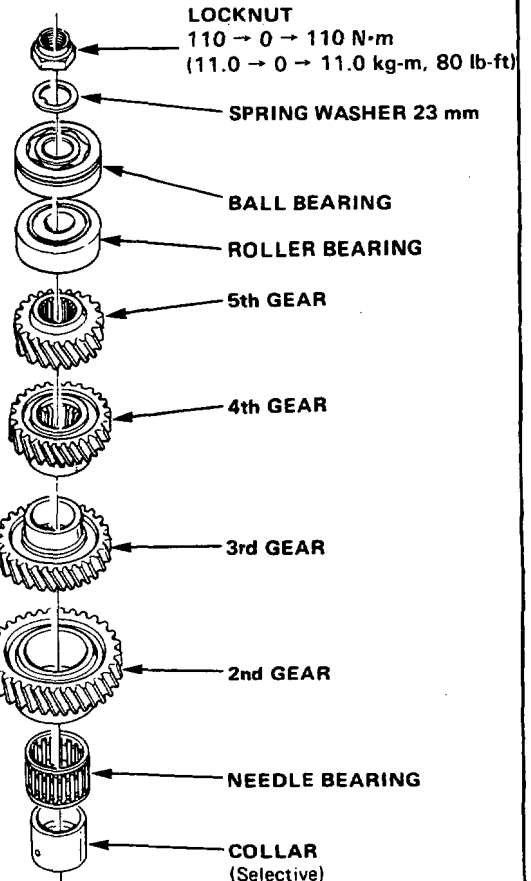
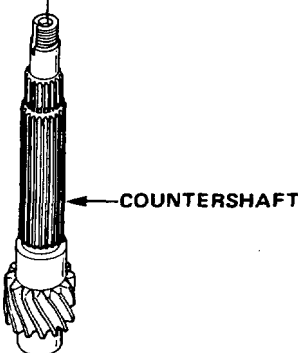
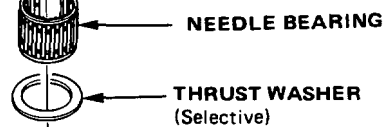
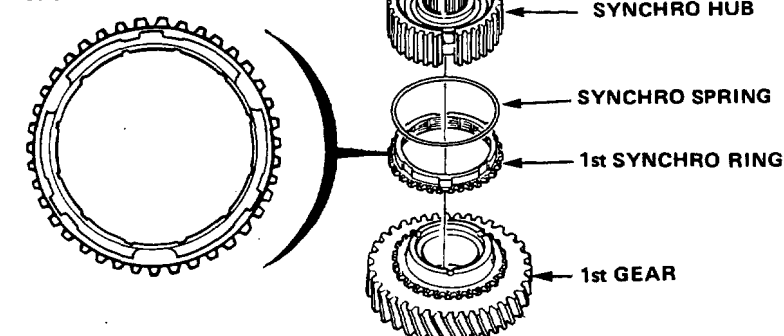
1. Assemble the gears, spacer collars, thrust washer, synchro hub, synchro ring, etc. as shown below.

CAUTION: Locknut has left-hand threads.

2nd SYNCHRO RING



1st SYNCHRO RING



Thrust Washer

P/N	THICKNESS
23921-PK5-900	1.95 mm (0.0768 in)
23922-PK5-900	1.96 mm (0.0772 in)
23923-PK5-900	1.97 mm (0.0776 in)
23924-PK5-900	1.98 mm (0.0780 in)
23925-PK5-900	1.99 mm (0.0783 in)
23926-PK5-900	2.00 mm (0.0787 in)
23927-PK5-900	2.01 mm (0.0791 in)
23928-PK5-900	2.02 mm (0.0795 in)
23929-PK5-900	2.03 mm (0.0799 in)
23930-PK5-900	2.04 mm (0.0803 in)
23931-PK5-900	2.05 mm (0.0807 in)
23932-PK5-900	2.06 mm (0.0811 in)
23933-PK5-900	2.07 mm (0.0815 in)
23934-PK5-900	2.08 mm (0.0819 in)
23935-PK5-900	2.09 mm (0.0823 in)
23936-PK5-900	2.10 mm (0.0827 in)

(cont'd)

Collar

P/N	THICKNESS
23911-PG2-000	29.03-29.05 mm (1.1429-1.1437 in)
23912-PG2-000	29.01-29.03 mm (1.1421-1.1429 in)
23913-PG2-000	28.99-29.01 mm (1.1413-1.1421 in)
23914-PG2-000	28.97-28.99 mm (1.1405-1.1413 in)
23915-PG2-000	28.95-28.97 mm (1.1398-1.1405 in)

Countershaft

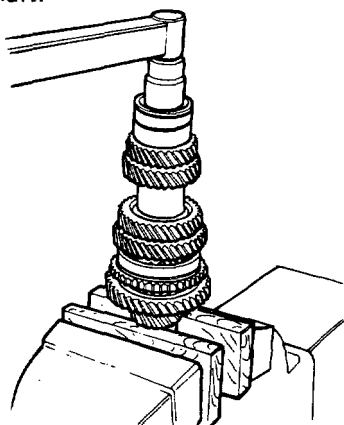
Clearance Inspection (cont'd)

2. Torque countershaft locknut.
Tighten to specified torque, then loosen and re-tighten to same torque.

110 N·m (11.0 kg-m, 80 lb-ft) → 0 → 110 N·m
(11.0 kg-m, 80 lb-ft)

CAUTION: The countershaft locknut has left-hand threads.

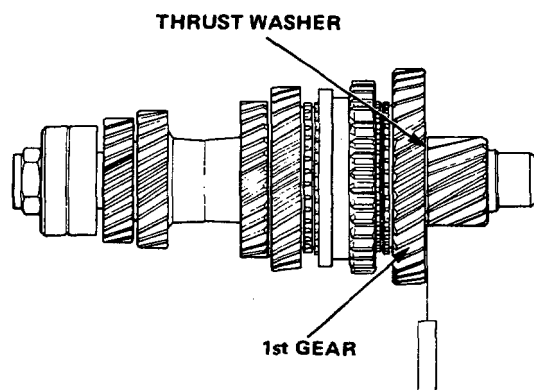
NOTE: Put pieces of wood between the vise and the mainshaft.



3. Measure the clearance between 1st gear and the thrust washer.

Standard: 0.04–0.06 mm
(0.0016–0.0024 in.)

Service Limit: 0.18 mm
(0.007 in.)

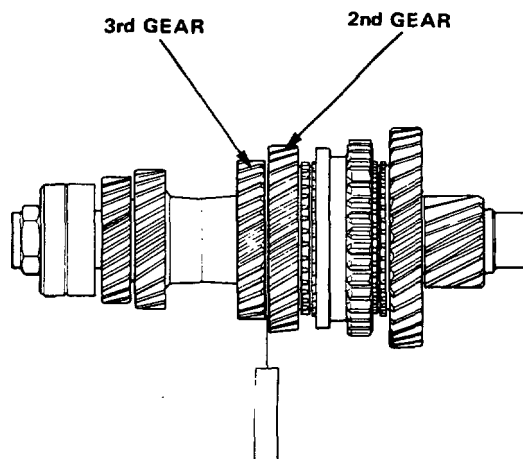


4. If the clearance is out of tolerance, select the appropriate thrust washer or spacer collar for the correct clearance from the charts on page 8-5.

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

Standard: 0.03–0.06 mm
(0.0012–0.0024 in.)

Service Limit: 0.18 mm
(0.007 in.)



6. If the clearance is out of tolerance, select the appropriate thrust washer or spacer collar for the correct clearance from the charts on page 8-5.