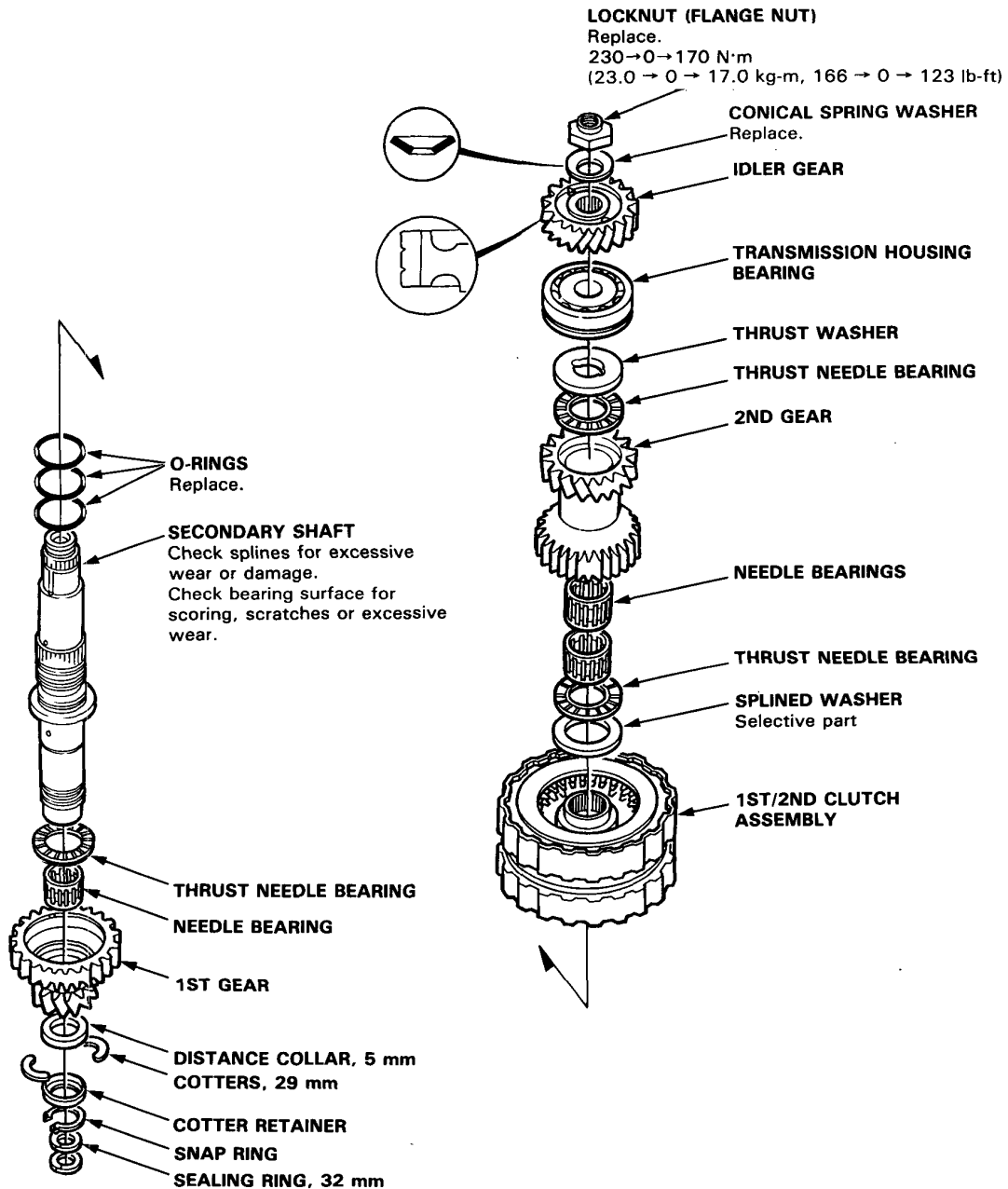


Secondary Shaft

Disassembly/Inspection/Reassembly

NOTE:

- Lubricate all parts with ATF during reassembly.
- Install thrust needle bearings with unrolled edge of bearing retainer facing washer.
- Inspect thrust needle and needle bearings for galling and rough movement.
- Before installing the O-ring, wrap the shaft splines with tape to prevent damage to the O-rings.



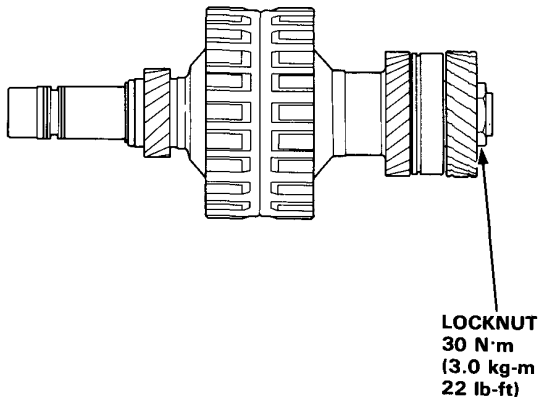


Inspection

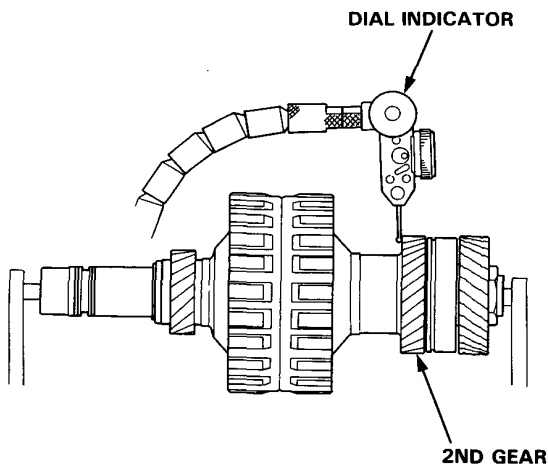
• Clearance Measurement

NOTE: Lubricate all parts with ATF during assembly.

1. Remove the secondary shaft bearing from the transmission housing (see page 9-116).
2. Assemble the secondary shaft assembly without O-rings, then torque the secondary shaft locknut to 30 N·m (3.0 kg·m, 22 lb-ft).



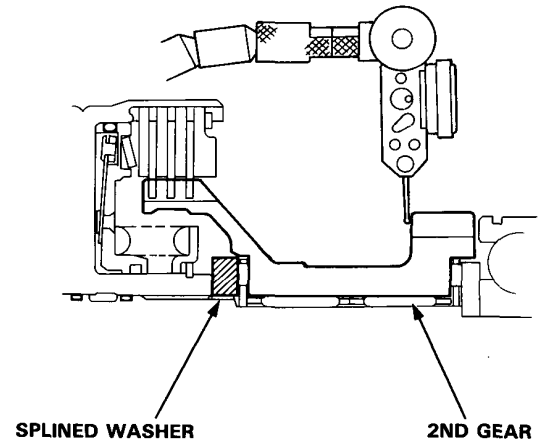
3. Attach the dial indicator to the secondary shaft 2nd gear as shown.



4. Measure the 2nd gear axial clearance moving the 2nd gear.

STANDARD: 0.07–0.15 mm (0.003–0.006 in)

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



5. If the clearance is out of tolerance, remove the splined washer and measure the thickness.

SPLINED WASHER

No	Part Number	Thickness
1	90406-PX4-700	4.05 mm (0.159 in)
2	90407-PX4-700	4.10 mm (0.161 in)
3	90408-PX4-700	4.15 mm (0.163 in)
4	90409-PX4-700	4.20 mm (0.165 in)
5	90410-PX4-700	4.25 mm (0.167 in)
6	90411-PX4-700	4.30 mm (0.169 in)
7	90412-PX4-700	4.35 mm (0.171 in)
8	90413-PX4-700	4.40 mm (0.173 in)
9	90414-PX4-700	4.45 mm (0.175 in)

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