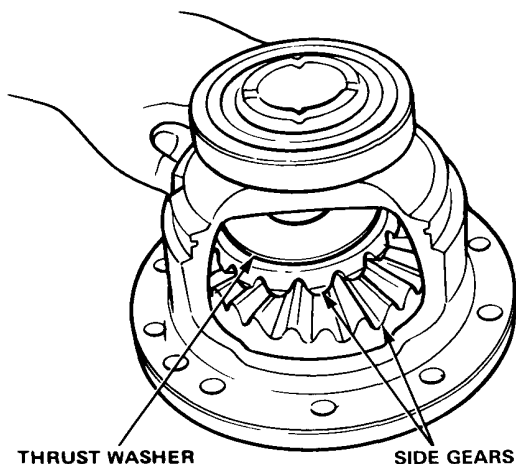




Reassembly

1. Install the side gears in differential carrier.
2. Install a thrust washer between each side gear and carrier.

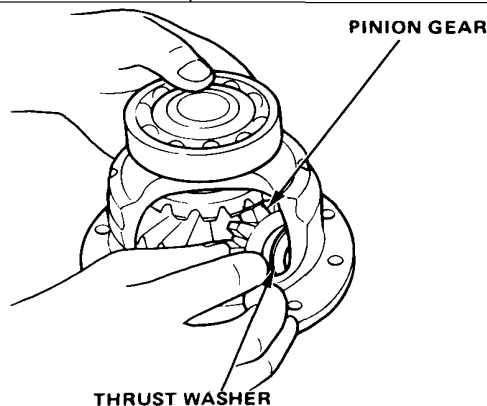
CAUTION: Coat all gears with molybdenum disulfide grease on all sides.



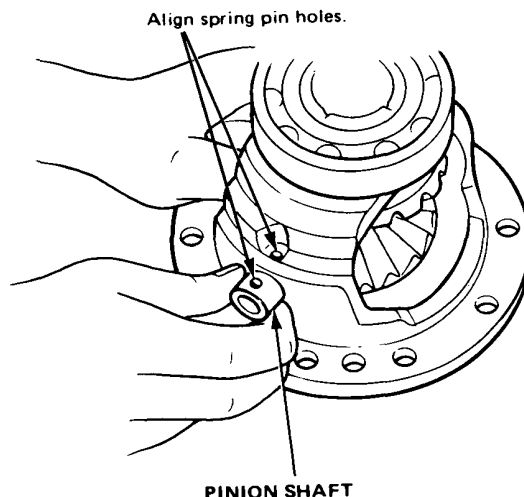
3. Set pinion gears in place exactly opposite each other in mesh with side gears, then install a thrust washer behind each one. Washers must be of equal thickness.

Thrust Washers

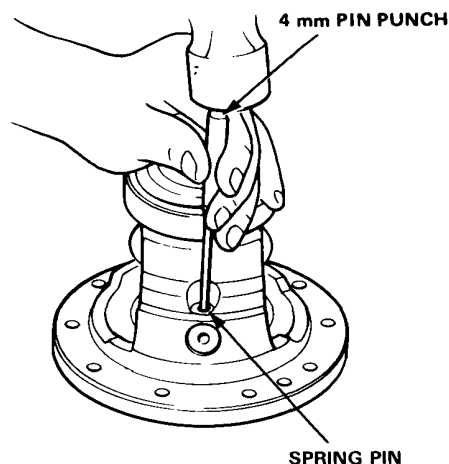
PART NUMBER	THICKNESS
41351-689-000	0.7 mm (0.028 in.)
41352-689-000	0.8 mm (0.031 in.)
41353-689-000	0.9 mm (0.035 in.)
41354-689-000	1.0 mm (0.039 in.)
41355-PC8-000	0.75 mm (0.030 in.)
41356-PC8-000	0.85 mm (0.033 in.)
41357-PC8-000	0.95 mm (0.037 in.)



4. Rotate gears as shown until shaft holes in pinion gears line up with shaft holes in carrier.
5. Insert pinion shaft and align spring pin holes.



6. Drive in a new spring pin with pin punch.



7. Check backlash of both pinion gears again.

Standard (New): 0.05–0.15 mm (0.002–0.006 in.)

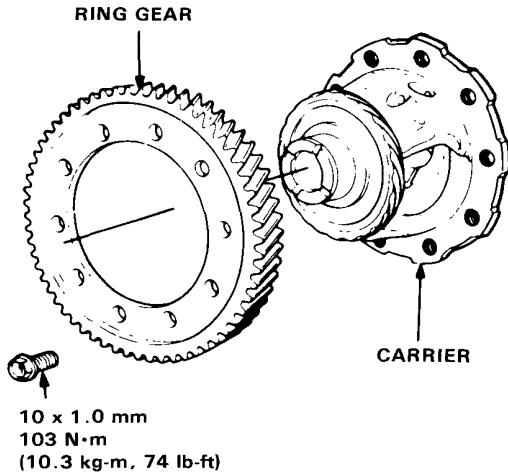
- If still out of tolerance, replace both pinion gears, then recheck backlash.
- If still out of tolerance, replace side gears, and re-check backlash.
- If still out of tolerance, replace carrier assembly.

(cont'd)

Differential

Reassembly (cont'd)

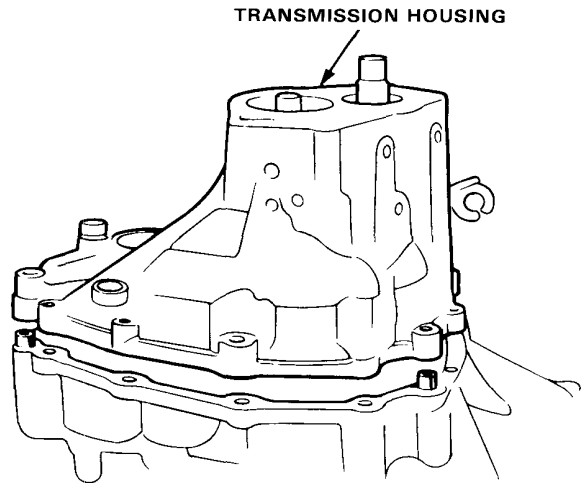
8. Install the ring gear with the chamfer on inside diameter facing the carrier.



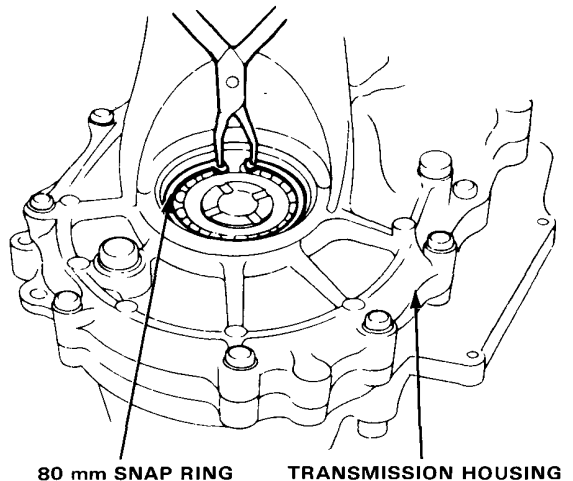
CAUTION: Ring gear bolts have left-hand threads.

Installation

1. Install differential assembly and all transmission gear assemblies in clutch housing. Refer to page 14-28.
2. Install dowel pins in clutch housing then carefully lower the transmission housing into place.



3. Install 80 mm snap ring in transmission housing.



Side Clearance Measurement

NOTE: If clutch housing, transmission housing, differential carrier, or differential bearings were replaced, the differential side clearance must be measured.