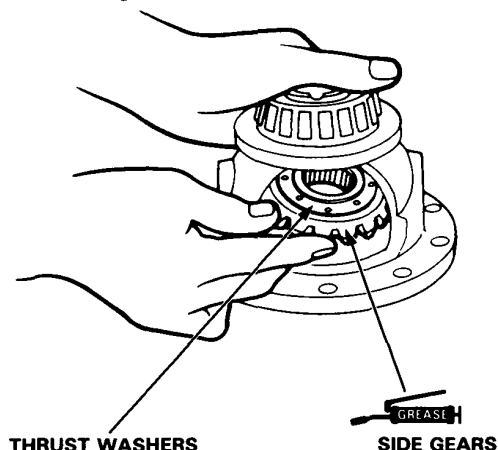


# Differential

## Reassembly

1. Install the side gears with thrust washers in differential carrier.

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

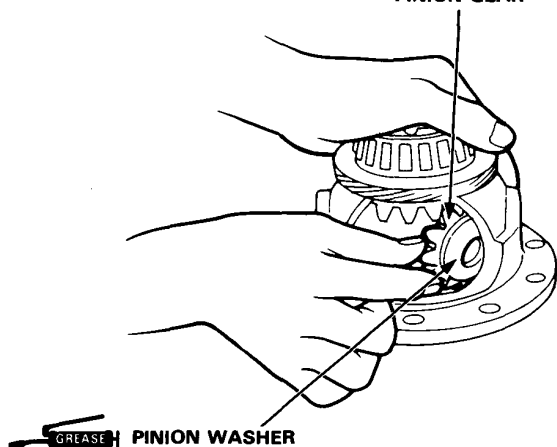


2. Set pinion gears in place exactly opposite each other in mesh with side gears, then install a pinion washer behind each one. Washers must be of equal thickness.

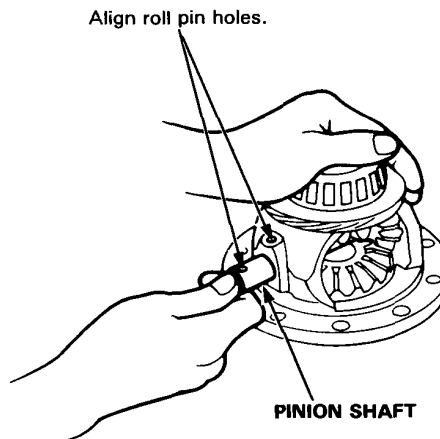
### Pinion Washers

PART NUMBER	THICKNESS
41351-PG1-000	0.7 mm (0.028 in)
41352-PG1-000	0.75 mm (0.030 in)
41353-PG1-000	0.8 mm (0.031 in)
41354-PG1-000	0.85 mm (0.033 in)
41355-PG1-000	0.9 mm (0.035 in)
41356-PG1-000	0.95 mm (0.037 in)
41357-PG1-000	1.0 mm (0.039 in)
41358-PG1-000	1.05 mm (0.041 in)

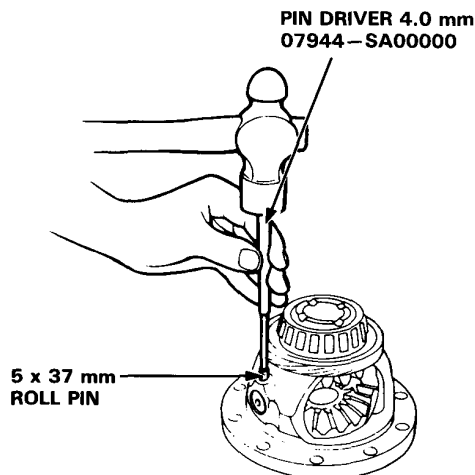
### PINION GEAR



3. Rotate gears as shown until shaft holes in pinion gears line up with shaft holes in carrier.
4. Insert pinion shaft and align roll pin hole in one end with matching hole in carrier.



5. Drive in the 5 x 37 mm roll pin with a pin Driver.



6. Check backlash of both pinion gears again.

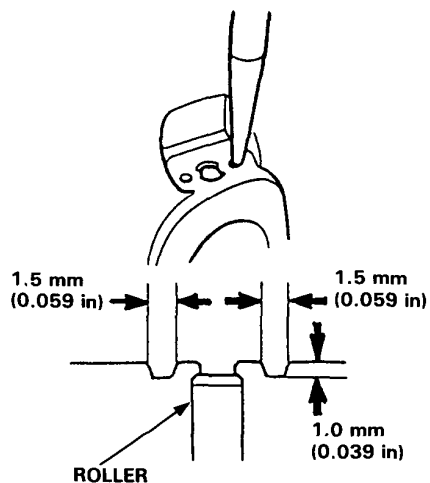
**Standard (New): 0.05–0.15 mm  
(0.002–0.006 in.)**

- If still out of tolerance, replace thrust washers, then recheck backlash.
- If still out of tolerance, replace side and pinion gears, and recheck backlash.
- If still out of tolerance, replace carrier assembly.

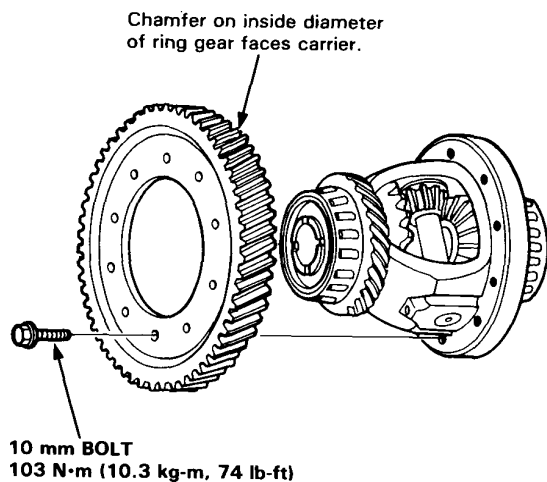
**NOTE:** If the carrier assembly was replaced, the bearing preload must be adjusted (page 8-23).



7. Stake the differential carrier at two points.



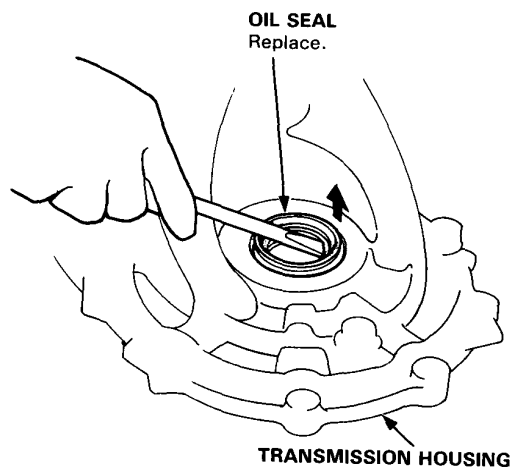
8. Install the ring gear. Torque bolts to 103 N·m (10.3 kg-m, 74 lb-ft).



**CAUTION:** Ring gear bolts have left-hand threads.

## Oil Seal Removal

1. Remove the differential assembly.
2. Remove the oil seal from the transmission housing.



3. Remove the oil seal from the clutch housing.

