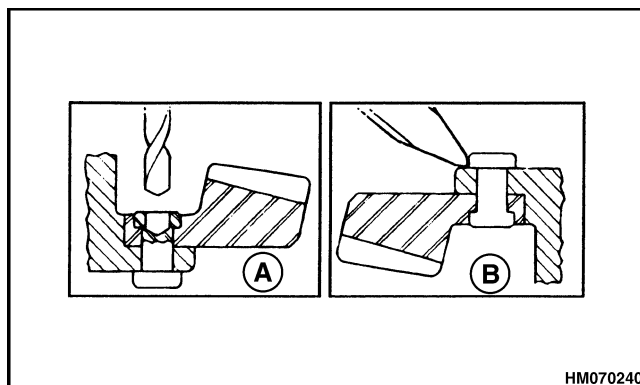


1. THRUST WASHER
2. SIDE GEAR
3. SPIDER, PINIONS, AND THRUST WASHERS

Figure 14. Ring Gear Disassembly

- b. Drill each rivet head on the ring gear side of the assembly to a depth equal to the thickness of one rivet head. Use a drill bit that is 1/32 of an inch smaller than the body diameter of the rivets. See Figure 15.



- A. CORRECT DRILLING RIVETS FROM HEAD
- B. WRONG CHISELING RIVETS FROM HEAD

Figure 15. Rivet Removal

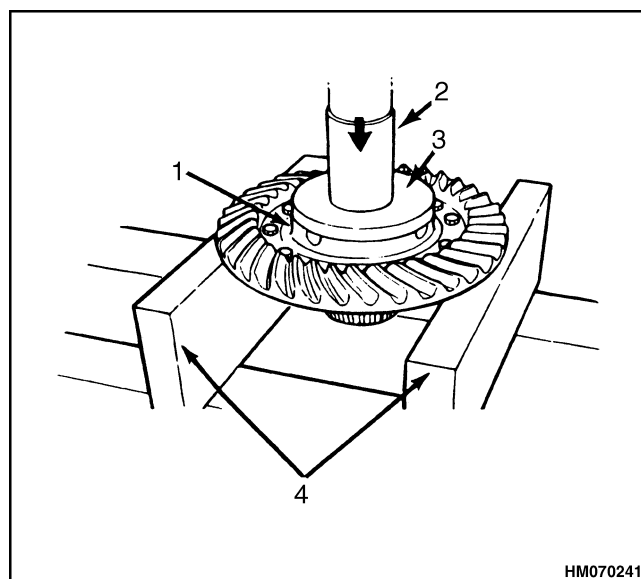
- c. Press the rivets through holes in the ring gear and flange case half. Press from the drilled rivet head.



WARNING

Observe all warnings and cautions provided by the press manufacturer to avoid damage to components and serious personal injury.

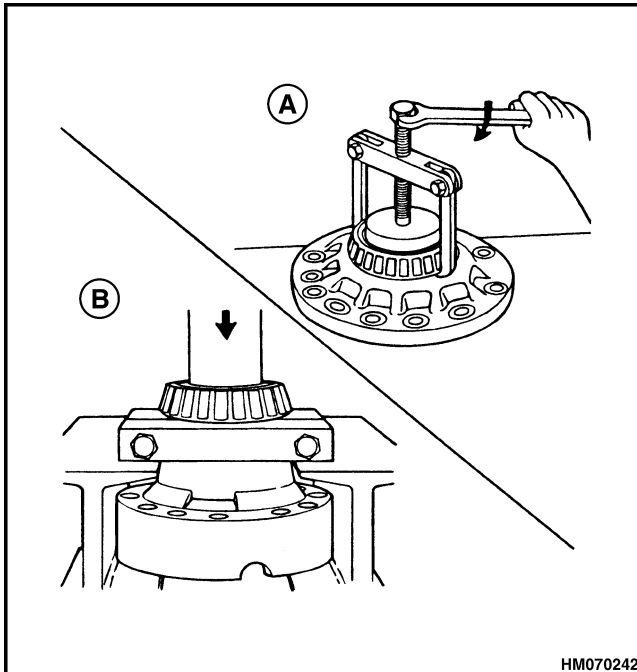
5. Separate the case half and ring gear using a press. Support the assembly under the ring gear with metal or wood blocks and press the case half through the gear. See Figure 16.



1. CASE HALF
2. PRESS
3. PLATE
4. SUPPORTS

Figure 16. Case Half and Ring Gear Separation

6. If the differential bearings need to be replaced, remove the bearing cones from the case halves. Use a bearing puller or press. See Figure 17.



A. PULLER

B. PRESS

Figure 17. Differential Bearings Replacement

Drive Pinion and Pinion Carrier, Disassemble



WARNING

Observe all warnings and cautions provided by the press manufacturer to avoid damage to components and serious personal injury.

NOTE: Some of the parts described below are not found on some differential carrier models. See Figure 1.

1. Place drive pinion and pinion carrier in a press. The pinion shaft must be toward the top of the assembly. Add supports for the pinion carrier under the flange area. See Figure 18.
2. Press the drive pinion through the pinion carrier. See Figure 18.

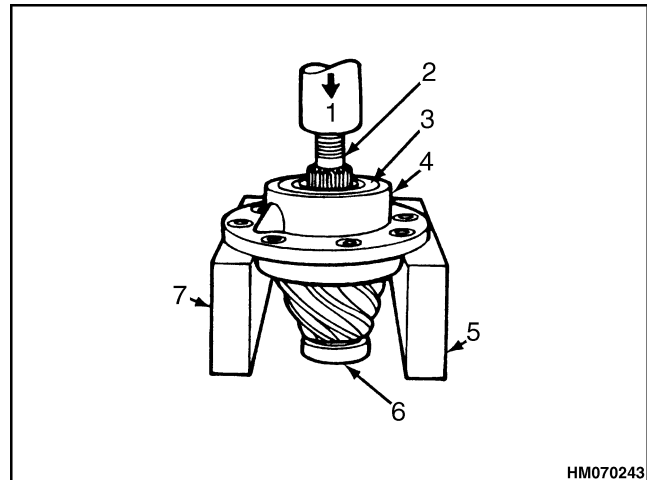


WARNING

Use a brass or leather mallet for assembly and disassembly procedures. Do not hit steel parts with a steel hammer. Pieces of a part can break off and cause serious personal injury.

NOTE: The inner bearing cone and bearing spacer will remain on the pinion shaft. See Figure 19.

3. If a press is not available, use a leather, plastic or rubber mallet to drive the pinion through the pinion carrier.



- | | |
|-------------------|-------------------|
| 1. PRESS | 5. SUPPORT |
| 2. DRIVE PINION | 6. SPIGOT BEARING |
| 3. OIL SEAL | 7. FLANGE SUPPORT |
| 4. PINION CARRIER | |

Figure 18. Drive Pinion Disassembly

CAUTION

When removing the oil seal, Do not damage the wall of the bore. Damage to the bore wall can result in oil leaks.

NOTE: Always replace the oil seal with a new seal during reassembly.

4. Remove the oil seal from the pinion carrier. See Figure 19.