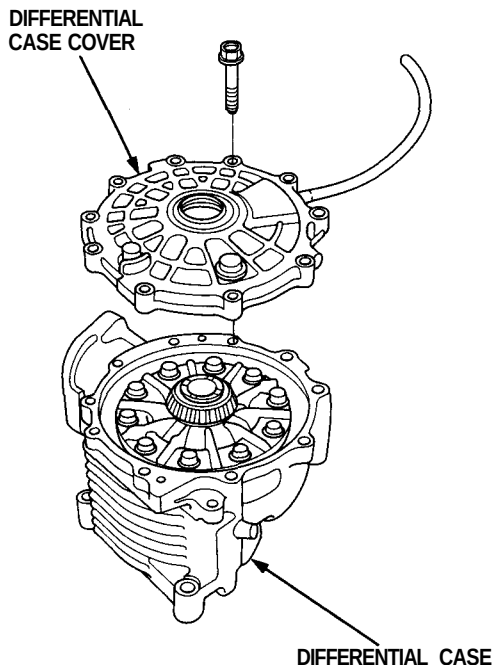


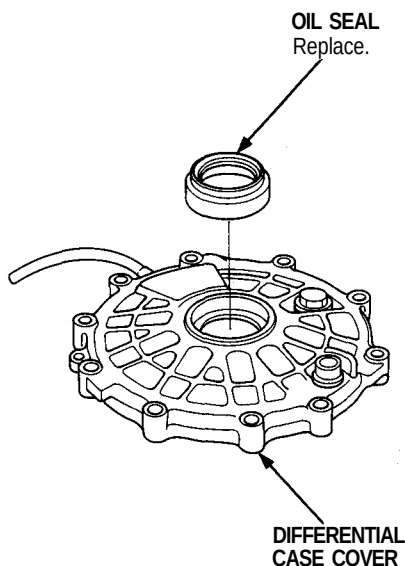
Differential Assembly

Disassembly

1. Remove the bolts in a crisscross pattern, in several steps, then remove the differential case cover.



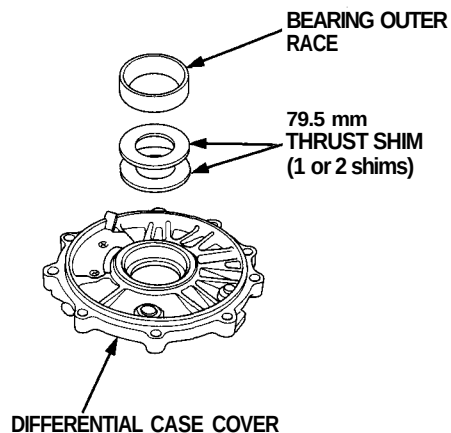
2. Remove the oil seal from the differential case cover.



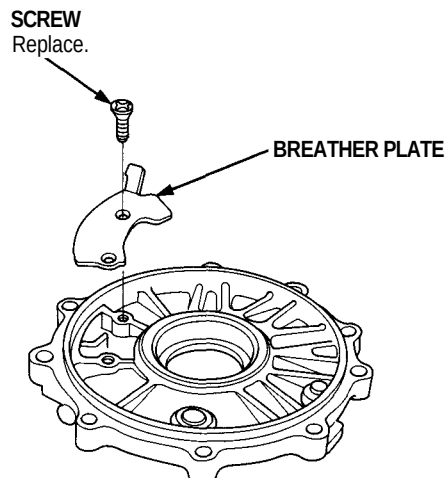
3. Remove the bearing outer race and the 79.5 mm thrust shim(s) from the differential case cover by heating the differential case cover to about 212°F (100°C).

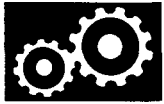
NOTE:

- Do not heat the differential case cover in excess of 212°F (100°C).
- If the bearing outer race was removed by heating, allow the differential case cover to cool to room temperature.
- Replace the tapered roller bearing with a new one whenever the bearing outer race is replaced.

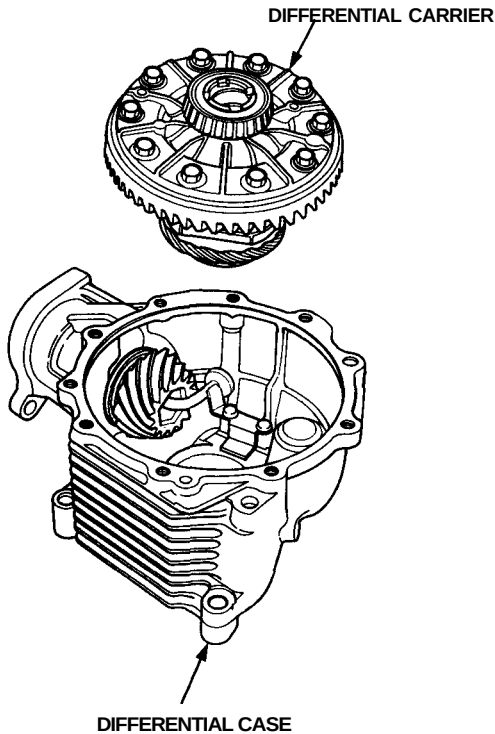


4. Remove the breather plate.

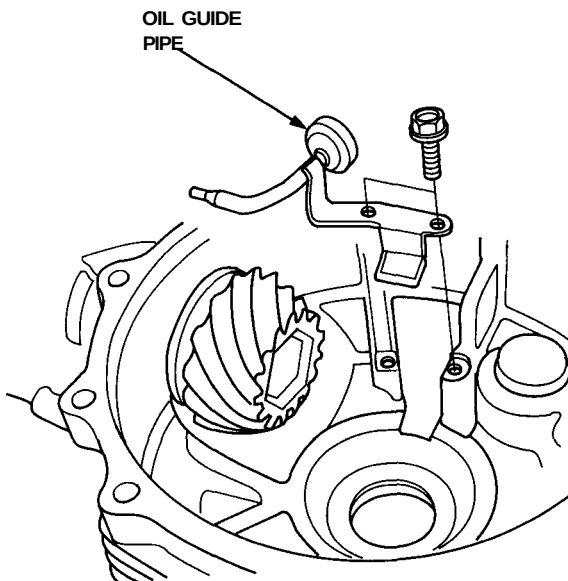




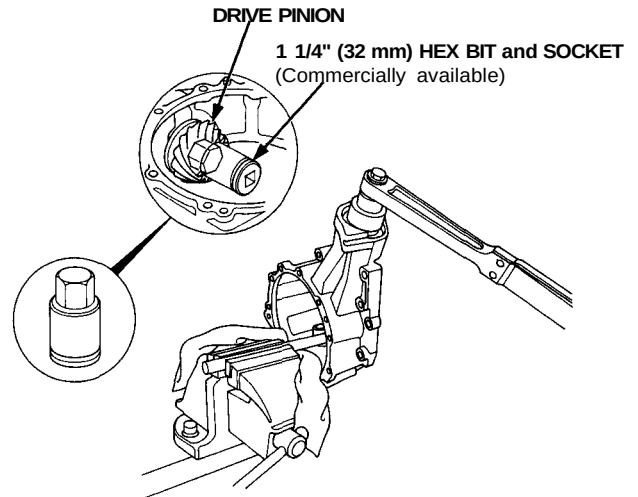
5. Remove the differential carrier from the differential case.



6. Remove the oil guide pipe.

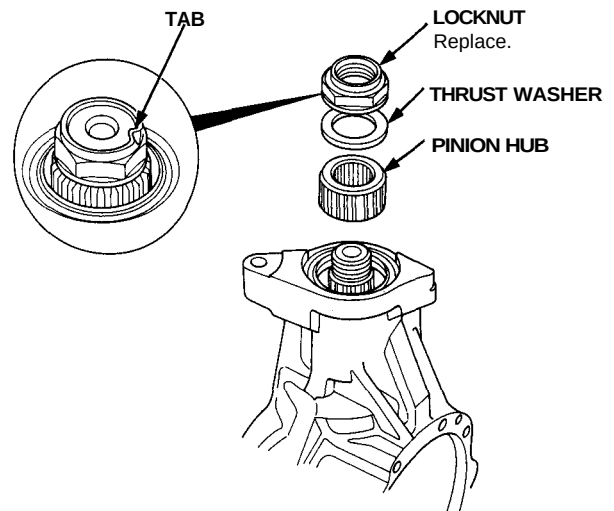


7. Hold the drive pinion with a 1 1/4" (32 mm) hex bit and socket as shown.



8. Raise the locknut tab from the groove of the drive pinion, and remove the locknut, thrust washer and pinion hub.

NOTE: Be sure the tab of the locknut is completely clear of the groove or damage to the threads can occur.

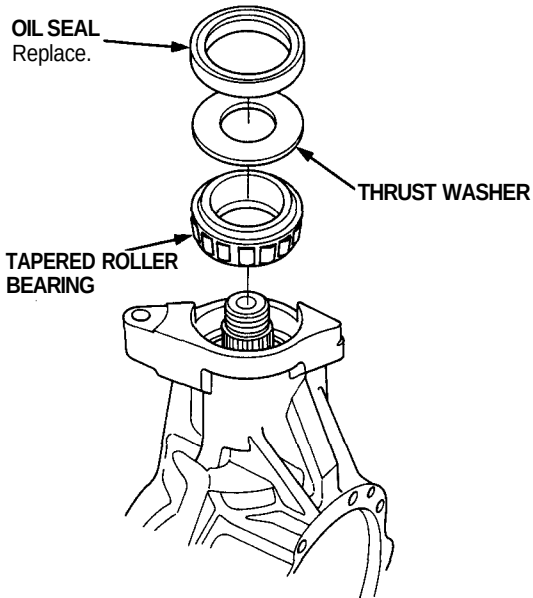


(cont'd)

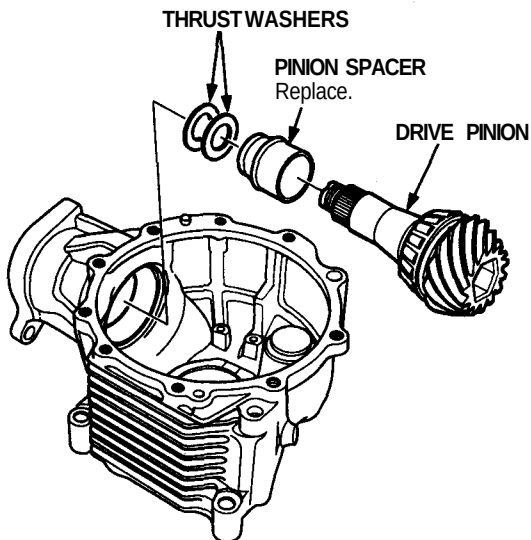
Differential Assembly

Disassembly (cont'd)

9. Remove the oil seal, then remove the thrust washer. Use a plastic hammer to carefully tap the drive pinion out of the tapered roller bearing, then remove the bearing.



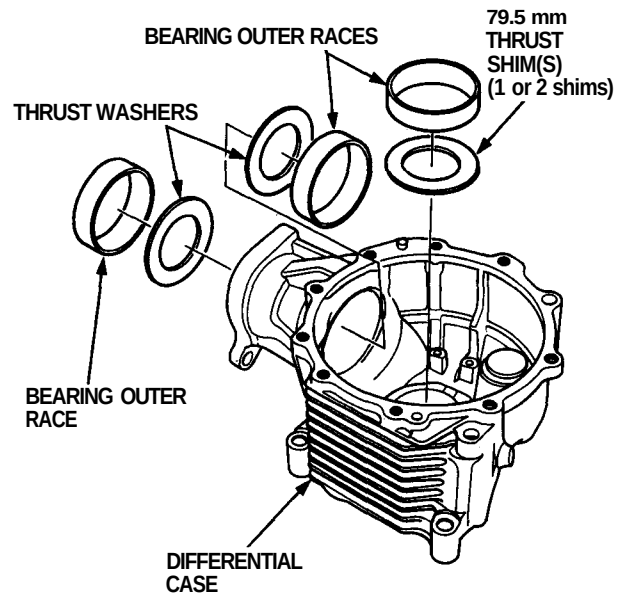
10. Remove the drive pinion, pinion spacer and thrust washers.



11. Remove the bearing outer races, thrust washers and 79.5 mm thrust shims from the differential case by heating the differential case to about 212°F (100°C).

NOTE:

- Do not heat the differential case in excess of 212°F (100°C).
- If the bearing outer race was removed by heating, allow the differential case to cool to room temperature.
- Replace the tapered roller bearing with a new one whenever the bearing outer race is replaced.



12. Remove the tapered roller bearing and 43 mm thrust shim using a press as shown.

