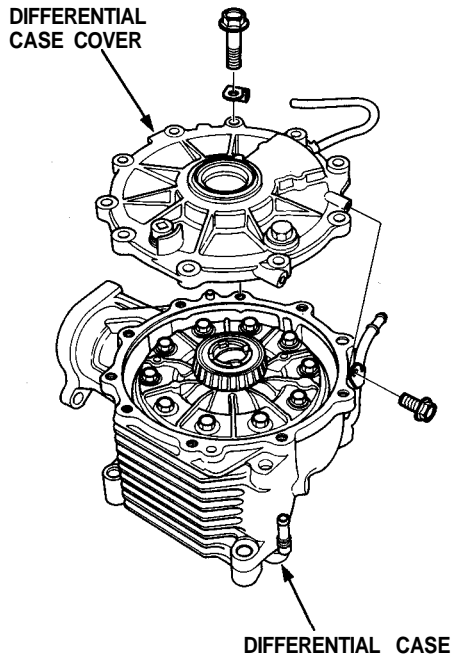


Differential Assembly

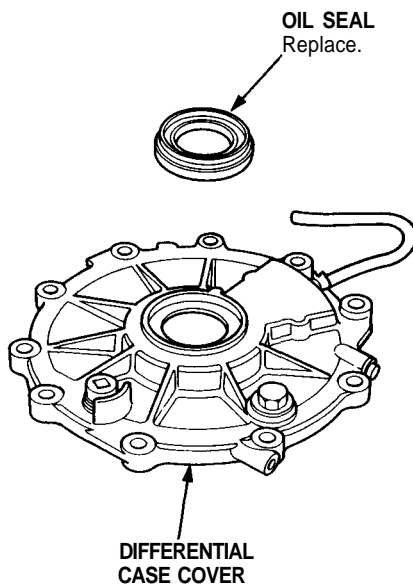
Disassembly

1. Remove the differential case cover.

NOTE: Loosen the bolts in a crisscross pattern in several steps.

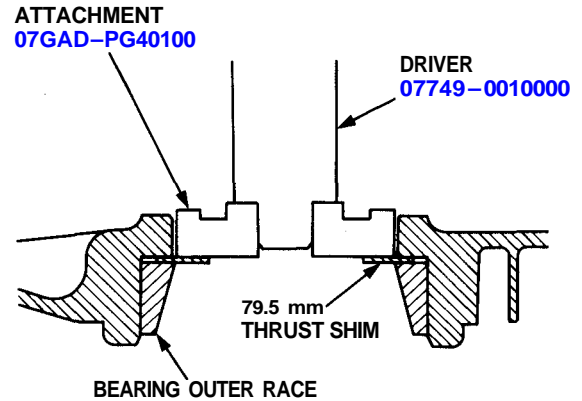


2. Remove the oil seal from the differential case cover.



3. Remove the bearing outer race and 79.5 mm thrust shim(s) as shown.

M/T: Use the special tools.

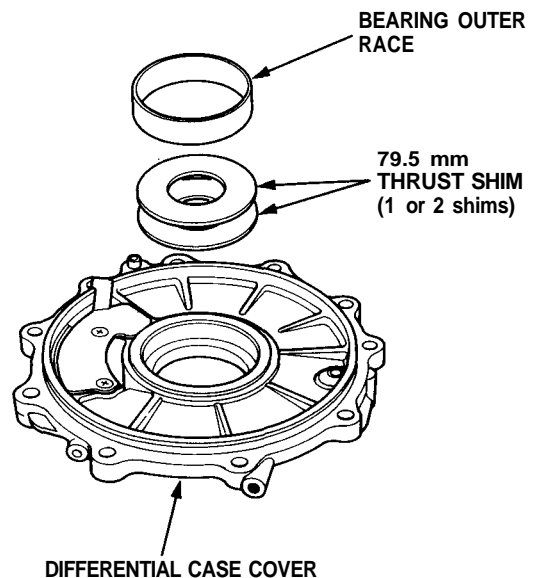


A/T: Pry up on the bearing outer race or heat the differential case cover to about 212°F (100°C).

CAUTION: Do not reuse the 79.5 mm thrust shim if the bearing outer race was pried out.

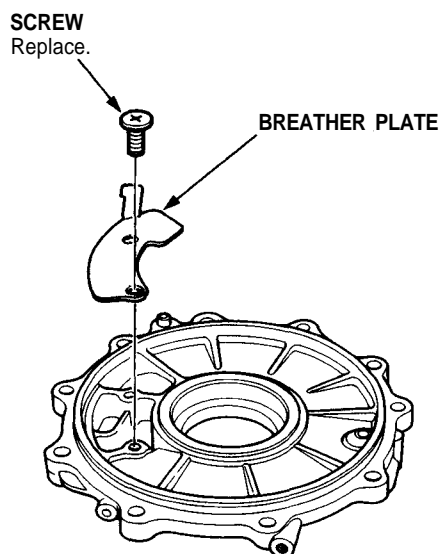
NOTE:

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

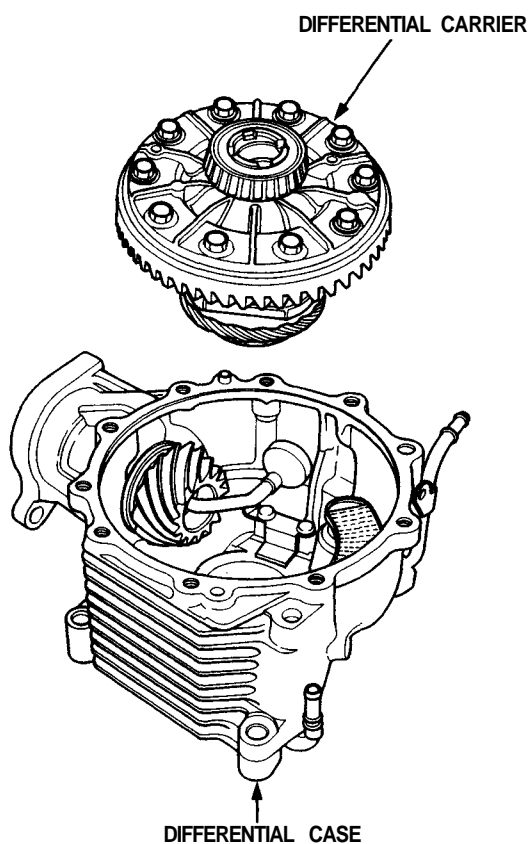




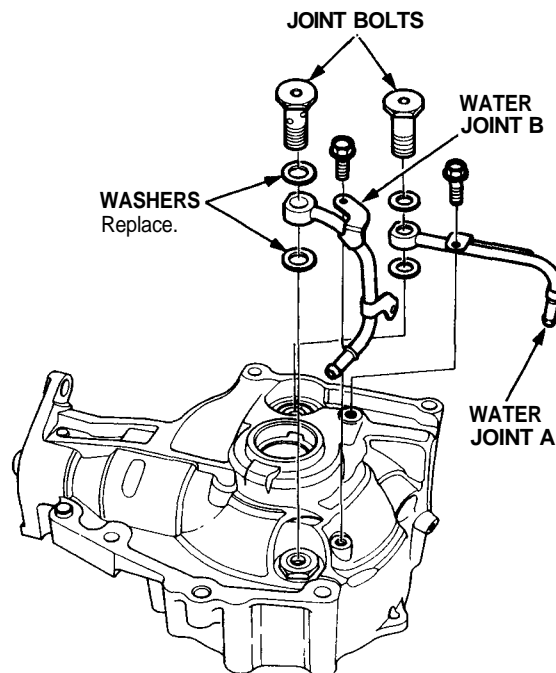
4. Remove the breather plate.



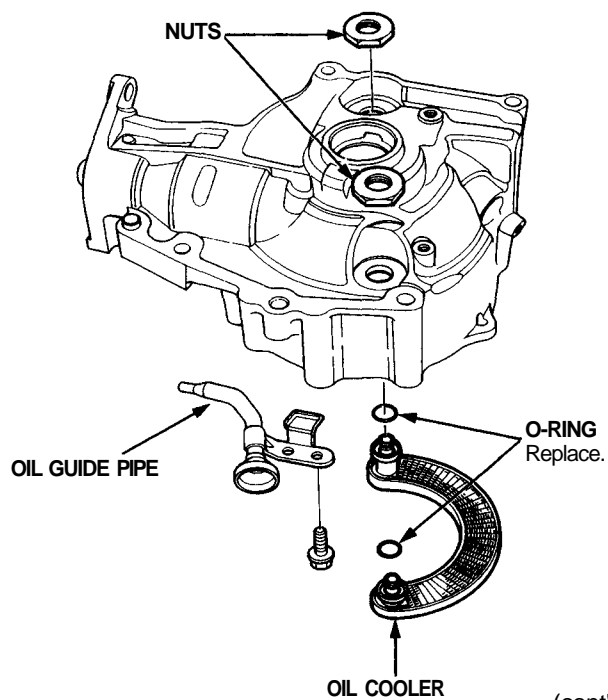
5. Remove the differential carrier from the differential case.



6. Remove the joint bolts, then remove the water joints A and B.



7. Remove the oil cooler and oil guide pipe.

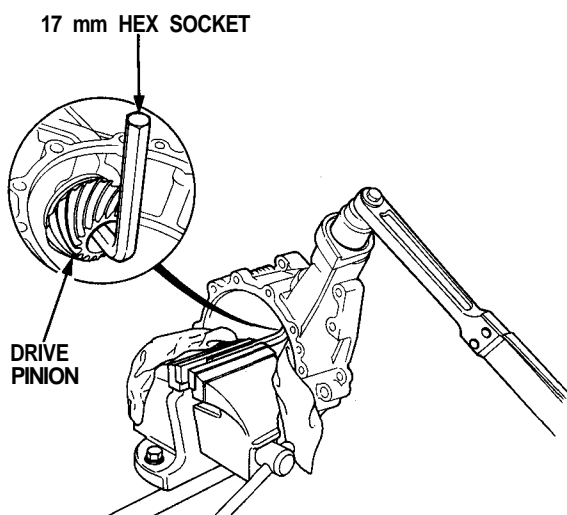


(cont'd)

Differential Assembly

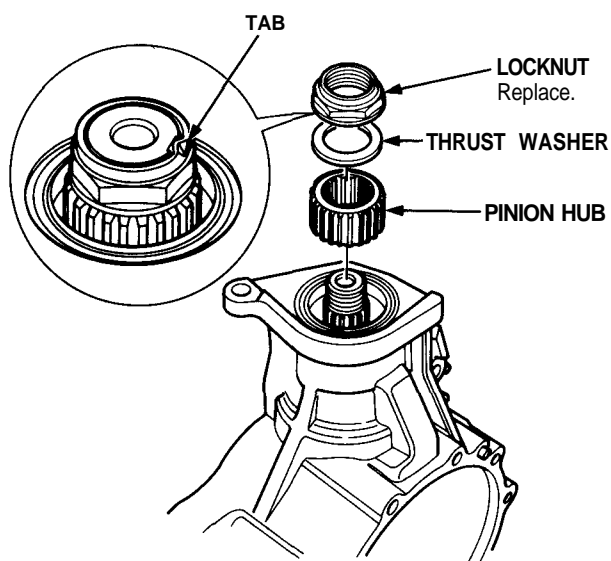
Disassembly (cont'd)

8. Hold the drive pinion using a 17 mm hex wrench and bench vise as shown.

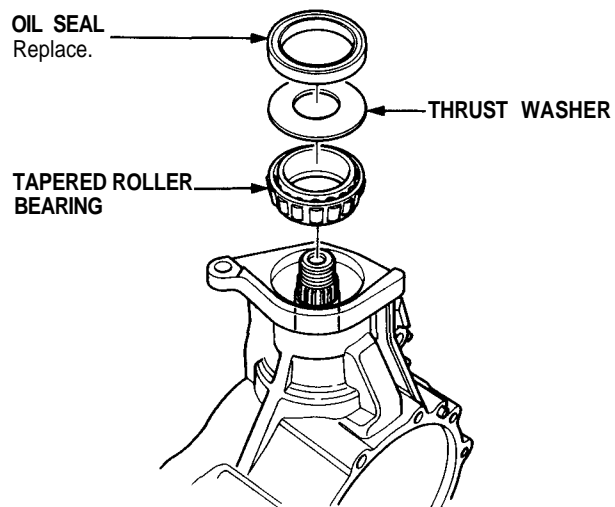


9. Raise the locknut tab from the groove of the drive pinion and remove the locknut, thrust washer and pinion hub.

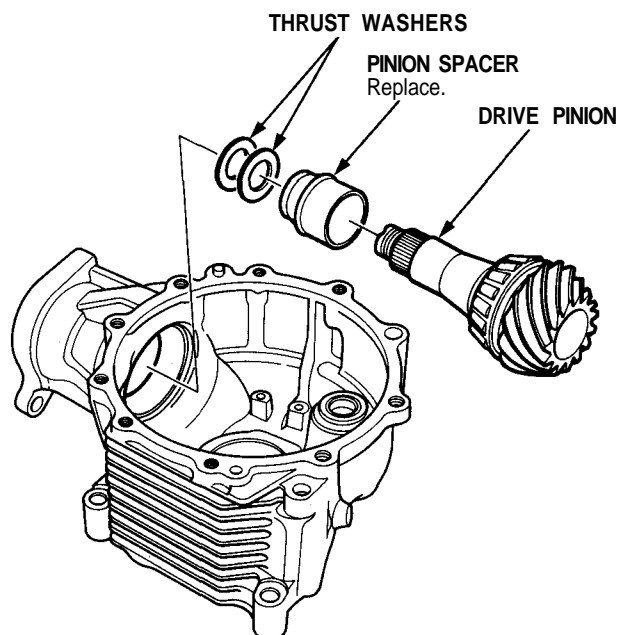
NOTE: Be sure tab of the locknut is completely clear of the groove, or damage to the threads can occur.



10. 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.



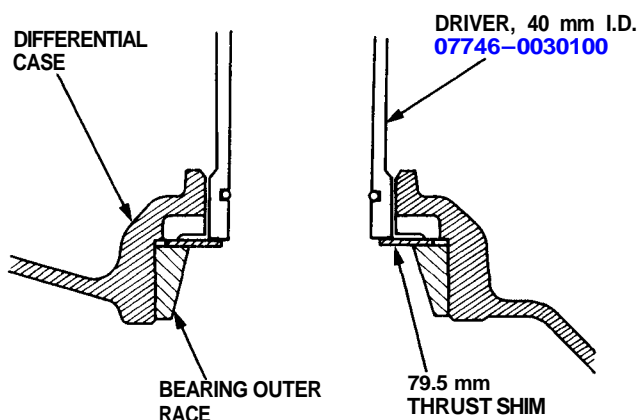
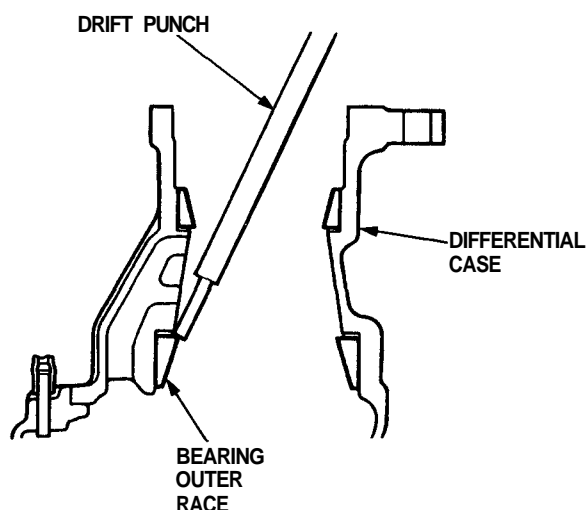
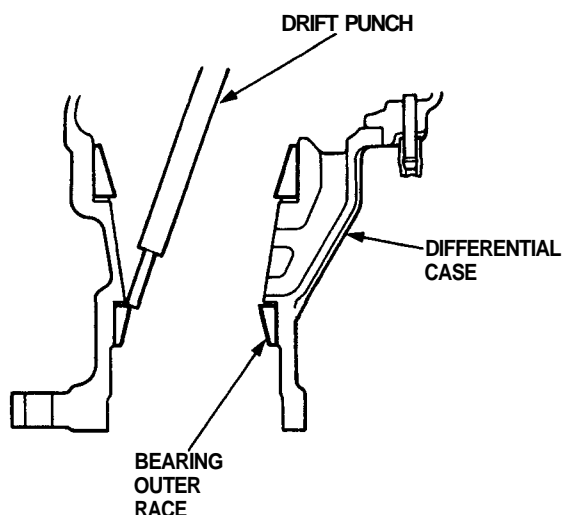
11. Remove the drive pinion, pinion spacer and thrust washers.





12. Remove the bearing outer races, thrust washers and 79.5 mm thrust shim as shown.

M/T: Use a drift punch or special tool.

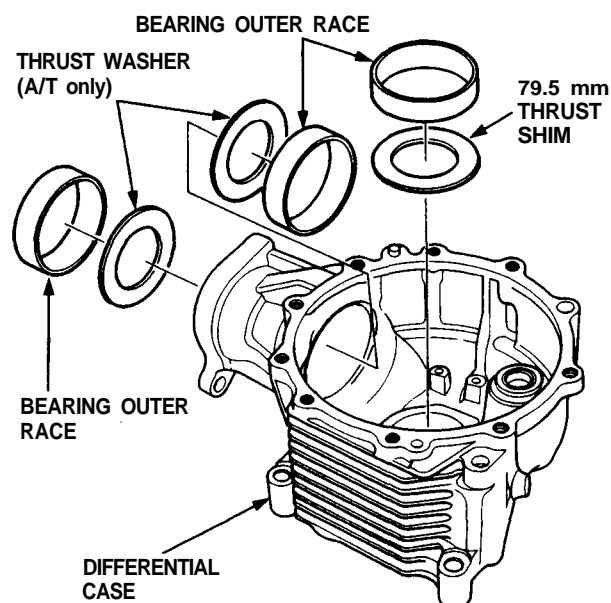


A/T: Pry up on the bearing outer race or heat the differential case to about 212°F (100°C).

CAUTION: Do not reuse the thrust shim if the bearing outer race was pried out.

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 cover to cool to room temperature.
- Replace the tapered roller bearing with a new one whenever the bearing outer race is replaced.



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

