

Differential Assembly



Removal

⚠ WARNING

- Make sure jacks and safety stands are placed properly, and hoist brackets are attached to correct positions on the engine.
- Apply parking brake and block rear wheels so the vehicle will not roll off stands and fall on you while working under it.

CAUTION: Use fender covers to avoid damaging painted surfaces.

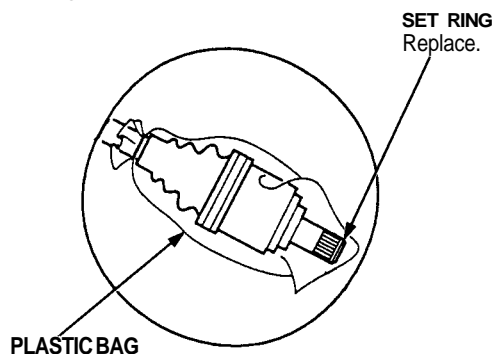
1. Remove the drain plug, and drain the differential oil (see page 15-4).
2. Remove the cotter pins and castle nuts, then separate the ball joints from the lower arm using the special tool (see section 18).
3. Remove the right damper pinch bolt, then separate the damper fork and damper (see section 18).
4. Pry the driveshafts out of the differential and intermediate shaft (see section 16).

CAUTION:

- Do not pull on the driveshaft, as the inboard joint may come apart.
- Use care when prying out the assembly, and pull it straight to avoid damaging the differential oil seal or the intermediate shaft outer seal.

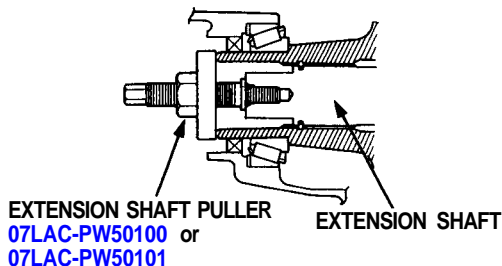
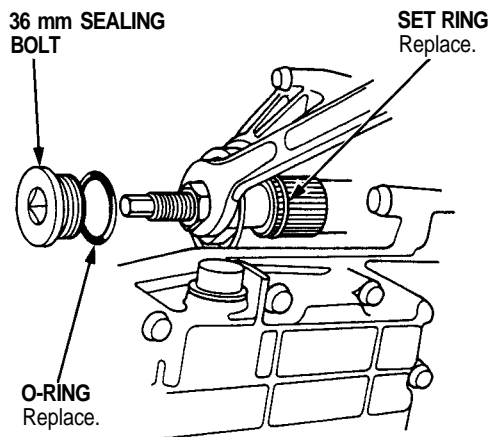
5. Pull on the inboard joint to remove the right driveshaft from the differential and to remove the left driveshaft from the intermediate shaft (see section 16).
6. Remove the intermediate shaft assembly from the oil pan (see section 16).
7. Tie plastic bags over the driveshaft ends.

NOTE: Coat all precision finished surfaces with clean engine oil.

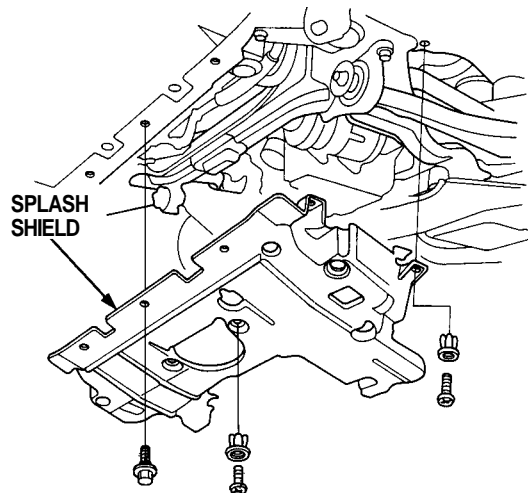


8. Remove the 36 mm sealing bolt and O-ring, then disconnect the extension shaft from the differential using the special tool.

NOTE: Shift the transmission into the B position to lock the secondary gear.



9. Remove the splash shield.

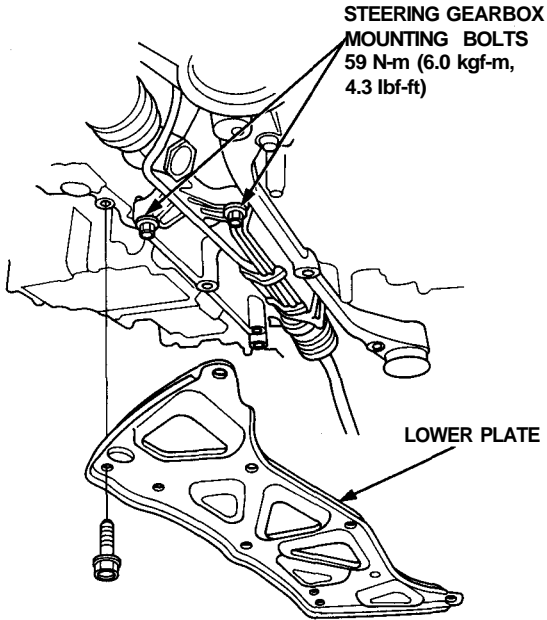


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Differential Assembly

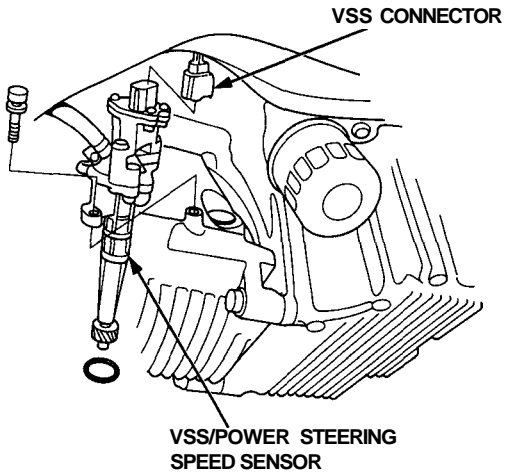
Removal (cont'd)

10. Remove the lower plate, then reinstall the steering gearbox mounting bolts.

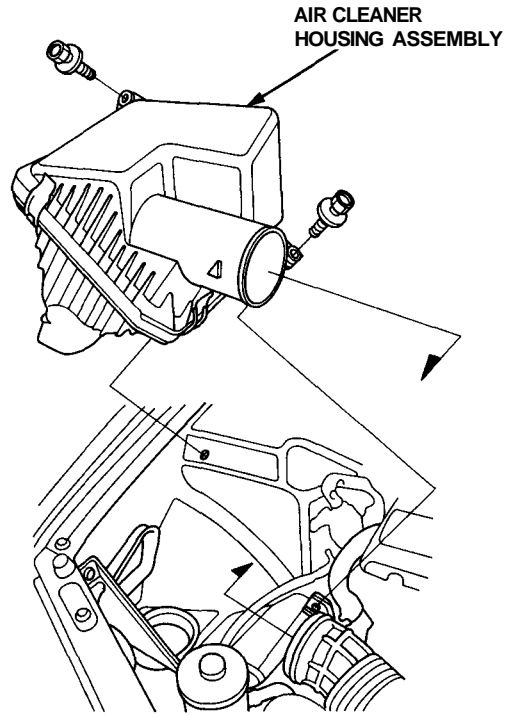


11. Disconnect the vehicle speed sensor (VSS) connector, then remove the VSS/power steering speed sensor.

NOTE: Do not disconnect the hoses.

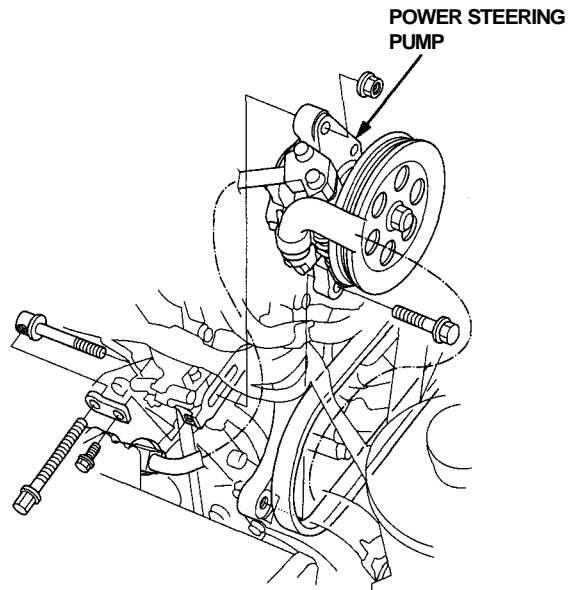


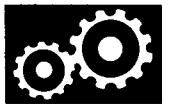
12. Remove the air cleaner housing assembly.



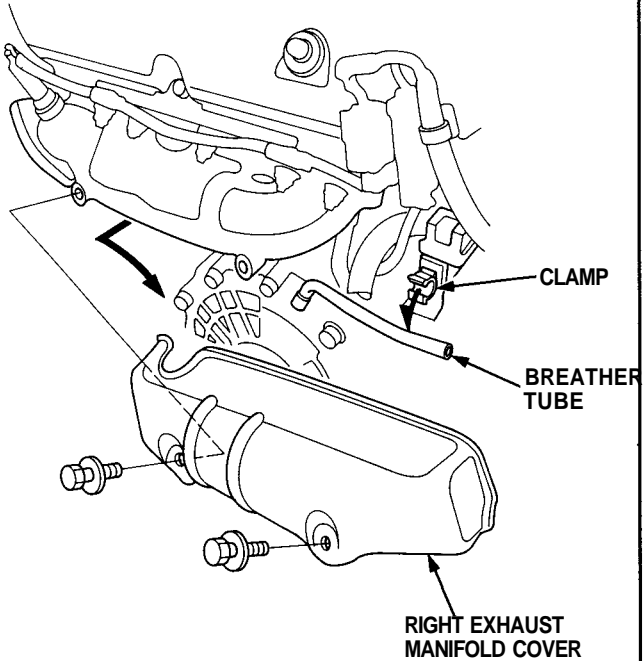
13. Remove the power steering pump.

NOTE: Do not disconnect the hoses.

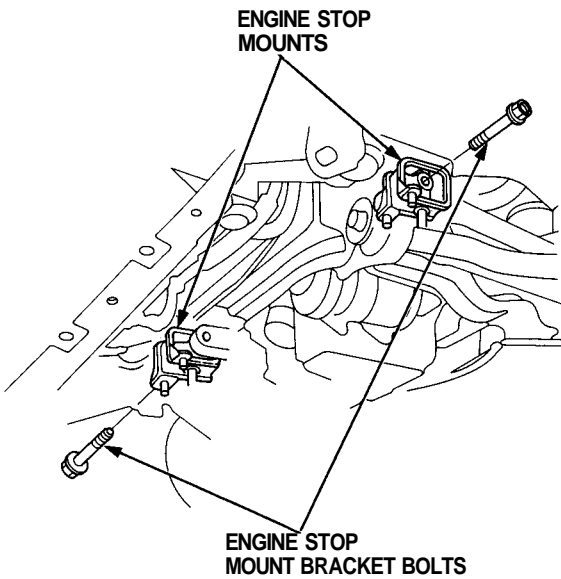




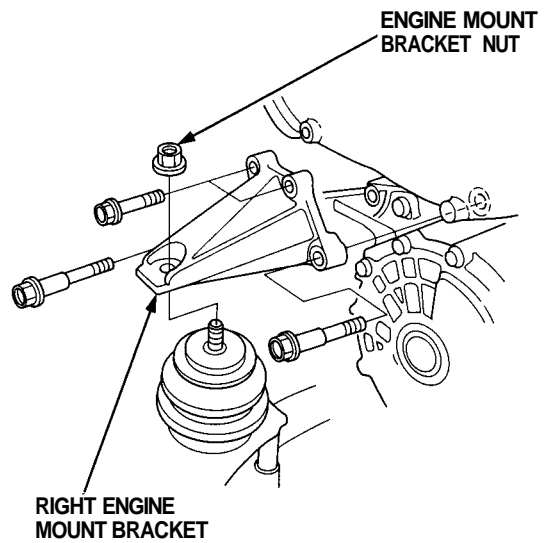
14. Disconnect the breather tube from the clamp, then remove the right exhaust manifold cover.



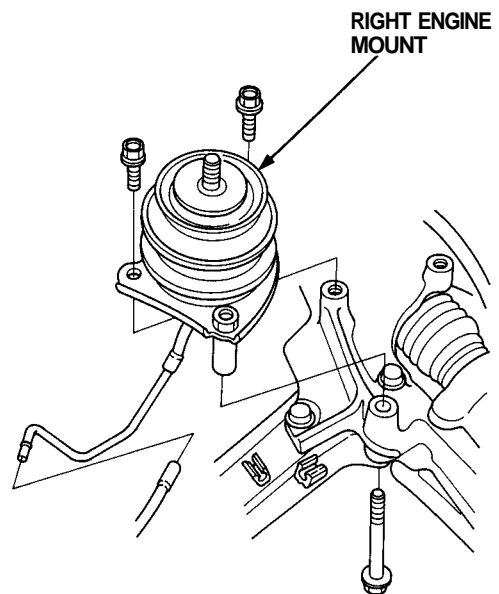
15. Remove the engine stop mount bracket bolts.



16. Attach the chain hoist to the engine (see [section 5](#)).
17. Remove the right and left engine mount bracket nuts, then remove the right engine mount bracket.



18. Remove the right engine mount.



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Differential Assembly

Removal (cont'd)

- 19. Remove the mounting bolts and 26 mm shim, then remove the differential assembly.

