

Transmission Assembly

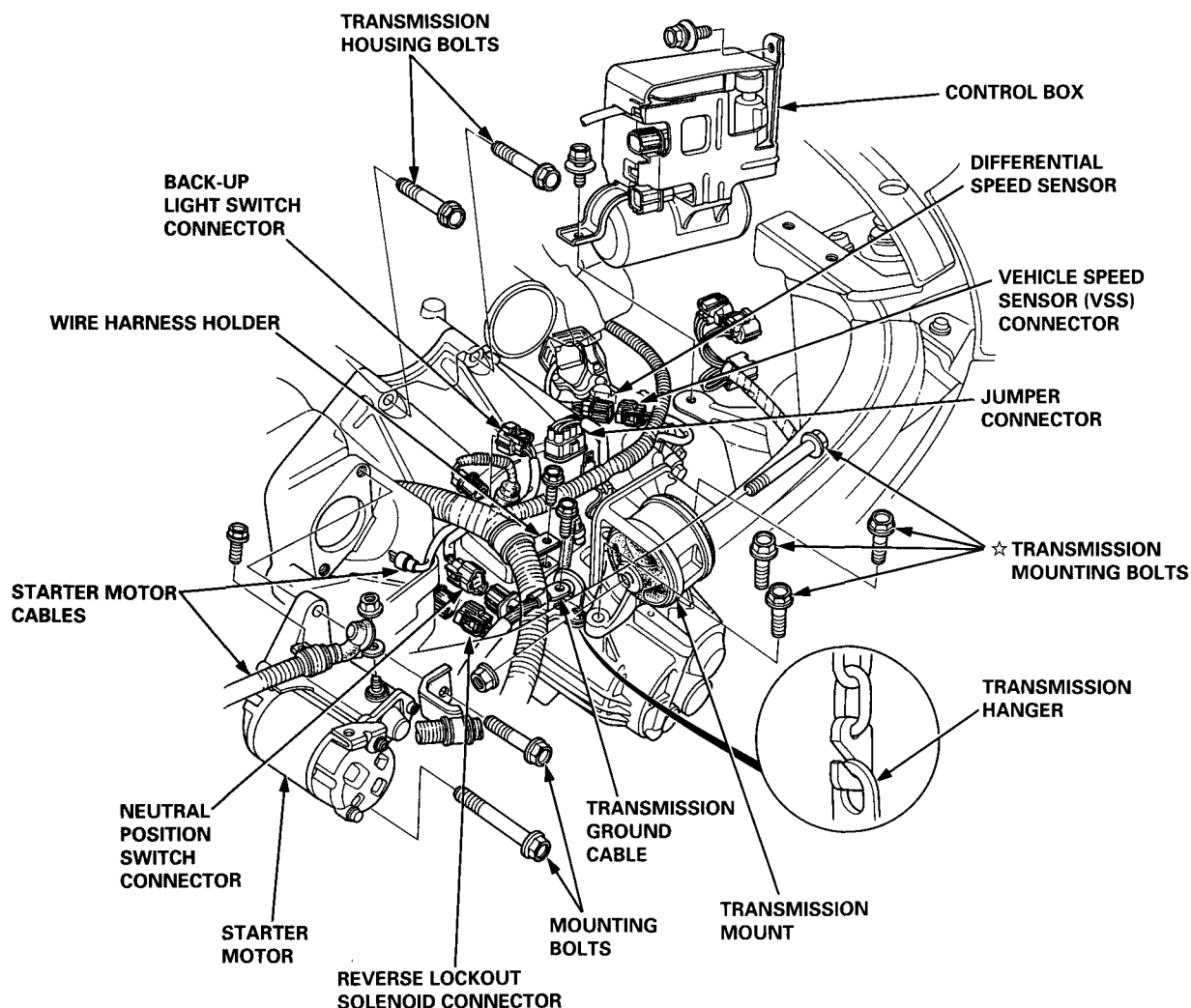
Removal

⚠ WARNING Make sure lifts are placed properly, and hoist brackets are attached to correct positions (see section 1).

1. Check and record the rear wheel alignment (see section 18).
2. Disconnect the battery negative (-) and positive (+) cables from the battery.
3. Drain transmission oil. Reinstall the drain plug with a new washer.
4. Remove the strut bar.
5. Remove the air cleaner assembly.

6. Remove the connectors from the control box, and remove the control box. Do not remove the vacuum tubes from the control box.
7. Remove the wire harness holder, jumper connector and transmission ground cable.
8. Disconnect the back-up light switch, neutral position switch, differential speed sensor, reverse lock-out solenoid, and vehicle speed sensor (VSS) connectors.
9. Disconnect the starter motor cables, then remove the starter motor.
10. Remove the transmission mount.
11. Remove the two transmission housing bolts.

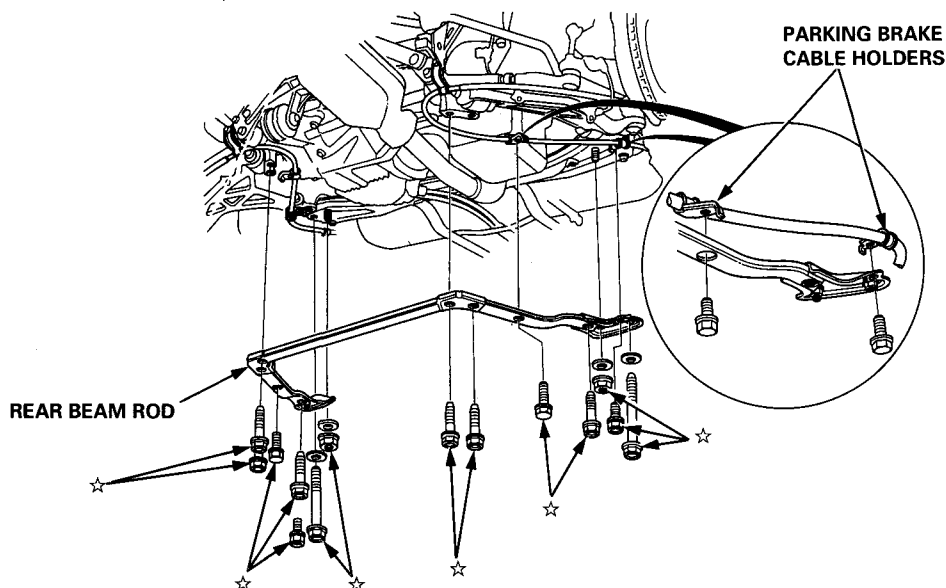
☆: Corrosion resistant bolt/nut





12. Remove the parking brake cable holders from the rear beam rod.

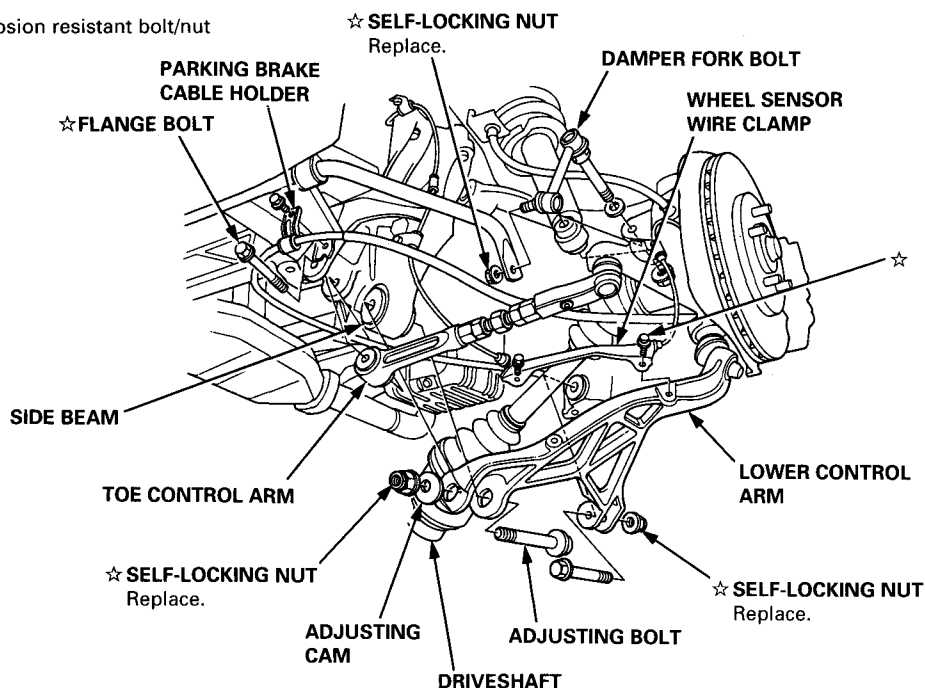
☆: Corrosion resistant bolt/nut



13. Remove the rear beam rod.

14. Remove the parking brake cable holder from the rear sub frame, and the wheel sensor wire clamp from the lower control arm.

☆: Corrosion resistant bolt/nut



15. Remove the flange bolt, and separate the toe control arm from the side beam (see [section 18](#)).
16. Remove the damper fork bolt (see [section 18](#)).
17. Remove the adjusting bolt and the flange bolt, then separate the lower control arm from the side beam (see [section 18](#)).
18. Pry the driveshaft out of the differential. Pull and remove it.

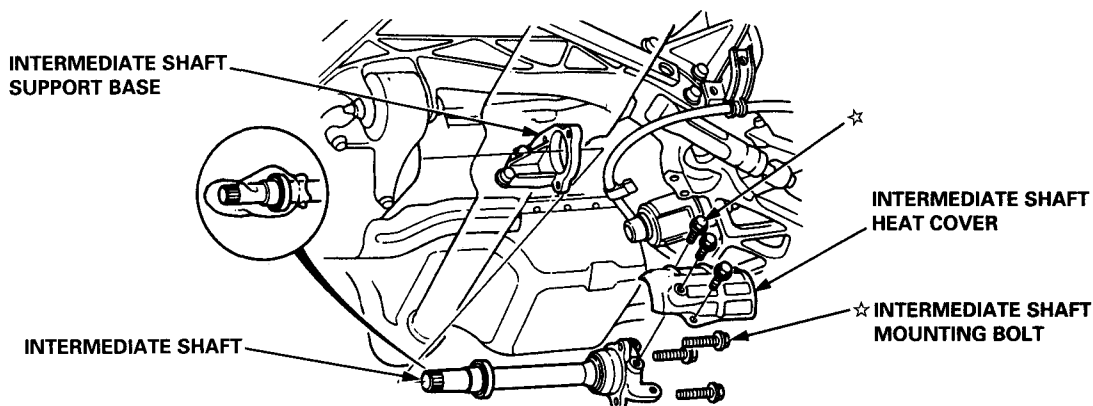
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Transmission Assembly

Removal(cont'd)

19. Remove the intermediate shaft heat cover and the intermediate shaft mounting bolts.

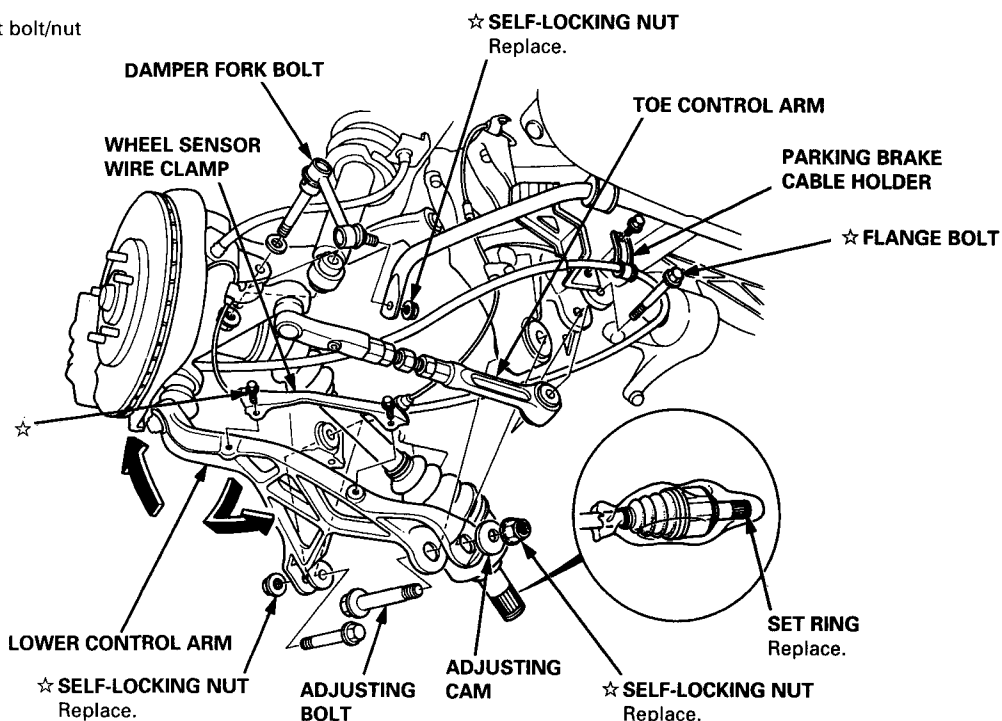
☆: Corrosion resistant bolt/nut



20. Pry the intermediate shaft out of the differential. Pull and remove it. Coat all precision finished surfaces with clean engine oil or grease. Tie plastic bags over the driveshaft ends.

21. Remove the parking brake cable holder from the rear sub frame, and the wheel sensor wire clamp from the lower control arm.

☆: Corrosion resistant bolt/nut



22. Remove the flange bolt, and separate the toe control arm from the side beam (see [section 18](#)).

23. Remove the damper fork bolt (see [section 18](#)).

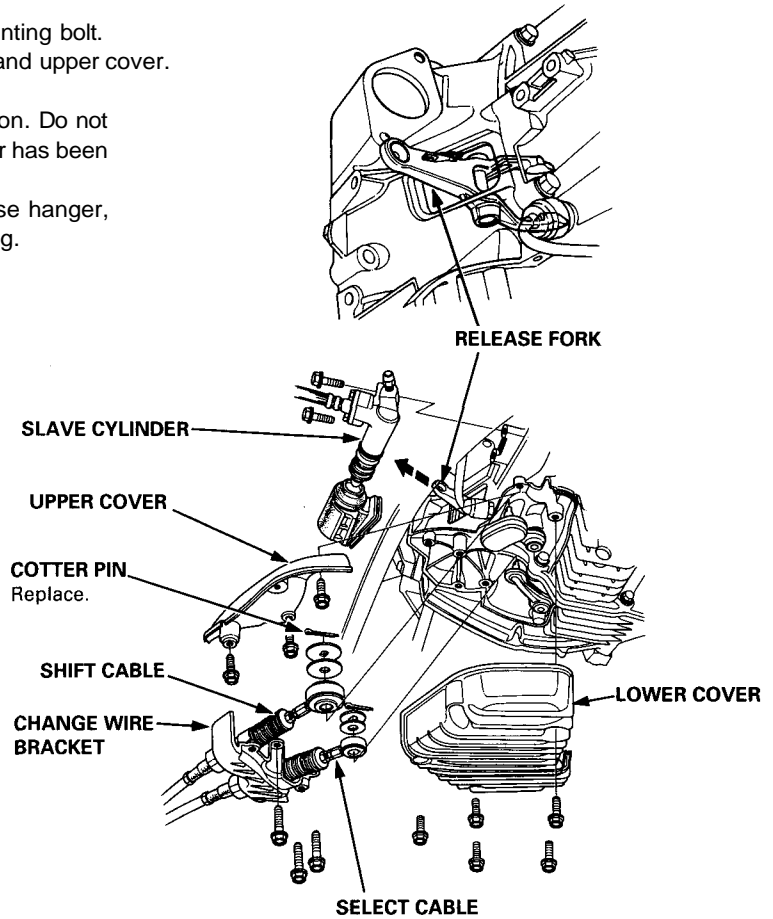
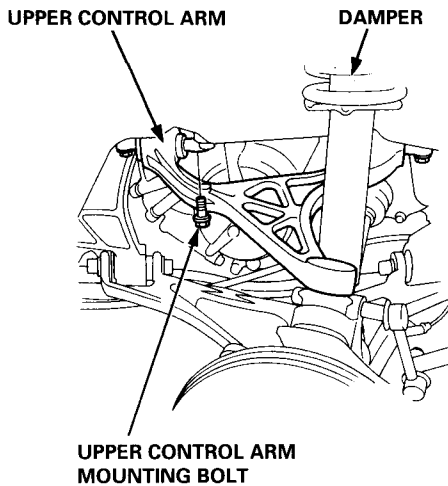
24. Remove the adjusting bolts, and the flange bolt, then separate the lower control arm from the side beam.

25. Pry the driveshaft out of the differential. Pull and remove it. Coat all precision finished surfaces with clean engine oil or grease. Tie plastic bags over the driveshaft ends.



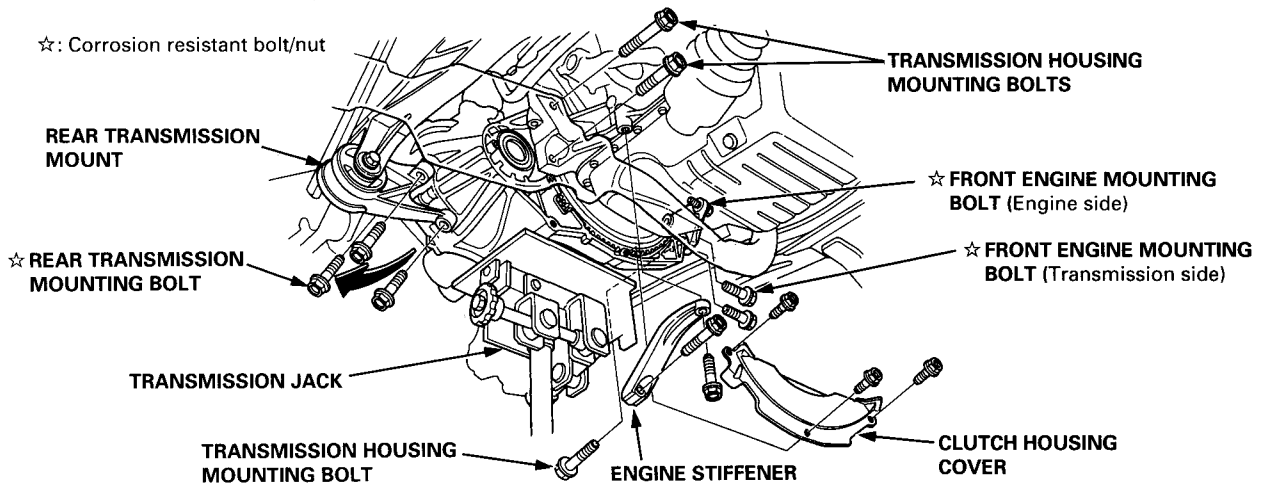
26. Remove the one of the upper control arm mounting bolt.
27. Remove the lower cover, change wire bracket and upper cover.
28. Remove the shift cable and select cable.
29. Remove the slave cylinder from the transmission. Do not operate the clutch pedal once the slave cylinder has been removed.
30. Remove the release fork from the clutch release hanger, then hang the release fork on the clutch housing.

☆: Corrosion resistant bolt/nut



31. Remove the clutch housing cover.

☆: Corrosion resistant bolt/nut



32. Attach a chain hoist to the transmission hangers.
33. Place a jack under the transmission, and raise the transmission just enough to take weight off mounts.
34. Remove the front engine mounting bolts on the transmission side, and retighten the bolt on the engine side. Loosen the front engine mounting bolt on the engine side, but do not remove it. After removing the two bolts on the transmission side, be sure to retighten the bolt on the engine side.
35. Remove the rear transmission mounting bolts and engine stiffener.
36. Remove the transmission housing mounting bolts.
37. Pull the transmission away from the engine until it clears the mainshaft, then lower it on the transmission jack.