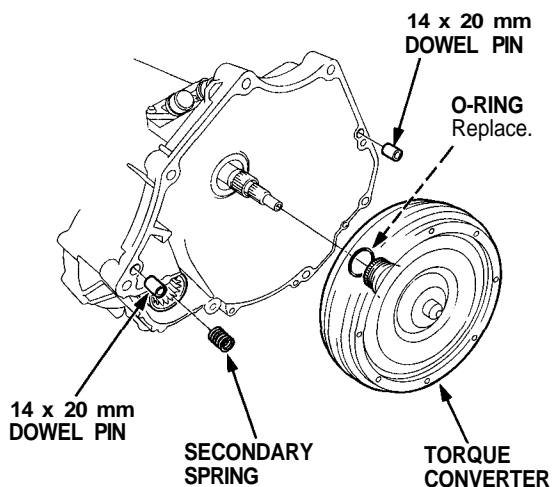




Transmission

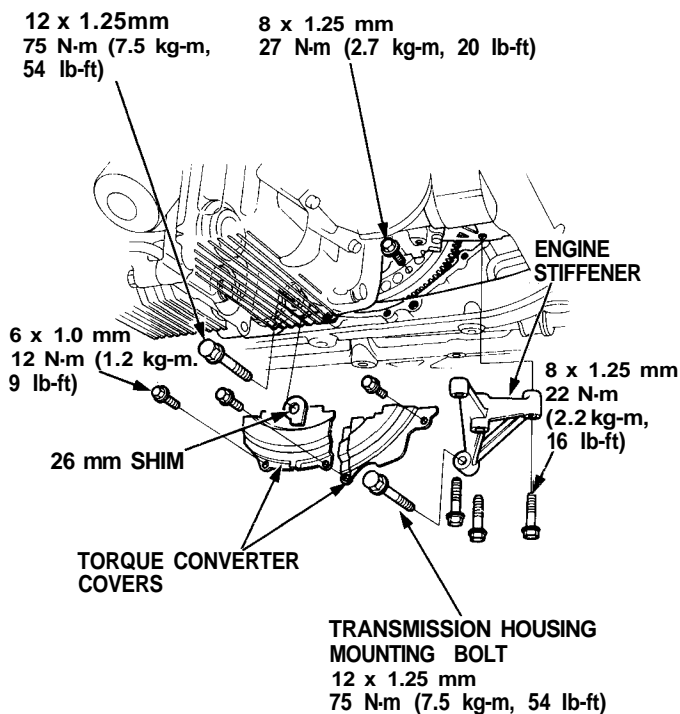
Installation

1. Flush the ATF cooler as described on pages 14-168 and 169.
2. Install the torque converter with a new O-ring and two 14 x 20 mm dowel pins in the torque converter housing.
3. Set the extension shaft, and apply Super High Temp Urea Grease (P/N 08798 – 9002) to the extension shaft splines.
4. Install the secondary spring in the differential side of the extension shaft.
5. Place the transmission on a transmission jack, and raise to the engine level.



6. Install the transmission housing mounting bolt and 26 mm shim.
7. Attach the torque converter covers to the drive plate with six bolts and torque to 27 N·m (2.7 kg·m, 20 lb·ft). Rotate the crankshaft as necessary to tighten the bolts 1/2 of specified torque, then final torque, in a crisscross pattern. After tightening the last bolt, check that the crankshaft rotates freely.
8. Install the torque converter covers.
9. Install the engine stiffener.

NOTE: Loosely install the engine stiffener 8 mm mounting bolts, then torque to specified torque after installing the transmission housing mounting 12 mm bolt on the engine stiffener.

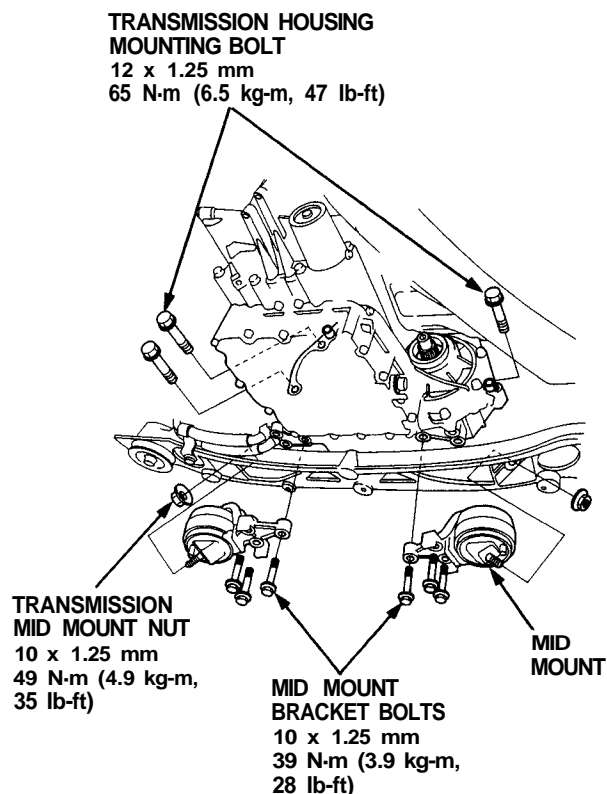


(cont'd)

Transmission

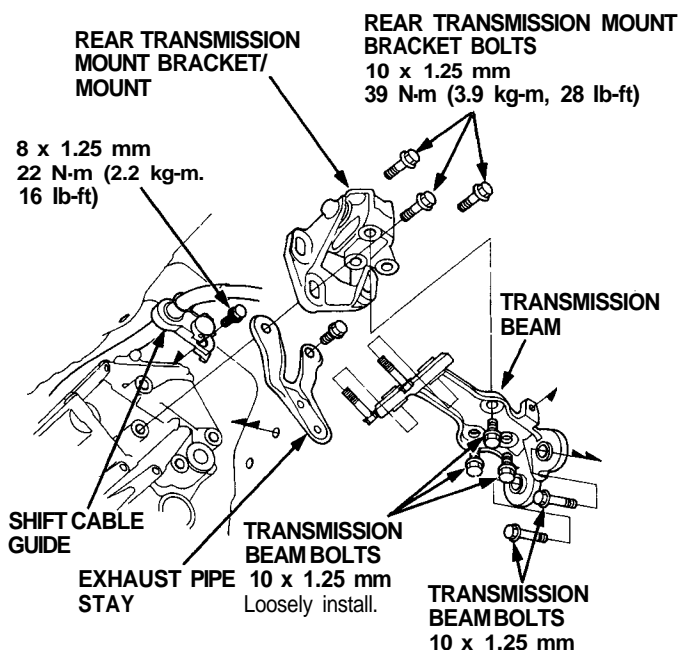
Installation (cont'd)

10. Install the three transmission housing mounting bolts.
11. Install the mid mounts and tighten the six bracket bolts.

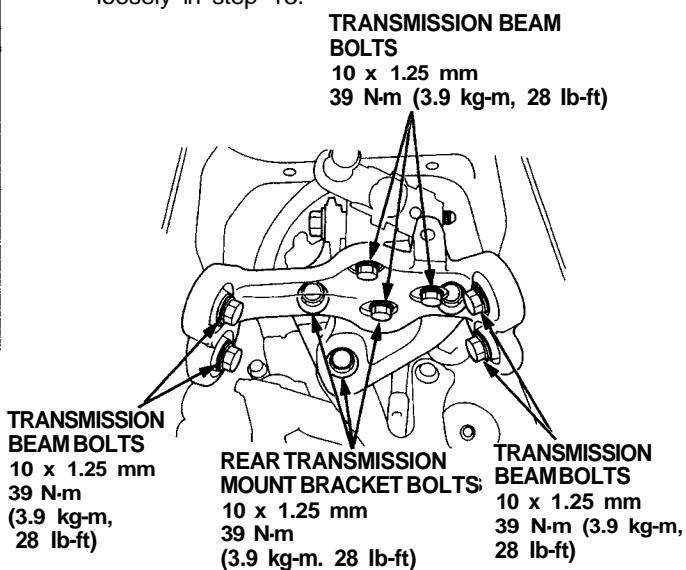


12. Remove the transmission jack from the transmission.

13. Loosely install the transmission beam to the rear transmission mount bracket/mount with three bolts, then install that assembly with the exhaust pipe stay on the transmission rear cover and body.



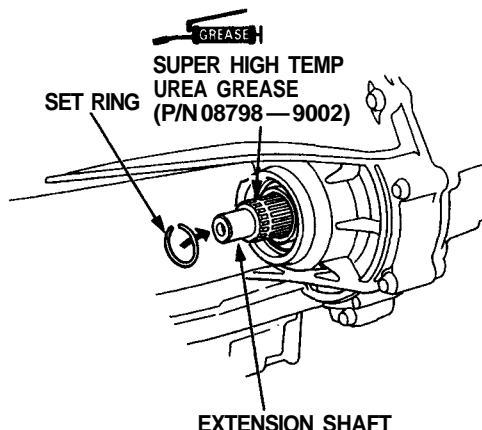
14. Tighten the four transmission beam bolts.
15. Tighten the three rear transmission mount bracket bolts.
16. Tighten the three transmission beam bolts installed loosely in step 13.



17. Install the shift cable guide on the transmission beam with the bolt.



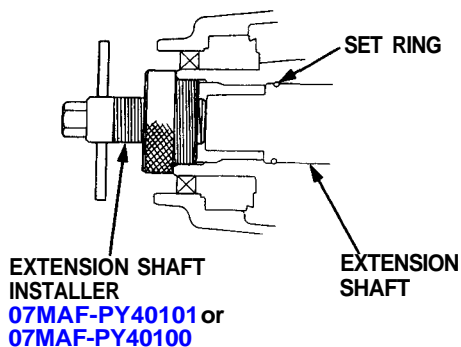
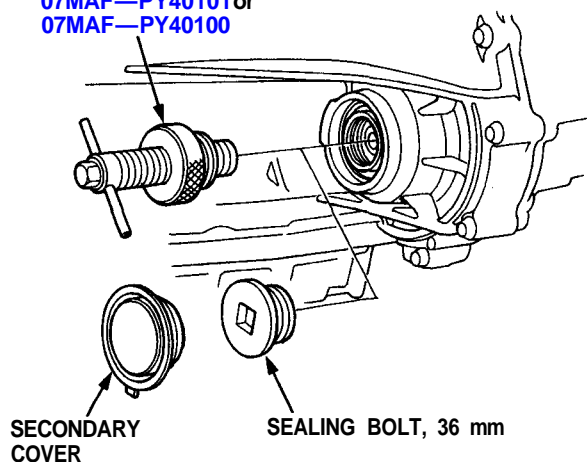
18. Install a new set ring in the extension shaft groove.



19. Install the extension shaft using the special tool as shown.

NOTE: Make sure that the secondary spring is installed, and the extension shaft locks securely in the secondary gear shaft.

EXTENSION SHAFT
INSTALLER
07MAF-PY40101 or
07MAF-PY40100

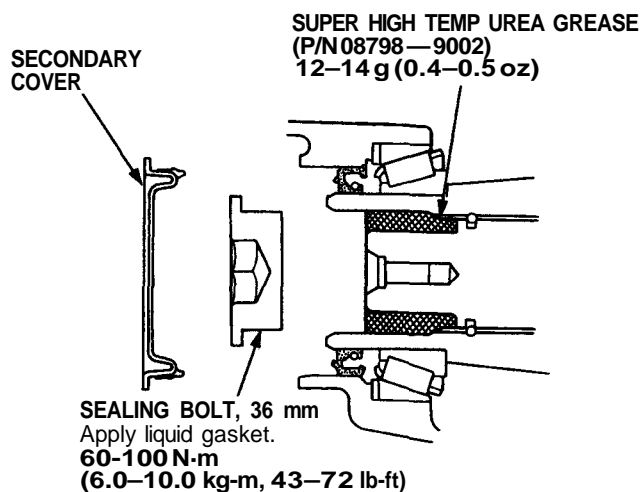


20. Fill the opening between the secondary gear shaft and extension shaft with Super High Temp Urea Grease (P/N 08798-9002), as shown.

21. Apply liquid gasket (P/N 08718 — 0001) to the 36 mm sealing bolt threads.

22. Install the 36 mm sealing bolt and secondary cover on the transmission housing.

NOTE: Shift to **P** position by rotating the control shaft.

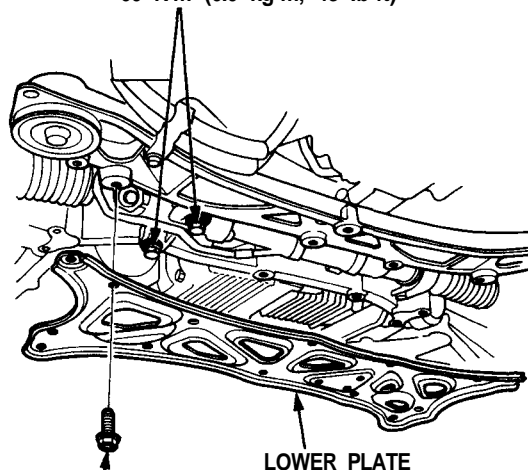


23. Remove the steering gearbox mounting bolts, then install the lower plate.

☆: Corrosion resistant bolt

Remove these bolts
before installing the
lower plate.

☆ 10 x 1.25 mm
60 N-m (6.0 kg-m, 43 lb-ft)



(cont'd)

Transmission

Installation (cont'd)

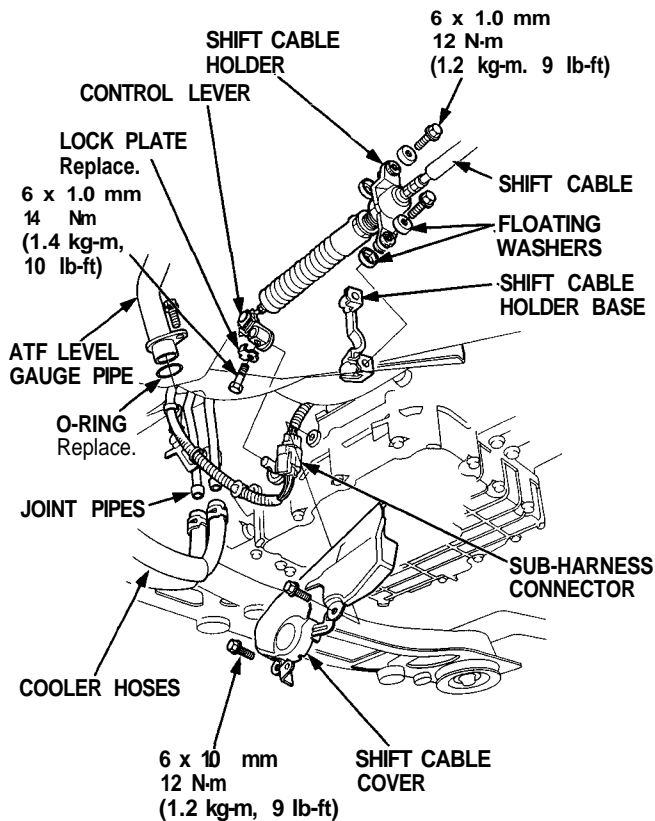
24. Install the control lever on the control shaft with a new lock plate. Bend the lock plate after installing the bolt.

CAUTION: Take care not to bend the cable when removing/installing it.

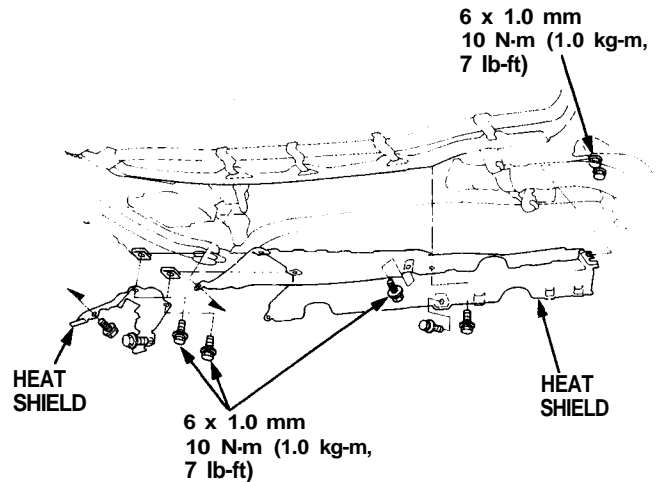
25. Install the shift cable holder on the shift cable holder base.
26. Install the shift cable cover.
27. Connect the ATF cooler hoses to joint pipes.

NOTE: Flush the ATF cooler before connecting the ATF cooler hoses.

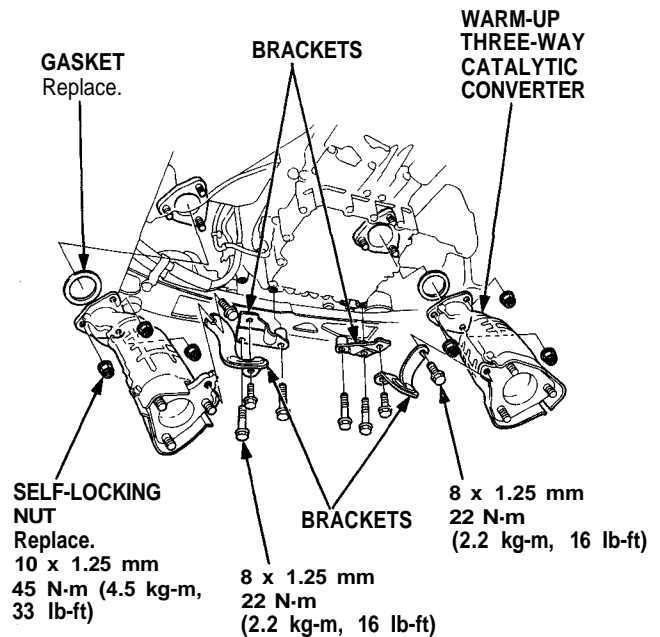
28. Connect the shift control solenoid valve/linear solenoid connector to the transmission sub-harness connector. Then install the connector on the shift cable cover.
29. Install the ATF level gauge pipe with a new O-ring in the torque converter housing.



30. Install the heat shields.



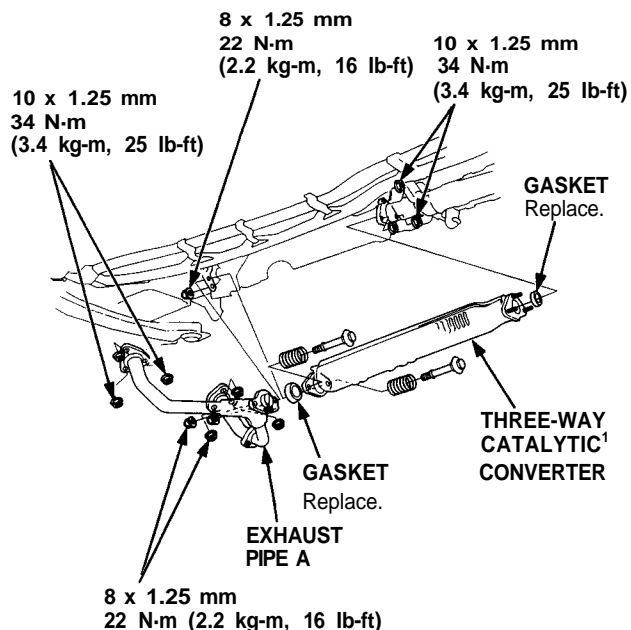
31. Install the warm-up three-way catalytic converters, then install brackets (GS model).





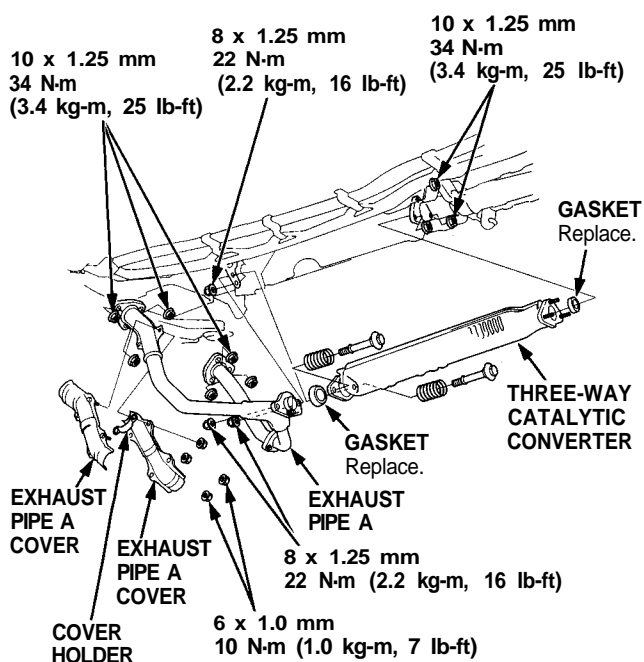
32. Install the exhaust pipe A and three-way catalytic converter with new self-locking nuts.

GS model:

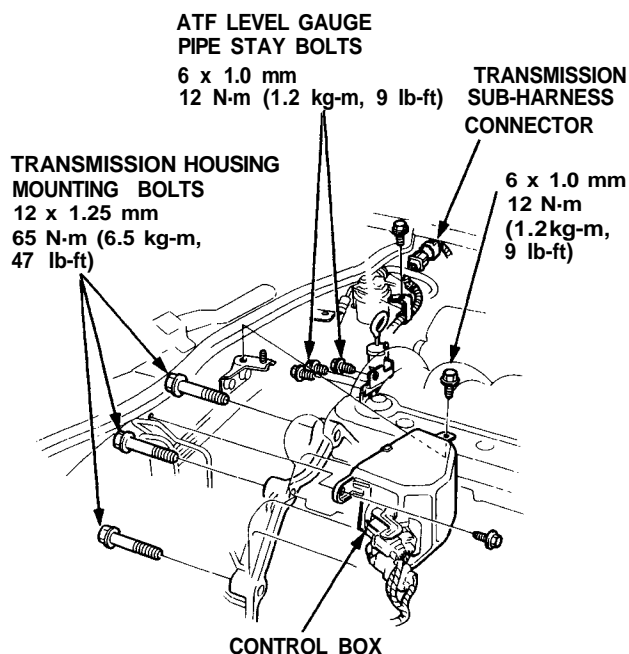


L and LS models:

NOTE: Install the exhaust pipe A cover after installing the exhaust pipe A and three-way catalytic converter.



33. Install the transmission housing mounting bolts.
34. Install the ATF level gauge pipe stay bolts.
35. Connect the transmission sub-harness connector.
36. Install the control box.



37. Install the strut bar.
38. Refill the transmission with ATF.
39. Connect the battery positive (+) and negative (-) cables to the battery.
40. Start the engine. Set the parking brake, and shift the transmission through all gears three times. Check for proper shift cable adjustment.
41. Let the engine reach normal operating temperature (the radiator fan comes on) with the transmission in **N** or **P** position, then turn it off and check fluid level.
42. Road test as described on pages [14-82](#) and [83](#).
43. Reset the radio stations.