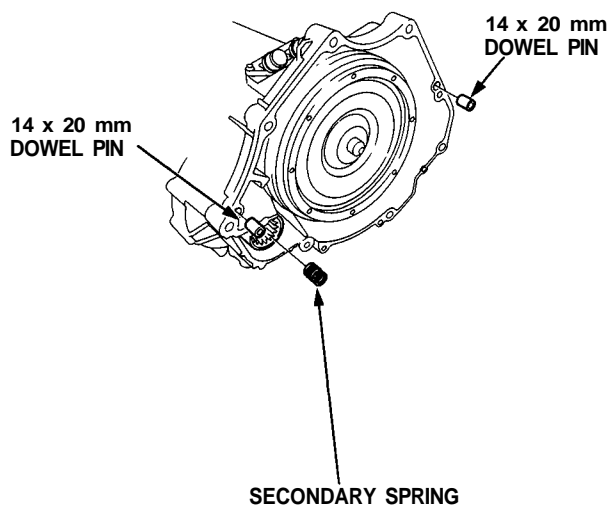


Transmission

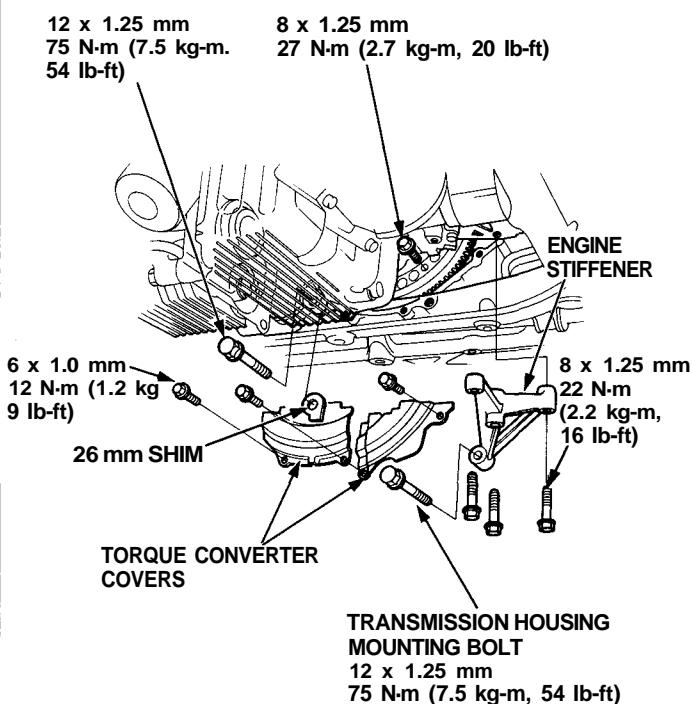
Installation

1. Flush the ATF cooler as described on pages 14-162 and 163.
2. Install the 14 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 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 6 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. Check for free rotation after tightening the last bolt.
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.

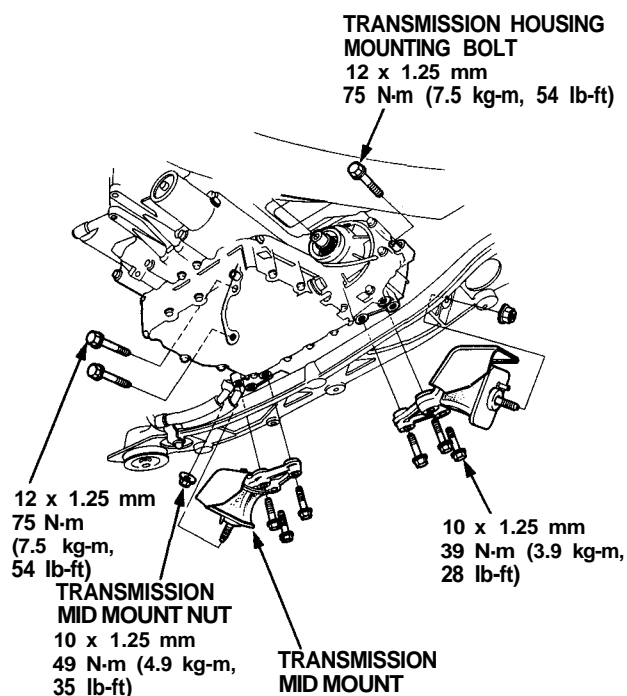




10. Install the 3 transmission housing mounting bolts.

11. Install the transmission mounting bolts and transmission mid mounts.

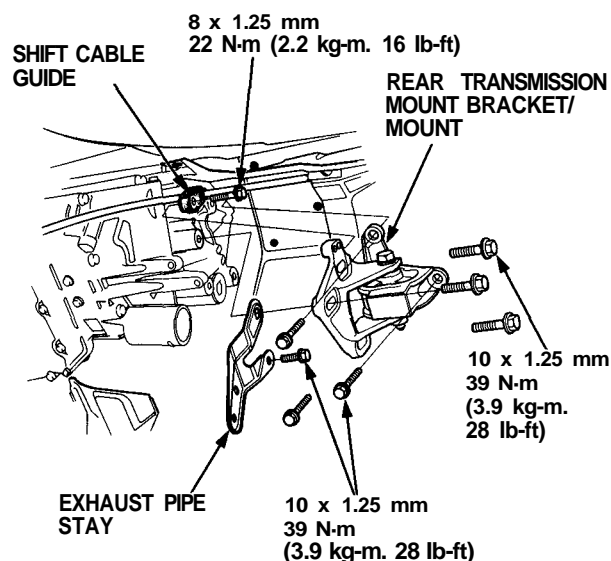
NOTE: Loosely install the transmission mid mount nuts, then torque to specified torque after installing the rear transmission mount bracket/mount.



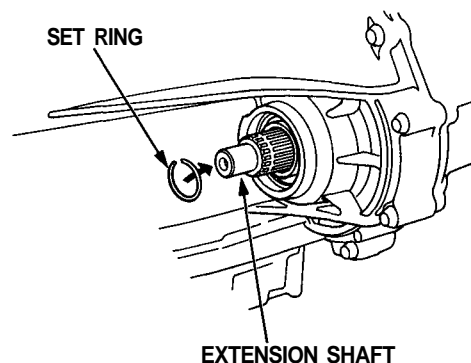
12. Install the rear transmission mount bracket/mount and exhaust pipe stay.

13. Install the shift cable guide.

14. Torque the transmission mid mount nuts to specified torque as shown in step 11.



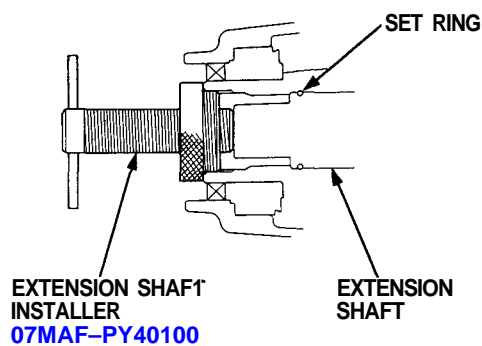
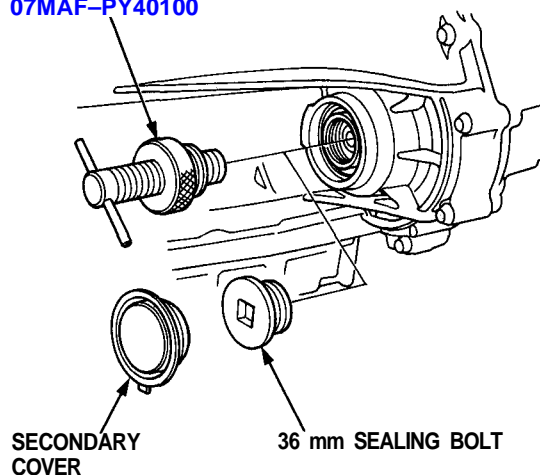
15. Install a new set ring in the extension shaft groove.



16. 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-PY40100



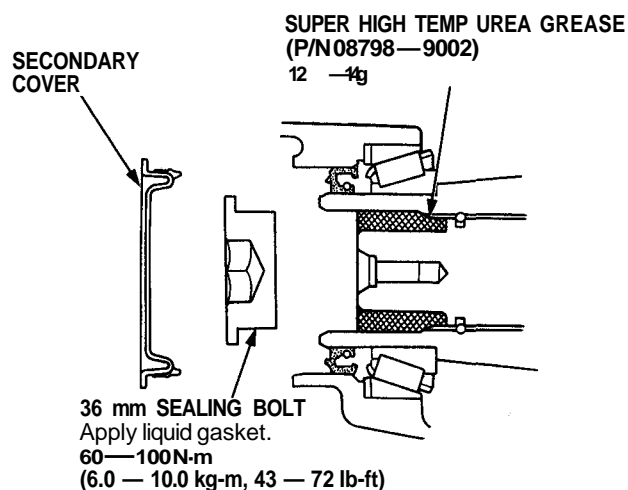
(cont'd)

Transmission

Installation (cont'd)

17. Fill the opening between the secondary gear shaft and extension shaft with Super High Temp Urea Grease (P/N 08798 — 9002), as shown.
18. Apply liquid gasket (P/N 08718 — 0001) to the 36 mm sealing bolt threads.
19. Install the 36 mm sealing bolt and secondary cover on the transmission housing.

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

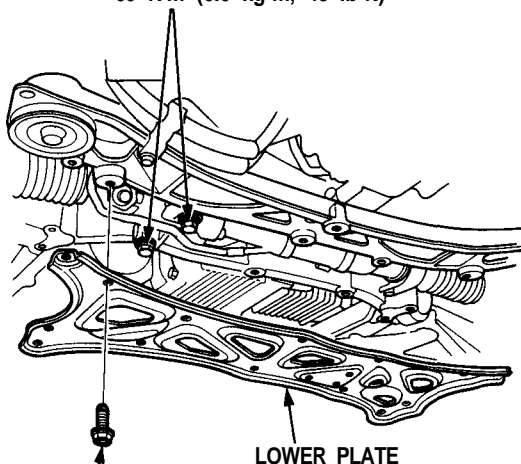


20. Remove the steering gearbox mounting bolts, then install the lower plate.

☆: **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)



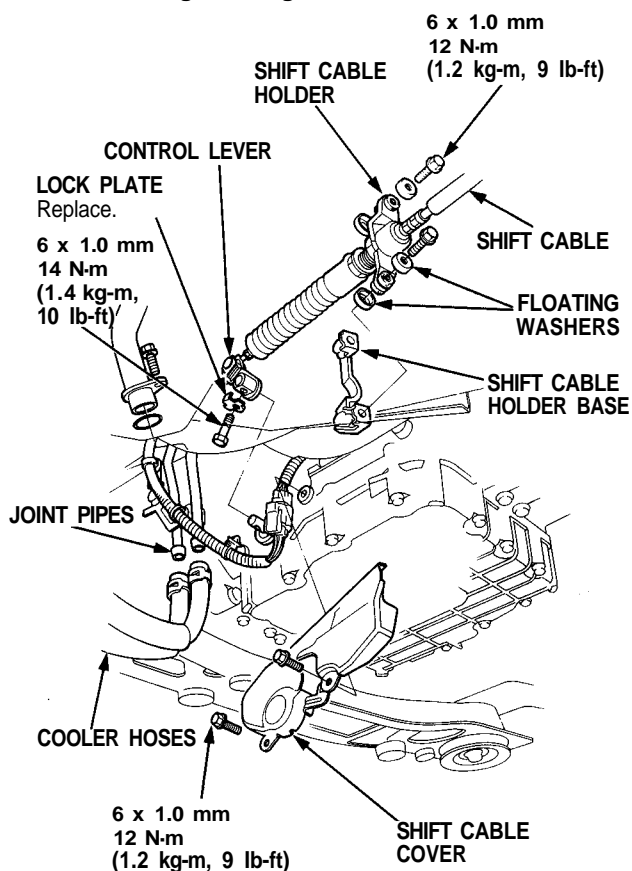
☆ 10 x 1.25 mm
39 N·m (3.9 kg-m, 28 lb-ft)

21. Install the control lever to the control shaft with a new lock plate. Bend the lock plate after installing the bolt.
22. Install the shift cable holder on the shift cable holder base.
23. Install the shift cable cover.
24. Connect the cooler hoses to joint pipes.

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

25. Connect the shift control solenoid valve/linear solenoid connector to the transmission sub-harness connector. Then install the connector on the Shift cable cover.

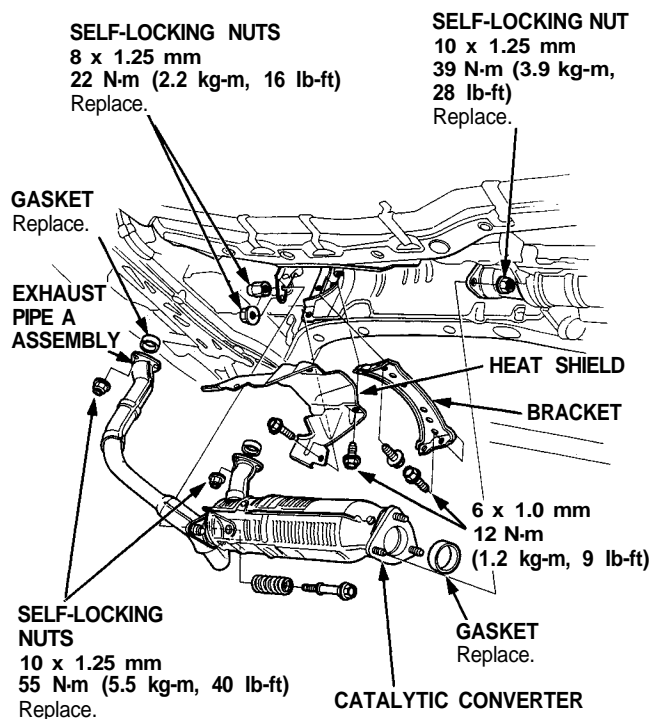
CAUTION: Take care not to bend the cable when removing/installing it.





26. Install the bracket and heat shield.

27. Install the exhaust pipe A assembly and the catalytic converter.

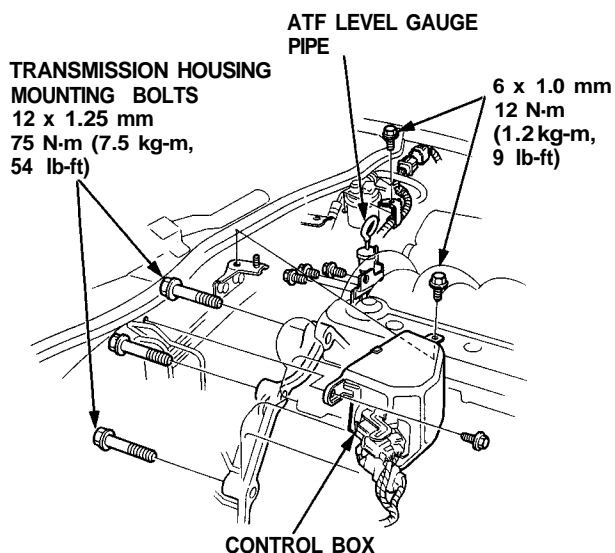


28. Install the transmission housing mounting bolts.

29. Install the ATF level gauge pipe and level gauge.

30. Connect the transmission sub-harness connector.

31. Install the control box.



32. Install the strut bar.

33. Refill the transmission with ATF.

34. Connect the battery positive (+) and negative (-) cables to the battery.

35. Start the engine. Set the parking brake, and shift the transmission through all gears three times. Check for proper shift cable adjustment.

36. Let the engine reach operating temperature with the transmission in Neutral or Park, then turn it off and check fluid level.

37. Road test as described on pages [14-80](#) and [81](#).