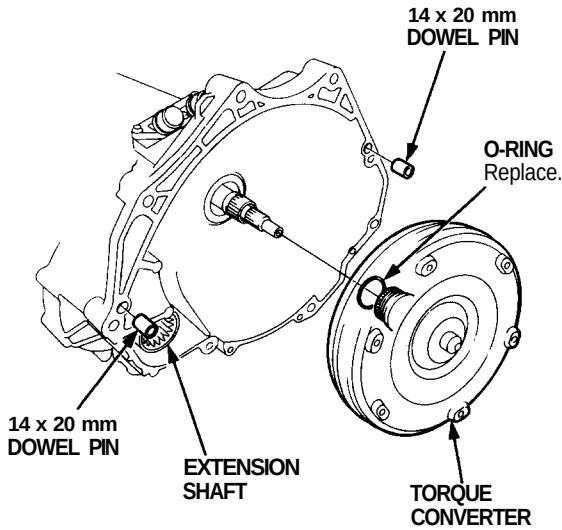




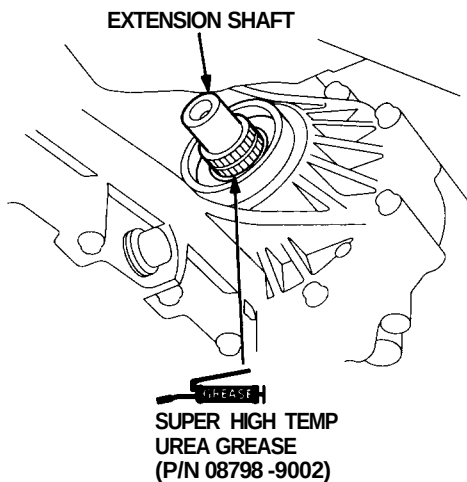
Transmission

Installation

1. Flush the ATF cooler (see pages 14-195 and 14-196).
2. Install the torque converter securely with a new O-ring on the mainshaft, and install two 14 x 20 mm dowel pins in the torque converter housing.



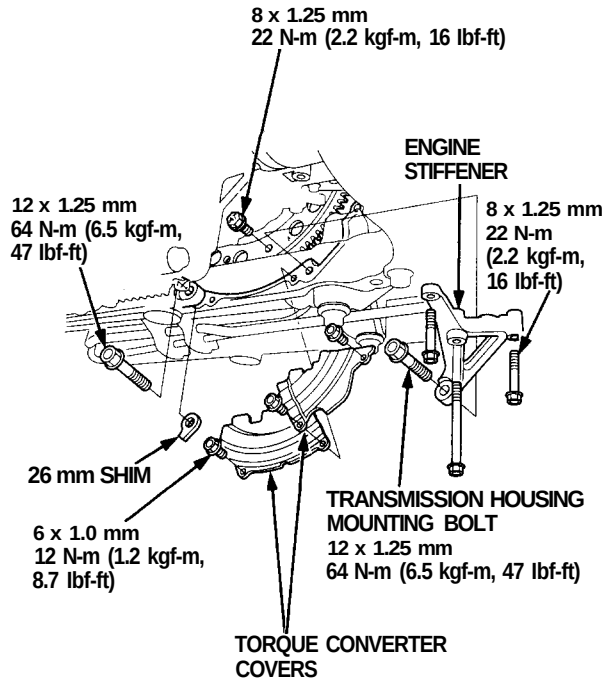
3. Clean the extension shaft opening on the differential side.
4. Insert the extension shaft in its opening, and apply Super High Temp Urea Grease (P/N 08798 - 9002) to the shaft splines.



5. Place the transmission on a jack, and raise it to engine level.

6. Attach the transmission to the engine, then install the transmission housing mounting bolt with the 26 mm shim.

NOTE: Do not install the transmission housing bolt on the engine stiffener side.



7. Attach the torque converter to the drive plate with six bolts and torque:
Rotate the crankshaft as necessary to tighten the bolts to 1/2 of the specified torque, then to the 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. Tighten the engine stiffener 8 mm bolts loosely, and tighten the transmission housing mounting bolt to the specified torque, then tighten the 8 mm bolts to the specified torque.

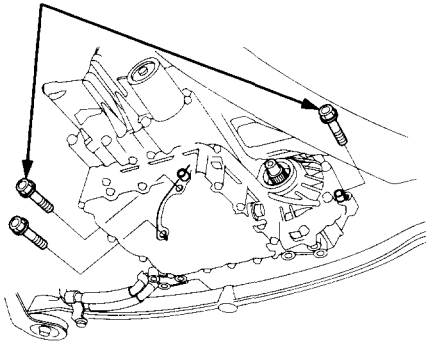
(cont'd)

Transmission

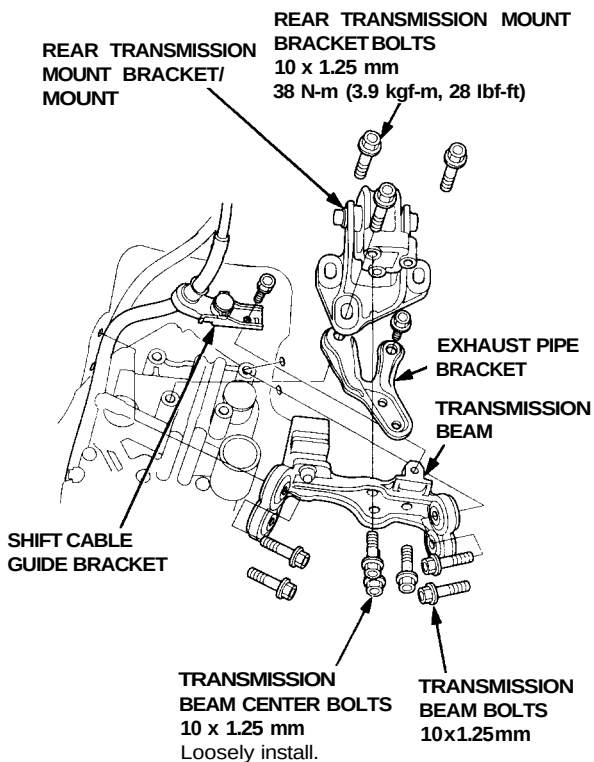
Installation (cont'd)

10. Install the transmission housing mounting bolts from the transmission side.

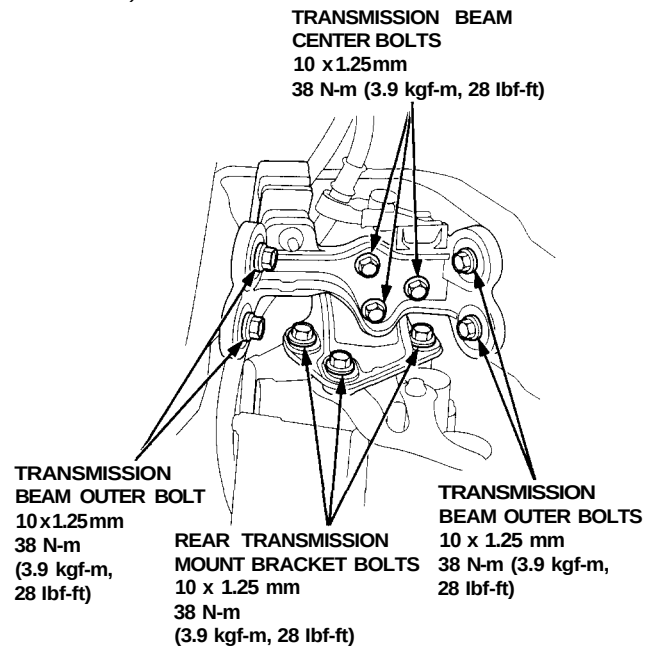
**TRANSMISSION HOUSING
MOUNTING BOLTS**
12 x 1.25 mm
64 N-m (6.5 kgf-m, 47 lbf-ft)



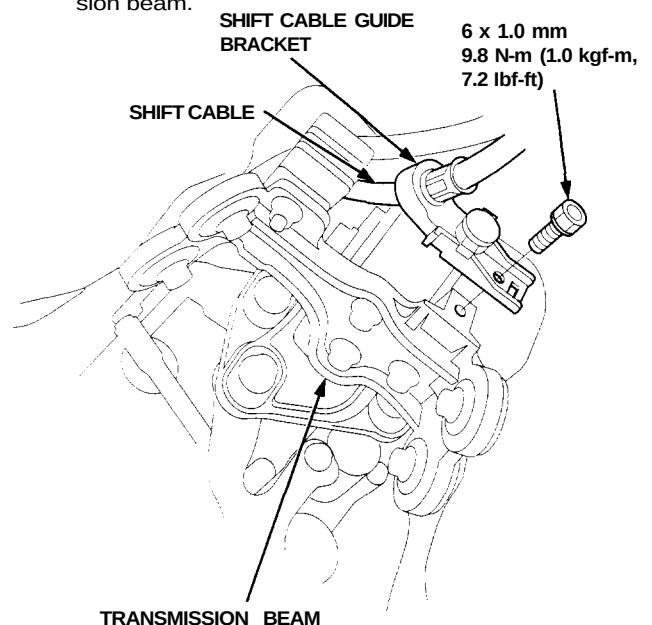
11. Install the transmission beam to the rear transmission mount bracket/mount. Tighten the three center bolts loosely, then install them with the exhaust pipe bracket on the rear cover and body.



12. Tighten the transmission beam outer bolts (four bolts).

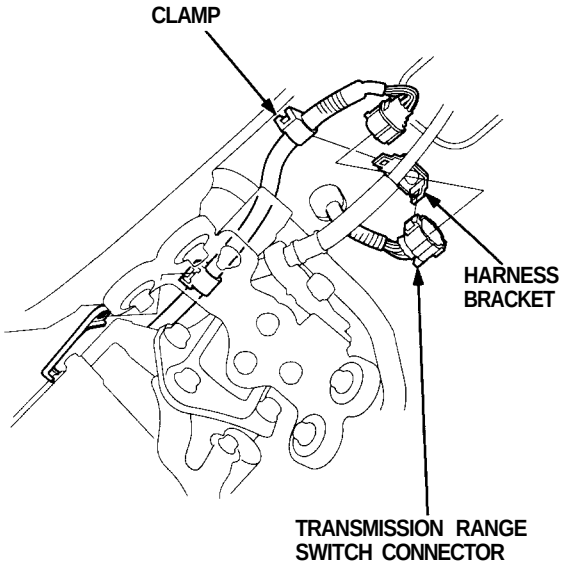


13. Tighten the rear transmission mount bracket bolts (three bolts).
14. Tighten the transmission beam center bolts (three bolts) installed loosely in step 11.
15. Remove the transmission jack from the transmission.
16. Install the shift cable guide bracket on the transmission beam.

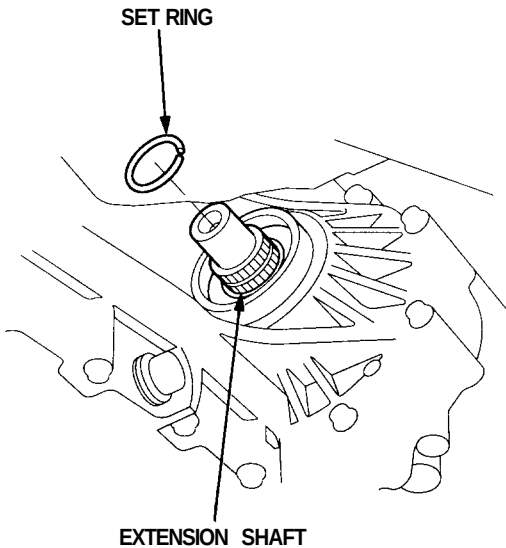




17. Connect the transmission range switch connector, then install the clamp to the harness bracket.

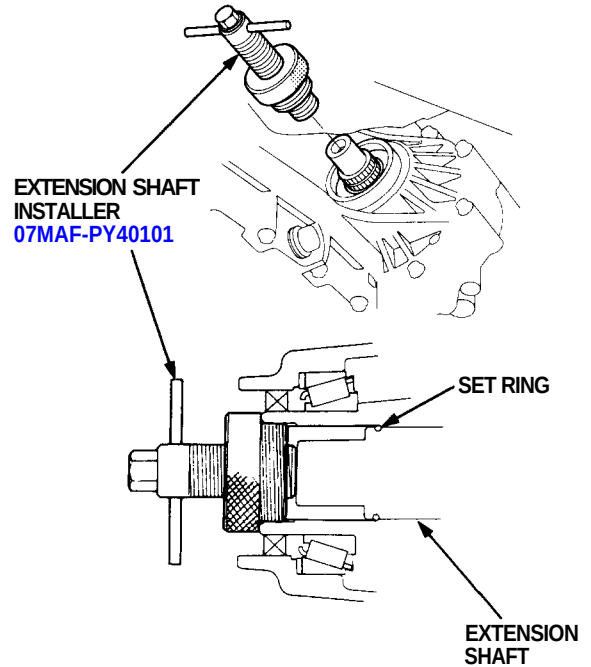


18. Install a new set ring in the extension shaft groove.



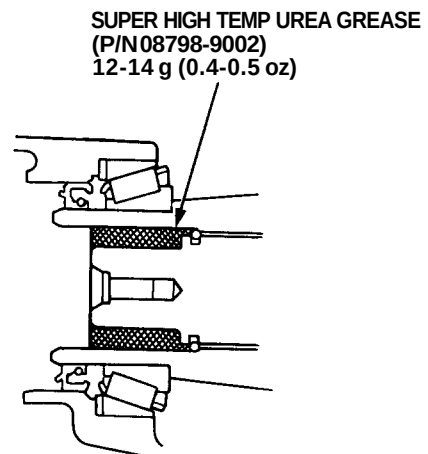
19. Install the extension shaft using the special tool as shown.

NOTE: Push the extension shaft in the secondary driven gear shaft until the extension shaft stops.



20. Remove the special tool.

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



(cont'd)

Transmission

Installation (cont'd)

22. Shift the transmission to the **P** position by rotating the control shaft.

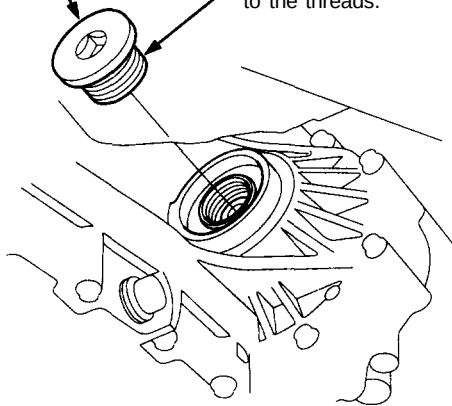
23. Install the 36 mm sealing bolt.

'96 - '99 models:

Apply liquid gasket (P/N 08718 - 0001) to the 36 mm sealing bolt threads, then install and tighten the sealing bolt.

SEALING BOLT, 36 mm
78 N-m (8.0 kgf-m, 58 lbf-ft)

Apply liquid gasket
to the threads.

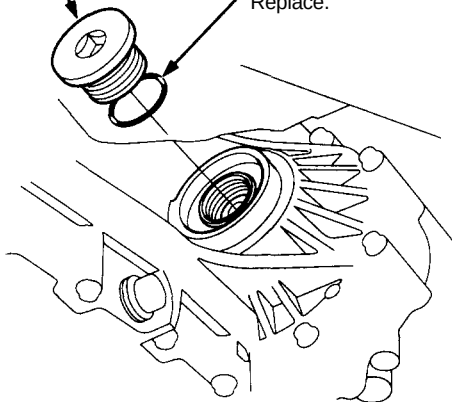


'00-01 models:

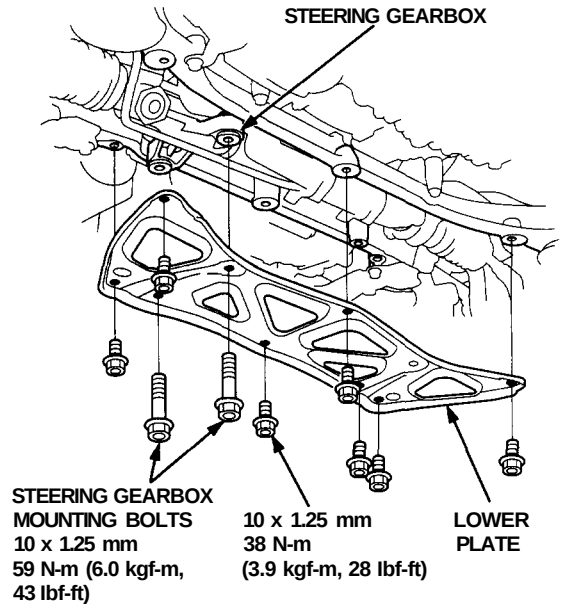
Clean the opening bore of the secondary gear shaft. Install the new O-ring on the sealing bolt, then install them, and tighten the sealing bolt.

SEALING BOLT, 36 mm
78 N-m (8.0 kgf-m, 58 lbf-ft)

O-RING
Replace.

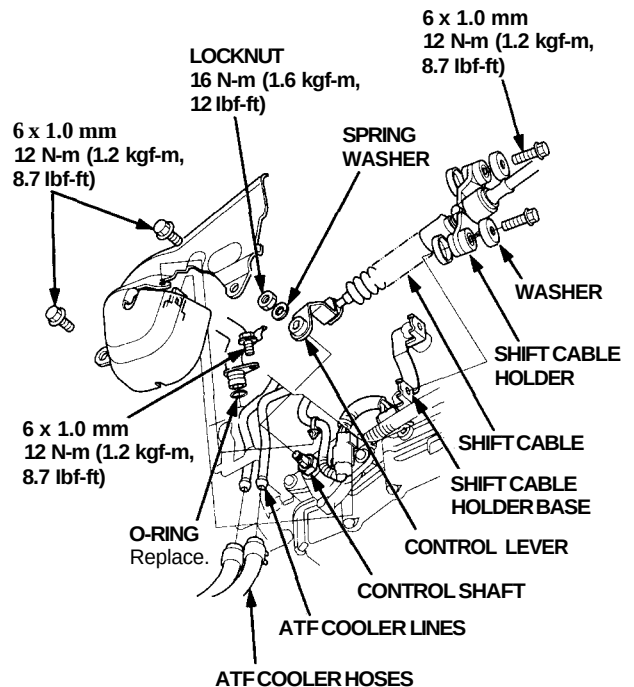


24. Remove the steering gearbox mounting bolts, then install the lower plate.



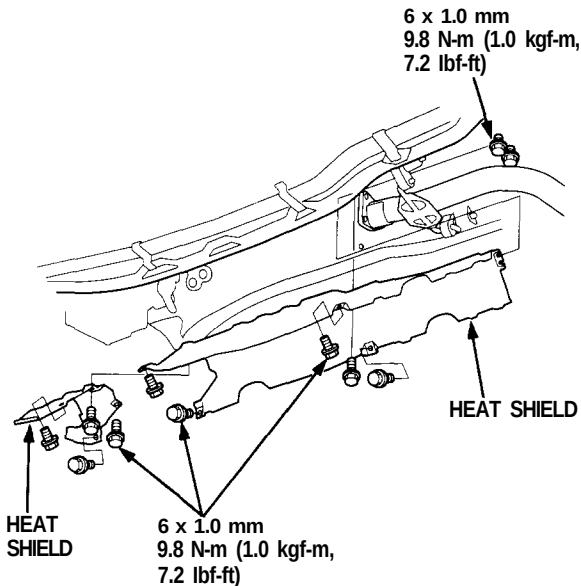
25. Install the control lever on the control shaft.

CAUTION: Take care not to bend the shift cable.

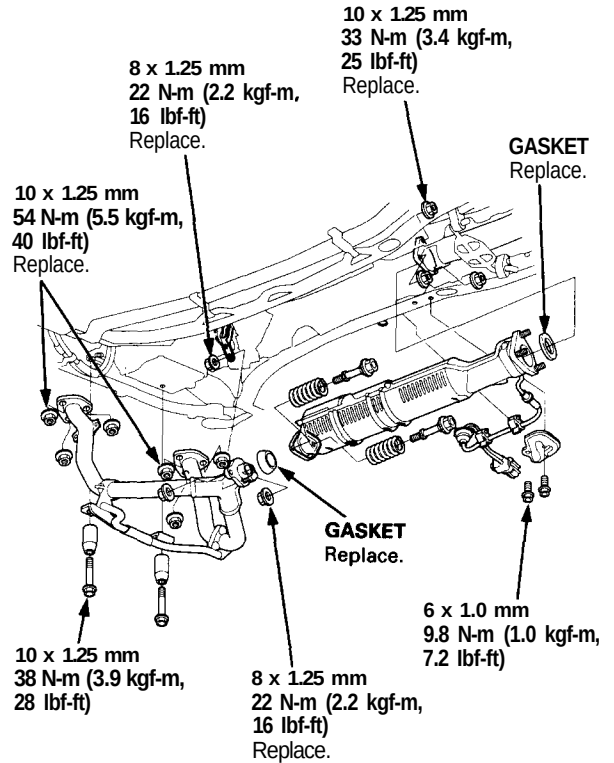




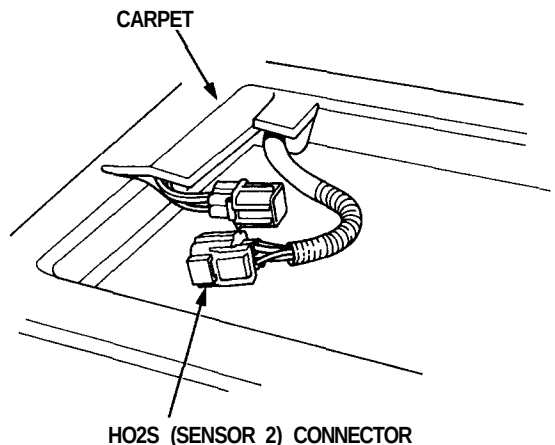
26. Install the shift cable holder on the shift cable holder base.
27. Install the shift cable cover, and install the shift solenoid valve/A/T clutch pressure control solenoid valve harness connector and clamp on the shift cable cover, then tighten the bolts.
28. Connect the ATF cooler hoses to the ATF cooler lines (see page 14-196).
29. Install the ATF dipstick tube with a new O-ring on the torque converter housing.
30. Install the heat shields.



31. Install the exhaust pipe A and the three way catalytic converter, then install the transmission stop collars.



32. Push the secondary HO2S connector into the vehicle, then secure with the harness grommet.
33. Install the secondary HO2S harness cover.
34. Connect the secondary HO2S connector.

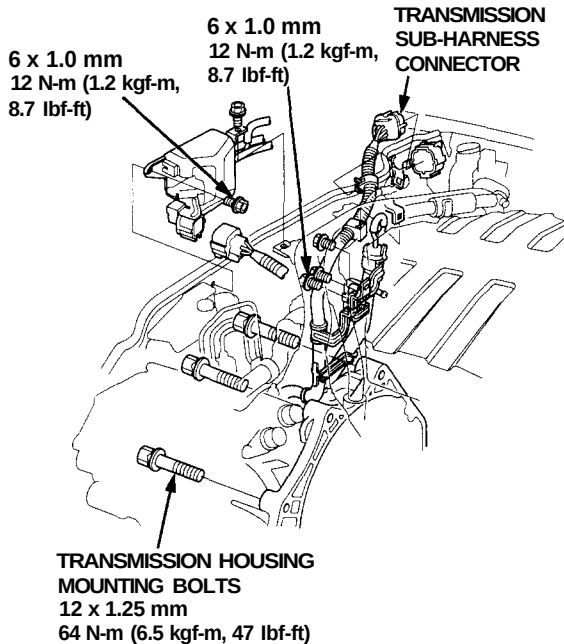


(cont'd)

Transmission

Installation (cont'd)

35. Install the transmission housing mounting bolts.



36. Install the ATF dipstick tube bracket bolts.
37. Connect the transmission sub-harness connector.
38. Install the control box.
39. Install the strut brace.
40. Refill the transmission with the recommended ATF (see page [14-108](#)).
41. Connect the battery positive (+) and negative (-) cables to the battery terminals.
42. Set the parking brake. Start the engine, and shift the transmission through all gears three times. Check the shift lever operation and the A/T gear position indicator operation.
43. Let the engine reach normal operating temperature (the radiator fan comes on) with the transmission in the **N** or **P** position, then turn it off and check ATF level.
44. Road test as described on pages [14-104](#) thru [14-106](#).
45. Enter the anti-theft radio code for the radio, then enter the customer's radio station presets.
46. Memorize the engine idle speed signal in the PCM (see page [11-111](#)).