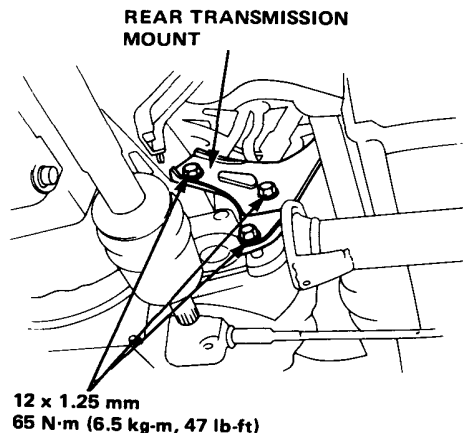


# Installation

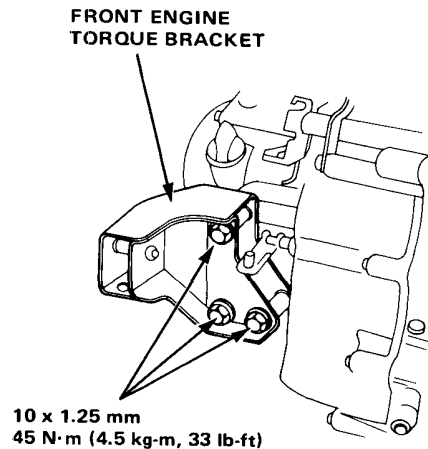
1. Slide the torque converter onto mainshaft.
2. Place the transmission on the transmission jack, and raise to the engine level.
3. Check that the two 14 mm dowel pins are installed in the torque converter housing.
4. Align the dowel pins with holes in block; align the torque converter bolt heads with holes in drive plate.
5. If you left the front end connected on driver's side, insert the left axle (with new spring clip on the end) into the differential as you roll the transmission up to the engine.

**NOTE:** New 26 mm spring clips must be used on both axles.

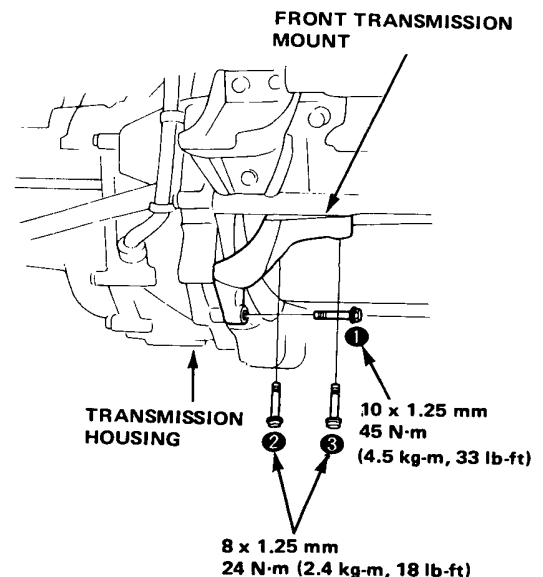
6. Secure the transmission to engine with the engine side mounting bolt (12 x 1.25 x 70 mm) and torque to 68 N·m (6.8 kg-m, 50 lb-ft).
7. Attach the torque converter to the drive plate with eight (6 x 10 x 12 mm) bolts, and torque to 12 N·m (9 lb-ft). Rotate the crank as necessary to tighten bolts to 1/2 torque, then final torque, in a criss-cross pattern. Check for free rotation after tightening the last bolt.
8. Install the shift cable. (page 16-21)
9. Remove the transmission jack.
10. Install the torque converter cover plate.
11. Install the rear transmission mount and torque its bolts to 6.5 N·m (6.5 kg-m, 47 lb-ft).



12. Install the engine torque bracket and torque its bolts to 45 N·m (4.5 kg-m, 33 lb-ft).



13. Loosely install the front transmission mount bolts, then torque in the sequence shown.





14. Install the starter mounting bolts and torque to 45 N·m (4.5 kg-m, 33 lb-ft).
15. Install a new 26 mm spring clip on the end of each axle.
16. Turn the right steering knuckle fully outward, and slide axle into the differential until you feel its spring clip engage side gear. Repeat on the left side or, if the left axle is already in (step 5), check to be sure the spring clip has engaged side gear.
17. Reconnect the lower arm ball joints and torque to 45 N·m (4.5 kg-m, 33 lb-ft).
18. Reconnect the tie-rod end ball joints and torque to 45 N·m (4.5 kg-m, 33 lb-ft).
19. Install the splash shields and exhaust header pipe.
20. Install the front wheels, lower car to ground, and torque lug nuts to 110 N·m (11.0 kg-m, 80 lb-ft).
21. Remove the hoist chain from the 8 mm bolt on the cylinder head.
22. Insert the speedometer cable into gear holder, then secure the cable with clip and install the boot.
23. *Install the top three transmission mounting bolts (12 x 1.25 x 60 mm) and torque to 58 N·m (5.8 kg-m, 42 lb-ft).*
24. Connect the cooler hoses, and torque the banjo bolts to 29 N·m (2.9 kg-m, 21 lb-ft).
25. Attach the shift control cable to shaft lever with pin and clip, if removed. Check the cable adjustment (page 16-67)
26. Reinstall the center console.
27. Connecting wiring:
  - Battery positive cable to starter.
  - Black/white wire to starter solenoid.
  - Transmission ground cable.
28. With the ignition key OFF, connect the ground cable to the battery and transmission.
29. Unscrew the dipstick from the top of transmission end cover and add 2.9 quarts Dexron® ATF through the hole. Reinstall the dipstick.

NOTE: If the torque converter was replaced, the ATF fill quantity is 5.6 quarts.
30. Start the engine, set the parking brake, and shift the transmission through all gears three times. Check for proper control cable adjustment.
31. Let the engine reach operating temperature with the transmission in Neutral or Park, then turn it off and check the fluid level.
32. Install the throttle control cable and adjust (page 16-68).
33. Road test as described on page 16-71.