

# Transmission

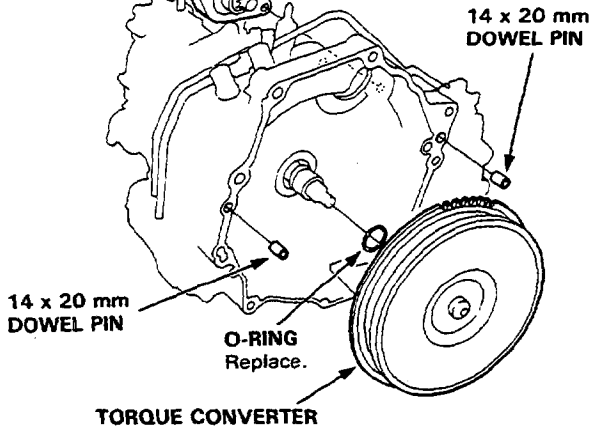
## Installation

1. Install the starter motor on the torque converter housing, then install the 14 mm dowel pins in the torque converter housing.

### MOUNTING BOLTS

44 N·m (4.5 kgf·m, 33 lbf·ft)

### STARTER MOTOR



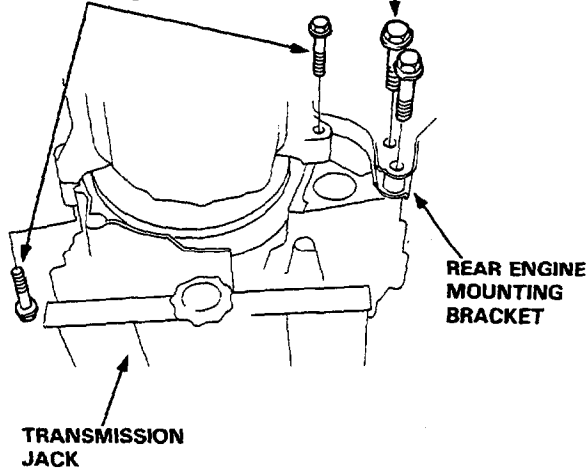
2. Place the transmission on a transmission jack, and raise to the engine level.
3. Attach the transmission to the engine, then install two transmission housing mounting bolts and two rear engine mounting bolts.

### TRANSMISSION HOUSING MOUNTING BOLTS

12 x 1.25 mm  
59 N·m (6.0 kgf·m, 43 lbf·ft)

### REAR ENGINE MOUNTING BOLTS

14 x 1.25 mm  
83 N·m (8.5 kgf·m, 61 lbf·ft)

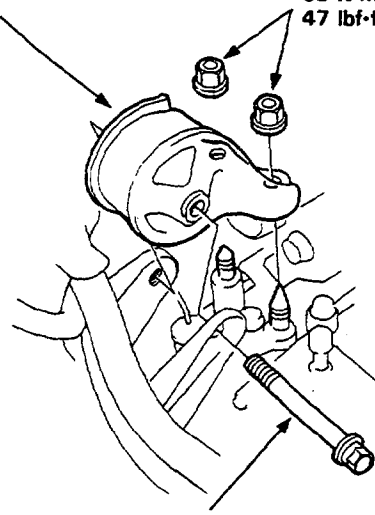


4. Install the transmission side mount.

### TRANSMISSION SIDE MOUNT

12 x 1.25 mm

63 N·m (6.5 kgf·m, 47 lbf·ft)



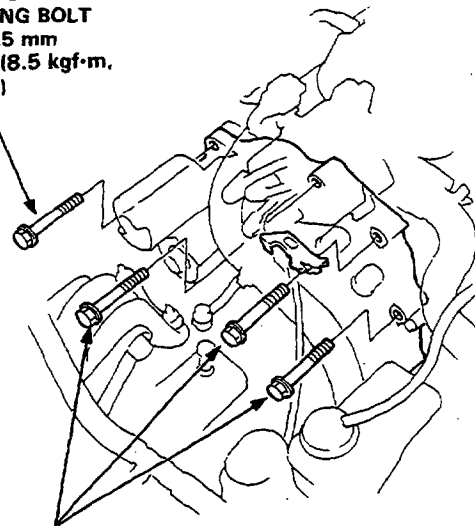
12 x 1.25 mm

63 N·m (6.5 kgf·m, 47 lbf·ft)

5. Install the remaining transmission housing mounting bolts and the remaining rear engine mounting bolt.

### REAR ENGINE MOUNTING BOLT

14 x 1.25 mm  
83 N·m (8.5 kgf·m, 61 lbf·ft)



### TRANSMISSION HOUSING MOUNTING BOLTS

12 x 1.25 mm  
59 N·m (6.0 kgf·m, 43 lbf·ft)

6. Remove the transmission jack and the hoist from the engine.

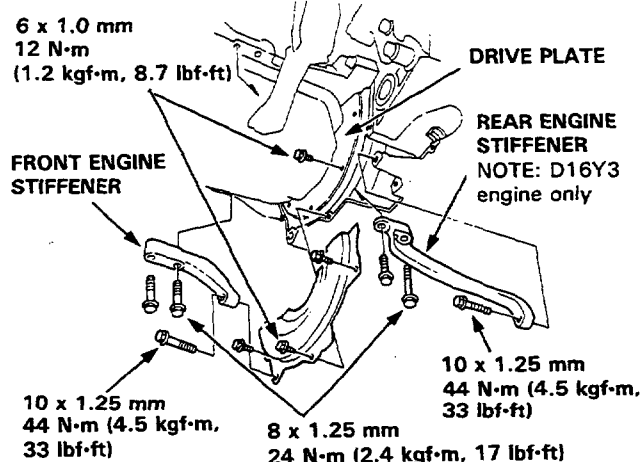


7. Attach the torque converter to the drive plate with eight bolts and torque:  
Rotate the crankshaft as necessary to tighten the bolts to 1/2 of the specified torque, then to the final torque, in a crisscross pattern.  
After tightening the last bolt, check that the crankshaft rotates freely.

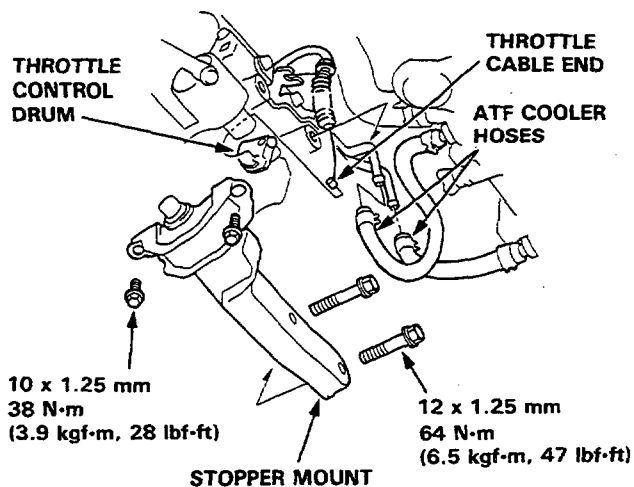
**TORQUE: 12 N·m (1.2 kgf·m, 8.7 lbf·ft)**

8. Install the torque converter cover and engine stiffeners.

**NOTE:** Only the D16Y3 engine uses a rear engine stiffener.

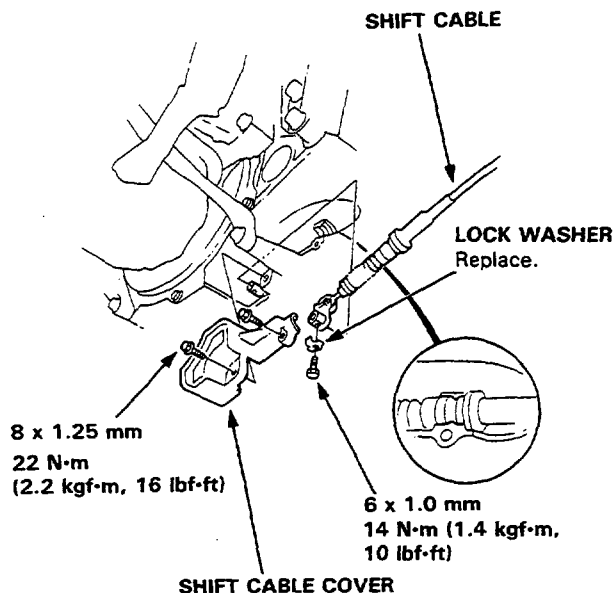


9. Tighten the crankshaft pulley bolt to specified torque (see section 6).
10. Connect the ATF cooler hoses to the joint pipes (see page 14-130).
11. Connect the throttle control cable and install the stopper mount.

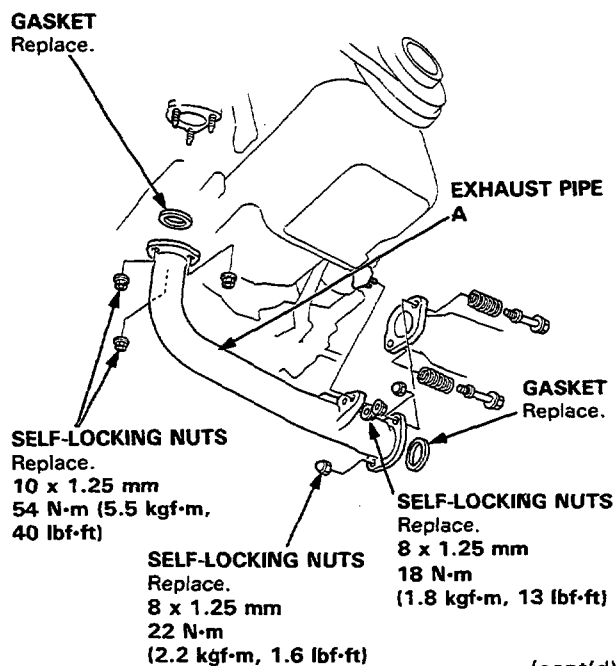


12. Install the control drum with a new lock washer to the control shaft, then install the shift cable cover.

**CAUTION:** Take care not to bend the shift cable.



13. Install the exhaust pipe A.

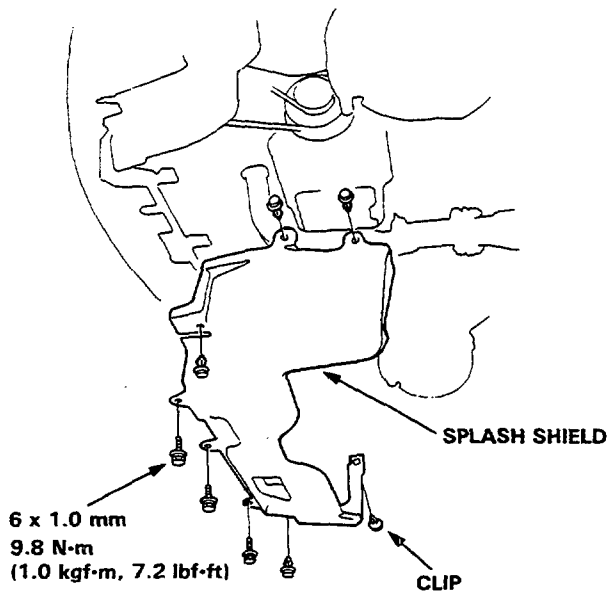


(cont'd)

# Transmission

## Installation (cont'd)

14. Install the splash shield.



15. Install a new set ring on the end of each driveshaft.

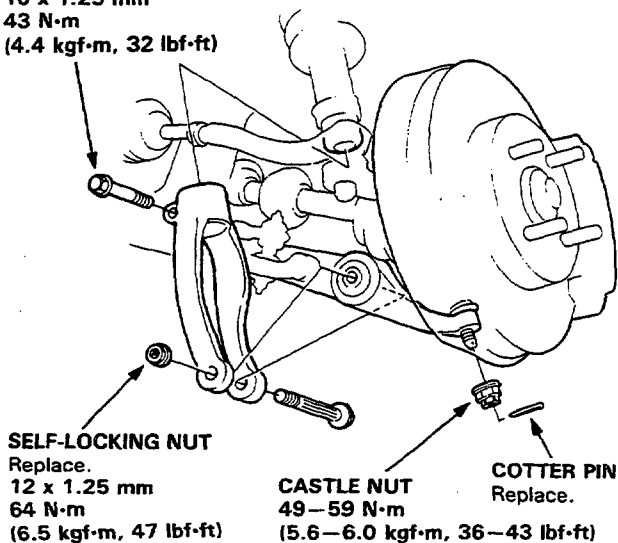
16. Install the right and left driveshafts (see Section 16).

**NOTE:** Turn the right and left steering knuckle fully outward, and slide each drive shaft into the differential until you feel its spring clip engage the side gear.

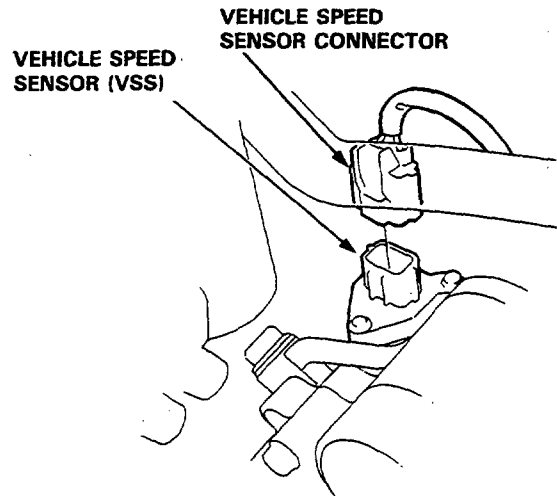
17. Install the damper fork, then install the right and left ball joints to the each lower arm with the castle nuts and a new cotter pins.

### DAMPER PINCH BOLT

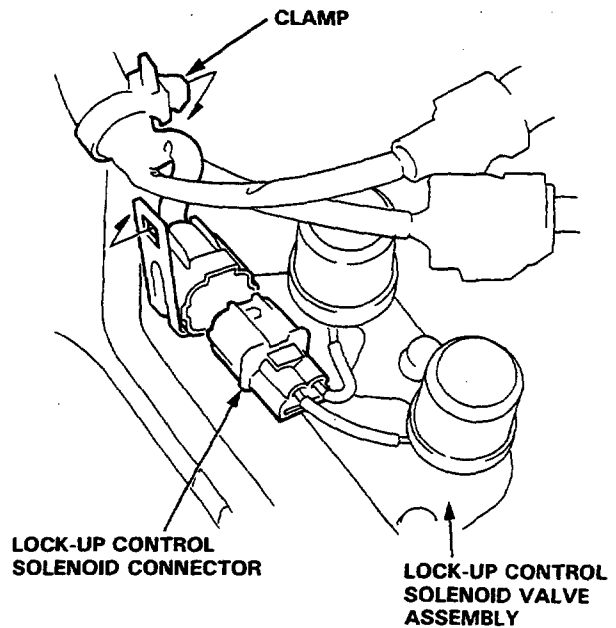
10 x 1.25 mm  
43 N·m  
(4.4 kgf·m, 32 lbf·ft)



18. Connect the vehicle speed sensor (VSS) connector.

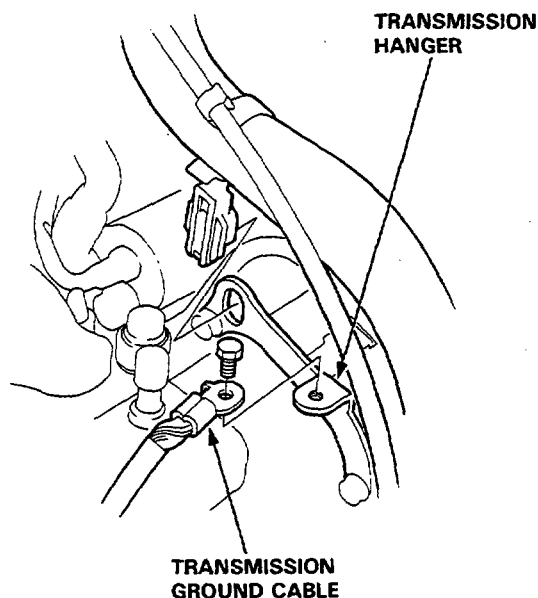


19. Connect the lock-up control solenoid connector, and clamp the harness on the lock-up control solenoid connector stay.



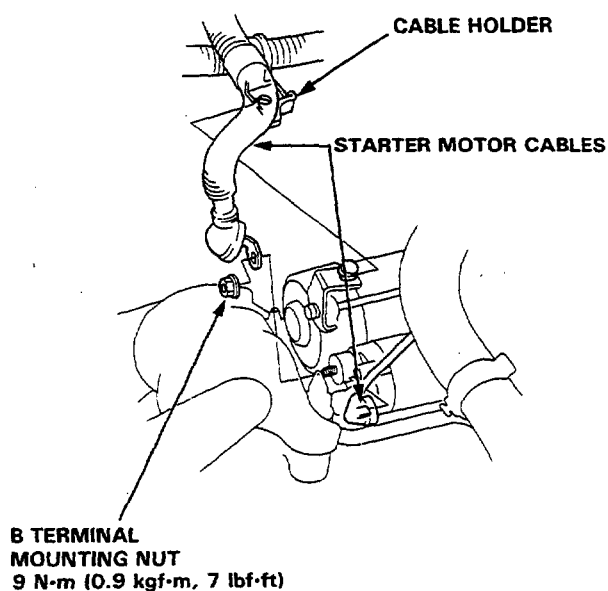


20. Connect the transmission ground cable.

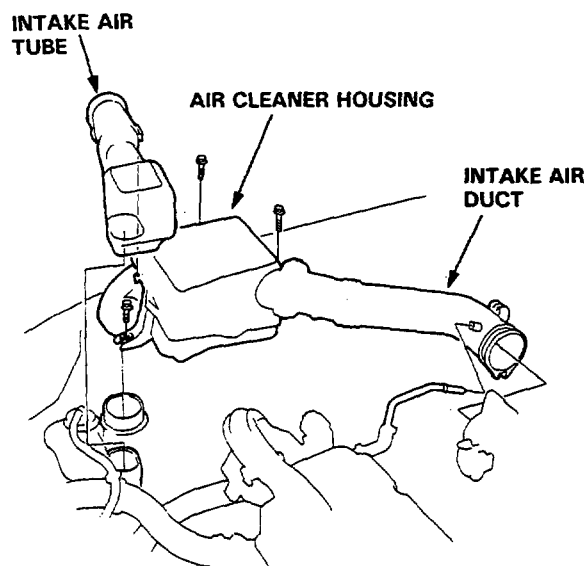


21. Connect the starter motor cables on the starter motor, and install the cable holder.

NOTE: When installing the starter motor cable, make sure that the crimped side of the ring terminal is facing out (see section 23).



22. Install the air cleaner housing assembly, intake air duct and intake air tube.



23. Refill the transmission with ATF (see page 14-52).
24. Connect the positive (+) cable first, then the negative (-) cable to the battery.
25. Check the ignition timing (see section 23).
26. Start the engine. Set the parking brake, and shift the transmission through all gears, three times. Check shift cable adjustment as described on page 14-127.
27. Check the throttle control cable adjustment as described on page 14-132.
28. Check that front wheel alignment (see section 18).
29. Let the engine reach operating temperature (the cooling fan comes on) with the transmission in **N** or **P** position, then turn it off and check fluid level.
30. Road test as described on pages 14-48 thru 50.