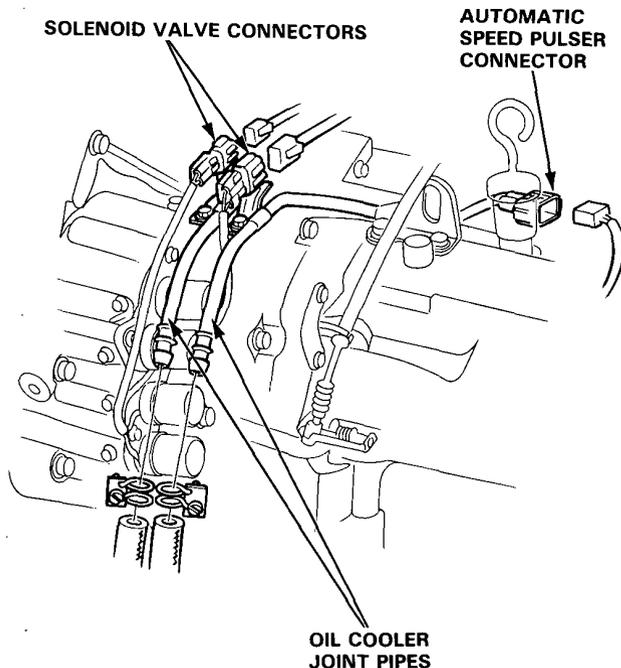


## Removal

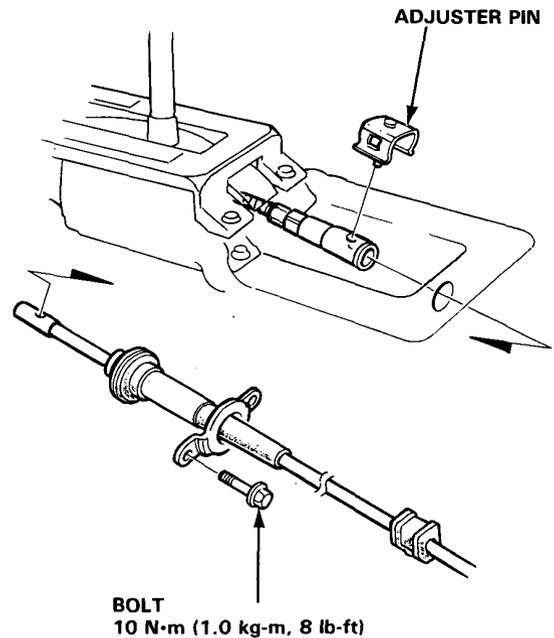
1. Disconnect the battery negative (-) and positive (+) cables from the battery.
2. Disconnect the starter motor and ground cables.
3. Drain ATF. Reinstall the drain plug and washer.
4. Remove the two 6 x 1.0 mm bolts located at the side of the battery base, and intake hose band of the throttle body.
5. Remove the air cleaner case complete with the intake hose (see Section 6).
6. Remove the speedometer gearbox without removing the power steering speed sensor hose.
7. Disconnect the control cable at the torque converter housing.
8. Disconnect the cooler hoses at the joint pipes. Turn the ends up to prevent ATF from flowing out.

**NOTE:** Check for any signs of leak at the hose joints.

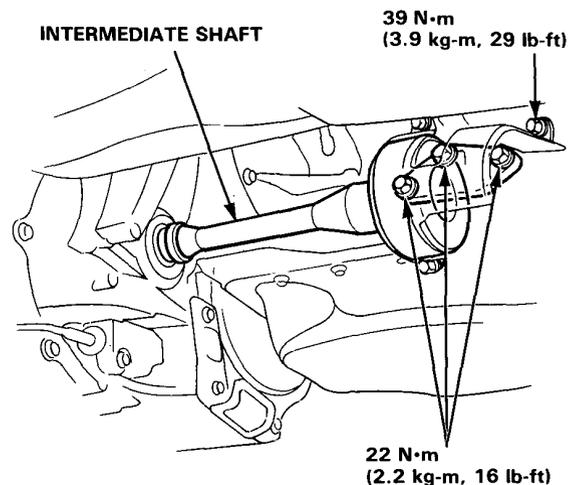
9. Disconnect the lock-up control solenoid valve wire connector, shift control solenoid valve wire connector, and automatic speed pulser wire connector.



10. Remove the center console, pry off the adjuster pin, and disconnect the control cable.
11. Remove the control cable guide bolts, and pull the cable out of the cable.



12. Remove the right and left axles, then remove the intermediate shaft.



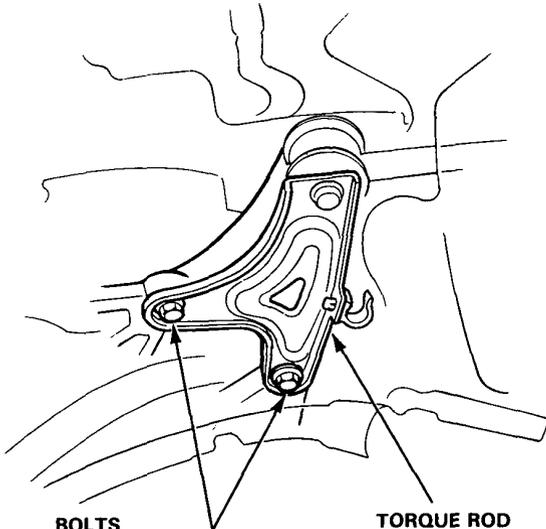
(cont'd)

# Transmission

## Removal (cont'd)

13. Remove the torque converter case mounting bolts from the torque rod bracket.

NOTE: Replace the bolts with new ones whenever loosened or removed.



**BOLTS**  
39 N·m (3.9 kg-m, 29 lb-ft)  
Replace.

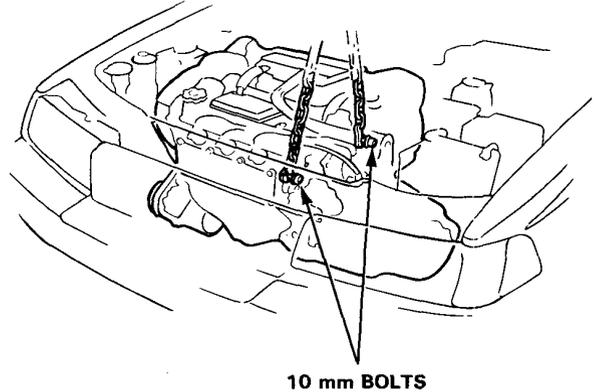
**TORQUE ROD  
BRACKET**

14. Place a jack under the transmission and raise the transmission just enough to take weight off the mounts.

15. Remove the center beam.

16. Attach a chain hoist with the two bolts, then raise the engine a slight amount to unload the mounts.

NOTE: Be sure the hoist does not interfere with distributor high tension wires.

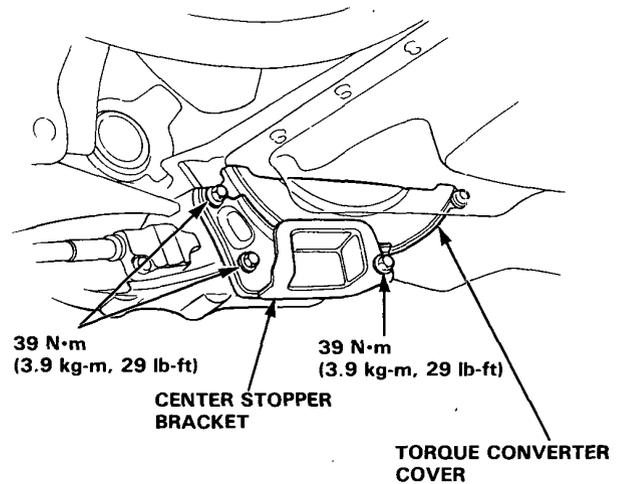


**10 mm BOLTS**

17. While holding the lock nut, remove the radius rod (See Section 7).

18. Remove the center stopper bracket from the transmission.

19. Remove the torque converter cover.



**39 N·m**  
(3.9 kg-m, 29 lb-ft)

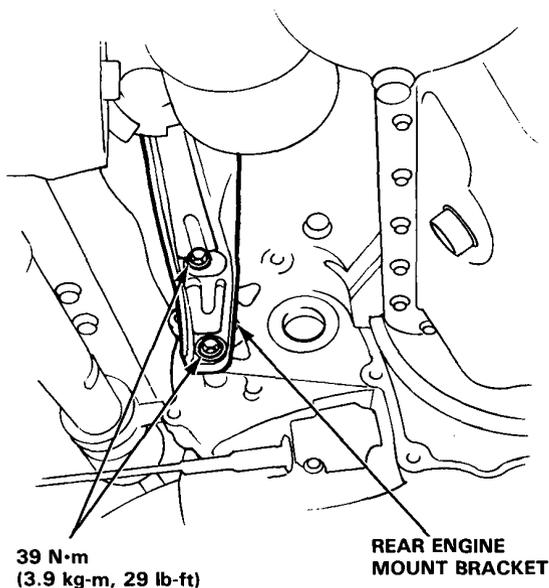
**39 N·m**  
(3.9 kg-m, 29 lb-ft)

**CENTER STOPPER  
BRACKET**

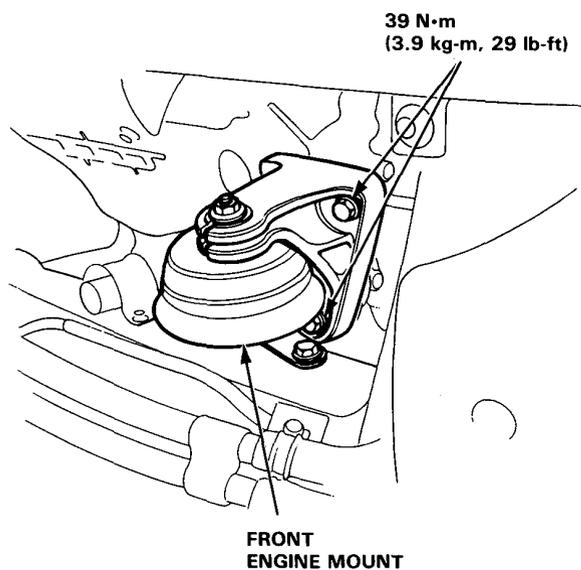
**TORQUE CONVERTER  
COVER**



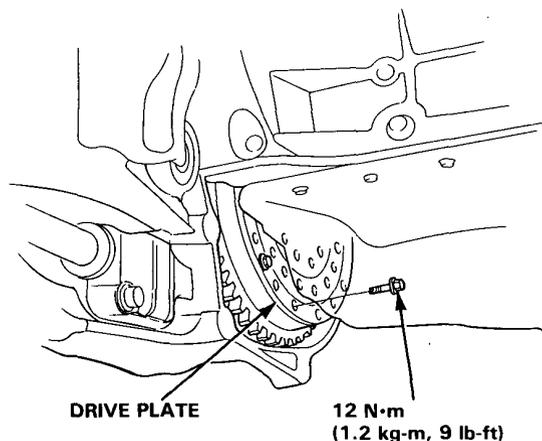
20. Remove the two rear engine mount bolts from the transmission.



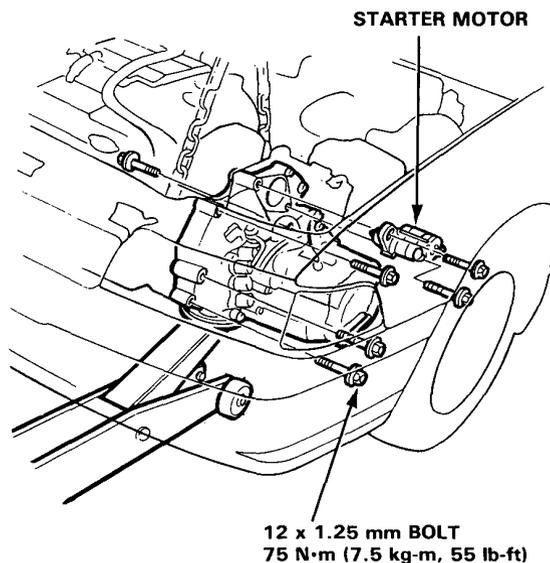
21. Remove the front engine mount bolts from the transmission.



22. Remove the plug, then remove the drive plate bolts one at a time while rotating the crankshaft pulley.



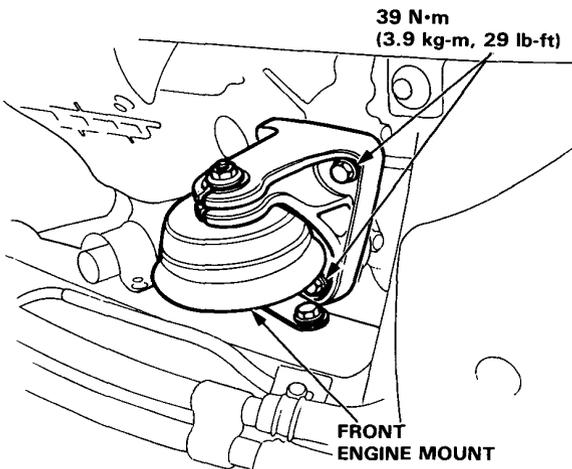
23. Remove the starter motor mount bolts and the starter motor.
24. Remove the remaining bolts attaching the transmission housing to the engine.



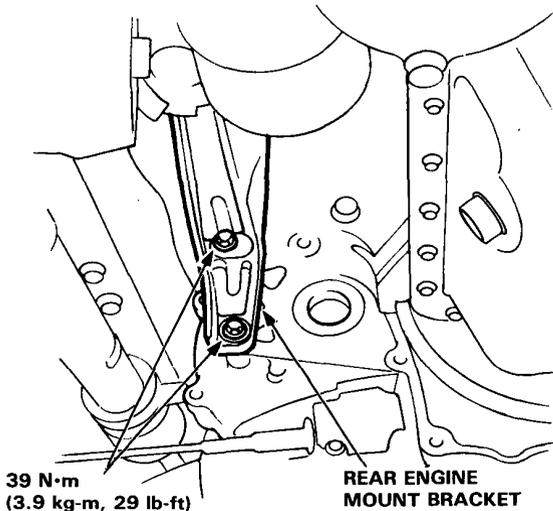
# Transmission

## Installation

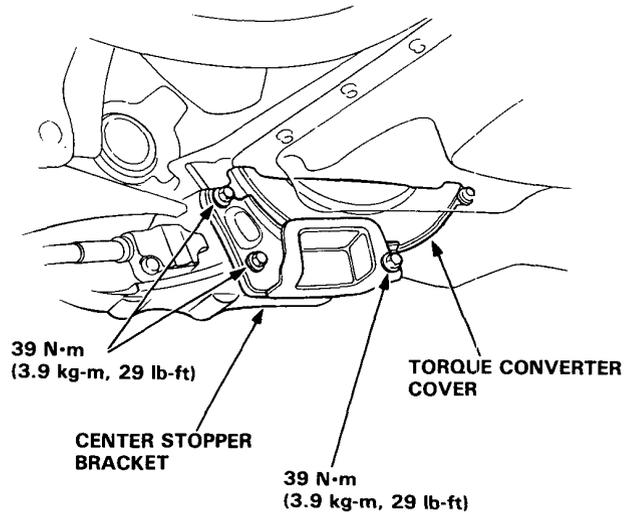
1. Place the transmission on the transmission jack and raise to the engine level.
2. Secure the transmission to the engine with the mounting bolts.
3. Install the starter.
4. Attach the torque converter to the drive plate with mounting bolts, and torque to 12 N·m (1.2 kg-m, 9 lb-ft). Rotate the crank as necessary to tighten bolts to 1/2 torque, then final torque, in a crisscross pattern. Check for free rotation after tightening the last bolt.
5. Install the front engine mount bolts and torque to 39 N·m (3.9 kg-m, 29 lb-ft).



6. Install the transmission to the rear engine mount bracket with two bolts.

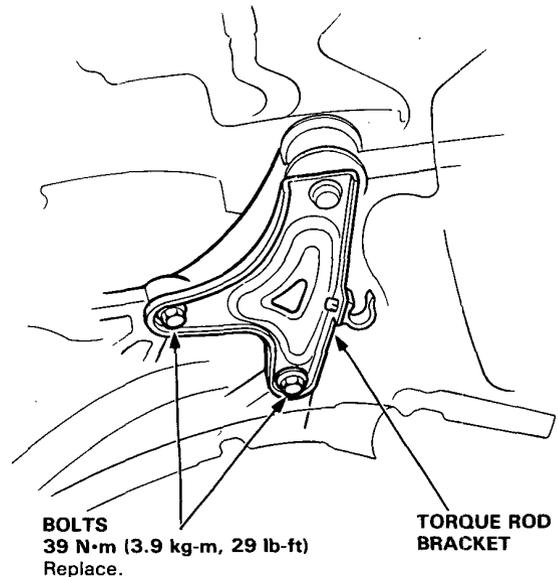


7. Install the torque converter cover.
8. Install the center stopper bracket to the transmission.

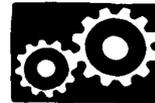


9. Install the torque rod bracket and torque the bolts to 39 N·m (3.9 kg-m, 29 lb-ft).

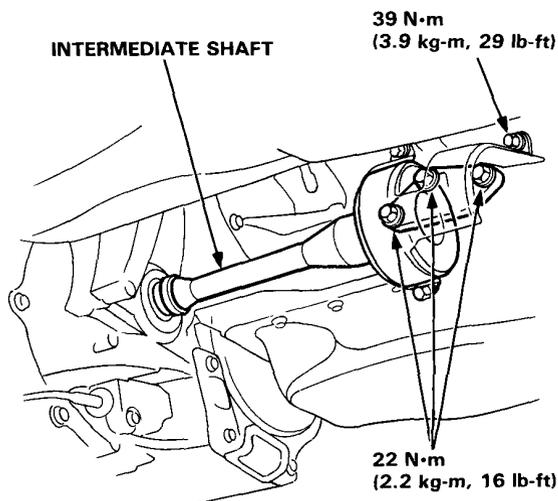
**NOTE:** Replace the bolts with new ones whenever loosened or removed.



10. Remove the transmission jack.



11. Remove the chain hoist by removing the two 10 mm bolts.
12. Connect the intermediate shaft. Install the right and left axles.



13. Install the center beam.
14. Connect the radius rod.
15. Route the control cable to the center console through the cable guide and secure with the bolt.
16. Connect the control cable with the adjuster pin, and reinstall the center console.
17. Connect the lockup control solenoid valve wire connectors.
18. Connect the cooler hoses to the joint pipes.
19. Connect the control cable on the throttle body side.
20. Install the speedometer gearbox.
21. Install the air cleaner case and intake hose.
22. Install the two 6 x 1.0 mm bolts located at the side of the battery base, and retighten the intake hose band of the throttle body.
23. Refill the transmission with ATF.
24. Connect the starter and ground cables.
25. Connect the battery positive (+) and negative (-) cables to the battery.
26. Start the engine, set the parking brake, and shift the transmission through all gears three times. Check for proper control cable adjustment.
27. Let the engine reach operating temperature with the transmission in Neutral or Park, then turn it off and check the fluid level.
28. Road test as described on page 9-32.