

5-Speed Transmission

Installation

1. Place the transmission on transmission jack.

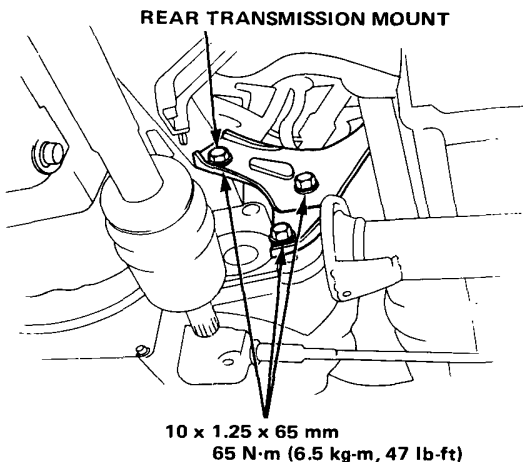
NOTE: Clean and grease release bearing sliding surfaces.

2. Check that two 14 mm dowel pins are installed in the clutch housing.
3. Raise the transmission far enough to align dowel pins with matching holes in block.
4. Roll the transmission toward engine and fit main-shaft into clutch disc splines. If driver's side suspension was left in place, install new spring clips on both axles, then carefully insert left axle into differential as you install transmission.

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

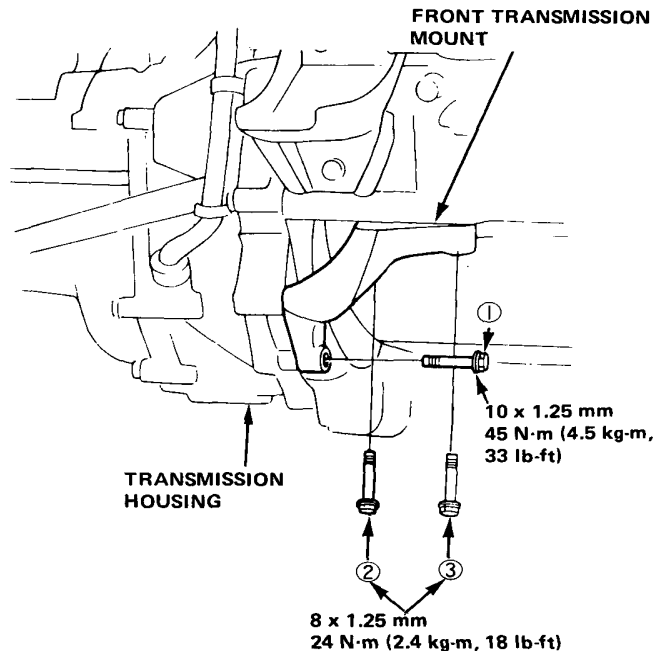
CAUTION: Make sure that axles fully bottom. Slide axle in until you feel spring clips engage differential.

5. Push and wiggle the transmission until it fits flush with engine flange.
6. Secure transmission to engine with mounting bolts from the engine side (12 x 1.25 x 70 mm). Torque to 68 N·m (6.8 kg-m, 50 lb-ft).
7. Install the rear transmission mount on the transmission housing. Torque its bolts to 65 N·m (6.5 kg-m, 47 lb-ft).



8. Install the engine torque bracket on the transmission housing. Torque its bolts to 45 N·m (4.5 kg-m, 33 lb-ft).

9. Loosely install the bolts for the front transmission mount, then torque them torque to in the sequence shown.



10. Turn right steering knuckle/axle assembly outward far enough to insert free end of axle into transmission. Repeat on opposite side.

CAUTION: Make sure that axles fully bottom. Slide axle in until you feel spring clips engage differential.

11. Reconnect the shift rod and shift lever torque rod.
12. Reconnect the lower arm ball joints and torque to 45 N·m (4.5 kg-m, 33 lb-ft).
13. Reconnect the tie-rod end ball joints and torque to 45 N·m (4.5 kg-m, 33 lb-ft).
14. Install the engine and wheel well splash shields.
15. Reconnect the exhaust header pipe.
16. Install the front wheels, lower car to ground, and torque lug nuts to 110 N·m (11 kg-m, 80 lb-ft).



17. Remove chain hoist from the 8 mm bolt on the cylinder head.
18. Install the speedometer cable into the gear holder, then secure cable with clip and install boot.
19. Install the top transmission mounting bolts and torque to 45 N·m (4.5 kg-m, 33 lb-ft).
20. Connect the clutch cable to release arm, then attach cable housing end to transmission bracket.
21. Connect the engine compartment wiring:
 - Battery positive cable to starter.
 - Black/white wire to starter solenoid.
 - Green/black and yellow wires to back-up light switch.
 - Transmission ground cable.
22. With ignition key OFF, connect ground cable to battery and transmission.
23. Refill the transmission and adjust clutch free play. (Page 13-2)
24. Check the transmission for smooth operation.