

TRANSMISSION REMOVAL & INSTALLATION - A/T

Article Text

1993 Honda Prelude

For Cadi Centre Nsk CA 95051

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ARTICLE BEGINNING

1993 TRANSMISSION SERVICING

Honda Motors Transaxle Removal & Installation

Prelude

MANUAL TRANSAXLE

NOTE: For manual transaxle removal and installation procedures, see CLUTCH article in the CLUTCHES section.

AUTOMATIC TRANSAXLE

Removal

1) Disconnect negative battery cable and ground strap at transaxle. Disconnect positive battery cable. Remove battery and battery base. Remove drain plug, and drain transaxle fluid (remove fill plug to speed draining). Install drain plug with NEW washer, and tighten plug to specification. See TORQUE SPECIFICATIONS TABLE at the end of this article.

2) Disconnect wiring for starter motor, transaxle lock-up control solenoid and shift control solenoid. Remove starter. Disconnect mainshaft and countershaft speed sensor connectors. Remove complete air cleaner case assembly. Disconnect and remove throttle control cable at transaxle bracket.

3) Disconnect oil cooler hoses at joint pipes. Plug and support hoses aside. Remove transaxle upper mount bracket and rear stiffener. Remove vehicle speed sensor from transaxle without removing power steering hoses. Remove 4 upper transaxle mounting bolts.

CAUTION: When removing CV joint and drive axle assembly from transaxle, DO NOT pull on drive axle or knuckle. Inboard CV joint may separate. Pull on inboard joint.

4) Raise and support vehicle, and remove front wheels. Remove engine splash shield. Remove center crossmember bolts, and remove crossmember. Remove shock strut damper fork bolts and separate strut damper from fork. Remove right radius rod from control arm and frame. While prying on inboard CV joints, remove both drive axles from transaxle. Remove or support shafts aside. Protect inner CV joint spline from contamination by covering drive axle end by covering it with a plastic bag. Remove left intermediate shaft.

5) Remove engine stiffener bracket from between lower transaxle and engine block. Remove torque converter cover plate. Manually turn crankshaft pulley clockwise to access and remove 8 torque converter mounting bolts from torque converter drive plate.

- 6) Remove shift control cable from transaxle. Using wire, hang cable aside. DO NOT bend cable. Support transaxle using transmission jack. Remove lower bolts from rear engine mount bracket. With jack in place, remove remaining transaxle mounting bolts.
- 7) Separate transaxle from engine block far enough to disengage both 14-mm dowel pins, and then lower transaxle assembly.

Installation

- 1) To install transaxle, reverse removal procedure. Inspect drive plate for cracks, elongated holes and warpage. Replace drive plate if necessary.
- 2) Replace 26-mm spring clips on end of each inner CV joint splined shaft. Check shift control cable and throttle control cable. Adjust cables as necessary. See TRANSMISSION SERVICING - A/T article in AUTOMATIC TRANSMISSION SERVICING section.

TORQUE SPECIFICATIONS

| TORQUE SPECIFICATIONS TABLE | | |
|--|-----|-----------------|
| AA | | |
| Application | | Ft. Lbs. (N.m) |
| Ball Joint-To-Knuckle Bolt | 40 | (54) |
| Center Beam Mounting Bolts | 44 | (60) |
| Center Beam Stiffener Bolts | 29 | (39) |
| Drain Plug | 37 | (50) |
| Drive Plate-To-Crankshaft Bolts | 55 | (75) |
| Engine Stiffener Mounting Bolts | 33 | (45) |
| Starter Mounting Bolts | 33 | (45) |
| Strut Damper Fork Bolt Lock Nut | 48 | (65) |
| Strut Damper Pinch Bolt | 32 | (44) |
| Transaxle-To-Engine Mounting Bolts | 48 | (65) |
| Wheel Lug Nuts | 80 | (109) |
| | | INCH Lbs. (N.m) |
| Torque Converter Cover Bolts | 108 | (12) |
| Torque Converter Mounting Bolts | 108 | (12) |
| AA | | |

END OF ARTICLE