

STEERING COLUMN

Article Text

1993 Honda Prelude

For Cadi Centre Nsk CA 95051

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Sunday, July 08, 2001 11:36AM

ARTICLE BEGINNING

1993 STEERING

Honda - Steering Column

Prelude

DESCRIPTION & OPERATION

A 2-piece safety steering column with a slip-joint flange connection is used. The steering column is supported by a column tube and a steering lock assembly. All models are equipped with standard driver's side air bag.

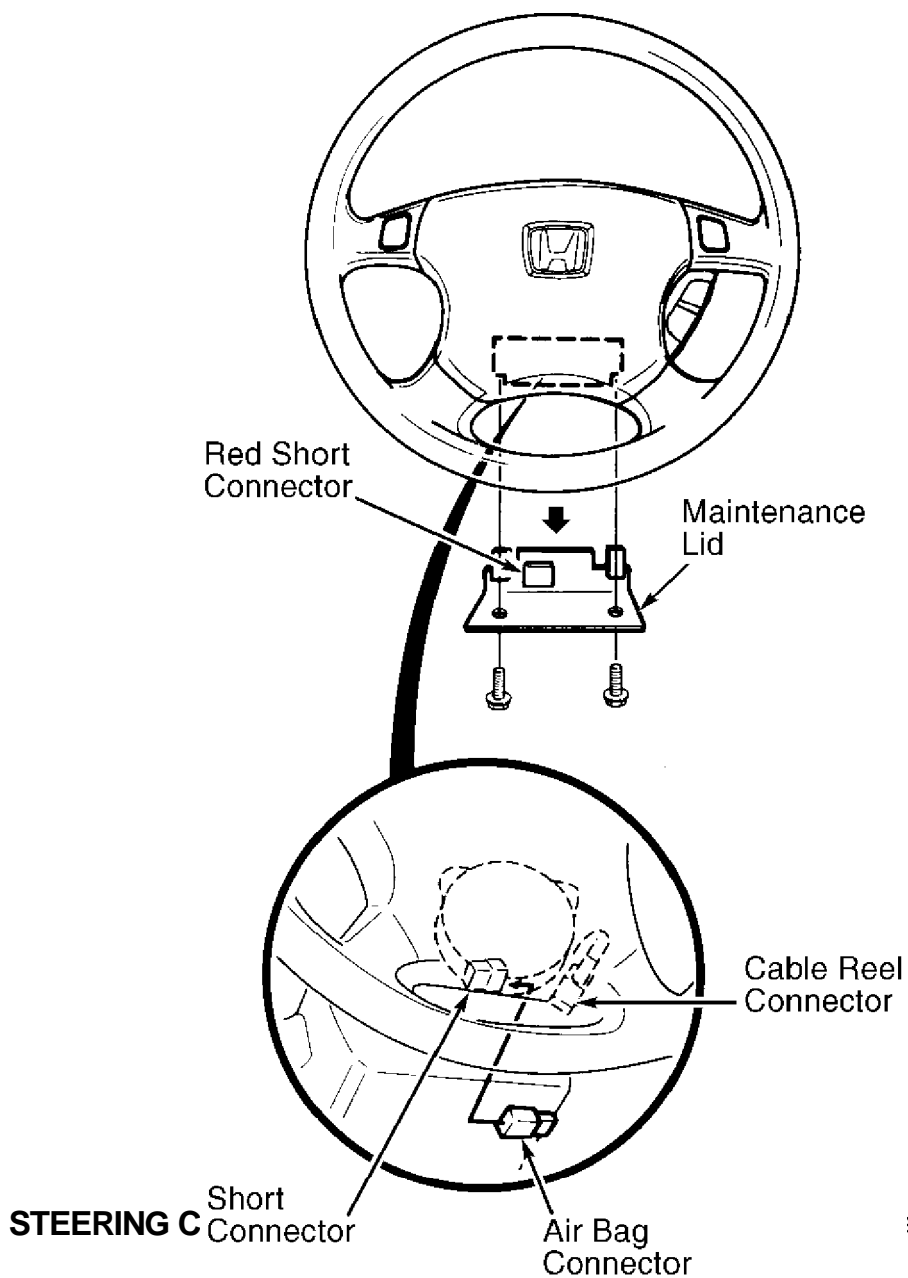
WARNING: Before performing ANY repairs on steering column or column components, Supplemental Restraint System (SRS) MUST be disabled. See DISABLING & ACTIVATING AIR BAG SYSTEM
Accidental air bag deployment could cause serious bodily injury.

DISABLING & ACTIVATING AIR BAG SYSTEM

NOTE: Some models are equipped with stereo theft protection system. Technician should obtain 5-digit security code before disconnecting battery cable.

DISABLING AIR BAG

Disconnect both battery cables. Remove maintenance lid from bottom rear of steering wheel. Remove Red short connector, located on inside of maintenance lid. Disconnect connector between air bag and cable reel. Connect Red short connector to air bag side of connector. See Fig. 1.



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Fig. 1: Connecting Red Short Connector To Air Bag Connector
 Courtesy of American Honda Motor Co., Inc.

ACTIVATING AIR BAG

1) To activate SRS, remove Red short connector from air bag side of connector and reconnect the connector between air bag and cable reel.

2) Return Red short connector to storage location on inside of maintenance lid. Install maintenance lid on back of steering wheel.

3) Reconnect battery cables. Check AIR BAG indicator light to

ensure system is functioning properly.

REMOVAL & INSTALLATION

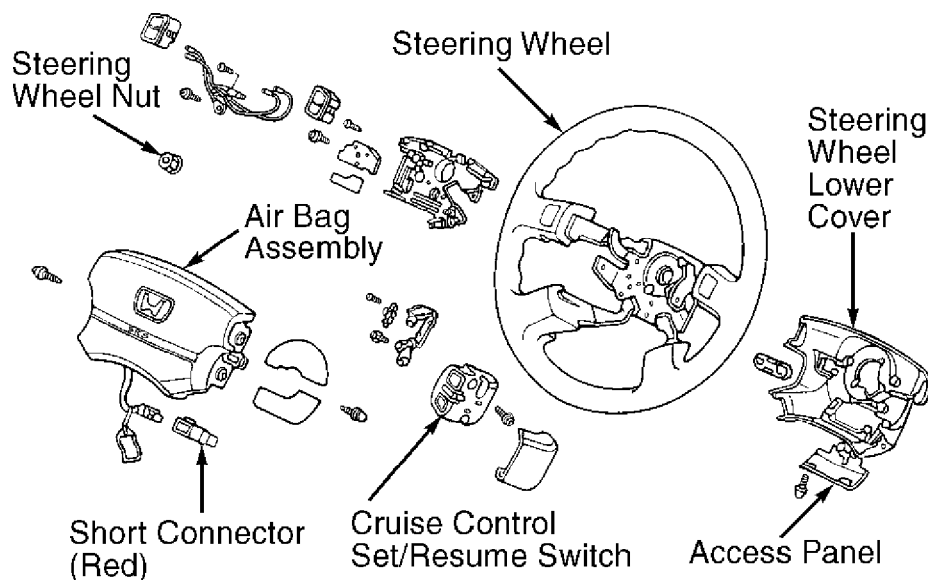
STEERING WHEEL & HORN PAD

Removal & Installation

1) Disconnect negative battery cable. Disable air bag system. See **DISABLING & ACTIVATING AIR BAG SYSTEM** To remove air bag assembly, remove 2 Torx bolts using a T30 bit.

WARNING: Place air bag assembly on workbench. Pad surface **MUST** face up. If air bag is stored face down, accidental deployment could propel assembly sufficiently to cause serious bodily injury.

2) Remove steering wheel nut. See Fig. 2. Using a slight side-to-side motion, remove steering wheel assembly by pulling outward by hand. To install, reverse removal procedure.



93G00360
Fig. 2: Exploded View Of Steering Wheel Assembly (Typical)
Courtesy of American Honda Motor Co.

CAUTION: DO NOT install an air bag assembly that is dented, cracked or shows signs of having been dropped.

COMBINATION SWITCH

WARNING: Before performing ANY repairs on steering column or column components, Supplemental Restraint System (SRS) MUST be

STEERI

disabled. See **DISABLING & ACTIVATING AIR BAG SYSTEM**
Accidental air bag deployment could cause serious bodily injury.

NOTE: Some models are equipped with stereo theft protection system. Technician should obtain 5-digit security code before disconnecting battery cable.

Removal & Installation

1) Before proceeding, disable SRS. See **DISABLING & ACTIVATING AIR BAG SYSTEM** Ensure front wheels are facing straight-ahead.

2) Cable reel is located under steering wheel, in upper steering column. See Fig. 3. Remove dashboard lower cover and knee bolster. Remove air duct. Disconnect cable reel connector from SRS main harness at base of steering column, then remove connector holder.

3) Remove air bag assembly from steering wheel. See **STEERING WHEEL & HORN PAD**. Disconnect connectors from horn and cruise control switches. Remove steering wheel nut. Mark steering wheel position to shaft and remove steering wheel. Remove upper and lower column covers. Disconnect combination switch connectors. Remove canceling sleeve, cable reel and combination switch. See Fig. 4.

4) To install, reverse removal procedure. Before installing steering wheel, center cable reel by rotating it clockwise until it stops and then counterclockwise approximately 2 turns. Arrow mark should face up and Yellow gear tooth should be aligned with mark. See Fig. 3.

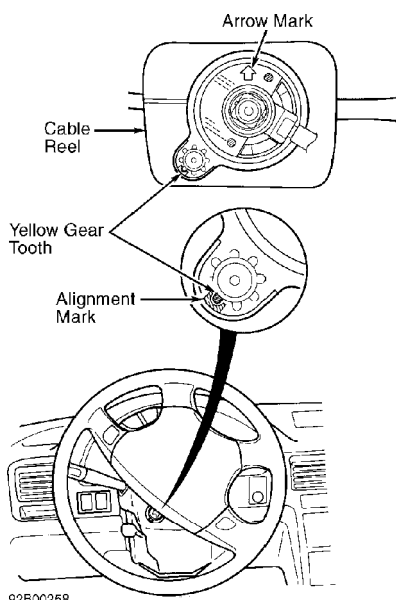


Fig. 3: Locating Cable Reel Alignment Marks (Typical)
Courtesy of American Honda Motor Co., Inc.

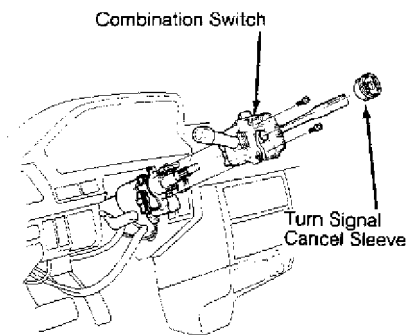


Fig. 4: Removing Turn Signal Cancel Sleeve & Combination Switch (Typical)
 Courtesy of American Honda Motor Co.

TURN SIGNAL SWITCH

See COMBINATION SWITCH.

IGNITION SWITCH

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Removal

Remove steering wheel and horn pad. See STEERING WHEEL & HORN PAD. Remove steering column covers. Disconnect ignition switch. Center punch 2 shear bolts and carefully drill heads off lock shear bolts. Remove bolts and switch.

Installation

1) Install ignition switch. Use NEW shear bolts and tighten loosely. Ensure pin on ignition switch is aligned with hole in steering column.

2) Insert key and check for proper operation of ignition switch. If switch operates properly, tighten shear bolts until heads break off. To complete installation, reverse removal procedure.

STEERING COLUMN

WARNING: Before performing ANY repairs on steering column or column components, Supplemental Restraint System (SRS) MUST be disabled. See DISABLING & ACTIVATING AIR BAG SYSTEM
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1) Remove steering wheel and horn pad. See STEERING WHEEL & HORN PAD. Remove combination switch and set aside on vehicle floor. DO NOT disconnect combination switch connector. See COMBINATION SWITCH. If equipped with 4WS, remove main steering angle sensor over steering column. On all models, disconnect remaining wire connectors from left side fuse box, under dash.

2) Remove steering joint cover. Center tilt lock assembly. See Fig. 5. Remove steering joint bolts. Slide steering joint upward on column. Align steering joint upper bolt hole with groove around column. Loosely install upper bolt. See Fig. 6.

3) Loosen, but DO NOT REMOVE, column holder flange bolts. See Fig. 7. Remove upper and lower column covers. Remove holder flange bolts. Remove steering column assembly.

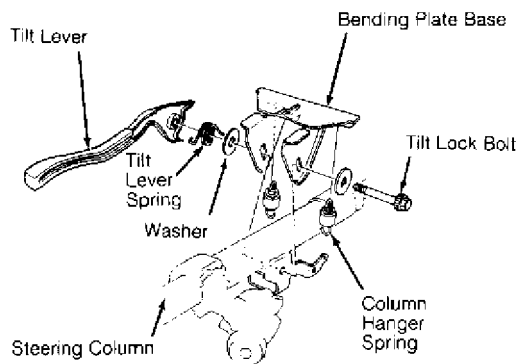


Fig. 5: Exploded View Of Tilt Lock Assembly (Typical)
Courtesy of American Honda Motor Co.

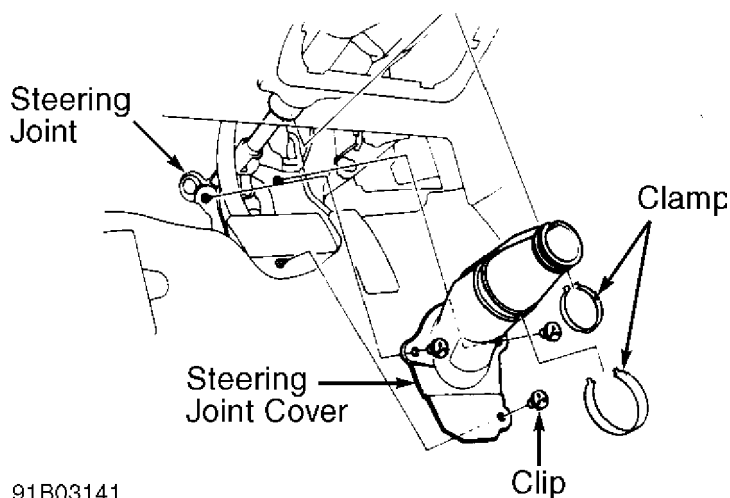
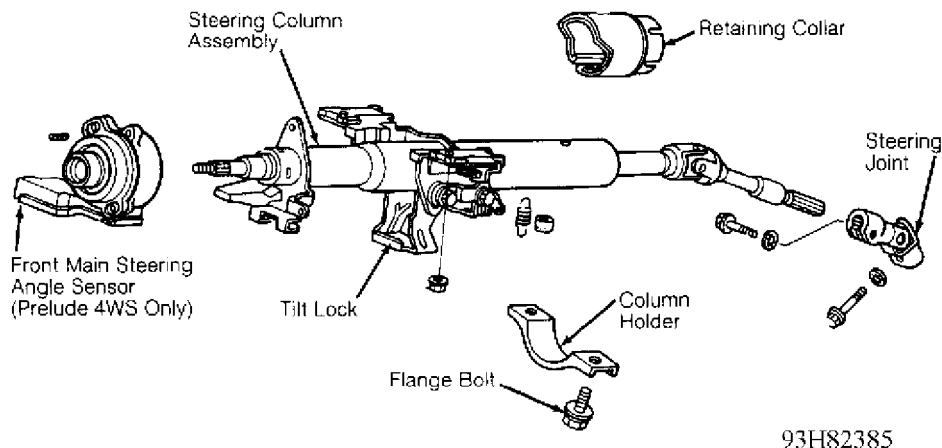


Fig. 6: Removing Steering Joint Cover
Courtesy of American Honda Motor Co.



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Fig. 7: Steering Column Assembly (Typical)
Courtesy of American Honda Motor Co.

Installation

1) Guide steering shaft through firewall. Align bolt hole in steering joint with slot in steering gear pinion shaft. Install steering joint on pinion shaft. Loosely install steering joint bolt. Install steering column and column holder flange bolts. Tighten bolts to specification. See TORQUE SPECIFICATIONS TABLE

2) Connect ignition switch connector. Install steering joint cover. If equipped with 4WS, install main steering angle sensor over steering column. On all models, install combination switch, canceling sleeve and circlip. Install cable reel assembly, taking care to align slot in canceling sleeve with projection on cable reel.

3) Install SRS wire harness on underside of column bracket with clip. Install upper and lower column covers. Install air duct. Install driver's side knee bolster and dashboard lower cover. Install steering wheel and air bag assembly. See STEERING WHEEL & HORN PAD

OVERHAUL

NOTE: Steering column overhaul is not recommended by manufacturer. If worn or damaged, replace steering column as an assembly.

TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS TABLE

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Application	Ft. Lbs. (N.m)
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STEERING COLUMN Article Text (p. 7)	1993 Honda Prelude For Cadi Centre Nsk CA 95051 Copyright © 1998 Mitche
Lower Column Holder Flange Bolts	29 (39)
Lower Steering Joint Bolts	16 (22)
Steering Wheel Nut	37 (50)

Tilt Lock Bolt 14 (20)

INCH Lbs. (N.m)

Air Bag Assembly Torx Bolts 89 (10)

Tilt Lock Nut (Left-Hand Thread) 89 (10)

Tilt Lock Plate Bolt 89 (10)

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END OF ARTICLE