

STEERING COLUMN SWITCHES

Article Text

1993 Honda Prelude

For Cadi Centre Nsk CA 95051

Copyright © 1998 Mitchell Repair Information Company, LLC

Sunday, July 08, 2001 11:36AM

ARTICLE BEGINNING

1993 ACCESSORIES & EQUIPMENT

Honda Steering Column Switches

Prelude

AIR BAG WARNING

WARNING: Before performing ANY tests or repairs on steering column switches, 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

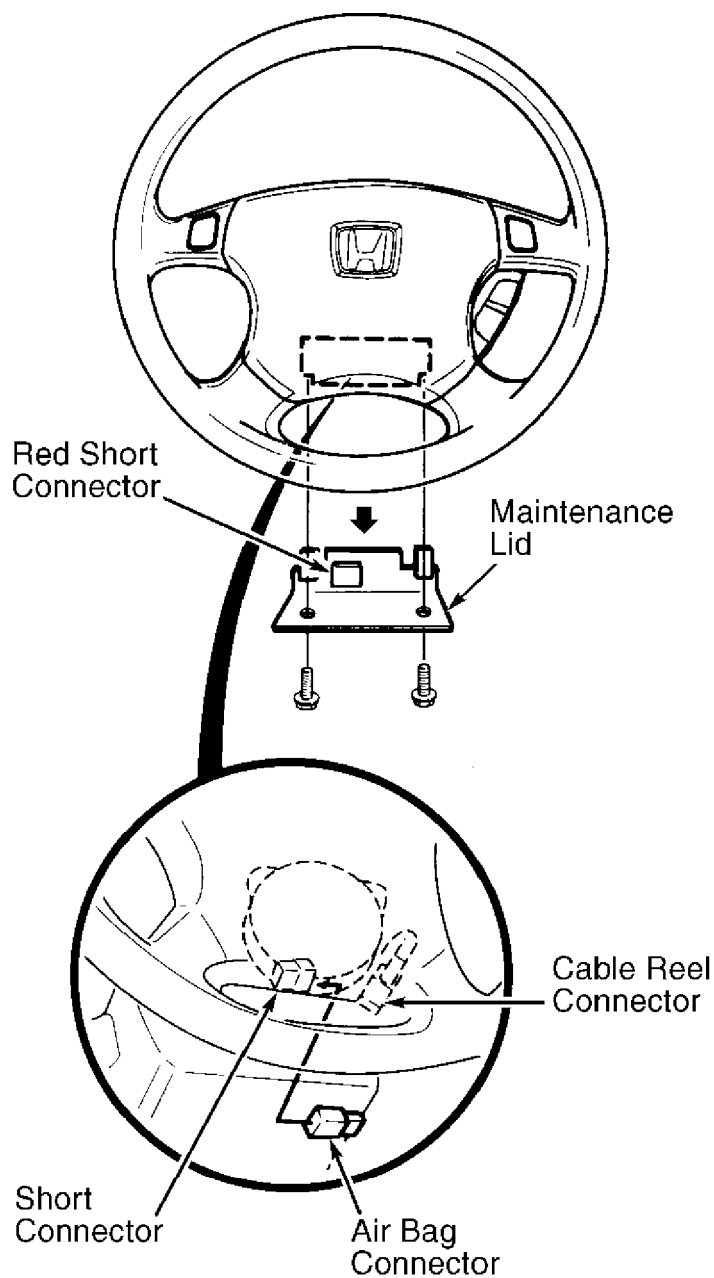
Disconnect both battery cables. Remove maintenance lid from bottom rear of steering wheel. Remove Red short connector, located on inside of maintenance lid. Disconnect connector between air bag and cable reel. Connect Red short connector to air bag side of connector. See Fig. 1.

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.



91G12936
Fig. 1: Connecting Red Short Connector To Air Bag Connector
 Courtesy of American Honda Motor Co., Inc.

STEERING COLUMN SWITCHES Article Text (p. 2)1993 Honda PreludeFor Cadi Centre Nsk CA 95051Copyrig
TESTING

COMBINATION SWITCH

Disable air bag system. See **DISABLING & ACTIVATING AIR BAG SYSTEM**. Remove instrument cluster lower trim panel. Disconnect combination switch 5-pin and 20-pin connectors. With combination switch in indicated positions, check continuity between specified

switch connector terminals. See Fig. 2.

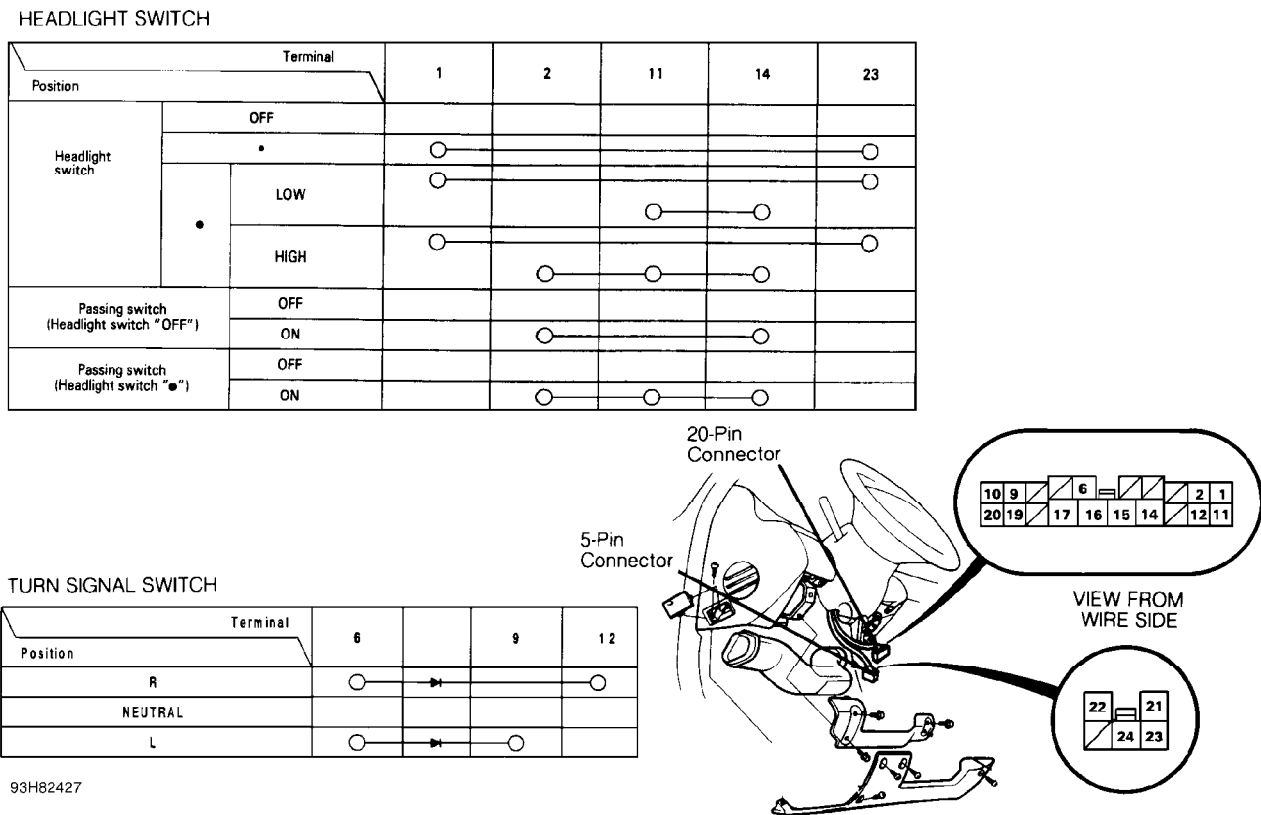


Fig. 2: Testing Headlight/Turn Signal Switch
Courtesy of American Honda Motor Co., Inc.

HAZARD WARNING SWITCH

Remove center console trim panel. Remove retaining screw from switch. Slowly rotate switch clockwise and remove from console. Disconnect 6-pin connector. With hazard switch in specified position, use an ohmmeter to check continuity between switch terminals. See Fig. 3. If continuity is not as specified, replace hazard warning switch.

Terminal Position	D		E	F	A		B
ON	○	→	○	○	○	→	○
OFF							

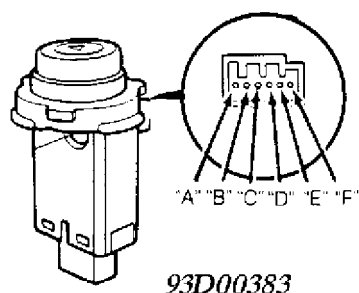


Fig. 3: Testing Hazard Warning Switch
Courtesy of American Honda Motor Co., Inc.

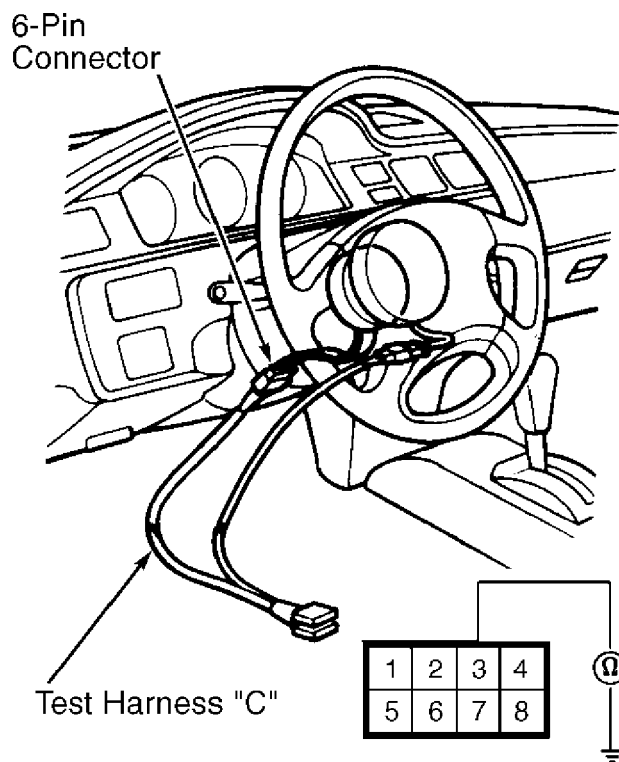
HORN SWITCH

1) Disable air bag system. See DISABLING & ACTIVATING AIR BAG SYSTEM. Disconnect cable reel and main harness 6-pin connector. Connect SRS Test Harness "C" (07LAZ-SL40300) to cable reel side of 6-pin connector. Using an ohmmeter, check for continuity between test harness terminal No. 3 and ground with the horn switch depressed. Continuity should exist.

2) If continuity exists, switch is okay. If continuity does not exist, remove air bag assembly using T30 TORX screwdriver to remove retaining screws. Remove air bag assembly and place on workbench with pad surface facing up.

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

3) With horn switch depressed, check for continuity between horn positive cable and steering column shaft. See Fig. 4. Continuity should exist. If no continuity exists, replace horn switch.



93B00381

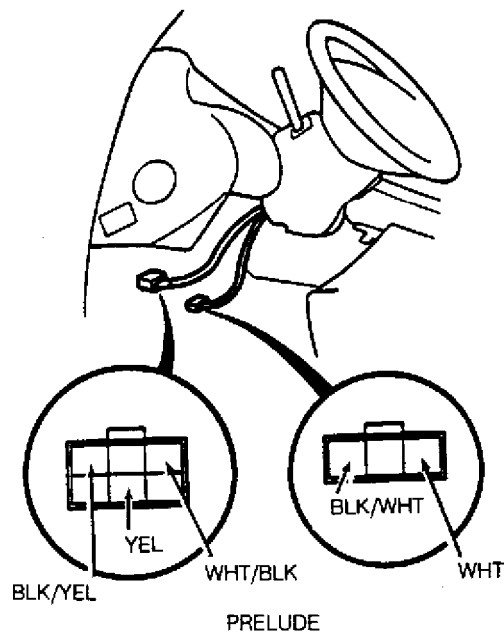
Fig. 4: Testing Horn Switch (Typical)
 Courtesy of American Honda Motor Co., Inc.

IGNITION SWITCH

Disable air bag system. See **DISABLING & ACTIVATING AIR BAG SYSTEM**. Disconnect 5-pin connector from dash fuse block. Disconnect 3-pin connector from main wiring harness. With ignition switch in indicated positions, check continuity between specified switch terminals. See Fig. 5.

IGNITION SWITCH CONTINUITY

Terminal Position	WHT/ BLK (ACC)	WHT (BAT)	BLK/ YEL (IG1)	YEL (IG2)	BLK/ WHT (ST)
0					
I	○	○			
II	○	○	○	○	
III		○	○		○

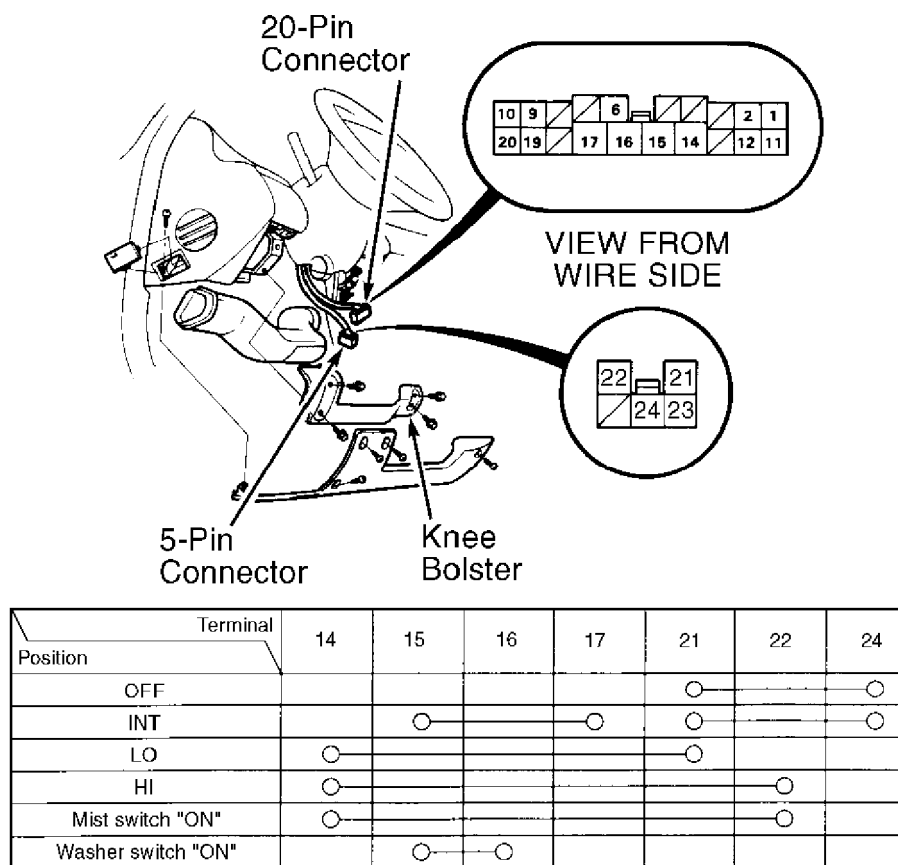


93G46249

Fig. 5: Testing Ignition Switch
 STEERING COLUMN SWITCHES Article Text (p. 6) 1993 Honda Prelude For Cadi Centre Nsk CA 95051 Copyright

WIPER SWITCH

Remove instrument cluster lower trim panel. Disconnect steering column 10-pin connector. Check continuity between specified switch connector terminals with wiper/washer switch in indicated positions. See Fig. 6. If continuity is not as specified, replace wiper/washer switch.



93D00375

Fig. 6: Testing Wiper/Washer Switch
 Courtesy of American Honda Motor Co., Inc.

REMOVAL & INSTALLATION

STEERING WHEEL & HORN PAD

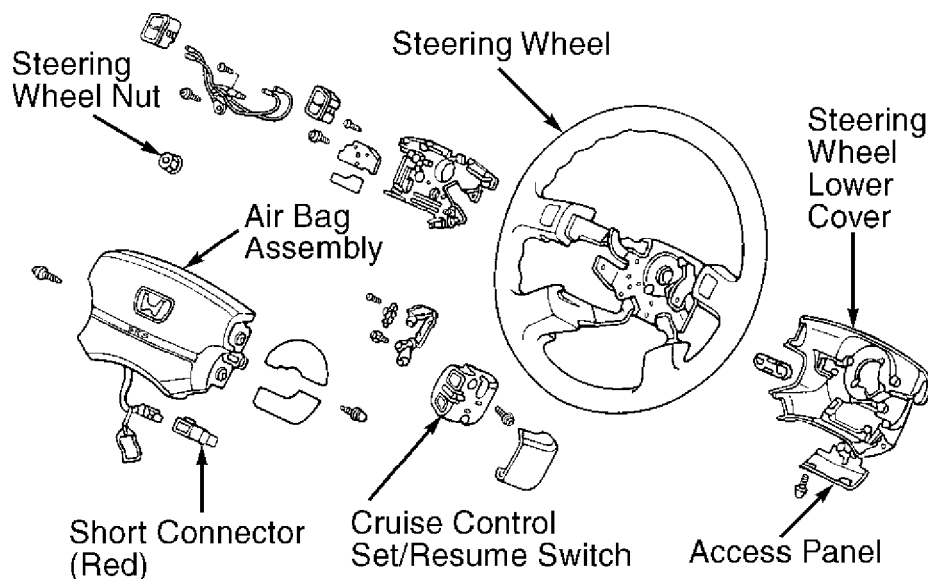
Removal & Installation

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.

STEERING COLUMN SWITCHES Article Text (p. 7) 1993 Honda Prelude For Cadi Centre Nsk CA 95051 Copyright

2) Remove steering wheel nut. See Fig. 7. Using a slight side-to-side motion, remove steering wheel assembly by pulling outward by hand. To install, reverse removal procedure.



93G00360
Fig. 7: 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

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 in straight-ahead position.

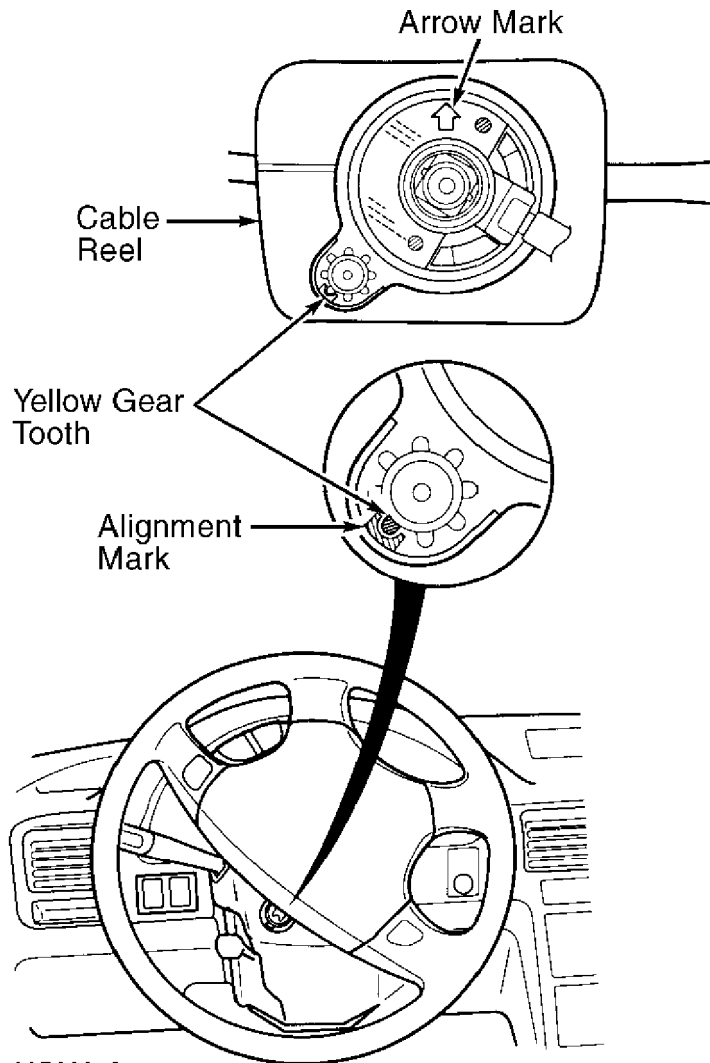
2) Cable reel is located under steering wheel, in upper steering column. See Fig. 8. Remove dashboard lower cover and knee bolster. Remove air duct. Disconnect cable reel connector from SRS main harness at base of steering column and remove connector holder.

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-to-shaft position, and remove steering wheel. Remove upper and lower column covers. Disconnect combination switch connectors. Remove canceling sleeve, cable reel and combination switch. See Fig. 9.

4) To install, reverse removal procedure. Before installing steering wheel, center cable reel by rotating it clockwise until it

STEERING COLUMN SWITCHES Article Text (p. 8) 1993 Honda Pre-User For Car Control Work CA 95051 Copyright
 should face up and Yellow gear tooth should be aligned with mark. See

Fig. 8.



92B00258

Fig. 8: Locating Cable Reel Alignment Marks
Courtesy of American Honda Motor Co., Inc.

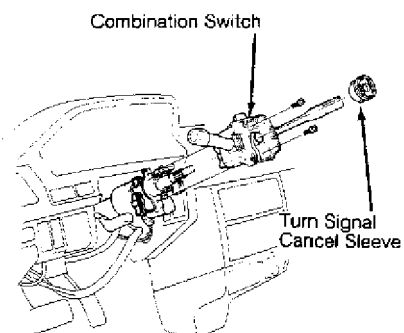


Fig. 9: Removing Turn Signal Cancel Sleeve & Combination Switch
(Typical)
Courtesy of American Honda Motor Co.

IGNITION SWITCH (M/T)

Removal & Installation

1) Disable air bag system. See DISABLING & ACTIVATING AIR BAG SYSTEM. Remove steering wheel. See STEERING WHEEL & HORN PAD. Remove steering column covers. Disconnect 5-pin connector from dash fuse box and 3-pin connector from main wire harness.

2) Insert ignition key and turn switch to "0" position. Remove 2 ignition switch mounting screws, and remove ignition switch. To install, reverse removal procedure.

STEERING LOCK ASSEMBLY (A/T)

Removal & Installation

1) Disable air bag system. See DISABLING & ACTIVATING AIR BAG SYSTEM. Remove steering wheel. See STEERING WHEEL & HORN PAD. Remove instrument cluster lower trim panel. Remove left knee bolster and kick panel. Remove steering column covers.

2) Center punch 2 shear bolts holding lock assembly. Drill off heads of shear bolts, and remove shear bolts from lock assembly. Remove lock assembly. Install new lock assembly without key inserted. Loosely install new shear bolts. Ensure projection on ignition switch is aligned with hole in steering column.

3) Insert ignition key, and check for proper operation of steering wheel lock and freely turning ignition key. Tighten shear bolts until hex heads twist off. To complete installation, reverse removal procedure.

WIPER SWITCH

Removal & Installation

Disable air bag system. See DISABLING & ACTIVATING AIR BAG SYSTEM. Remove dash lower trim cover and knee bolster. Remove steering column covers. Disconnect wiper/washer switch 8-pin connector. Remove 2 screws and wiper/washer switch. To install, reverse removal procedure.

TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS TABLE

AA
Application Ft. Lbs (N.m)

Steering Wheel Nut.....37 (50)

Air Bag Assembly Torx Bolts 89 (10)
AA

END OF ARTICLE