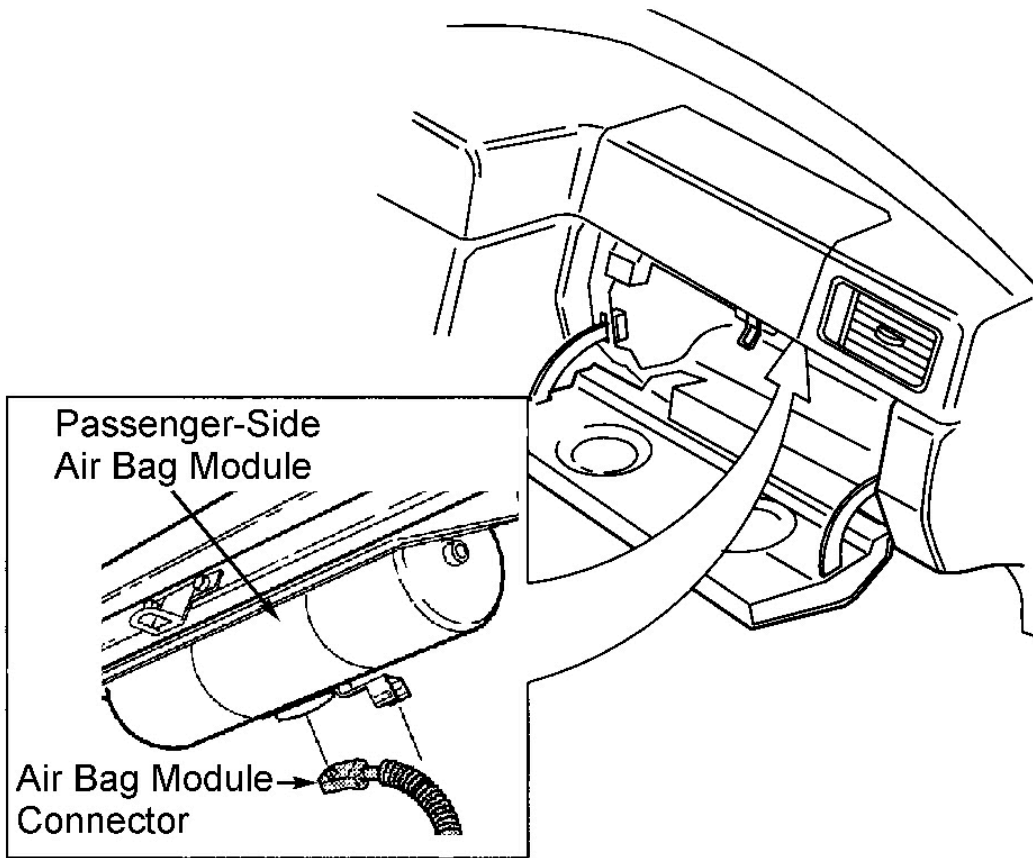


Fig. 6: Installing SRS Special Test Resistor (998-8695) Air Bag Module Connector
 Courtesy of VOLVO CARS OF NORTH AMERICA

Removal & Installation (Passenger-Side)

1) Before proceeding, read air bag service precautions section. See **SERVICE PRECAUTIONS** . Disable air bag system. See **DISABLING & ACTIVATING AIR BAG SYSTEM** .

2) Remove glove box Torx screws and compartment. Disconnect the Green air bag module connector from the underside of module. See **Fig. 7** . Remove cable from clip. Remove nut and strap from bracket. See **Fig. 8** . Remove 2 Torx screws from back of module. Grip front of module, pull back and then left module straight up and out of vehicle.



96D05749

Fig. 7: Removing Passenger-Side Air Bag Module Connector
Courtesy of VOLVO CARS OF NORTH AMERICA

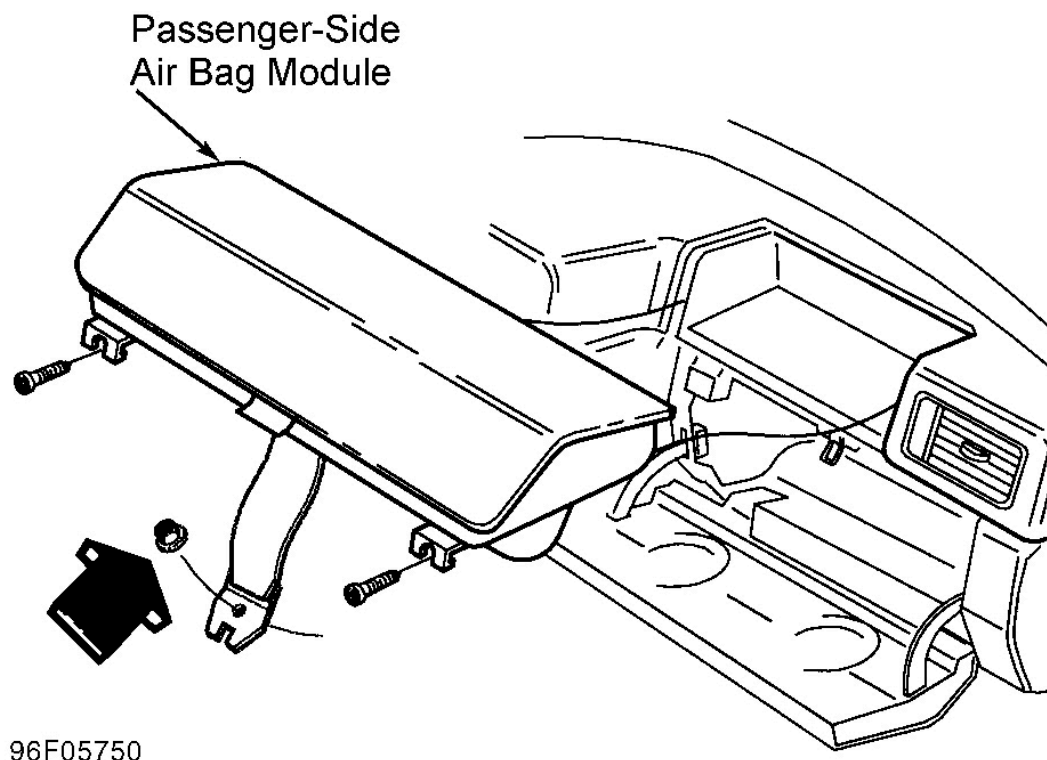


Fig. 8: Removing Passenger-Side Air Bag Module From Vehicle
Courtesy of VOLVO CARS OF NORTH AMERICA

To install, reverse removal procedure. Tighten Torx screws and nut to specifications. See **TORQUE SPECIFICATIONS** .

SENSOR MODULE

WARNING: DO NOT touch sensor module terminal pins, which may carry an electrostatic charge, which could damage sensor module.

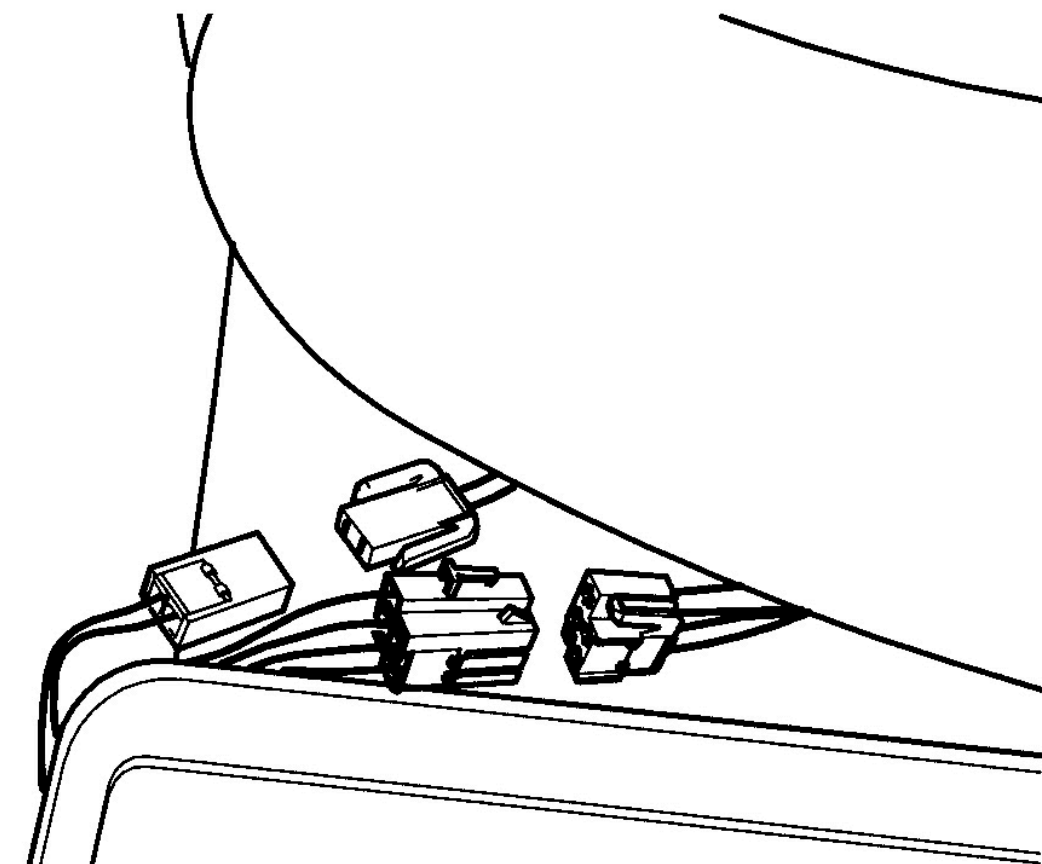
NOTE: Sensor module has an 8-digit identification number that must be used when ordering replacement sensor.

NOTE: Before proceeding, see **SERVICE PRECAUTIONS** . Disable system. See **DISABLING & ACTIVATING AIR BAG SYSTEM** .

Removal

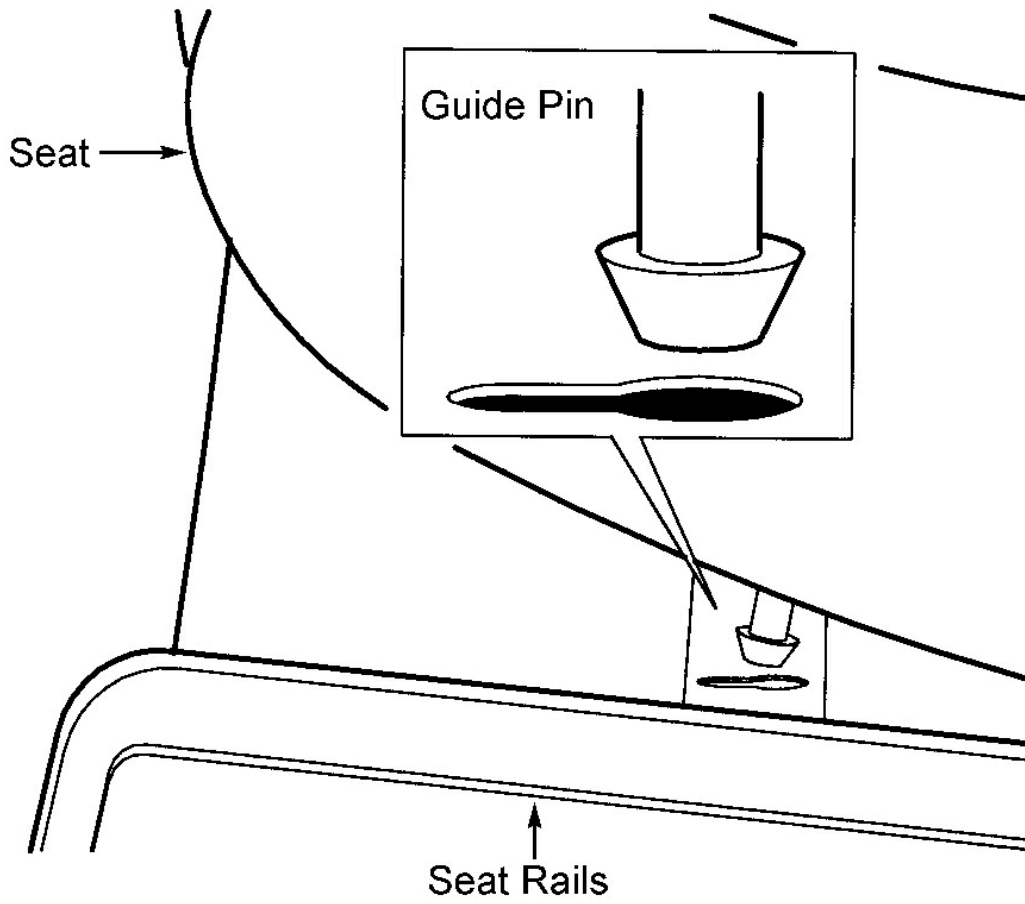
WARNING: The sensor module is located under driver-side seat. The seat must be removed for access to module. During servicing which involves front seats, always install SIPS Transport Safety Device (9156562-2) in SIPS bag of seat being serviced. Never apply external force to side of seat.

1. Sensor module is located under driver-side seat. Remove safety device from holder on inside of cover and install device on SIPS sensor. Move seat as far forward as possible and remove panels and 2 mounting bolts from rear edge of seat rails. Move seat as far back as possible. Remove Torx screw from sill trim panel. Remove 2 mounting nuts from front edge of seat rails.
2. Disconnect connectors from under front edge of seat. See **Fig. 9** . Pull seat back until it stops. Then push seat forward approximately 0.2" and lift seat straight up so that guide pins on underside of seat rails are free from holes in floor. See **Fig. 10** . Tip seat backwards and remove seat.
3. Lift back corner of floor carpet. Remove 3 Torx screws and lift up sensor module. Disconnect connector and remove sensor module. See **Fig. 11** .



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Fig. 9: Disconnecting Connectors At Front Of Driver-Side Seat
Courtesy of VOLVO CARS OF NORTH AMERICA



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Fig. 10: Locating Front Seat Guide Pins
Courtesy of VOLVO CARS OF NORTH AMERICA

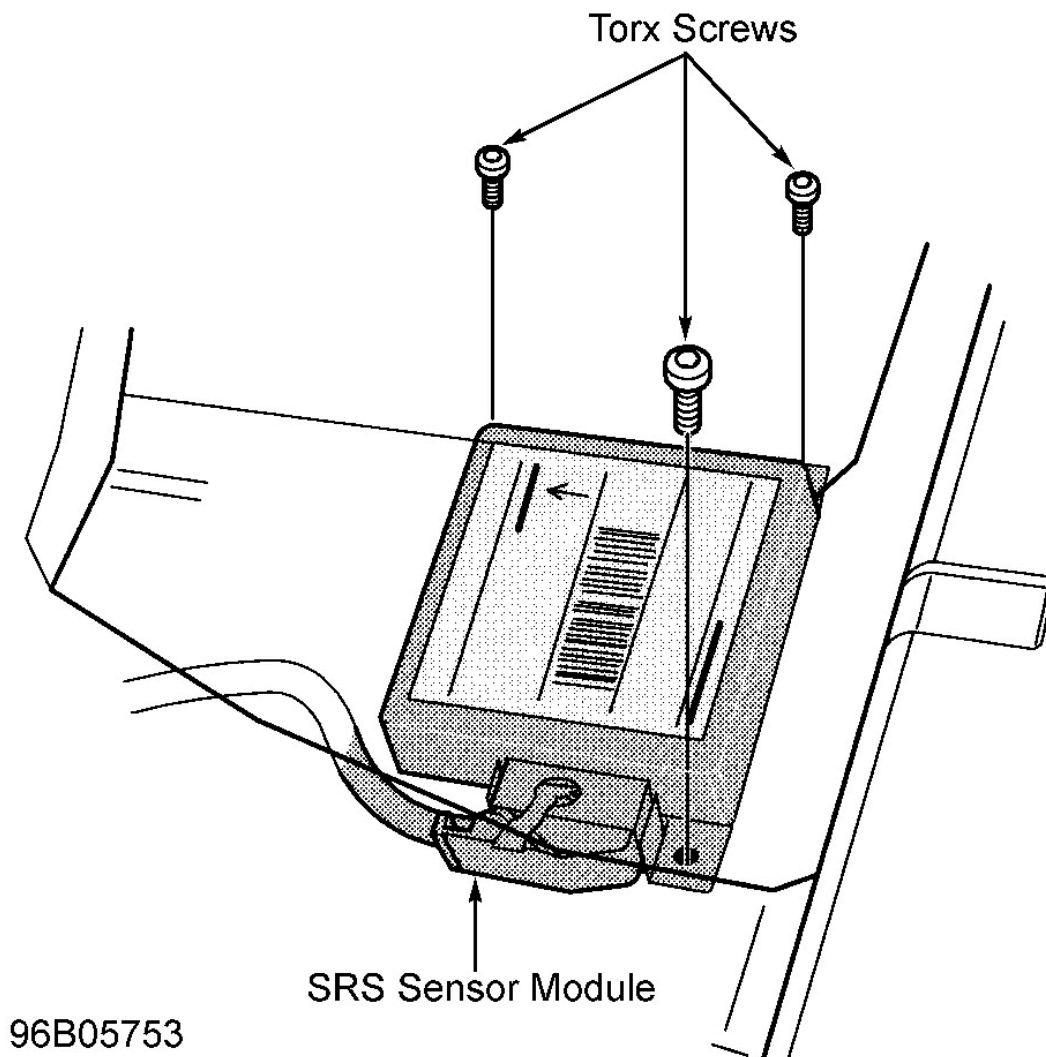


Fig. 11: Removing Sensor Module
 Courtesy of VOLVO CARS OF NORTH AMERICA

Installation

- 1) To install, reverse removal procedure. Install sensor module using original bolts. Ground terminal is secured by one of the mounting bolts. Ensure ground terminal is not damaged when tightening bolts. Tighten all bolts to specification. See **TORQUE SPECIFICATIONS** . Ensure all SRS connectors are connected.
- 2) Turn ignition switch to ON position. Connect negative battery cable. Check SRS warning light to ensure system is functioning properly. See **SYSTEM OPERATION CHECK** . If fault code exists after replacing sensor module, clear codes and perform **SYSTEM OPERATION CHECK** again. If SRS warning light still indicates a malfunction, enter self-diagnostics and retrieve fault codes. See **SELF-DIAGNOSTIC SYSTEM** under DIAGNOSIS & TESTING.

SEAT BELT TENSIONER

1997 Volvo 960

AIR BAG RESTRAINT SYSTEM 1997 Volvo - Air Bag Restraint System

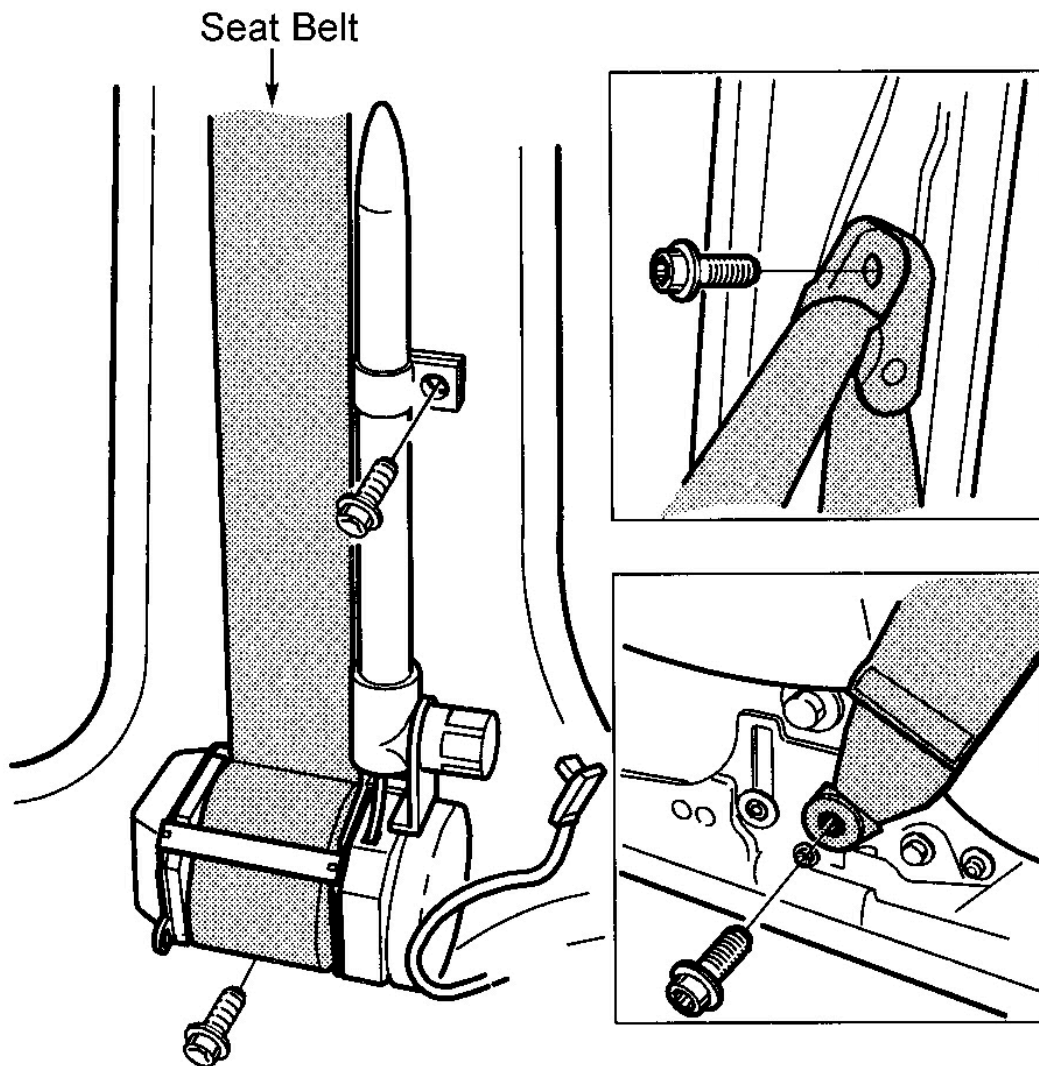
NOTE: If air bag deployed, replace both seat belt tensioners (including belts) since seat belt tensioners are ignited at same time as air bag.

WARNING: The sensor module is located under driver-side seat. The seat must be removed for access to module. During servicing which involves front seats, always install SIPS Transport Safety Device (9156562-2) in SIPS bag of seat being serviced. Never apply external force to side of seat.

Removal

1) Before proceeding, see **SERVICE PRECAUTIONS** . Disable system. See **DISABLING & ACTIVATING AIR BAG SYSTEM** .

2) Install safety device on SIPS sensor. Remove "B" pillar inner panel. Remove door sill molding. Remove SRS connector from seat belt tensioner. Remove seat belt inertial reel from "B" post mounting. Remove seat belt tensioner. See **Fig. 12** .



96D05754

Fig. 12: Removing Seat Belt Tensioner & Inertia Reel
 Courtesy of VOLVO CARS OF NORTH AMERICA

Installation

1) To install, reverse removal procedure. Ensure SRS wire is positioned so as not to become pinched or cut. Tighten all bolts to specification. See **TORQUE SPECIFICATIONS** . Ensure all SRS connectors are connected.

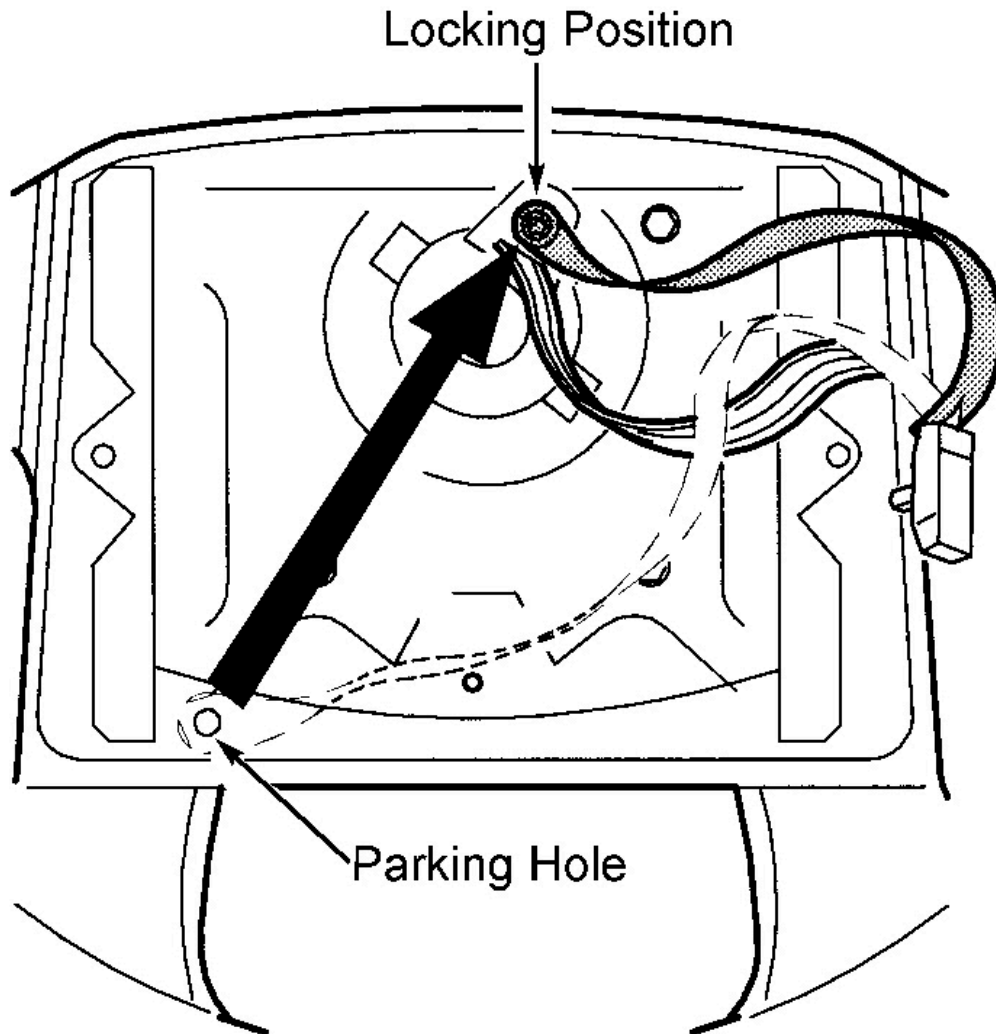
2) Activate system. Check SRS warning light to ensure system is functioning properly. See **SYSTEM OPERATION CHECK** . If fault code exists after replacing new seat belt reel assembly, clear codes, and perform **SYSTEM OPERATION CHECK** again. If SRS warning light still indicates a malfunction, enter self-diagnostics and retrieve fault codes. See **SELF-DIAGNOSTIC SYSTEM** under DIAGNOSIS & TESTING.

STEERING WHEEL & CONTACT REEL

NOTE: If air bag deployed during a collision, contact reel and steering wheel must be replaced.

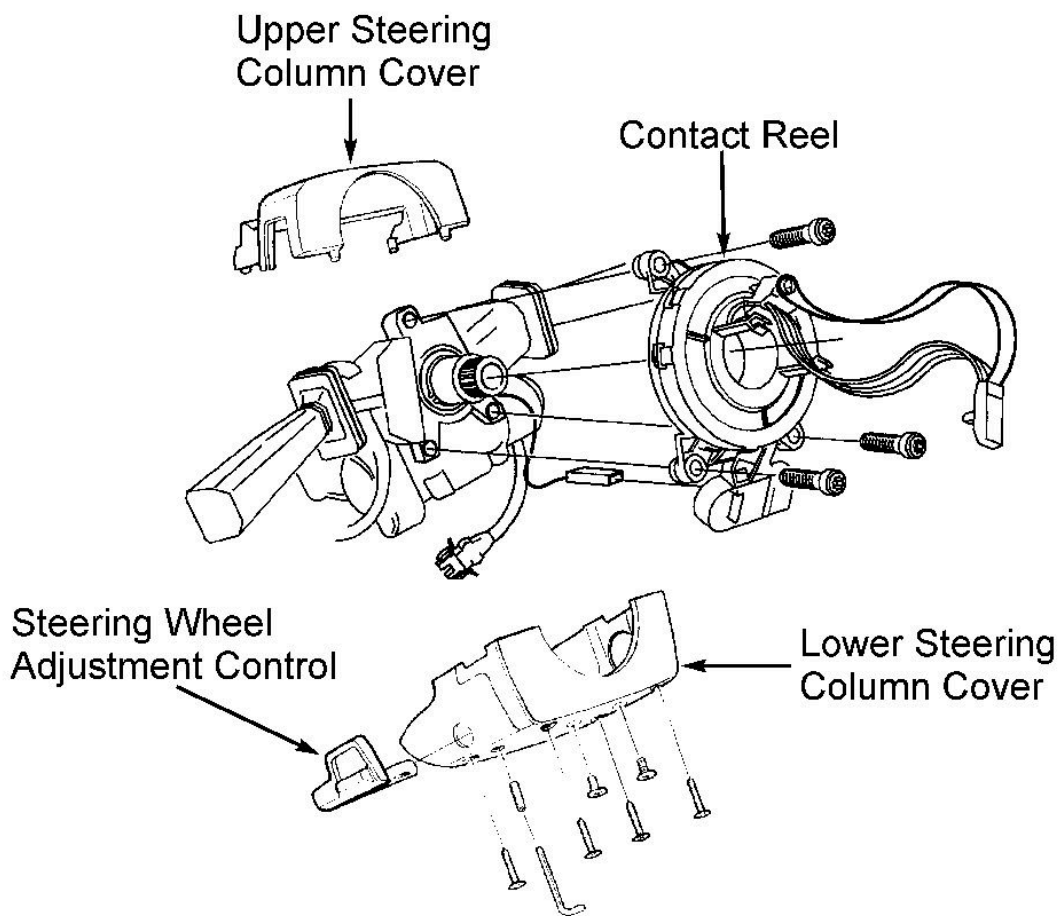
Removal

- 1) Before proceeding, see **SERVICE PRECAUTIONS** . Disable system. See **DISABLING & ACTIVATING AIR BAG SYSTEM** .
- 2) Place front wheels in straight-ahead position. Mark steering wheel-to-column location for installation reference. Remove driver-side air bag module. See **AIR BAG MODULE** .
- 3) Remove steering wheel hub retaining bolt. Remove locking screw at end of plastic warning label from steering wheel, leaving screw attached to plastic warning label. See **Fig. 13** . Install locking screw into contact reel and tighten. Carefully pull steering wheel from column, allowing wiring and plastic warning label to pass through hole in steering wheel.
- 4) Remove steering column upper and lower covers. See **Fig. 14** . Disconnect 2 pin SRS connector. Remove 3 Torx screws. Carefully lift out contact reel. Disconnect 1 pin signal cable connector.



96G05755

Fig. 13: Locking Contact Reel
Courtesy of VOLVO CARS OF NORTH AMERICA



96105756

Fig. 14: Removing Steering Wheel Covers & Contact Reel
 Courtesy of VOLVO CARS OF NORTH AMERICA

Installation

To install, reverse removal procedure. Apply contact grease to horn contact ring to ensure good contact in signal cabling. Unlock contact reel after steering wheel and bolt have been installed.

NOTE: Ensure locking screw is in locked position or contact reel must be zeroed again. New contact reels are zeroed at factory.

If contact reel must be adjusted before installation. See **CONTACT REEL CENTERING** under ADJUSTMENTS. Reverse removal procedure to complete installation.

SIPS AIR BAG MODULE ASSEMBLY

WARNING: During servicing which involves front seats, always install safety device in SIPS bag of seat being serviced. Never apply external force to side of seat.