

STEERING COLUMN SWITCHES

1994 Volvo 960

1994 ACCESSORIES/SAFETY EQUIPMENT
Volvo Steering Column Switches

960

TESTING

NOTE: Testing information on steering column switches is not available from manufacturer.

REMOVAL & INSTALLATION

STEERING WHEEL & HORN

WARNING: Before any repairs, disconnect and shield negative battery cable from ground. Disconnect Yellow and Orange Supplemental Restraint System (SRS) connectors on driver's side of center console, near accelerator pedal, to avoid accidental air bag deployment. Follow air bag service precautions. See SERVICE PRECAUTIONS in AIR BAG RESTRAINT SYSTEM article in the ACCESSORIES/SAFETY EQUIPMENT section. Disable SRS before removal. See DISABLING & ACTIVATING AIR BAG SYSTEM in AIR BAG RESTRAINT SYSTEM article in the ACCESSORIES/SAFETY EQUIPMENT section.

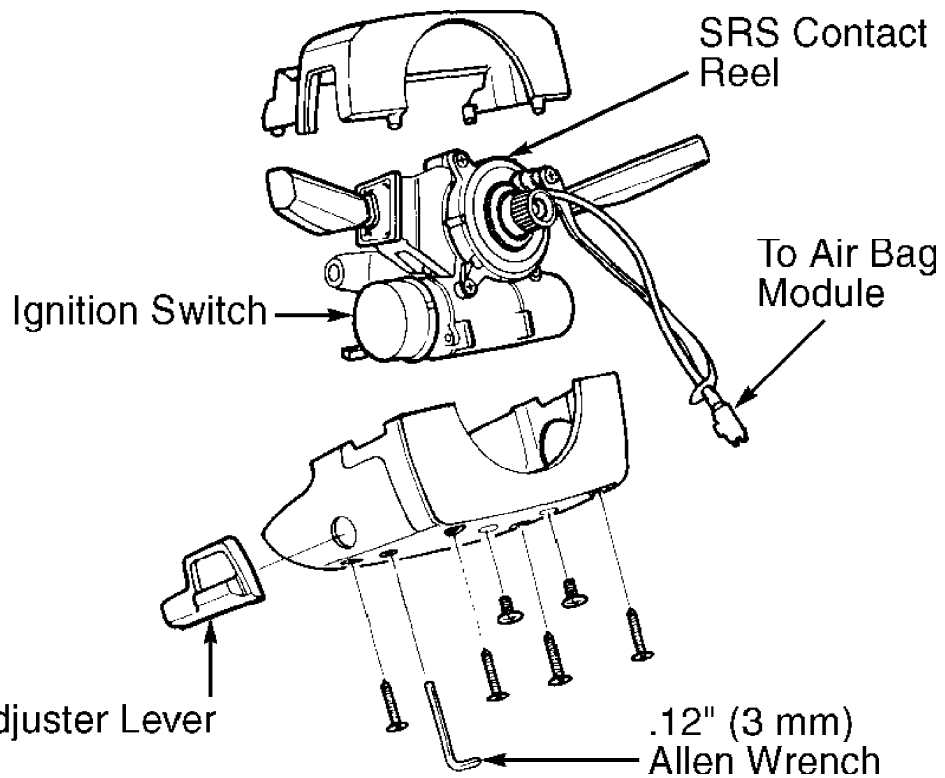
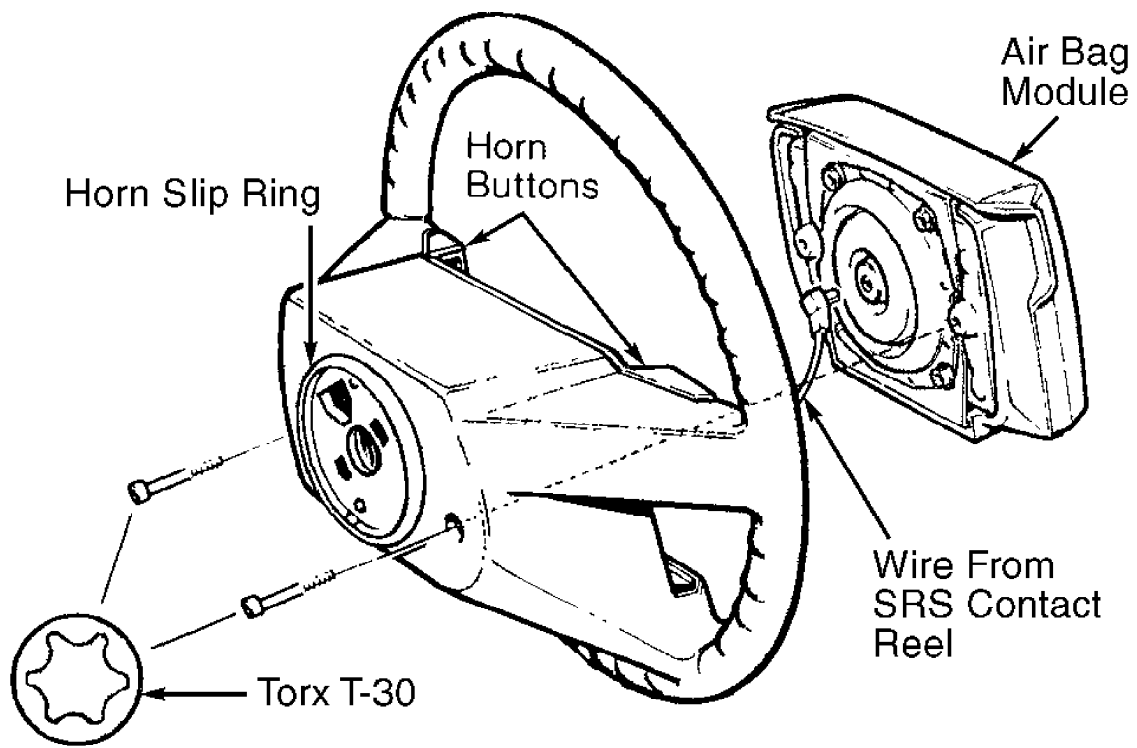
Removal

1) Ensure front wheels are pointing straight ahead. Mark steering wheel-to-column location for reassembly reference. Remove air bag module. See Fig. 1. See AIR BAG MODULE under REMOVAL & INSTALLATION in AIR BAG RESTRAINT SYSTEM article in the ACCESSORIES/SAFETY EQUIPMENT section.

2) Remove steering wheel hub retaining bolt. Remove plastic warning label retaining screw from steering wheel, leaving screw attached to plastic warning label. Insert screw into hole, locking contact reel pin. Carefully pull steering wheel from column, allowing wiring and plastic warning label to pass through hole in steering wheel. See Fig. 2.

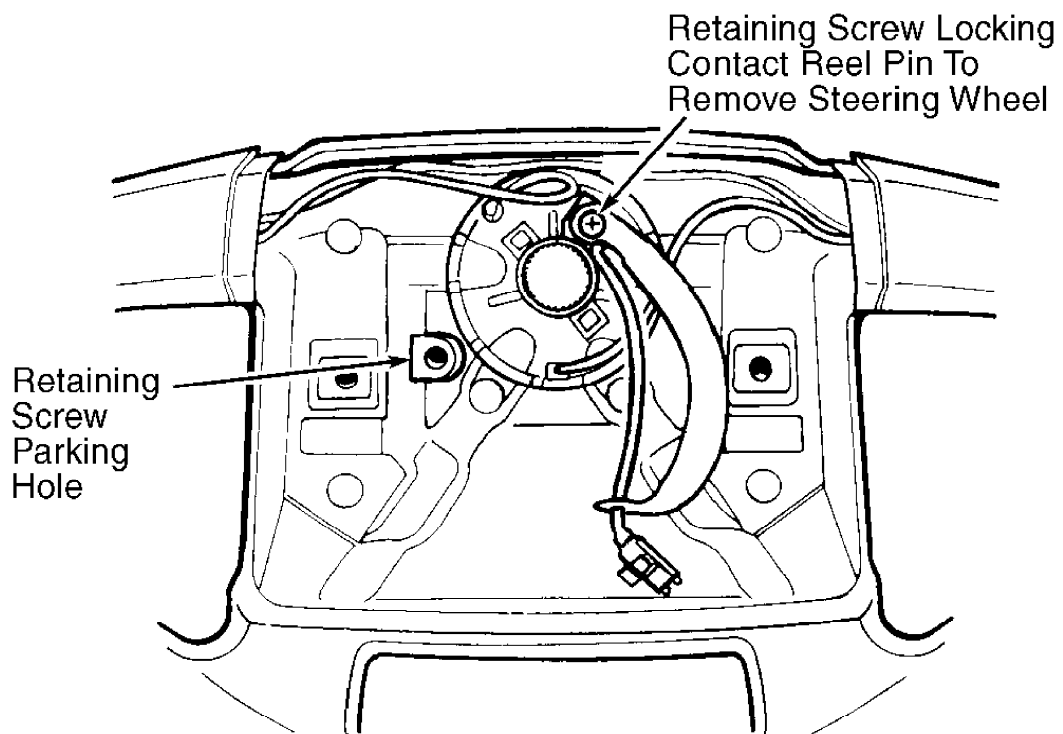
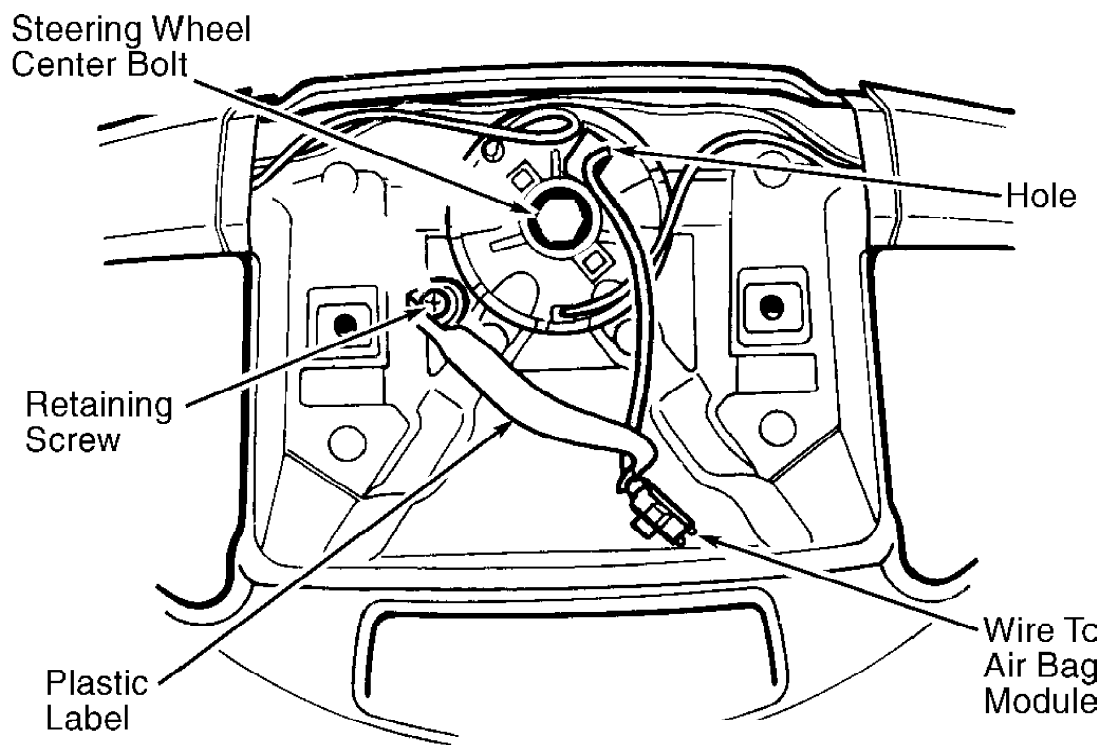
Installation

To install, reverse removal procedure. To properly adjust contact reel and complete installation, see CONTACT REEL CENTERING under ADJUSTMENTS in AIR BAG RESTRAINT SYSTEM article in the ACCESSORIES/SAFETY EQUIPMENT section. Tighten steering wheel retaining bolt to specification. See TORQUE SPECIFICATIONS.



91A01556

Fig. 1: Removing Air Bag Module
 Courtesy of Volvo Cars of North America

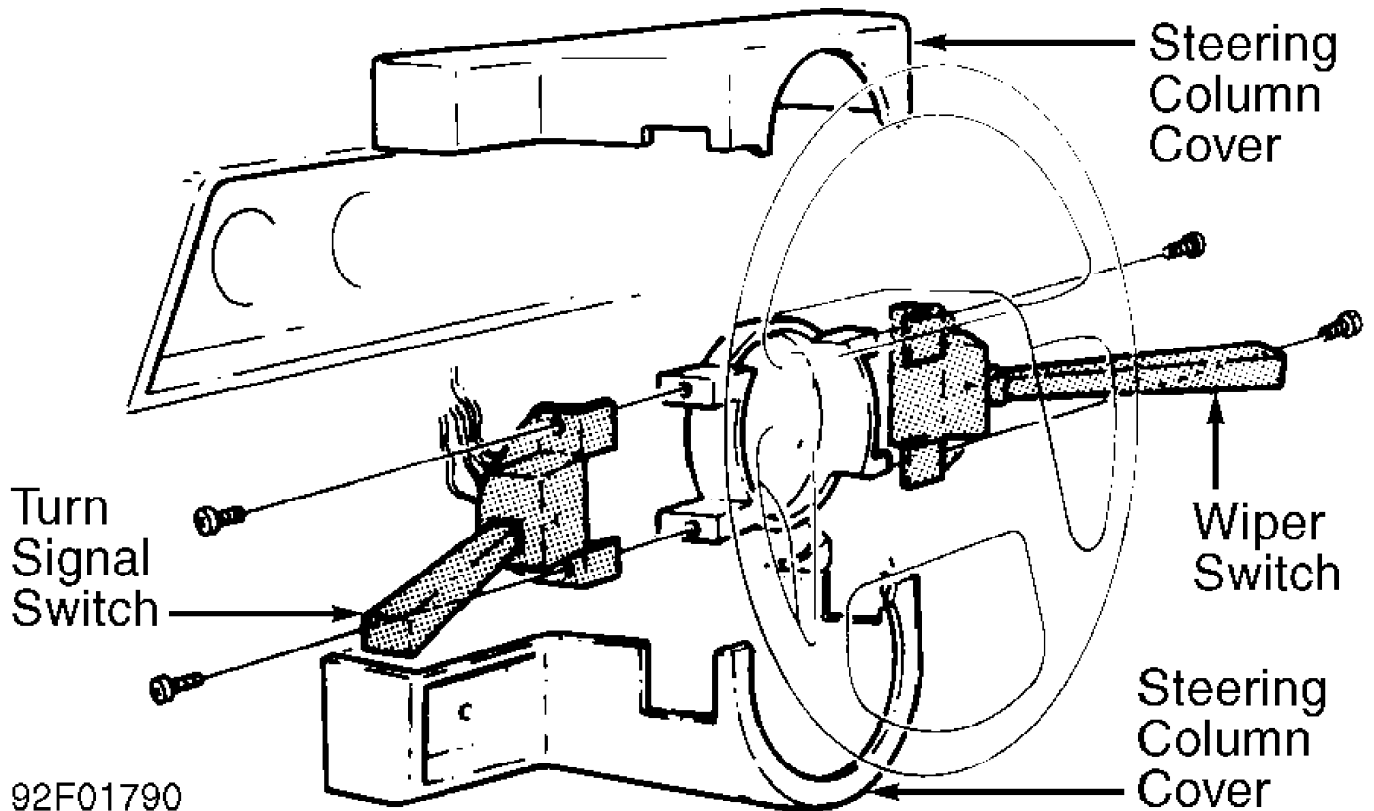


91C01557
 Fig. 2: Removing Steering Wheel
 Courtesy of Volvo Cars of North America

COMBINATION SWITCH & WIPER SWITCH

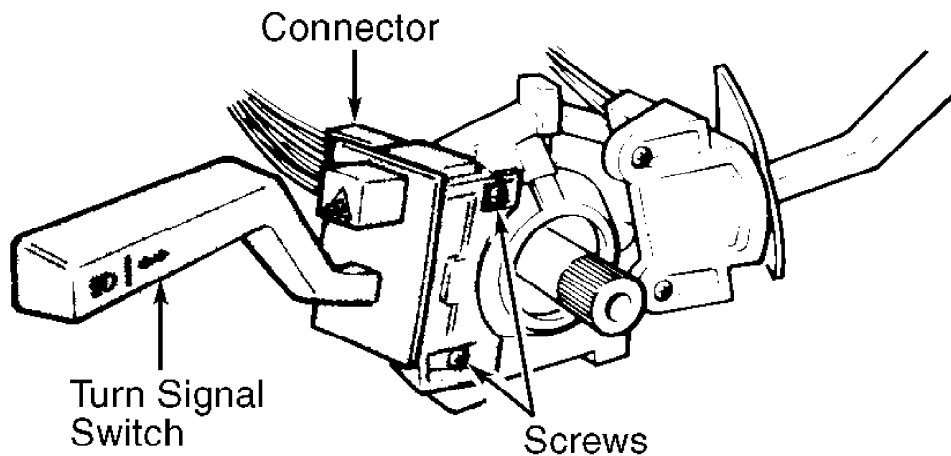
Removal

Remove steering wheel. See STEERING WHEEL & HORN under REMOVAL & INSTALLATION. Remove upper and lower steering column covers. See Fig. 3. Disconnect switch harness connectors behind instrument panel, near steering column. Remove switch attaching screws. See Fig. 3 or 4. Remove switch and harness.



92F01790

Fig. 3: Removing Upper & Lower Steering Column Covers
Courtesy of Volvo Cars of North America



92H01791

Fig. 4: Removing Combination Switch
Courtesy of Volvo Cars of North America

Installation

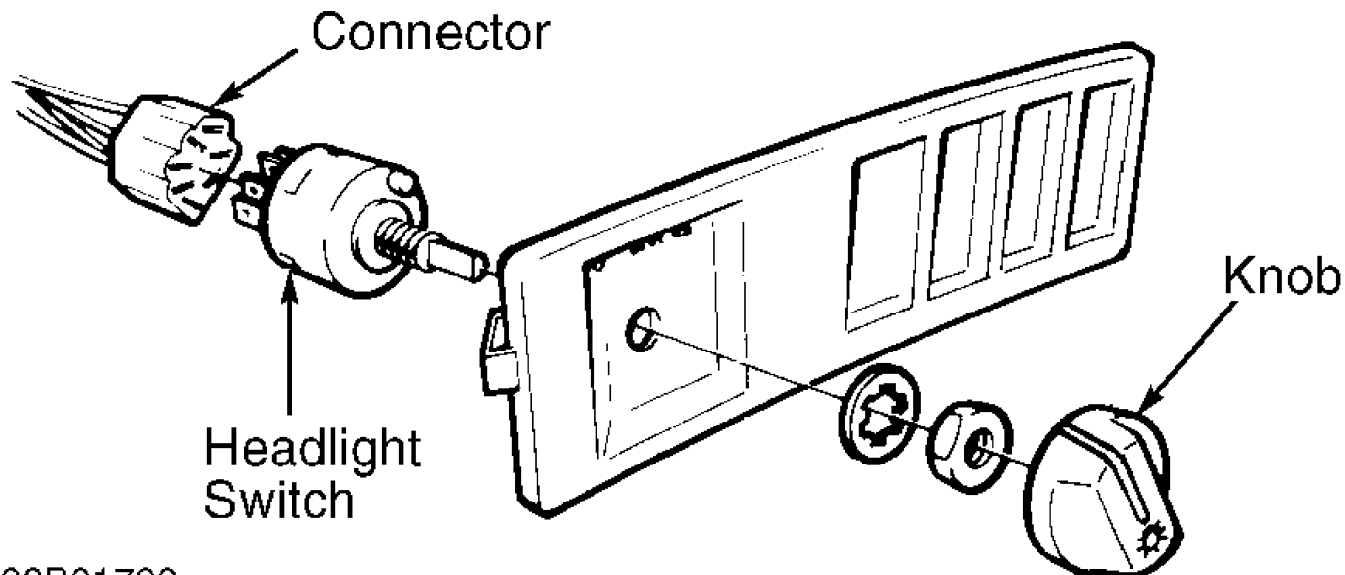
To install, reverse removal procedure. See STEERING WHEEL &

HORN under REMOVAL & INSTALLATION. Ensure all electrical connections are tight. Check turn signal switch canceling.

HEADLIGHT SWITCH

Removal & Installation

Disconnect headlight connector. Unscrew nut from switch. Remove switch. See Fig. 5. To install, reverse removal procedure.



92B01793

Fig. 5: Removing Headlight Switch (960)
Courtesy of Volvo Cars of North America

IGNITION SWITCH & LOCK CYLINDER

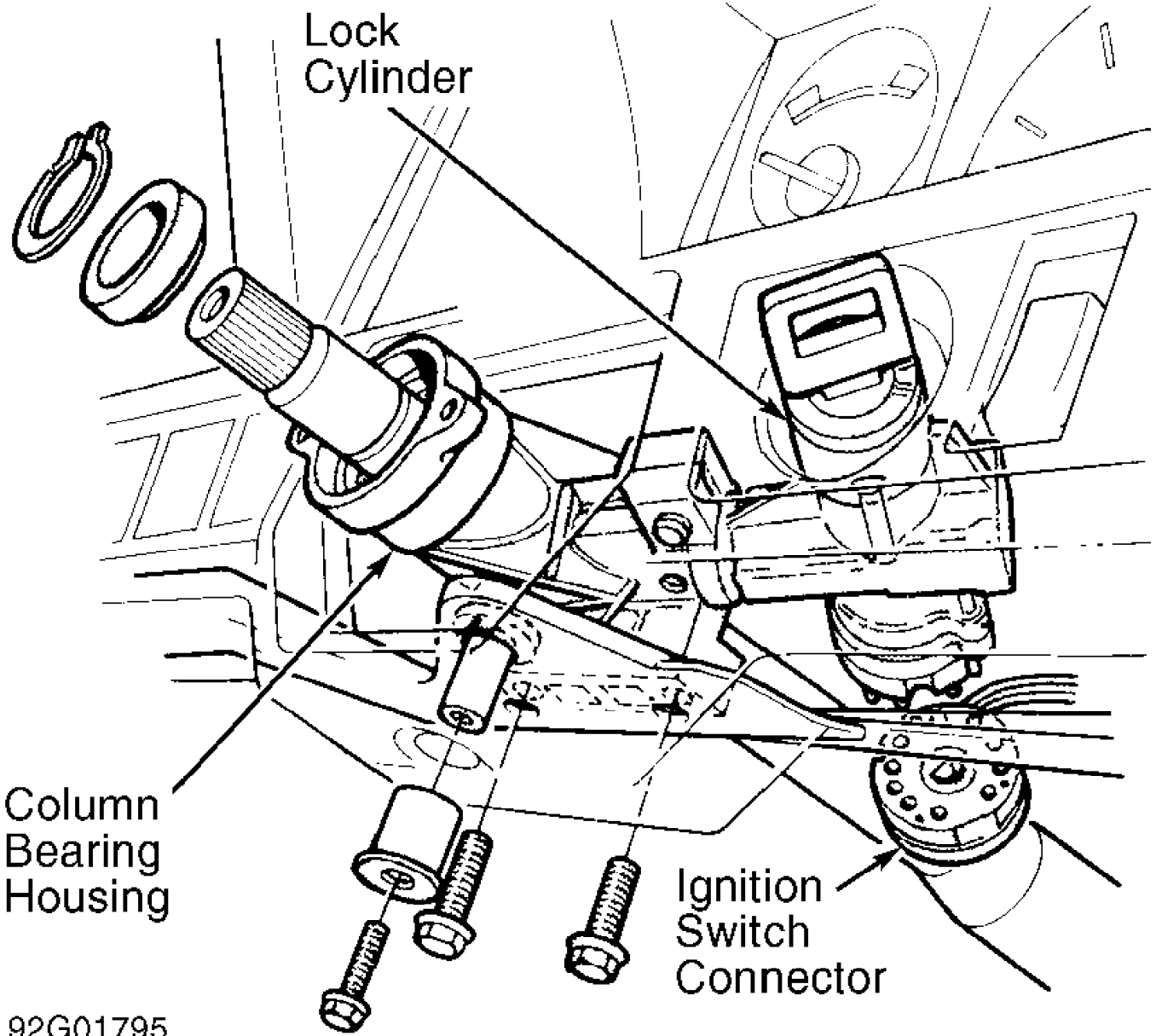
Removal

1) Remove sound insulation under instrument panel. Reaching up from under instrument panel, disconnect electrical connector from back of ignition lock. See Fig. 6. Remove upper steering column cover and ignition lock panel.

2) Loosen ignition lock fixing bolt, located behind upper steering column cover. Put key in ignition switch and turn switch to START position. From under instrument panel, push lock barrel back through hole and remove ignition lock.

Installation

Insert key in lock. Turn key and press in locking catch. Remove key. Insert lock in slot. Release barrel enough to insert key again. Tighten locking screw, and ensure key operates properly. To complete installation, reverse removal procedure.



92G01795

Fig. 6: Removing Ignition Switch Connector (960)
 Courtesy of Volvo Cars of North America

TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS TABLE

Application	Ft. Lbs. (N.m)
Steering Wheel Bolt	24 (33)
	INCH Lbs. (N.m)
Air Bag Module Bolts (1)	72 (8)

(1) - Tighten right bolt first.

WIRING DIAGRAM

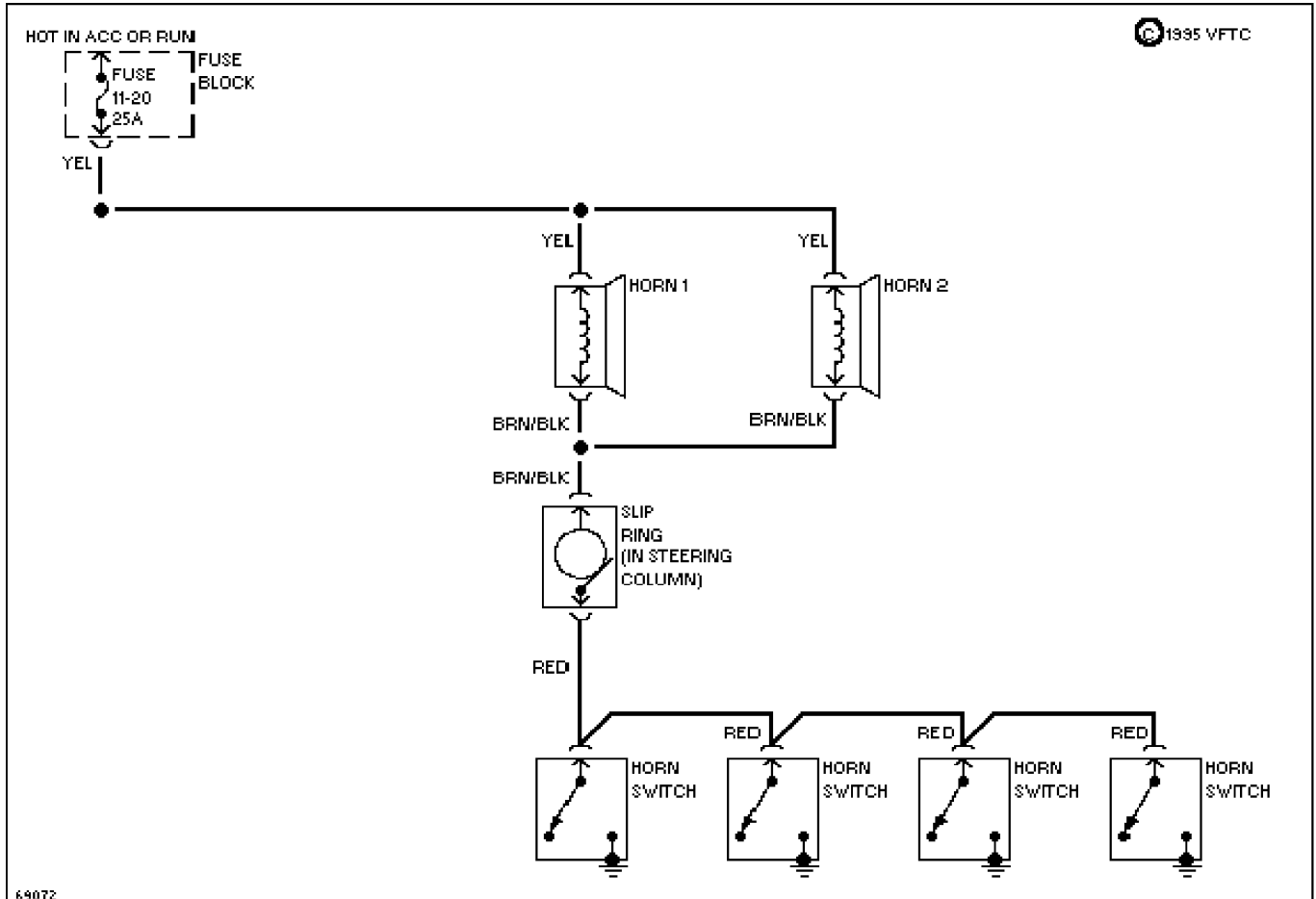


Fig. 7: Steering Column Switches Wiring Diagram (960)