

Vehicles equipped with SRS

Warning! Vehicles equipped with the Volvo Supplemental Restraint System (SRS) require special precautions when undergoing repair or servicing. Work on these vehicles should only be carried out by authorized Volvo mechanics. Always refer to the SRS Service Manual.



Identification of vehicles with SRS

- The steering wheel is marked with the letters SRS.
- A special sticker is displayed on the windscreen.
- There is a sticker on the steering column universal joint.

SRS wiring harness

Cables must **never** be branched off the yellow SRS wiring harness!

When removing or fitting components, make sure that the wiring is not pinched off or damaged at any point.

SRS crash sensor

The SRS crash sensor is located in the centre console under the storage compartment. Do not install accessories on or near the crash sensor.

Never unplug the connector from the sensor.

Repairs to the steering gear

Never release or dismantle the steering column/shaft or steering rack housing without first locking the contact reel and removing the steering wheel. Refer to the SRS Service Manual.

Steering wheel module, steering wheel and contact reel, replacement

Warning! Never measure any electrical properties on the steering wheel module.

Measurement can also be taken by use of the digital meter [999 6525](#)

Preliminary operations

Switch off the ignition.

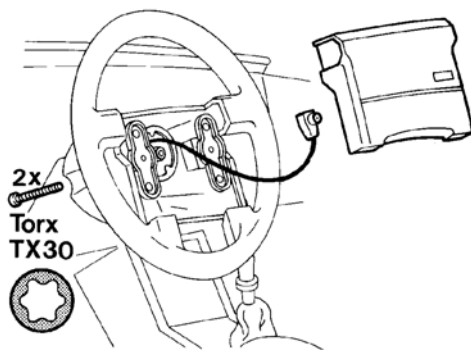
Disconnect the wiring at the orange (–1993) or the dark–green (1994–) connector (under the steering column).

Remove the steering wheel module

Release the two retaining bolts.

Tilt the steering wheel module and release the connector.

Note! When the steering wheel module is put to one side, it must always be stored resting on the igniting device.



Remove the steering wheel

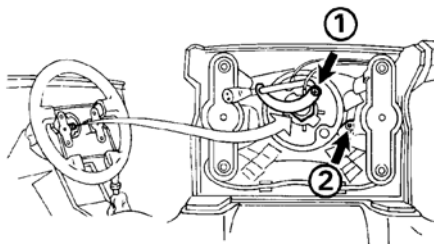
Turn the wheels to the straight–ahead position and engage the steering lock.

Slacken, but do not yet remove, the central securing nut.

Remove the locking screw at the end of the plastic strip from its 'parking' hole and insert it in fixing hole (1) in order to lock the contact reel. Tightening torque: 1 Nm.

Remove the central securing nut and, without turning the steering wheel, pull the wheel off the steering shaft.

Note! The locking screw must always remain attached to the plastic strip.



Remove the steering column covers

Remove the contact reel

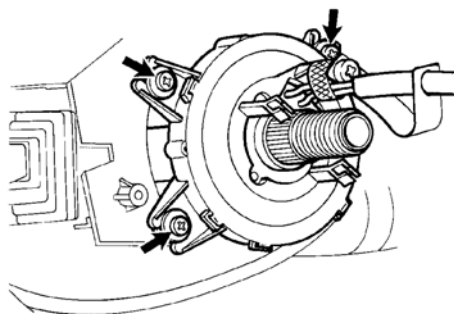
Cut through the tie–fastener around the ignition switch lock cylinder.

Release the contact reel cable.

Remove the three retaining bolts from the contact reel.

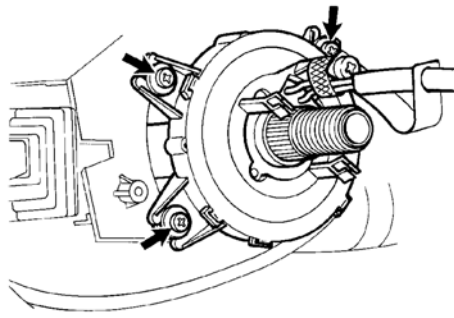
Disconnect the horn wiring.

Remove the contact reel.



Fit the contact reel

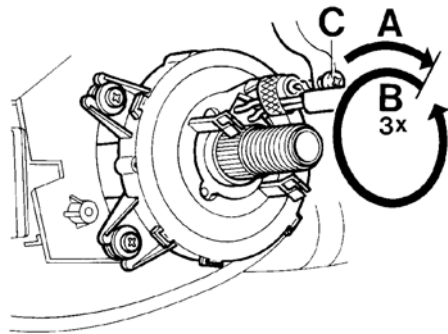
Align the contact reel and tighten the three



bolts. Tightening torque: 1.5 Nm. Locate the cable over the ignition switch lock cylinder and secure it with a tie-fastener.

Reconnect the horn wiring.

Caution! Make sure that the wiring is not pinched off.



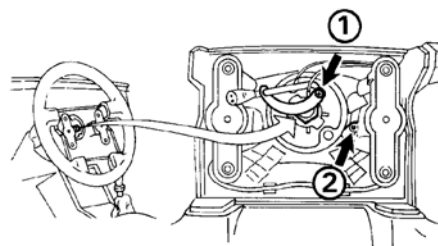
Adjust the contact reel

Only carry out this operation if the zero position has been lost. Turn the contact reel clockwise to its limiting position.

Do not use excessive force!

Then turn the contact reel counter-clockwise about 3 full revolutions and lock it by inserting the screw attached to the plastic strip in the fixing hole.

Tightening torque: 1 Nm.



Fit the steering column covers

Fit the steering wheel

Insert the connector of the steering wheel module together with the yellow plastic strip through the opening in the steering wheel and locate the wheel on the steering shaft.

Fit and finger-tighten a new central securing nut. Remove the locking screw from the contact reel and place it in its parking hole (2).

Tighten the central securing nut to a torque of **60 Nm**.

Fit the steering wheel module

Locate the module on the steering wheel.

Reconnect the wiring at the connector and align the steering wheel module.

Caution! Make sure that no cables are pinched off.

First tighten the right-hand retaining bolt (finger-tight only) and then the left-hand bolt (finger-tight). Tighten do both bolts, starting with the right-hand one, Tightening torque: 8 Nm.

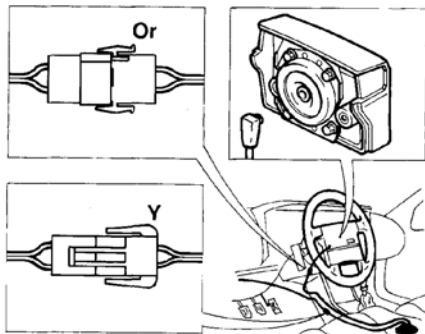
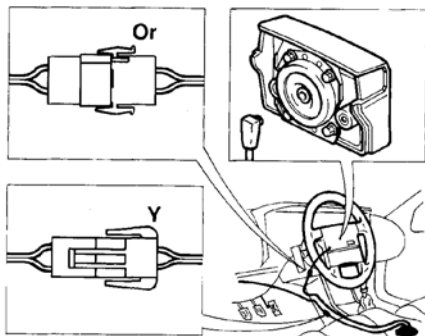
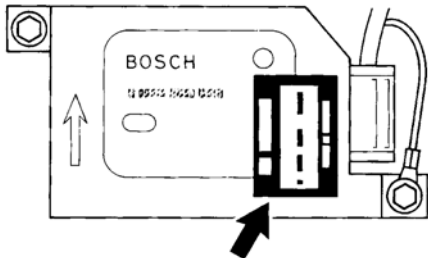
Crash sensor, replacement

Warning! Never measure any electrical properties on the steering wheel module.

Measurements can also be taken by use of the Volvo digital meter [999 6525](#).

Renew the crash sensor

When ordering a new crash sensor, the 8-digit identification number **and** the chassis number must be stated.



Preliminary operations

Switch off the ignition.

Disconnect the wiring at the yellow connector (under the ashtray) and the orange (-1993) or the dark-green (1994-) connector (under the steering column).

Remove the steering wheel module; see ["Steering wheel module, steering wheel and contact reel, replacement"](#).

Remove the crash sensor

Remove the centre console.

Remove the 2 bolts and release the connector from the crash sensor.

Fit the crash sensor

Locate the new crash sensor with the arrow pointing in the car's normal direction of travel. Fit the connector.

Caution! Make sure that the earth lead is properly connected.

Use 'Taptite' bolts. Tightening torque: 11 Nm.

Instructions for renewing the SRS after a collision

What to do after deployment of the SRS

Renew the steering wheel with the steering wheel module and the contact reel.

Renew the crash sensor if it is damaged.

When ordering a new steering wheel module or crash sensor, always state the identification number and chassis number.

Instructions for intentional deployment of the steering wheel module

(when scrapping the vehicle or upon replacement not covered by warranty)

Warning! Wear safety goggles and ear muffers!

Deploy the airbag in the steering wheel module while it is still in place in the vehicle.

Note! The white connector on the rear of the steering wheel module contains a capacitor.

Intentional deployment of the steering wheel module with DC voltage is therefore impossible. For this reason, use a cable with a connector from the old system (without a capacitor).

- Park the vehicle outdoors. Disconnect the battery cables. Open all the windows and doors.
- Make sure that the steering wheel module and/or seat belt pre-tensioners are securely mounted in their normal position.
- Connect two 6-metre long cables to the dark-green connector in the vehicle, using the same type of connector as the dark-green connector.
- Ignite the module at a distance of 6 metres with the aid of a 12 V battery.
- If the module cannot be ignited in this way (because of damage to the contact reel) then the cables must be connected directly to the module.