

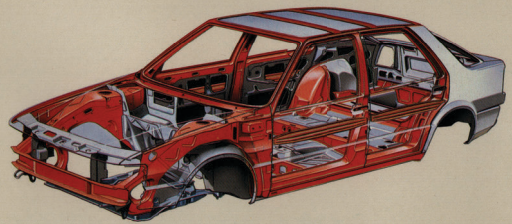
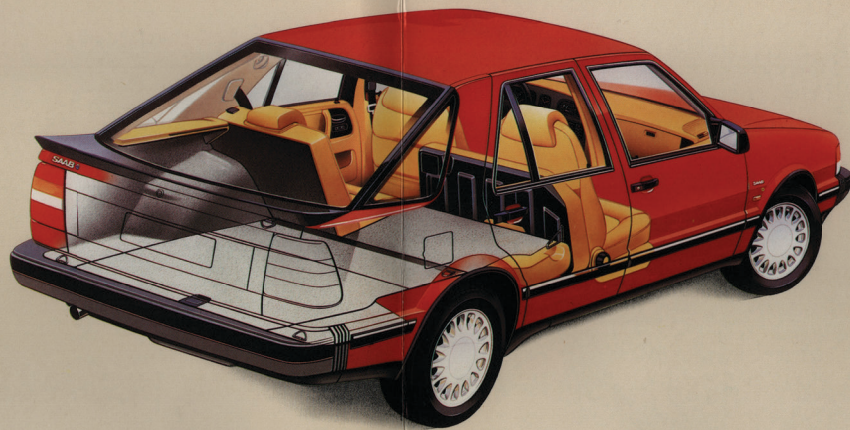
**SAAB**

**9000**

**SERVICE  
MANUAL**

**8:2 Interior equipment**

**M 1986-87-**



**SAAB**



# **SERVICE MANUAL**

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## **8:2 Interior equipment** M 1985-87-

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## Units

The basic and derived units used throughout the Service Manual are in accordance with the SI system.

For users not familiar with the SI units, some non-Continental units are given in brackets after the respective SI unit.

The following symbols and abbreviations are used:

SI unit	Equivalent unit and symbol
mm	inch (in)
kg	pound (lb)
N	pound-force (lbf)
Nm	pound-force foot (lbf ft)
bar	pound-force per square inch (lbf/in <sup>2</sup> ) (Also abbreviated: psi)
l (litre)	US liquid quart (liq qt) (Also abbreviated: qts)
	US gallon (USgal)
°C	°F

### Conversion factors

1 in = 25.4 mm	1 mm = 0.039 in
1 lbf = 4.45 N	1 N = 0.23 lbf
1 lbf ft = 1.36 Nm	1 Nm = 0.74 lbf ft
1 psi = 0.07 bar	1 bar = 14.5 lbf/in <sup>2</sup>
1 liq qt = 0.95 l	1 l = 1.05 liq qt
1 US liq qt = 0.83 UKqt	1 USgal = 0.83 UKgal

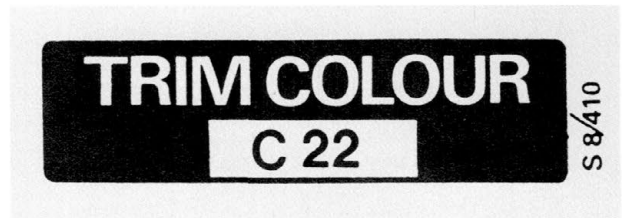
## Market codes

### The codes refer to market specifications

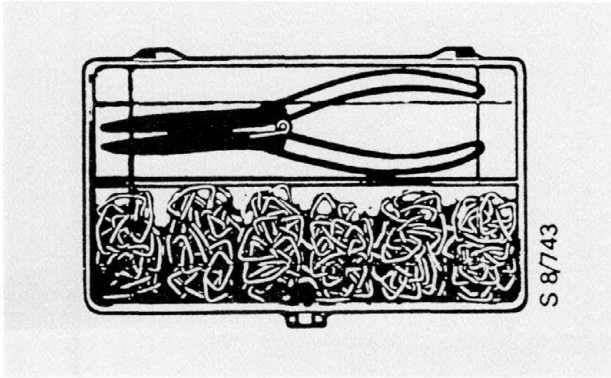
AT	Austria	FR	France
AU	Australia	GB	Great Britain
BE	Belgium	GR	Greece
CA	Canada	IS	Iceland
CH	Switzerland	IT	Italy
DE	Germany	JP	Japan
DK	Denmark	ME	Middle East
ES	Spain	NL	Netherlands
EU	Europe	NO	Norway
FE	Far East	SE	Sweden
FI	Finland	US	USA

## Technical data

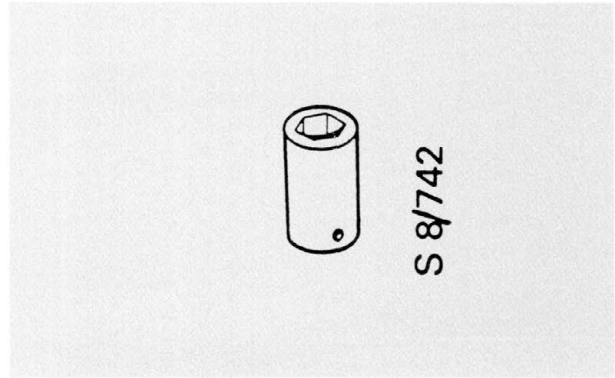
A colour-code plate for the trim colour is fitted adjacent to the chassis- number plate in the engine compartment.



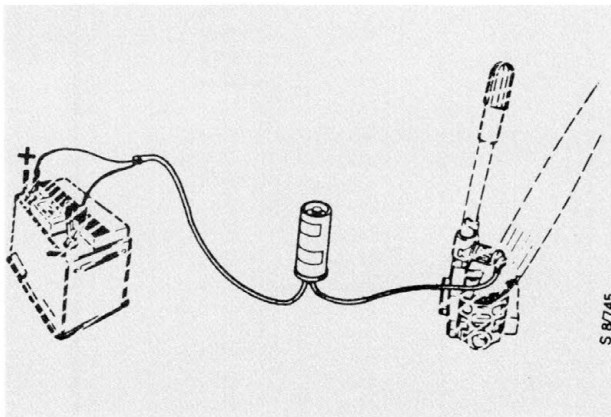
# Special tools



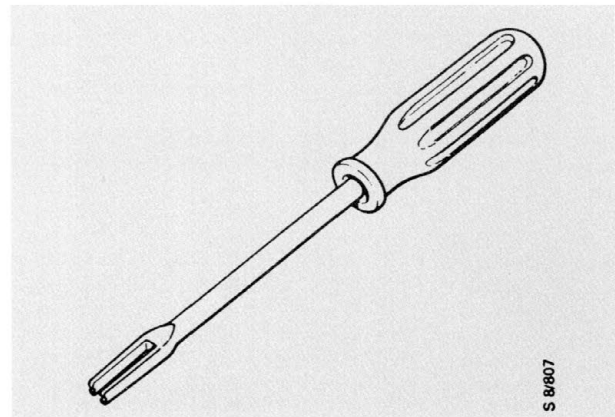
84 71 062 Fitting kit for seat cover staples



82 92 450 Socket for seat cushion striker pin



85 80 052 Manual triggering device for seat-belt pretensioner



84 71 096 Tool for fitting/releasing seat-cover through-fasteners

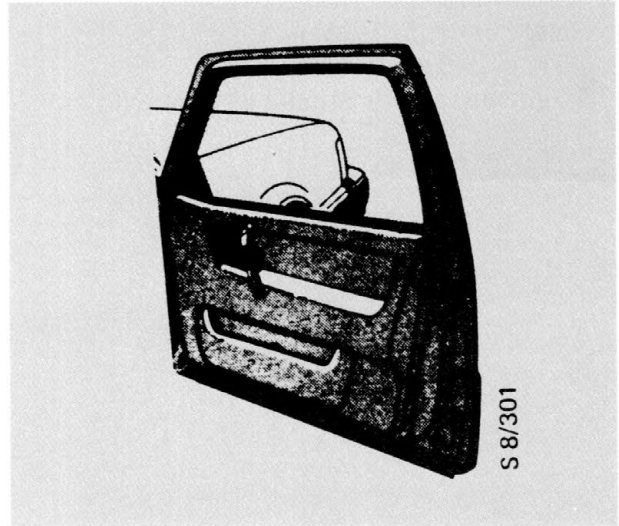
# Technical description

Door trim . . . . .	800-1	Carpeting . . . . .	800-3
Headlining . . . . .	800-1	Dash panel . . . . .	800-3
Front seats . . . . .	800-1	Seat belts . . . . .	800-4
Rear seat . . . . .	800-3	Belt pretensioners . . . . .	800-4

## Door trim

The door trim is made of fabric-clad moulded panels.

Storage pockets are incorporated in all doors.



## Headlining

The headlining is made of fabric-covered fibre-glass, which provides not only impact protection but also good thermal and acoustic insulation.

Because of its stiffness, the headlining must be handled carefully as it is easily cracked or broken.

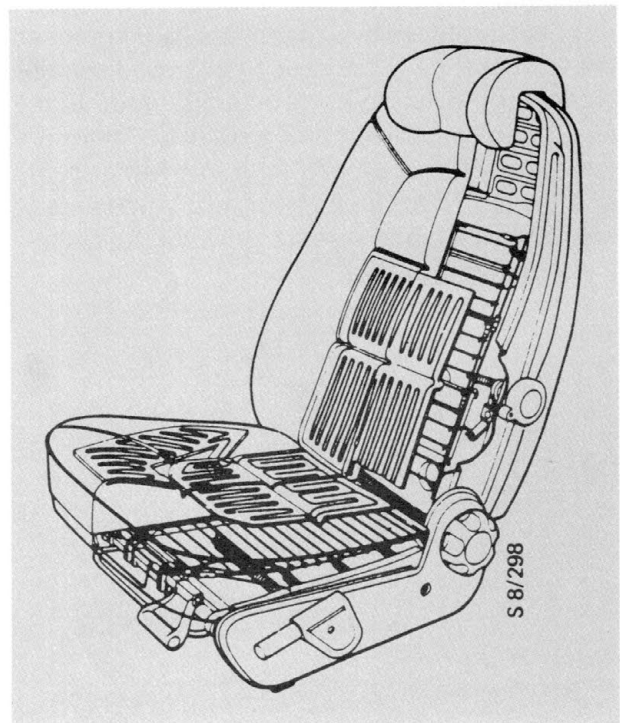
## Front seats

The seats are constructed around two pressed steel frames: one for the backrest and one for the seat, joined together by the backrest-adjustment mechanism.

Two cross-members are incorporated in the front of the seat frame to prevent the seat occupant submarining in the event of a collision.

Anchorage points for the seat belt are incorporated in the bottom of the seat frame.

The top of the backrest is reinforced to absorb impact forces on the head restraint.



## 800-2 Technical description

The seat cushions, made of polyurethane polyether and upholstered in plush tricot or leather, are supported by a flexible steel netting (Pullmaflex), suspended from helical springs on either side.

The following seat adjustments are possible:

Legroom adjustment of 212 mm (8.5 in) in

12.5-mm (0.5 in) steps

In height: 45 mm (1.8 in)

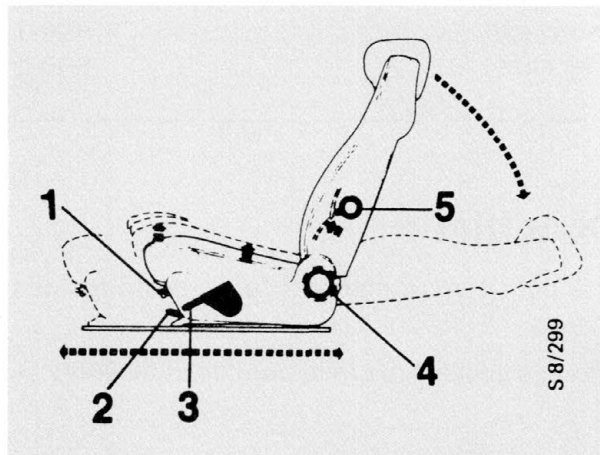
Backrest rake angle

Lumbar support (driving seat only)

Height of head restraint: adjustment of

90 mm (3.5 in)

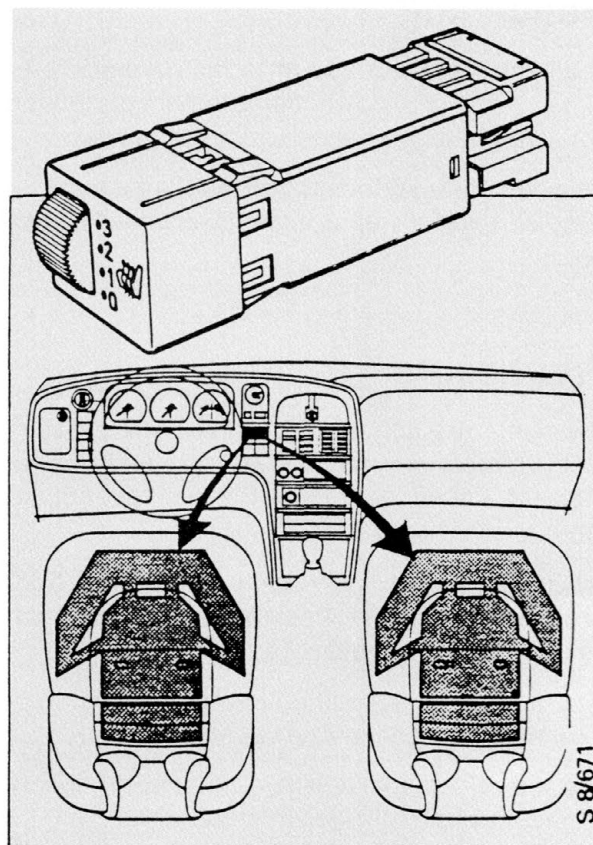
Thigh-support adjustment of 18 mm (0.7 in)



- 1 Thigh-support adjustment
- 2 Bar for legroom adjustment
- 3 Height adjustment
- 4 Backrest adjustment
- 5 Lumbar-support adjustment

The seat cushion and backrest have electric heating pads which are switched on automatically when the temperature falls below 12 °C (54 °F) and off at 28 °C (82 °F), when the ignition is on.

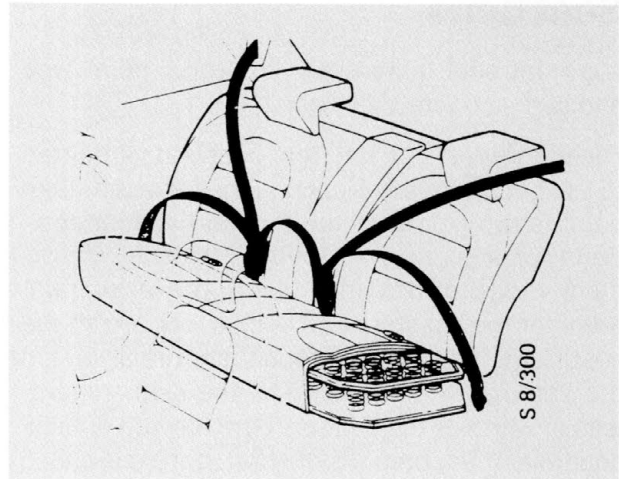
As from 1987 models, the level of heating for the front seats can be adjusted by means of separate controls on the fascia. The seat thermostat has been replaced by a thermistor, which senses the temperature in the seat cushion and sends a signal for the suitable cut-in temperature to the electronic control with integral relay. There are two types of heating pad, one for leather seats and the other for seats with fabric upholstery, with that for leather seats providing a slightly longer heating period.





## Rear seat

The rear seat can be folded forward for increased cargo space and is split 60/40 to give a wider choice of cargo/passenger combination. The seat cushions are fully sprung and each cushion section is hinged in two places for easy folding.



## Carpeting

The textile carpeting is run up the sides of the sills and centre console.

Plastic scuff plates are fitted to the sills in the door openings.

## Dash panel

The dash panel consists of a metal frame, 0.7 mm (0.03 in) thick, covered in plastic film. Energy-absorbing polyurethane foam is injected between the film and the frame.

The dash panel is of swept-back design, ensuring that all controls and switches are within convenient reach of the driver.

The top of the facia can be removed to provide access for service work.

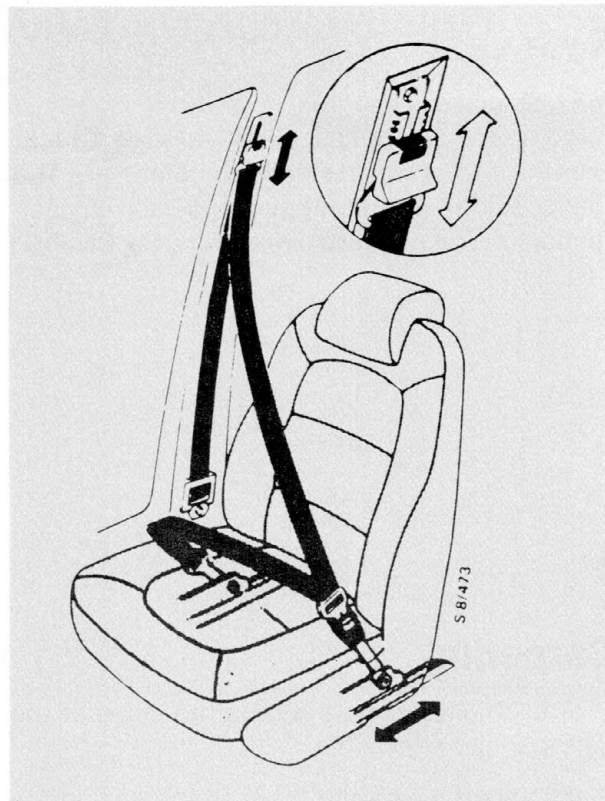
### Seat belts

The front seat belts are of the three-point type and can be operated by one hand.

The inertia reels for the front seat belts are fitted to the bottom of the B pillars. The top anchorage point (strap guide) on the B pillar has four positions for adjusting the height, with an adjustment range of 100 mm (4 in). The anchorage point for the lap strap and buckle lock are on the seat frame, and the buckle is therefore always in the same position relative to the seat, regardless of whether the seat is in the forward or back position. Thus, persons of short stature are also able to have the diagonal strap in a comfortable position, instead of against the neck.

The seat belts for the two window-seat passengers in the back are of the conventional three-point type, with a lap belt provided for the middle passenger.

If the rear seat has been dropped forward to extend the luggage compartment, the belt buckle locks will return automatically to their normal positions when the seat is folded back again.



### Belt pretensioners

The purpose of the belt pretensioner is to take up the slack in the belt in the event of a collision, thereby reducing the forward movement of the occupant's body.

The pretensioner device consists of an explosive charge, detonated by a sensor. When the charge is detonated, high gas pressure drives a plunger up inside a light-alloy cylinder. The plunger, which is connected by means of a steel cable to the seat-belt reel, has a stroke of approx. 180 mm (7 in), which is the maximum amount of slack that can be taken up in the seat belt.

The electronic sensor has been carefully tuned to the Saab 9000 by collision testing.

For the sensor to trigger the belt pretensioner, the car must be subjected to a retardation force, equivalent to hitting a solid barrier at a speed of 18 km/h (11 mph). If the collision occurs at an angle, a higher speed will be necessary for the sensor to trigger the mechanism: the belt pretensioners will therefore not be actuated in a side-on collision, or if the car is hit from behind or overturns.

# Trim

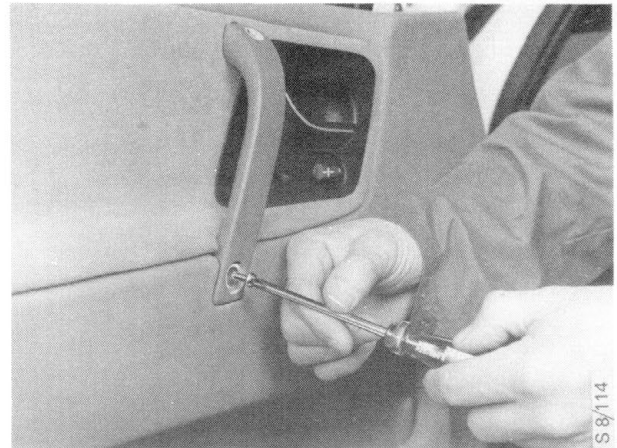
Door trim . . . . .	851-1	Pillar trim . . . . .	851-10
Headlining . . . . .	851-4		

## Front and rear door trim

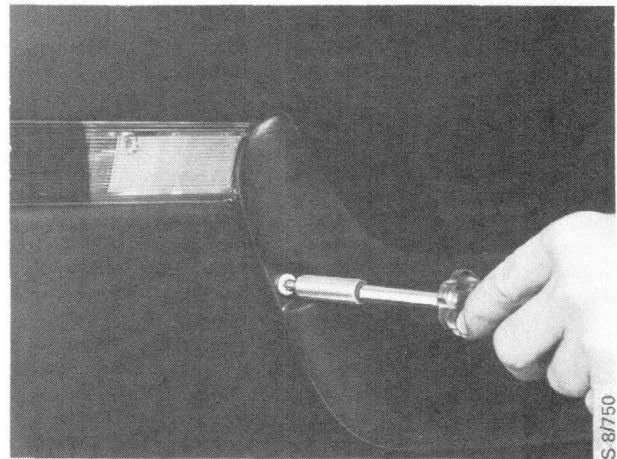
### Removal and refitting

Disconnect the negative (-) battery lead and cover the terminal pole on the battery.

- 1 Remove the door pull. The screws are accessible behind the rubber caps.



- 2 Remove the plastic caps and securing screws in the door storage pocket.



- 3 Cars with electric door mirrors

Driver's door:

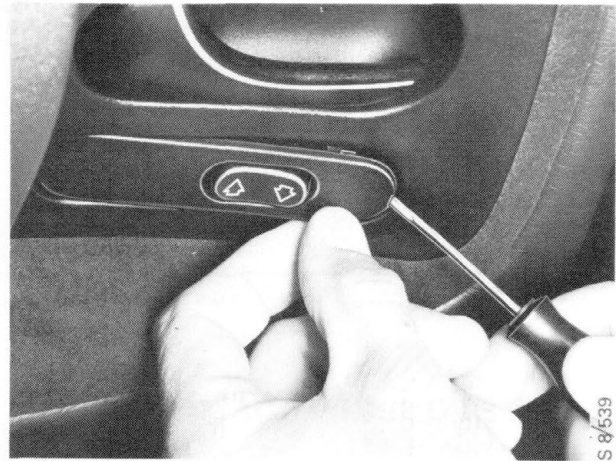
Pull the knob off the mirror-selector switch and remove the foam-plastic seal. Insert a screwdriver and press the catch forward. Unplug the electrical connector and remove the switch panel.



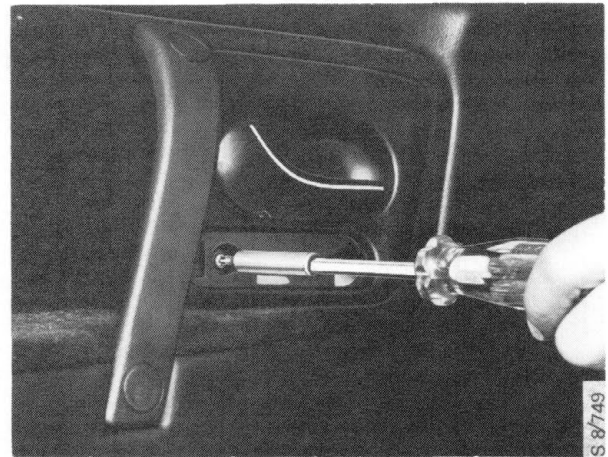
## 851-2 Trim

Front passenger door (and driver's door on cars with manual door mirrors):  
Insert a screwdriver at the front of the switch panel blank and carefully prise off the panel.

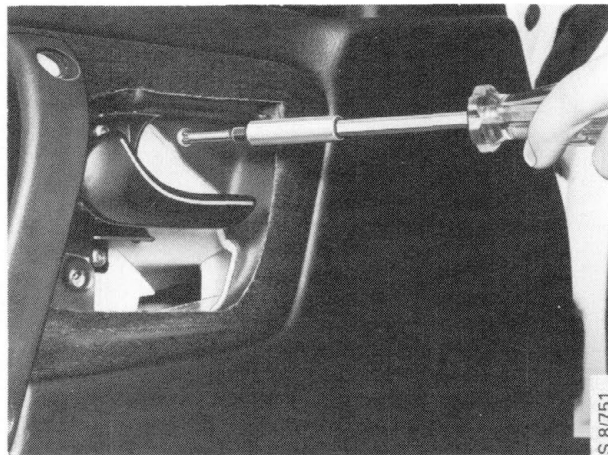
Rear doors, cars with electric windows:  
Insert a screwdriver at the front of the switch panel and carefully prise off the panel. Unplug the electrical connector.



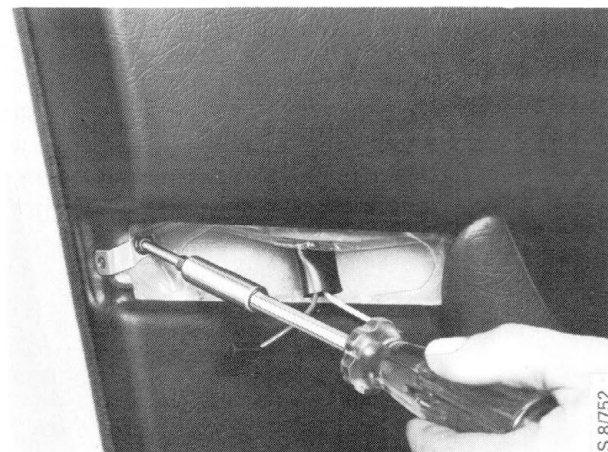
- 4 Remove the screw located behind the panel and lift off the handle surround.



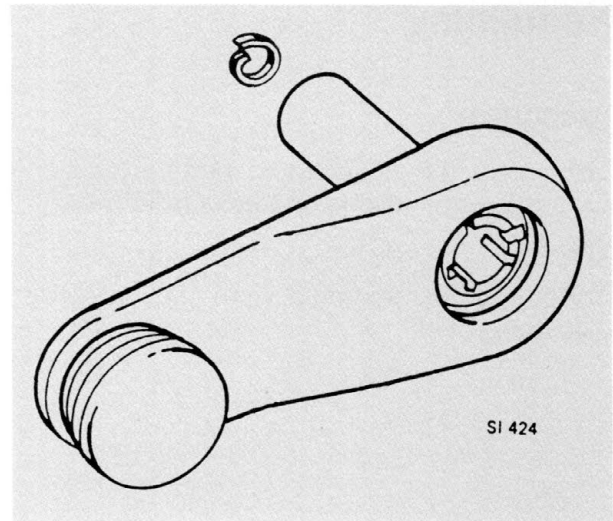
- 5 Remove the screw.



- 6 Remove the door lights.  
7 Remove the bracket for the door light fitting.



- 8 Cars with manual windows:  
Remove the screw cap, screw and window winder handle. Save the spring washer between the winder handle and the spindle.



- 9 Release the bottom edge of the door panel (plastic clips) and lift upwards to release the panel complete.

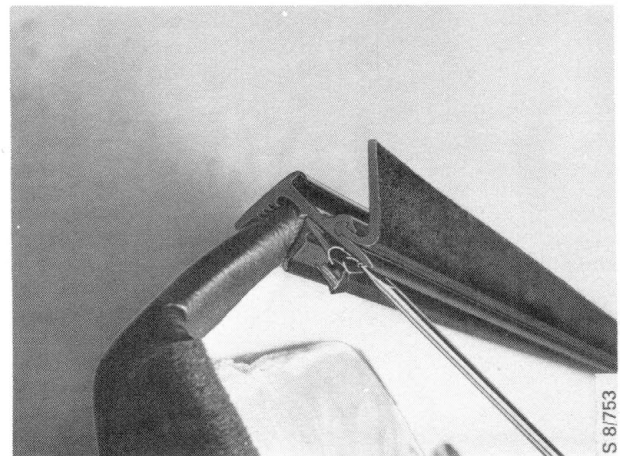
Refit in the reverse order  
Reconnect the battery.

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**N.B.**

Remove the clips from the trim and refit them to the taped edge of the door.

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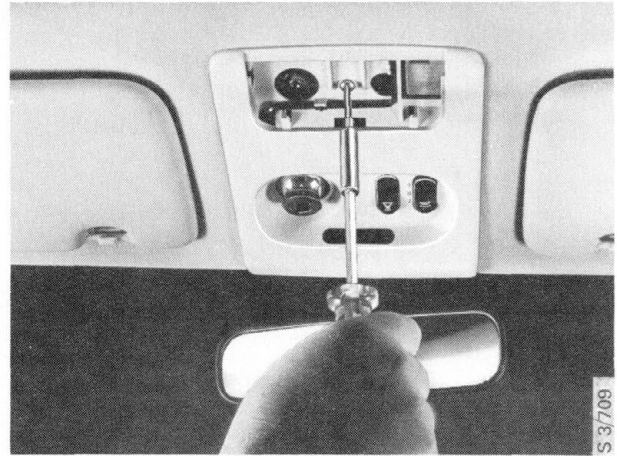


## Headlining

### To remove

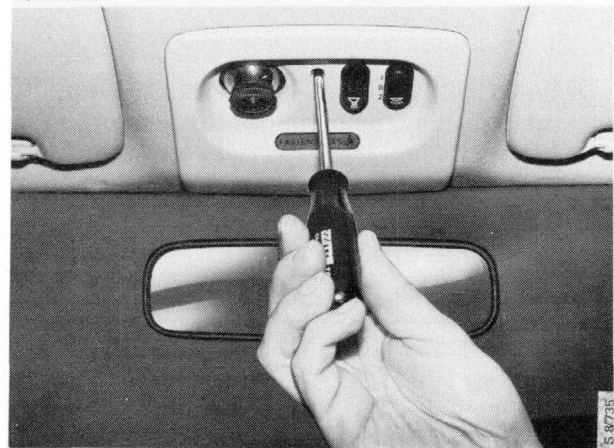
Disconnect the negative (-) battery lead and cover the terminal pole on the battery.

- 1 Remove the surround from the overhead switch panel.



*On cars with electric sunroof*

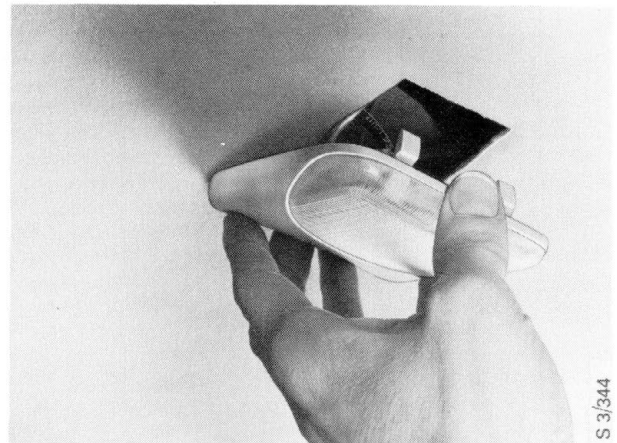
On early cars not fitted with a sunroof, the surround is held by just a clip.



*On cars not fitted with sunroof*

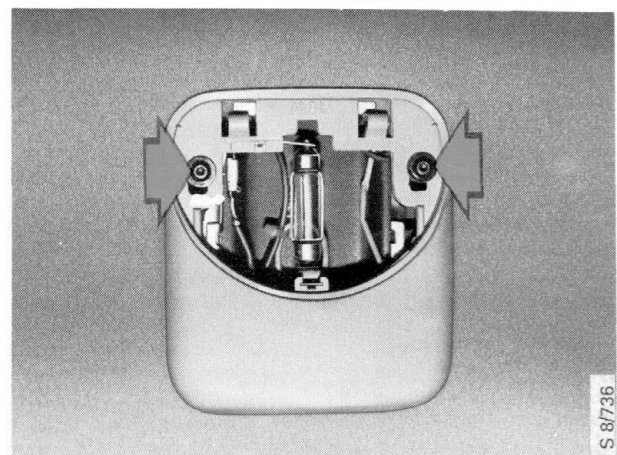
Cars with sunroof:

- 2 Pull down the dome light and unplug the connector.

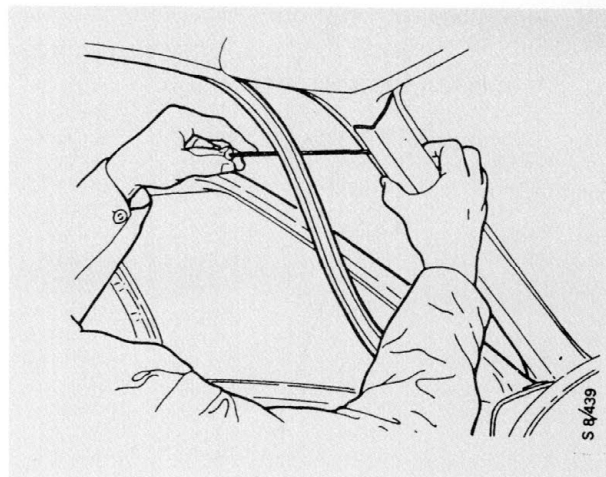


Cars not fitted with sunroof:

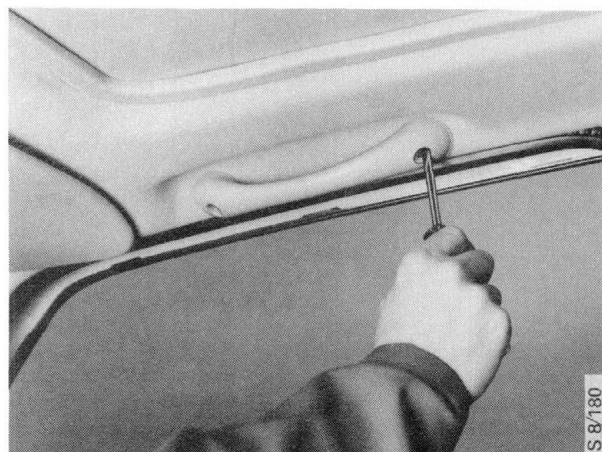
- 2 Remove the glass from the dome light fitting, followed by the screws, pull down the fitting and unplug the connector.



- 3 Ease off the top of the door trim seal on either side.
- 4 Remove the trim from the A pillars.



- 5 Remove the courtesy handles from over the doors.



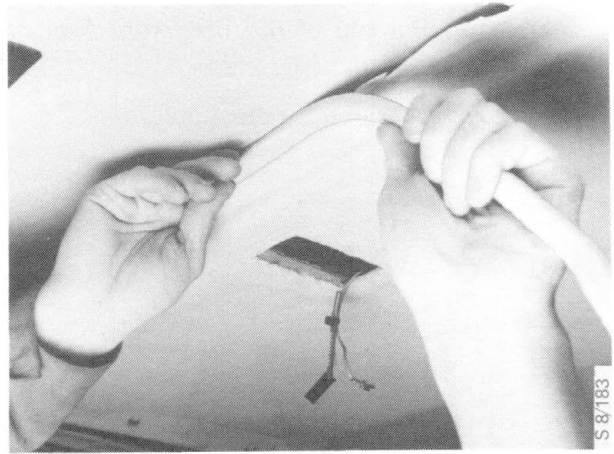
- 6 Remove the RH scuff plate, seat-belt anchorage and trim from the RH B pillar.

- 7 Remove the sun visors.

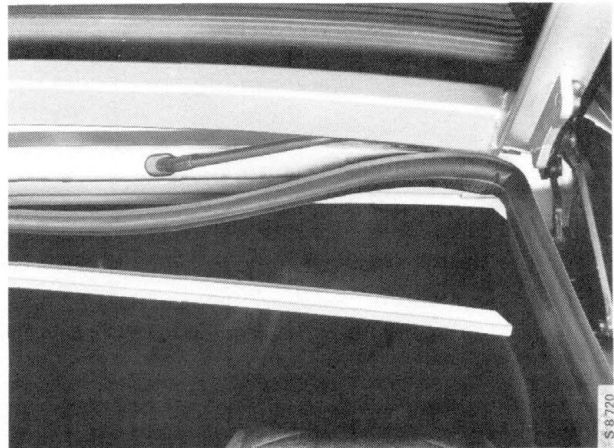


## 851-6 Trim

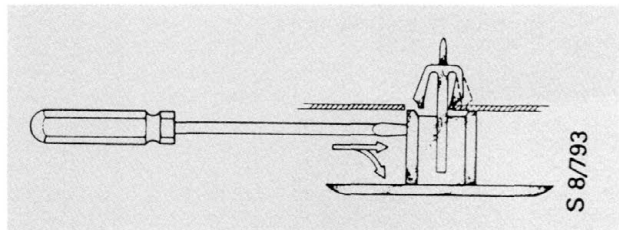
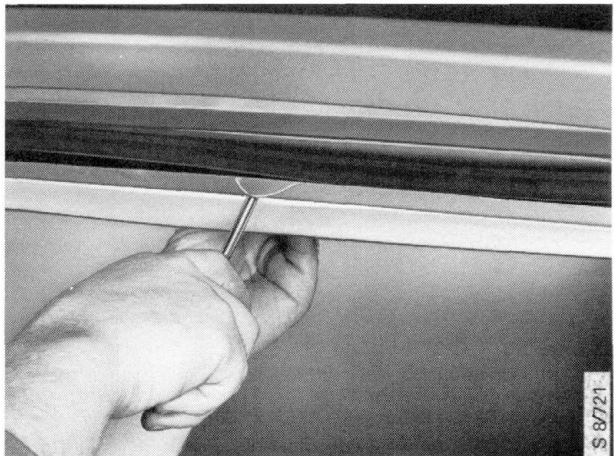
- 8 Cars fitted with sunroof:  
Remove the moulding and free the trim from the edge of the sunroof aperture.



- 9 Remove the tailgate weatherstrip and plastic moulding.

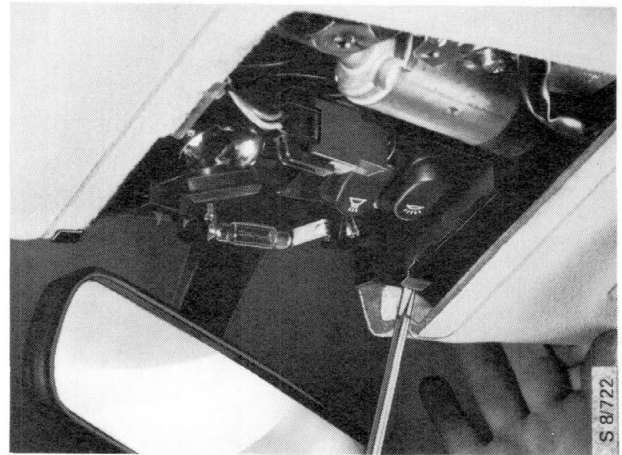


- 10 Remove the plastic fastener securing the trailing end of the headlining. Take care not to pinch the electrical lead.



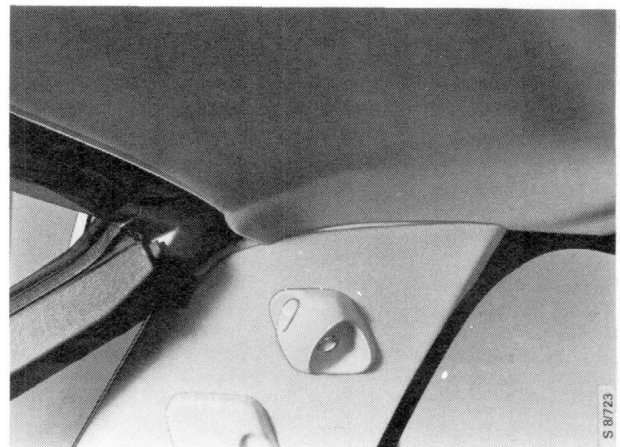


- 11 Release the headlining at the overhead switch panel and pull down the leading edge.



- 12 Release the headlining from the trim on the LH B pillar.

- 13 Slide the headlining forward to release it from the trim at the C pillar.



- 14 Lift out the headlining through the tailgate.



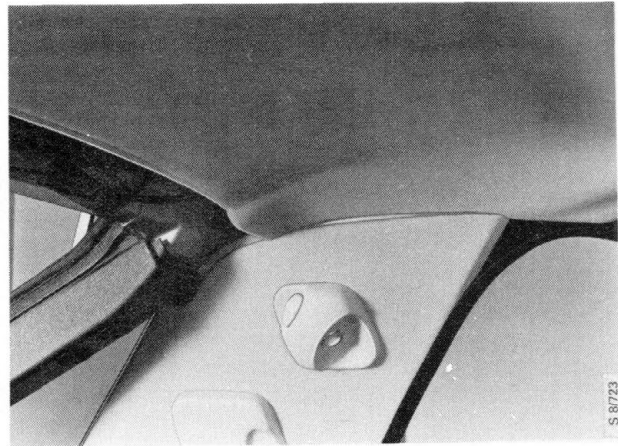
### To refit

- 1 Lift the headlining into the car through the tailgate.

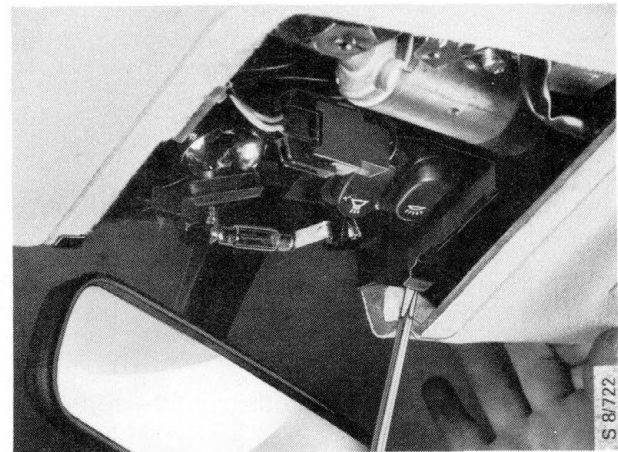
## 851-8 Trim

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- 2 Slide the headlining forwards beyond the C pillar.
- 3 Slide the headlining back so that it fits snugly behind the C pillar trim.



- 4 Support the headlining on the LH B pillar.
- 5 Fit the headlining at the overhead switch panel.



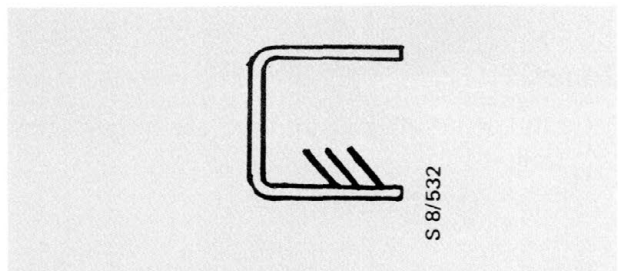
- 6 Refit the top of the trim strip in the door apertures.
- 7 Refit the courtesy handles and screw caps above the doors.
- 8 Cars fitted with sunroof:  
Apply adhesive to the edge of the headlining and fit the moulding.

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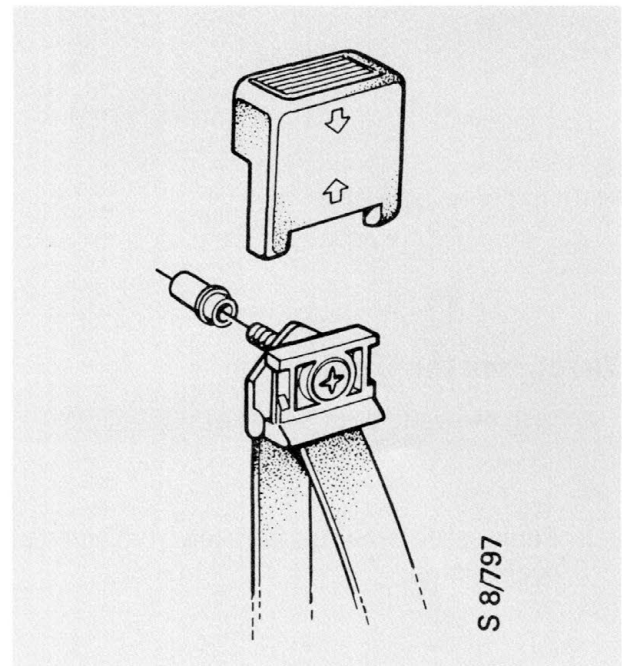
**N.B.**

Make sure that the edge with the plastic ribbing is at the bottom.

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- 9 Refit the B pillar trim.
- 10 Refit the dome light.
- 11 Complete the fitting of the door trim seals.
- 12 Refit the sun visors.
- 13 Refit the A pillar trim.
- 14 Refit the overhead switch panel surround.
- 15 Refit the RH seat-belt guide to the B pillar.



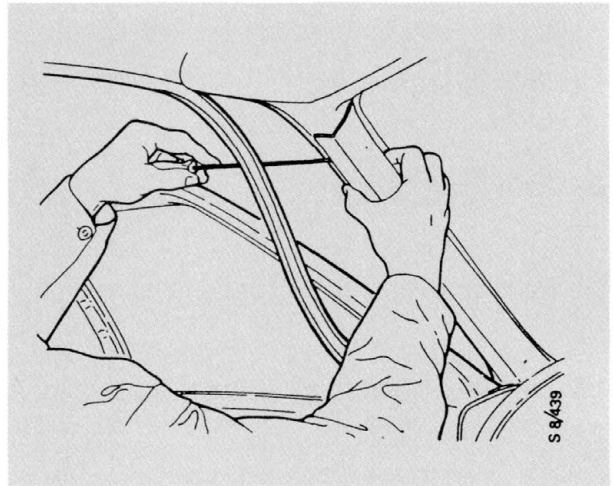
*Belt-guide screw and spacer*

- 16 Refit the RH scuff plate.
- 17 Refit the plastic fastener at the back of the headlining.
- 18 Refit the plastic moulding and tailgate weatherstrip.  
Reconnect the battery.

## Pillar trim

### To replace the A pillar trim

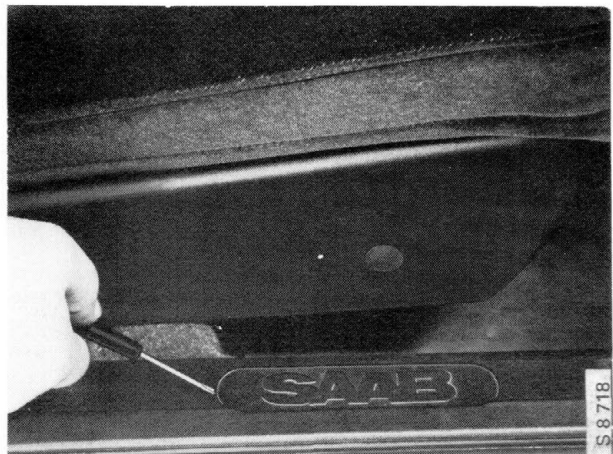
- 1 Ease away the door trim seal.
- 2 Remove the A pillar trim.



Refit in the reverse order

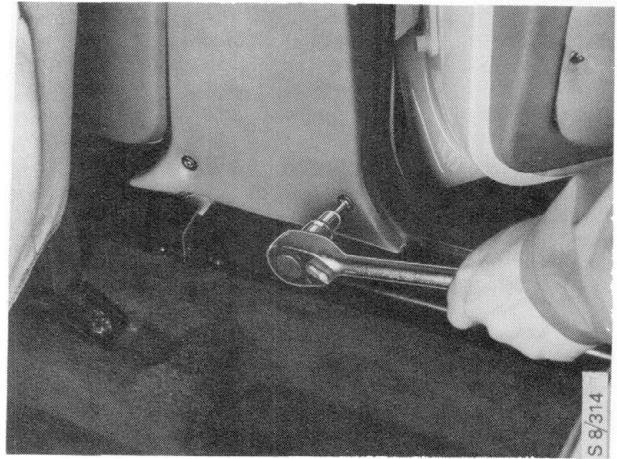
### To replace the B pillar trim

- 1 Ease away the door trim seal.
- 2 Remove the cappings from the front and rear scuff plates.

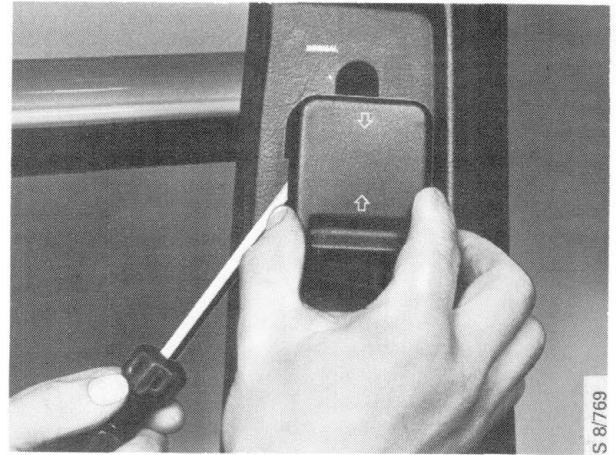


- 3 Unscrew and remove the scuff plates.

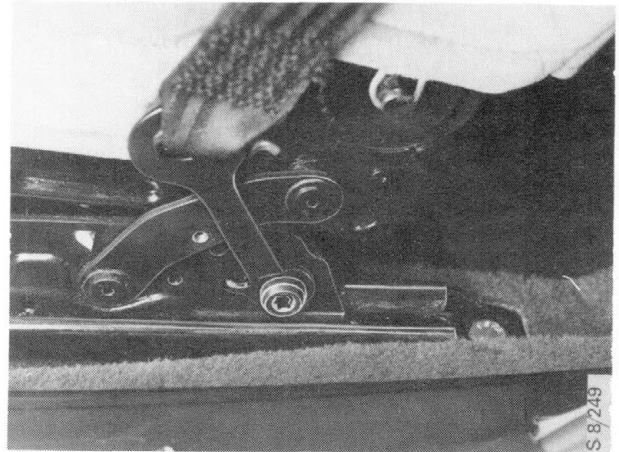
4 Remove the screws for the B pillar trim.



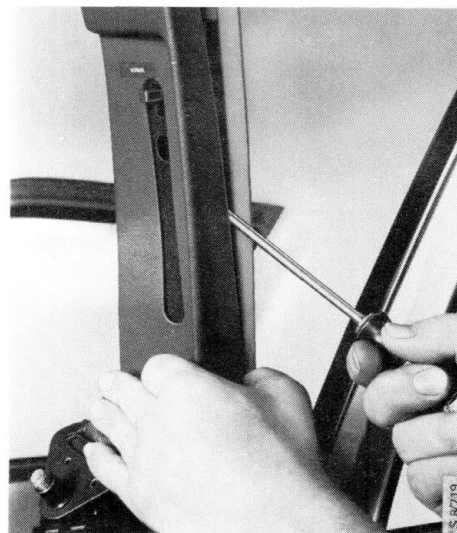
5 Take off the cover and remove the seat-belt guide from the B pillar.



6 Remove the seat side panel (two screws: one behind height-adjustment lever) and detach the seat belt from the seat.



7 Pull away the trim from the top of the B pillar, pass the belt guide and tongue through the aperture in the trim and remove the trim.

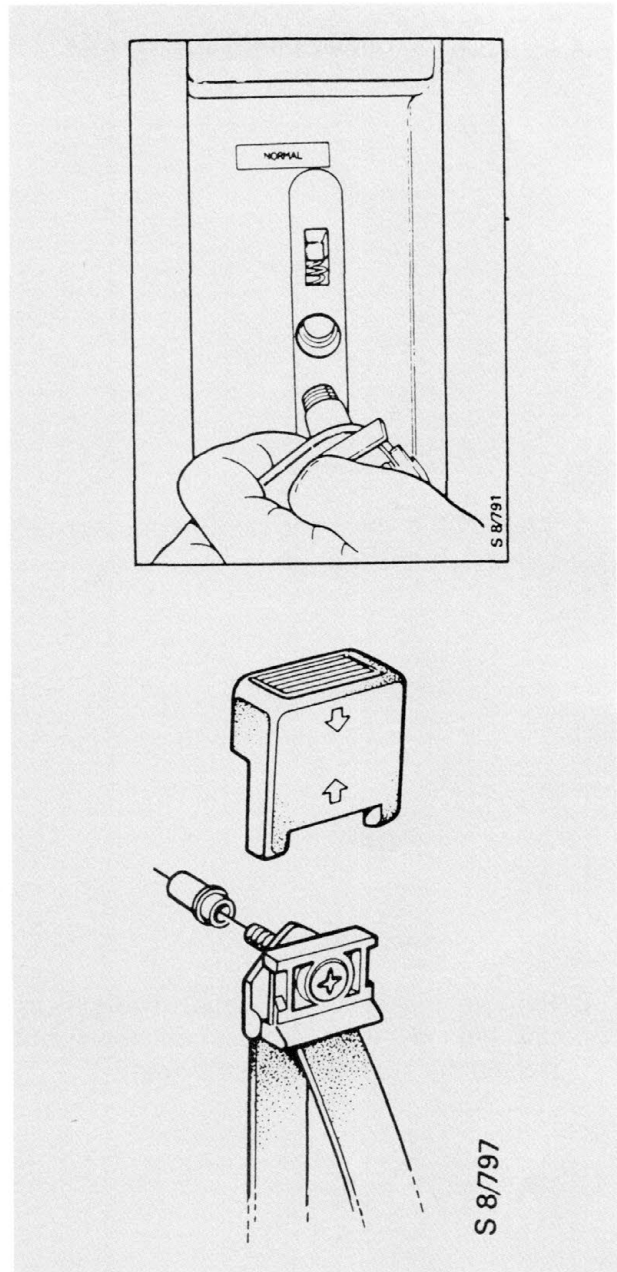


## 851-12 Trim

Refit in the reverse order

### **N.B.**

There are two holes in the cover on the seat-belt height-adjusting mechanism. Fit the screw for the belt guide through the round hole.



### **To replace the C pillar trim**

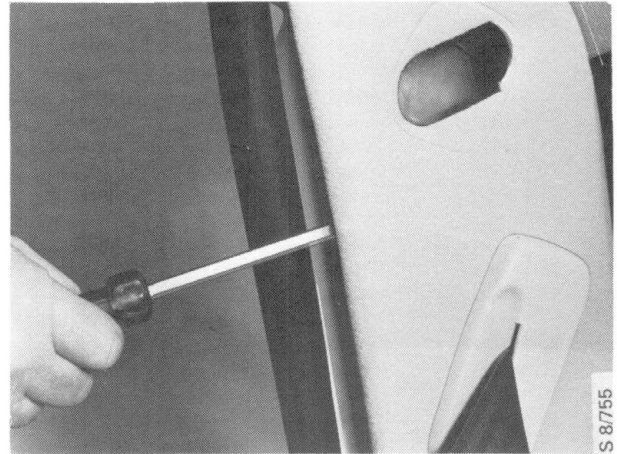
Disconnect the negative (-) battery lead and cover the terminal pole on the battery.

- 1 Lift out the parcel shelf.
- 2 Drop the backrest forward.
- 3 Remove the nut and four screws and swivel out the bracket.

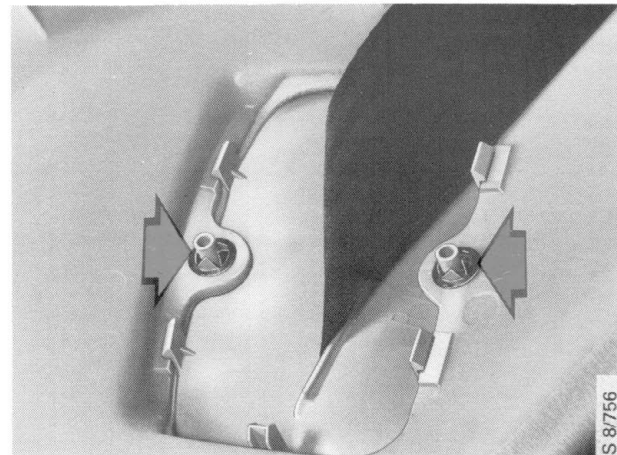
*Belt-guide screw and spacer*



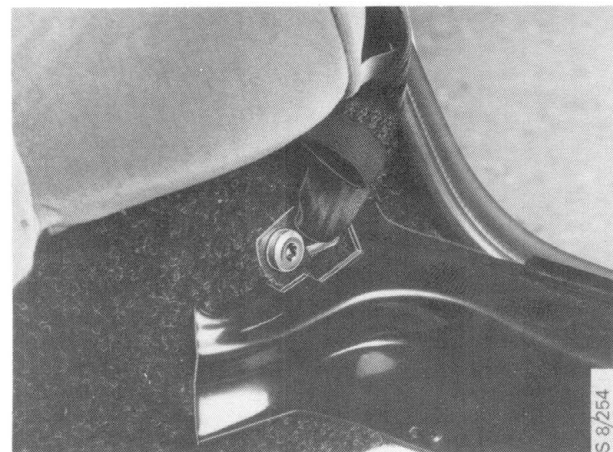
- 4 Remove the reading light from the trim and disconnect the electrical leads.
- 5 Ease away the door trim seal from the C pillar.
- 6 Pull away the trim (secured by plastic clips).



- 7 Release the clips and remove the belt cover from the trim.



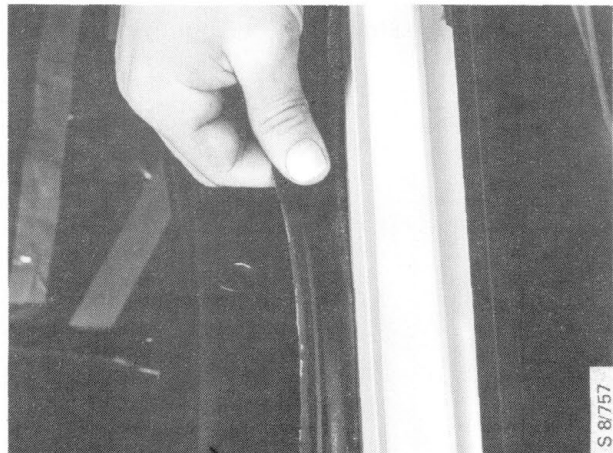
- 8 Unscrew the lower belt anchorage and remove the trim.



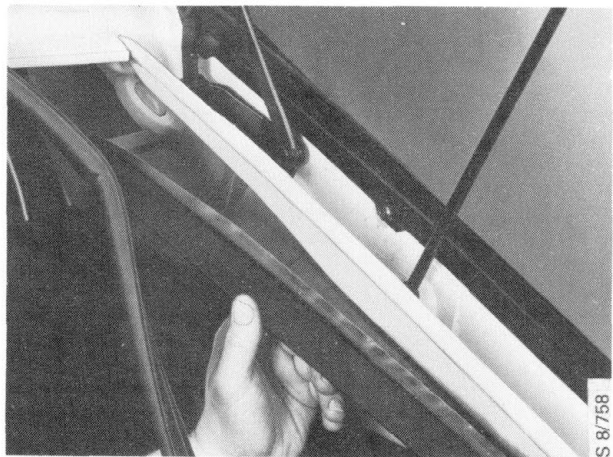
Refit in the reverse order  
Reconnect the battery.

### To replace the D pillar trim

- 1 Pull away the tailgate weatherstrip and save the metal finisher for the luggage-compartment trim.
- 2 Peel back the edge of the trim, which is stuck to the body.



- 3 Release the trim from the plug-type clips.



Refit in the reverse order



# Seats, seat cushions and carpeting

Front seats . . . . . 852- 1  
 Seat heating pads . . . . . 852-10

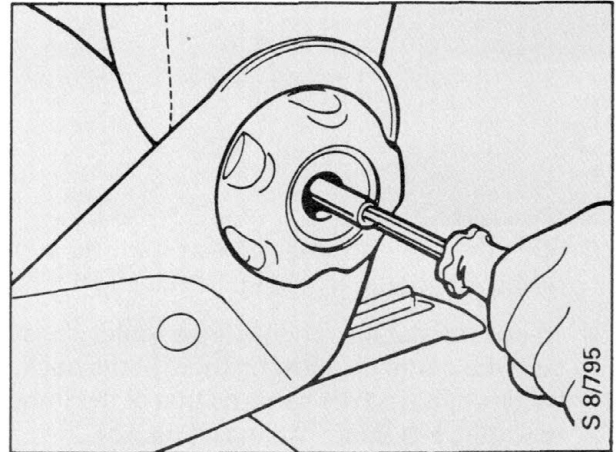
Rear seat . . . . . 852-14

## Front seats

### Removal

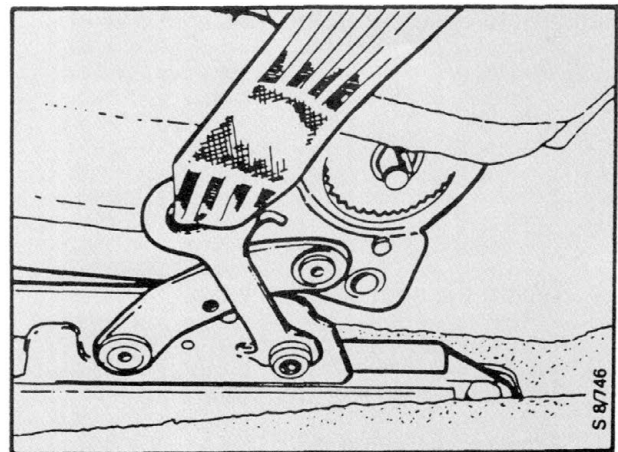
Disconnect the negative (-) battery lead and cover the terminal pole on the battery.

- 1 Remove the screw cap, screw and backrest-adjustment wheel.



- 2 Remove the two screw caps (one located behind the height-adjustment lever) and unscrew the seat side panel.

- 3 Undo the seat-belt anchorage.

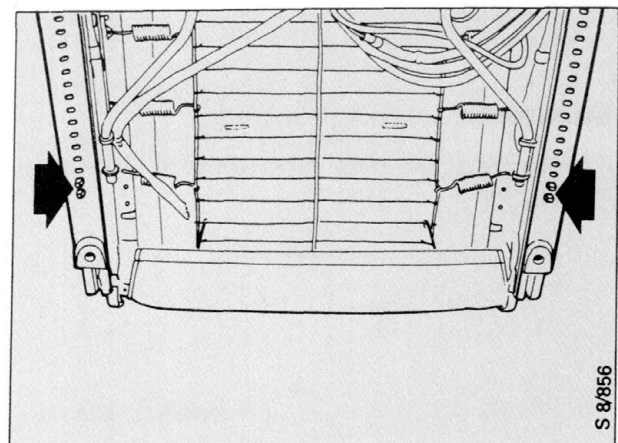


- 4 Unscrew the seat runners from the floor.

- 5 Fold back the carpeting, unplug the electrical connector and lift out the seat.

### Refitting

- 1 Make sure that the catches on either side are engaged in the rear-most notches.



## 852-2 Seats, seat cushions and carpeting

- 2 Lift the seat into the car and plug in the electrical connectors.
- 3 Fit and tighten the front railretaining bolts.

**Tightening torque:  $30 \pm 9$  Nm ( $22 \pm 7$  lbf ft).**

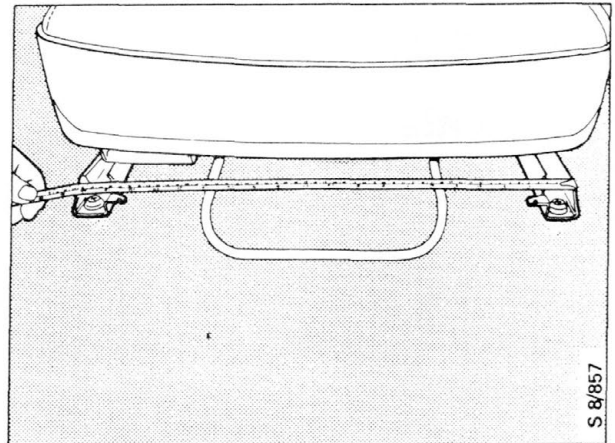
- 4 Measure the distance between the rails at the front.

---

### **N.B.**

Make sure that the legroom adjustment control does not interfere with the measurement.

---

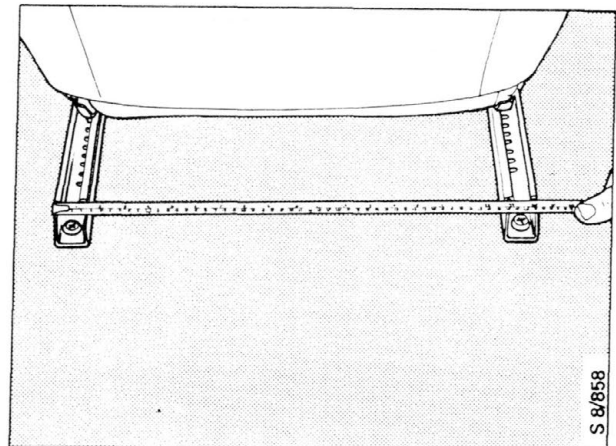


- 5 Slide the seat forward as far as it will go and fit the rear bolts, leaving them slack.
- 6 To ensure that the runners are parallel, measure the distance between them at the back, which should be the same as that at the front to within  $\pm 0.5$  mm. Adjust as necessary.

Tighten the bolts.

**Tightening torque:  $30 \pm 9$  Nm ( $22 \pm 7$  lbf ft)**

Recheck to ensure that the rails are parallel.

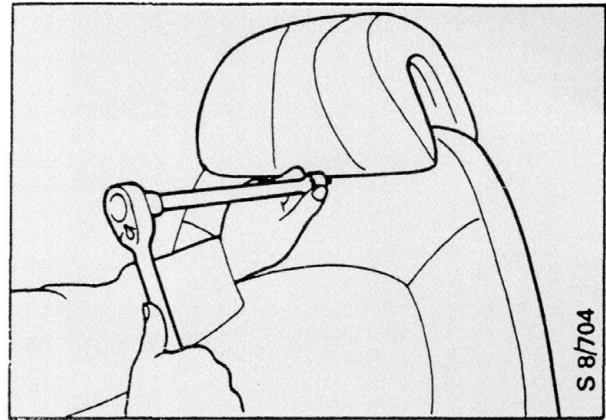


- 7 Secure the seat belt to the seat.  
Refit the seat side panel.  
Refit the backrest - adjustment wheel.  
Reconnect the battery.

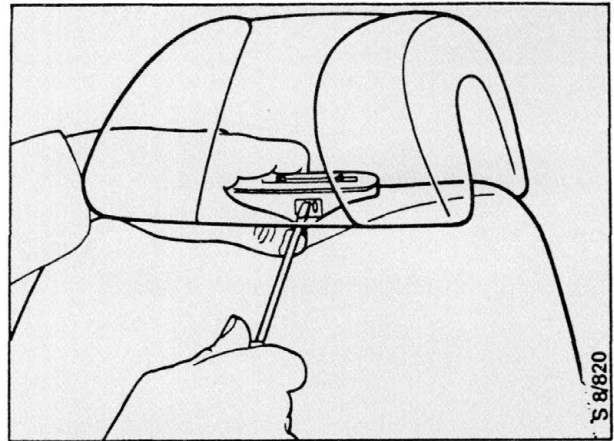
### **Backrest cover - to remove**

- 1 Remove the seat from the car (see page 852-1).

2 Undo the setscrew for the head restraint.

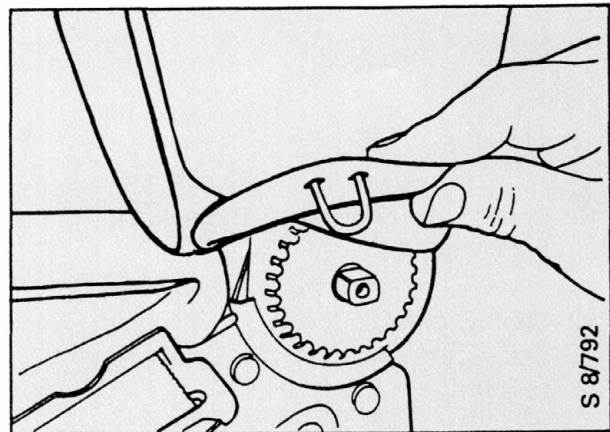


3 Use a screwdriver to push in the catch and remove the head restraint and guide sleeve complete.



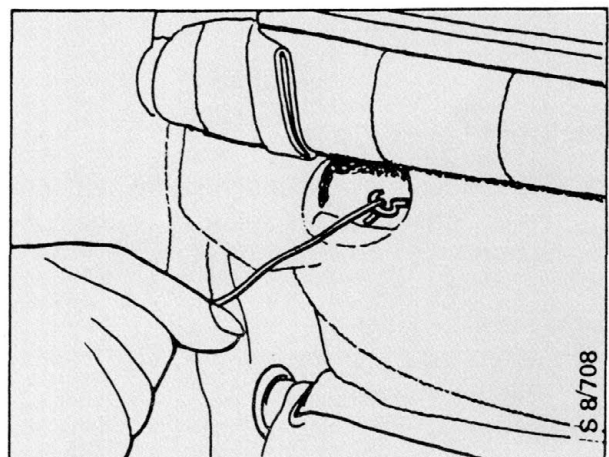
4 Remove the screw cap, screw and lumbar-support control.

5 Release the loop fastener on either side (the one on the inboard side of the seat is secured by a lock washer).



6 Undo the zip in the backrest cover.

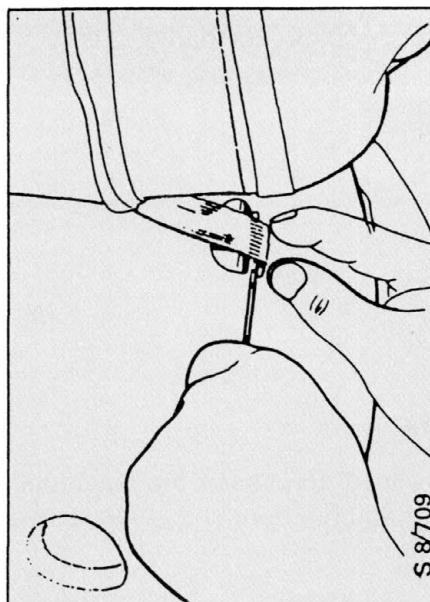
7 Carefully roll up the cover and use a bent piece of wire to unhook the two fasteners. Roll the cover up further and unhook the next two fasteners.



## 852-4 Seats, seat cushions and carpeting

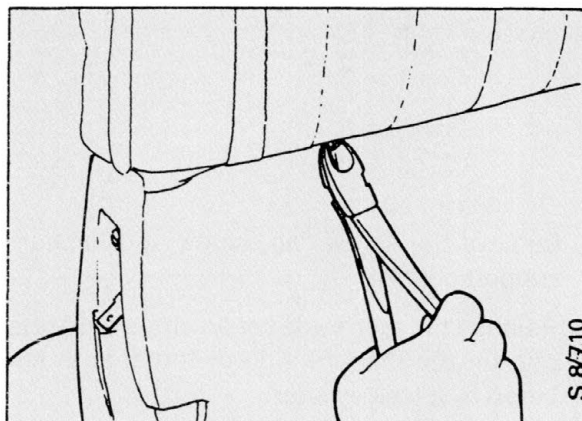
---

8 Undo the elastic webbing on either side.



9 Unhook the next two fasteners.

10 Snip off the four staples.



11 Unhook the last two fasteners and remove the cover.

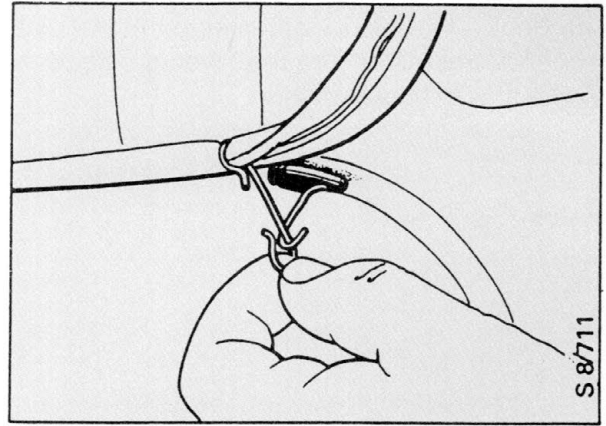
12 Unplug the connector for the heating pad and remove the foam plastic and heater pad together.

### **Backrest cover - to fit**

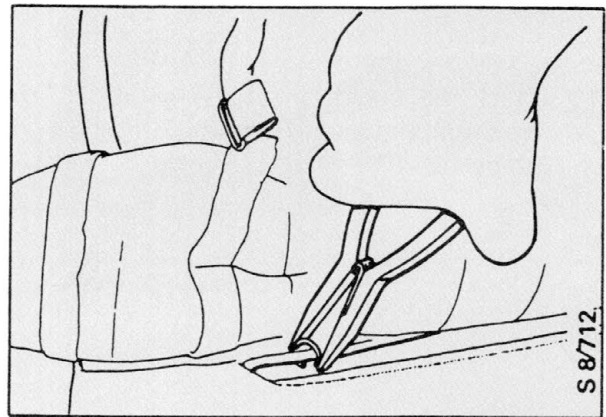
1 Slip the foam plastic and heating pad onto the backrest together and plug on the connector.

2 Positioning the cover carefully, slide it partly onto the backrest.

- 3 Using a piece of bent wire, hook on the first two fasteners.

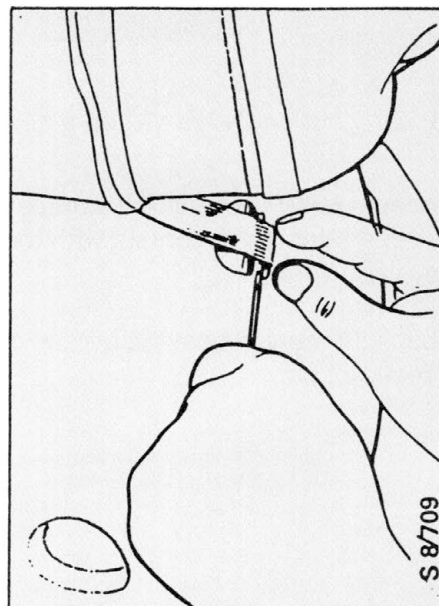


- 4 Fit four staples in the cover using the pliers included in fitting kit 84 71 062.



- 5 Hook on the next two fasteners.

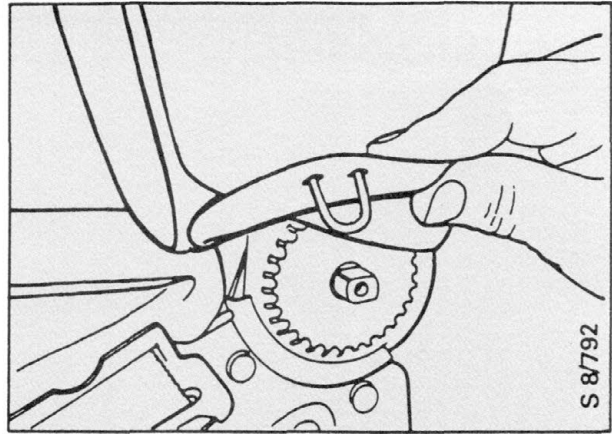
- 6 Secure the elastic webbing on either side.



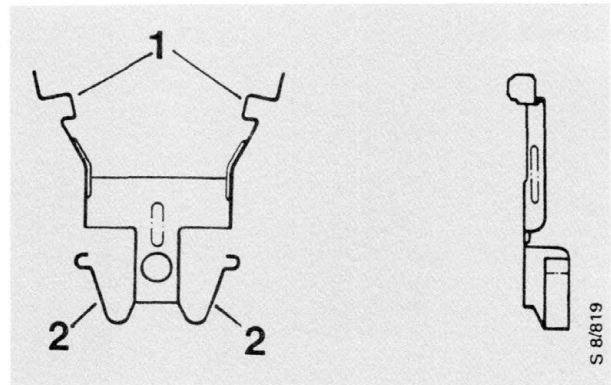
- 7 Hook on the remaining four cover fasteners.

## 852-6 Seats, seat cushions and carpeting

- Hook on the loop fasteners on either side, securing the one on the inboard side of the seat with a lock washer.



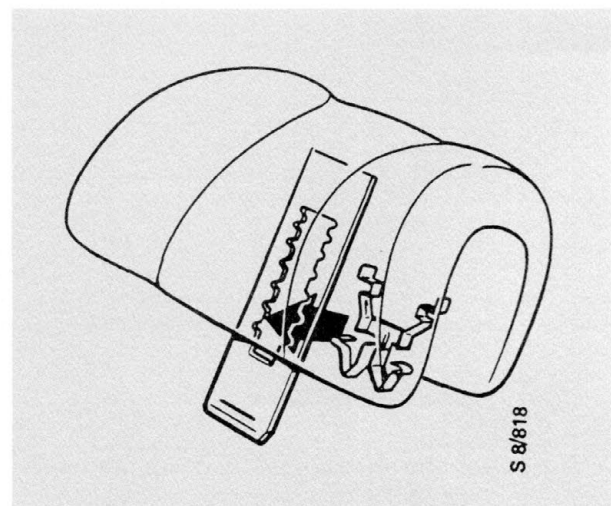
- Close the zip.
- Check the condition of the spring for the head restraint and, if distorted, fit a new one (steps 11 - 13).



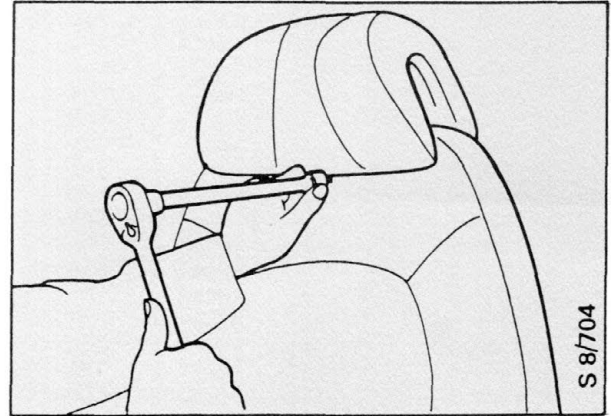
- Retaining spring for head-restraint guide sleeve
- Spring for height adjustment

Steps 11 - 13: carry out only when fitting a new spring.

- Apply petroleum jelly to the sliding surfaces of the head-restraint bar in contact with the guide sleeve and spring.
- From the back, fit the spring at the bottom of the head-restraint bar.



- 13 Insert the bar into the guide sleeve and slide the sleeve up and down to check that the spring has engaged the sleeve and is running freely on the bar.
- 14 Fit the head restraint complete with guide sleeve to the seat.
- 15 Position the head restraint one notch below maximum height and insert and tighten the setscrew.



- 16 Check the functioning of the head restraint adjustment.
- 17 Refit the lumbar-support control.
- 18 Refit the seat in the car and plug together the connectors. (See page 852-1).
- 19 Secure the seat belt to the seat.
- 20 Refit the seat side panel.
- 21 Refit the backrest-adjustment wheel.

Reconnect the battery.

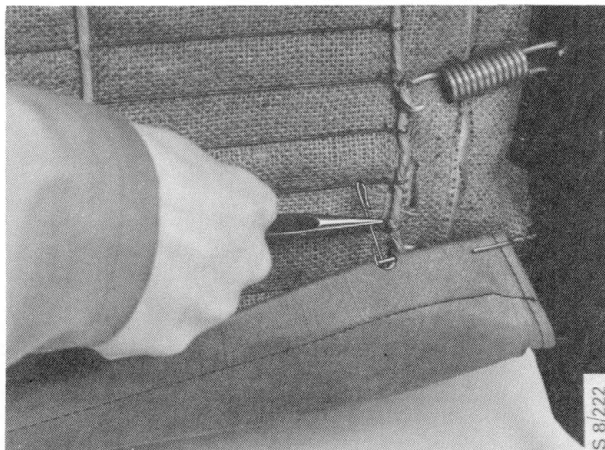
### Cushion cover - to remove

1 Remove the seat from the car (see page 852-1).

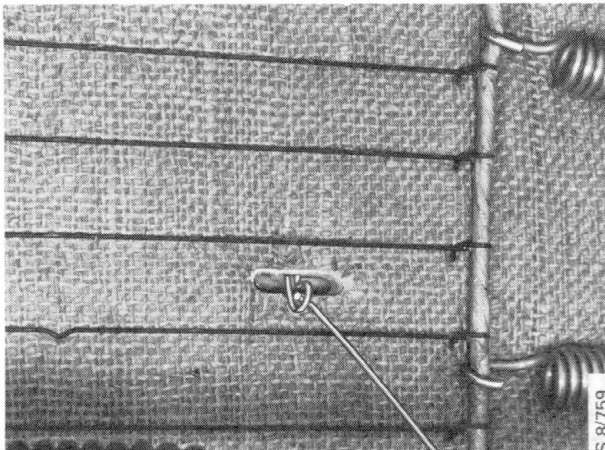
2 Undo the two staples in the leading edge of the cushion.



3 Unhook the two fasteners at the back of the cushion.

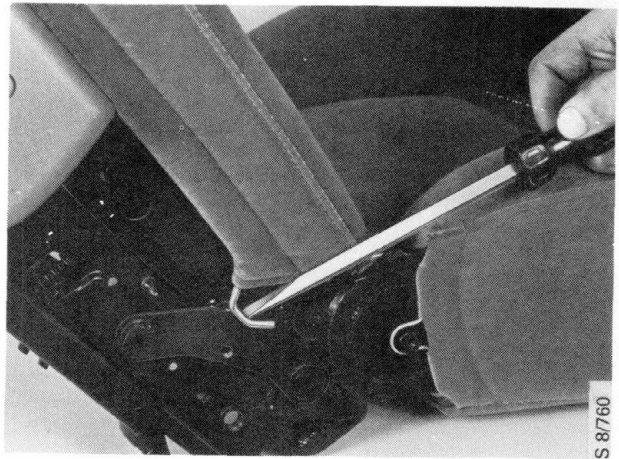


4 Use a piece of bent wire to unhook the fasteners on the underside of the cushion.



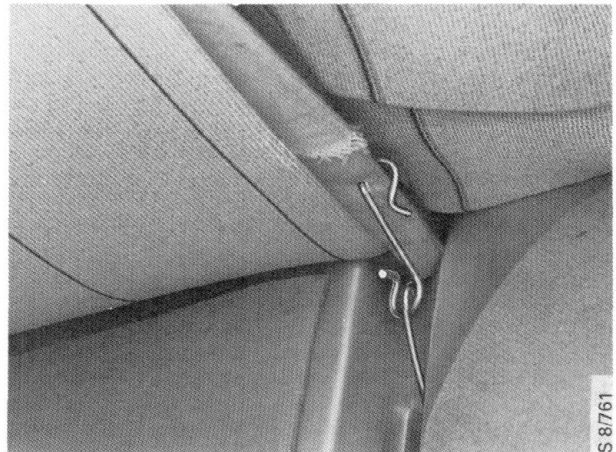


- 5 Release the tensioner at either side and remove the cover.

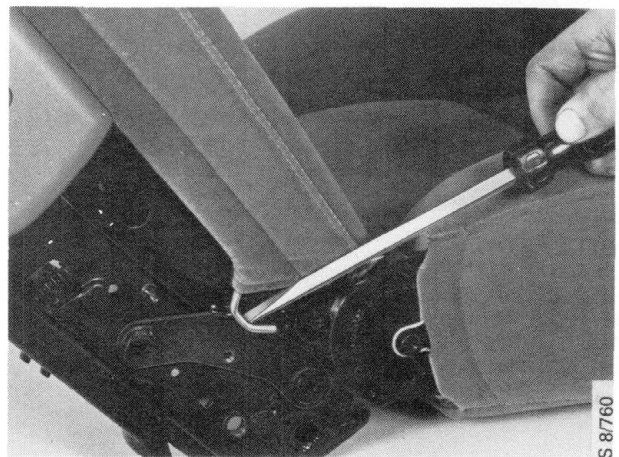


### Cushion cover - to fit

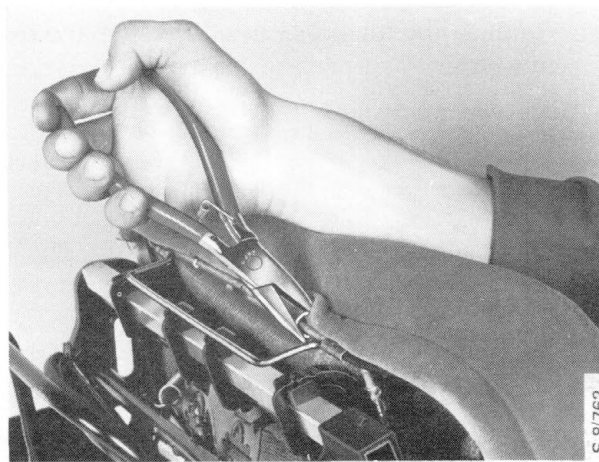
- 1 Slide the cover into position on the cushion.
- 2 Hook the fasteners onto the elastic mat, using a piece of bent wire to pull the fasteners through the cushion.



- 3 Attach the tensioner at the back and stretch the cover over the cushion.



- 4 Fit the staples in the leading edge of the cover using the pliers included in fitting kit 84 71 062.



- 5 Refit the seat in the car and plug together the electrical connectors. (See page 852-1).

**Seat runner tightening torque:**  
**30 ± 9 Nm (22 ± 7 lbf ft)**

### Heating pads

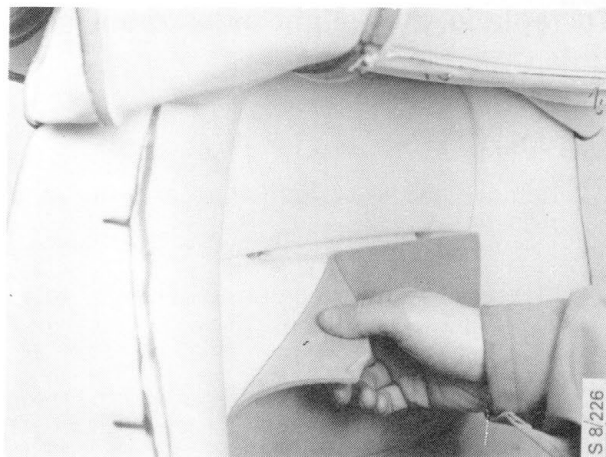
Refer to Section 3:2 for the wiring diagram and fault-diagnosis procedure.

#### To change the backrest heating pad

Disconnect the negative (-) battery lead and cover the terminal pole on the battery.

- 1 Remove the seat from the car (see page 852-1).
- 2 Release the backrest cover (see page 852-2) and roll the cover up to gain access to the heating pad.
- 3 Unplug the electrical connector.

- 4 Remove the heating pad. Use pure petrol cleaner to dissolve the adhesive to keep the amount of foam rubber torn off to a minimum.



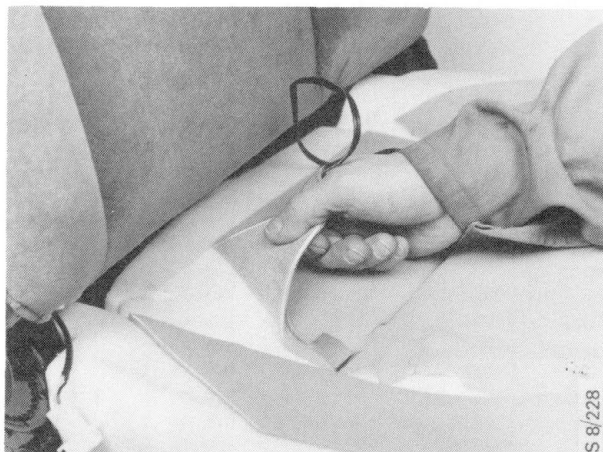
- 5 Fit the new heating pad.
- 6 Pull down and secure the cover and refit the seat in the car (see page 852-4).

Reconnect the battery.

### To change the seat cushion heating pad

Disconnect the negative (-) battery lead and cover the terminal pole on the battery.

- 1 Remove the seat cushion cover (see page 852-8).
- 2 Snip off the tie for the electrical leads. Label the electrical leads for the heating pad and disconnect them from the connector.
- 3 Remove the heating pad complete with thermostat/thermistor. Use pure petrol cleaner to dissolve the adhesive to keep the amount of foam rubber torn off to a minimum.



- 4 Fit the new heating pad.  
Connect the heating pad electrical leads to the connector and use a cable tie to secure the pad and seat-belt wiring looms to the seat.
- 5 After fitting the cushion cover, refit the seat in the car (see page 852-9).

Reconnect the battery.

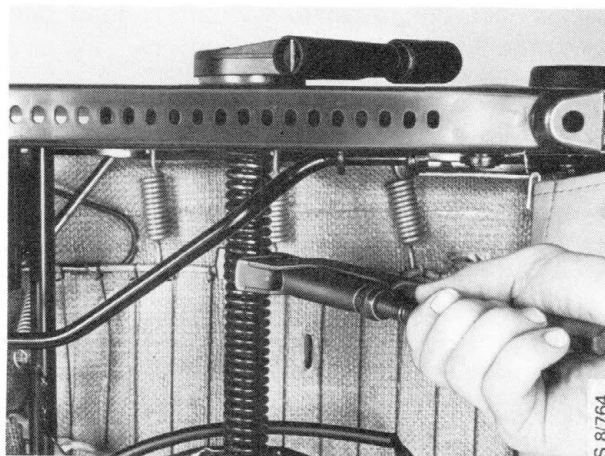
### To replace the height-adjustment control

#### To remove

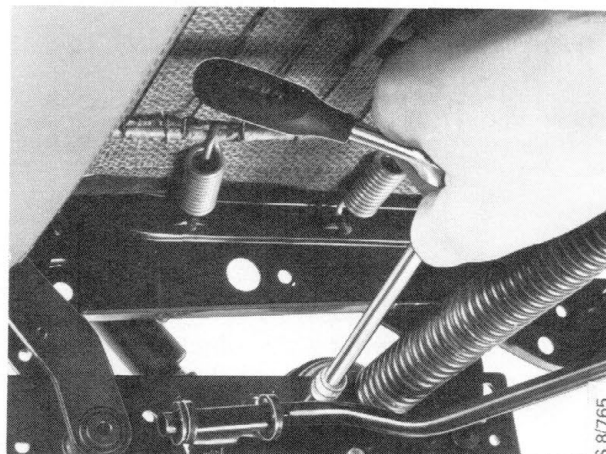
- 1 Remove the seat from the car (see page 852-1).
- 2 Set the lever for maximum seat height, to release the tension in the spring.
- 3 Remove the screw cap and screw and lift the cover off the control.



- 4 Unhook the spring.



- 5 Undo the two securing bolts and remove the control.

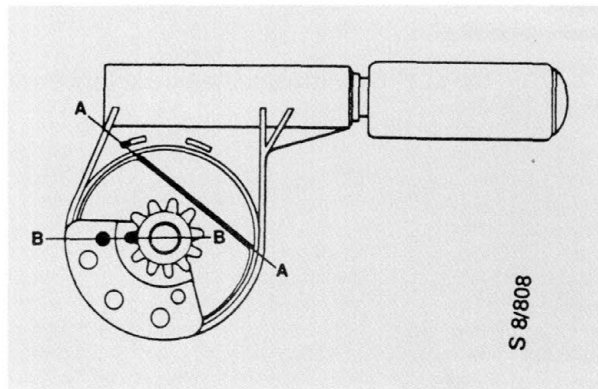


**To fit**

1 Put the seat in its lowest position.

2 Set the height-adjustment control as shown.

Line up the friction-brake housing with the plastic lug as shown (line A-A). For accurate positioning, line up the nearest tooth with the locating lug (line B-B).

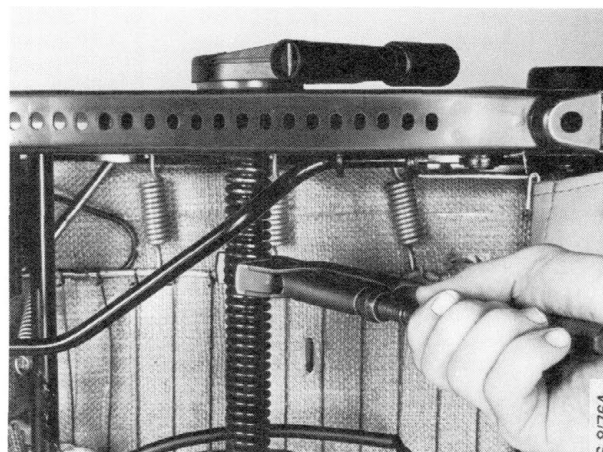


3 Fit the control on the spindle splines and guide the lugs into the holes.

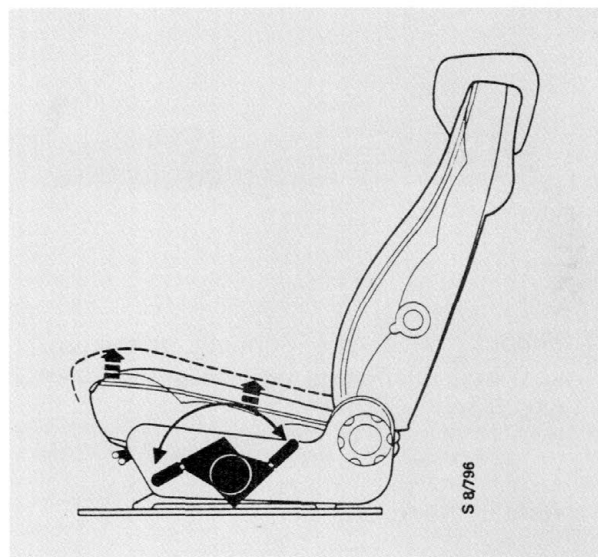
4 Refit the securing bolts.

5 Put the seat in its highest position.

6 Attach the spring.



Check that the height-adjustment control end positions are as shown.



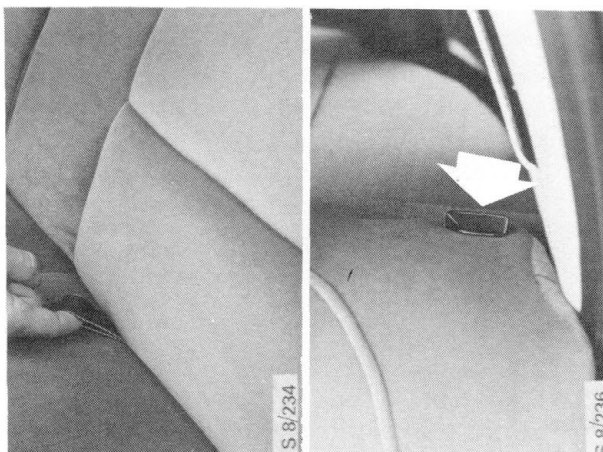
7 Refit the cover on the control.

8 Refit the seat in the car. (See page 852-1).

## Rear seat

### Backrest removal/refitting

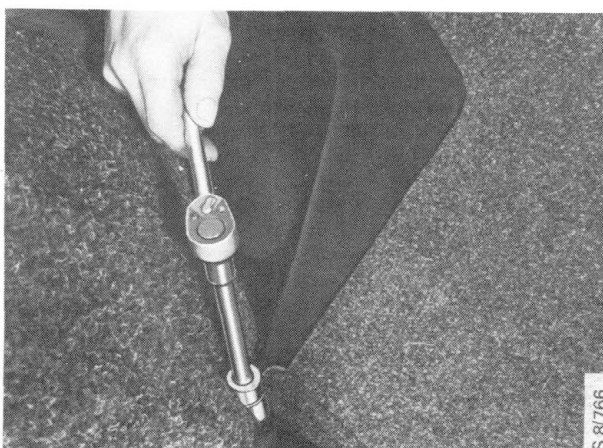
- 1 Drop the seat cushion and backrest forward.



- 2 Remove the screws from the inner bracket.



- 3 Remove the screws from the outer bracket.

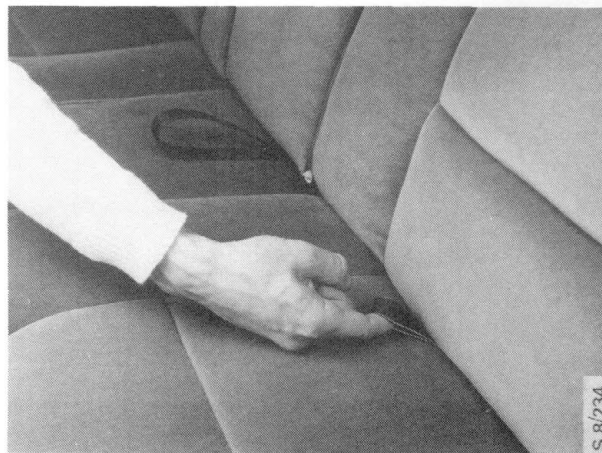


- 4 Unhook the elastic webbing at the lower seat-belt anchorage point and lift out the backrest.

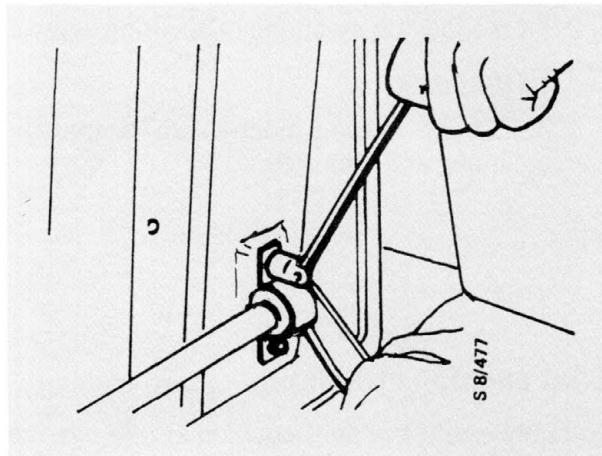
Refit in the reverse order.

### Seat cushion: removal/refitting

- 1 Fold the cushion forward.



- 2 Remove the hinge screws and lift out the seat cushion.

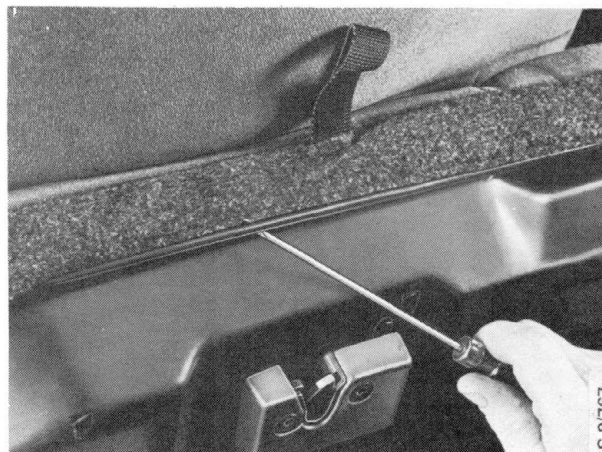


When refitting, push the cushion firmly towards the other cushion.

### Seat cushion locking mechanism

#### To remove

- 1 Ease the rib in the edge of the cover out of the retaining groove.



- 2 Undo the two locking mechanism securing screws.
- 3 Remove the locking mechanism.

### To fit

- 1 Insert the release strap through the aperture in the metalwork and out through the cover.



- 2 Fit the locking mechanism securing screws.
- 3 Fit the cover.
- 4 Adjust the locking mechanism so that the cushions are a snug fit.

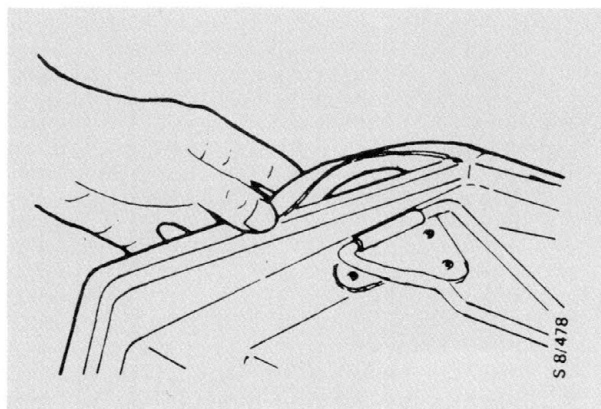
### Seat cushion striker pin

To remove/refit the seat cushion striker pin use socket 82 92 450.

### Seat cushion cover: to change

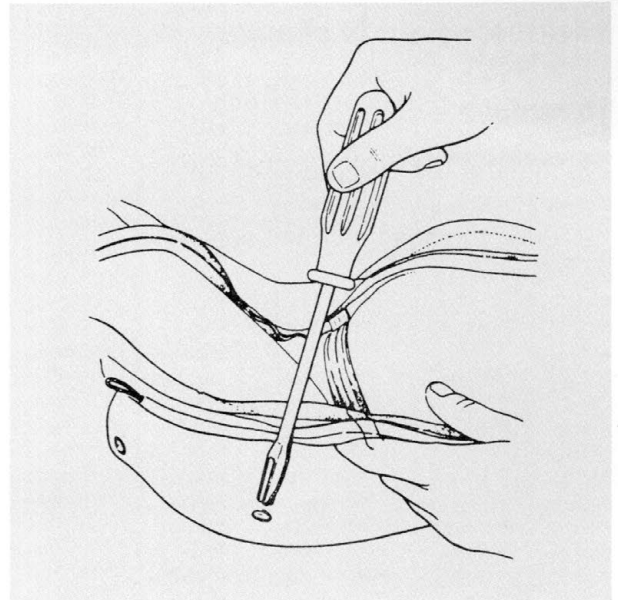
#### To remove

- 1 Remove the seat cushion from the car.
- 2 Ease the rib on the edge of the cover out of the retaining groove all the way round.





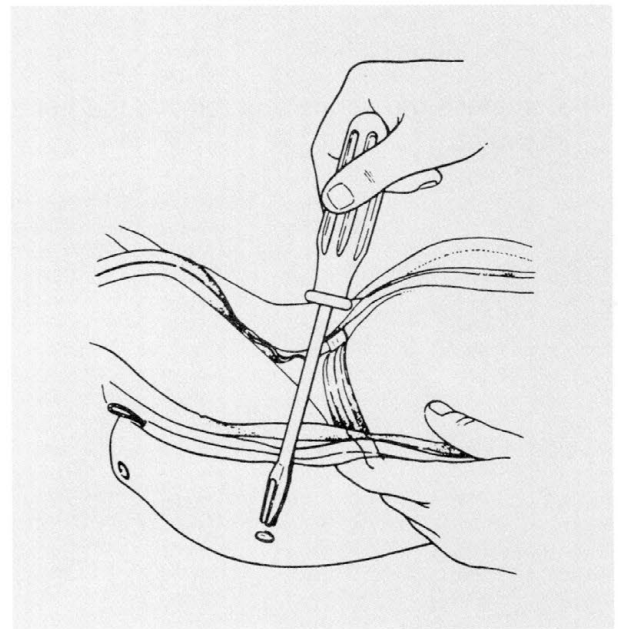
- 3 Release the drawstrings from the clips, using special tool 84 71 096.



- 4 Wider cushion only:  
Remove the staple securing the cover to the frame.
- 5 Lift off the cover.

### To fit

- 1 Position the cover on the cushion.
- 2 Fit the drawstrings by inserting them through the cushion and hooking them onto the clip on the frame.  
Use special tool 84 71 096.

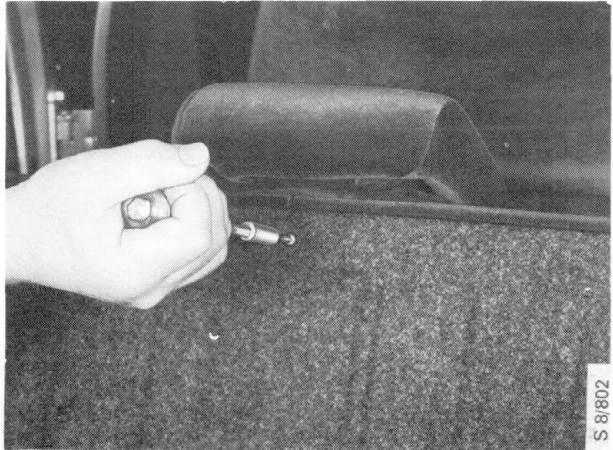


- 3 Wider cushion only:  
Staple the cover to the frame using the staples and pliers included in fitting kit 84 71 062.
- 4 Stretch the cover over the frame.
- 5 Insert the cushion-release strap through the cover.
- 6 Invert the cushion and compress it.  
Fit the rib on the edge of the cover into the groove.
- 7 Refit the seat cushion in the car.

## Backrest cover: to change

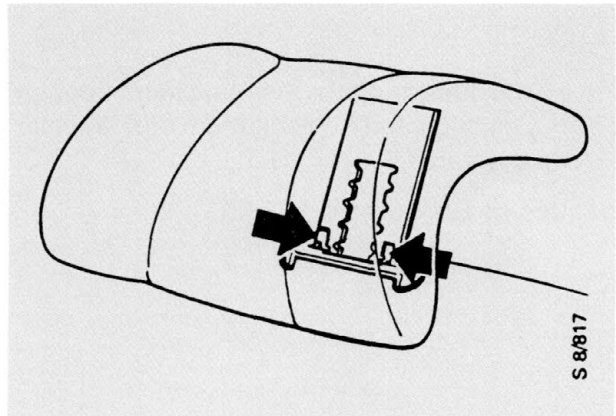
### To remove

- 1 Remove the backrest from the car.
- 2 Undo the head restraint setscrew.

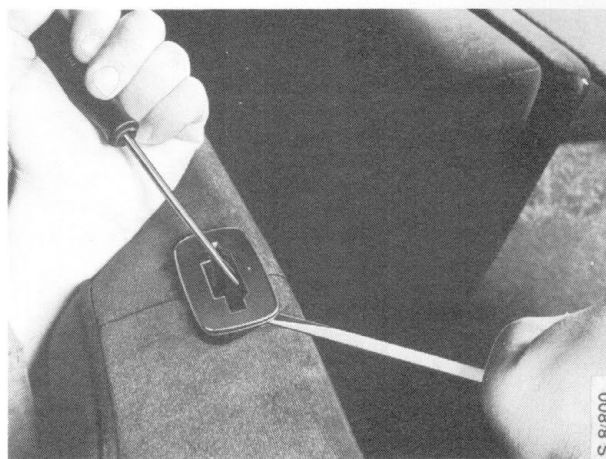


- 3 Raise the head restraint and pull back the cover to free the cover fasteners from the guide sleeve.

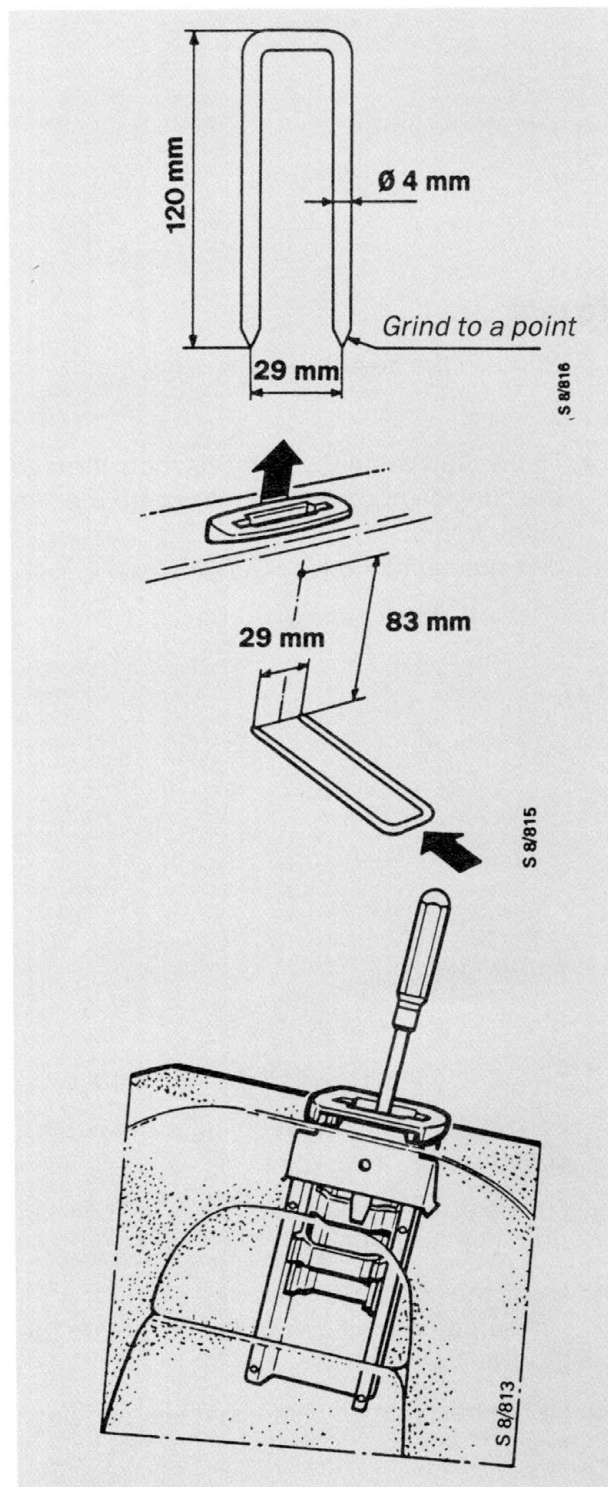
- 4 Compress the spring and remove the head restraint.



- 5 Use a screwdriver to release the catch and, by means of a screwdriver in the other hand, lever up the guide sleeve.



If the guide sleeve gets stuck about 4 mm from the bottom limit of its travel, make a special tool to the dimensions shown.



Use an awl to locate the holes in the back of the backrest. Push the special tool through the cover and into the holes and apply pressure to the guide sleeve crosspiece as you pull up the guide sleeve.

If the sleeve guides bind, insert a screwdriver, bend back the guides and withdraw the sleeve.

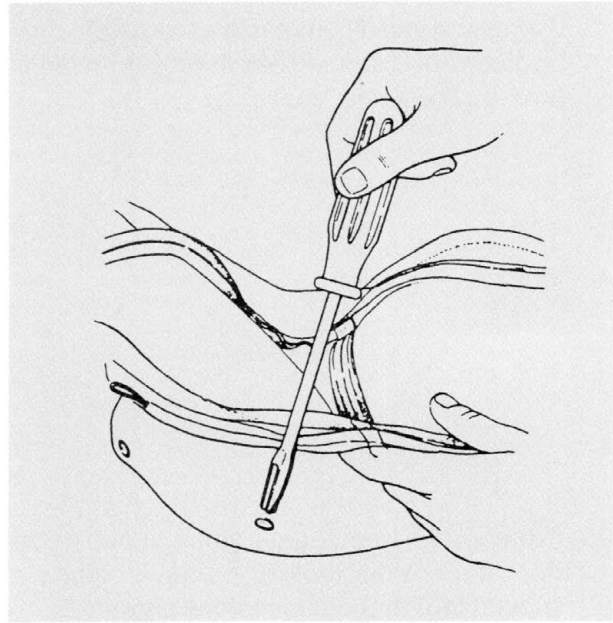
## 852-20 Seats, seat cushions and carpeting

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6 Free the cover from the backrest panel and snip off the staples securing the cover

7 Unhook the drawstrings using special tool 84 71 096 and release the wire clips.

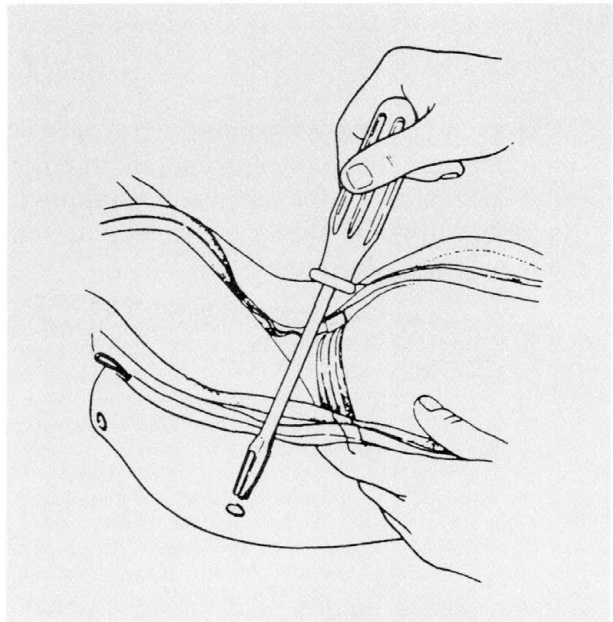
8 Lift off the cover.



### To refit

1 Slide on the new cover, adjusting the fit.

2 Fit the drawstrings by inserting them through the cushion and hooking them onto the clip in the frame.  
Use special tool 84 71 096.



3 Fit the wire clips.

4 Stretch the cover over the frame.

5 Fit the wire clips under the metal clips.

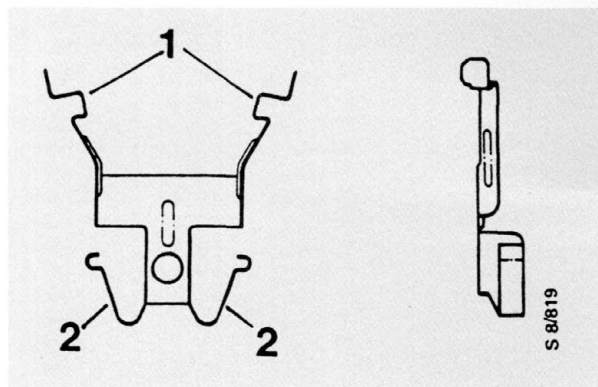
6 Poke out the elastic webbing in the bottom corner.

7 Fit the staples using the pliers included in fitting kit 84 71 062.

8 Invert the cushion and compress it.  
Fit the rib on the edge of the cover into the groove.

9 Fit the backrest catch mechanism and armrest.

- 10 Check the condition of the spring for the head restraint and, if distorted, fit a new one (steps 11 - 13).

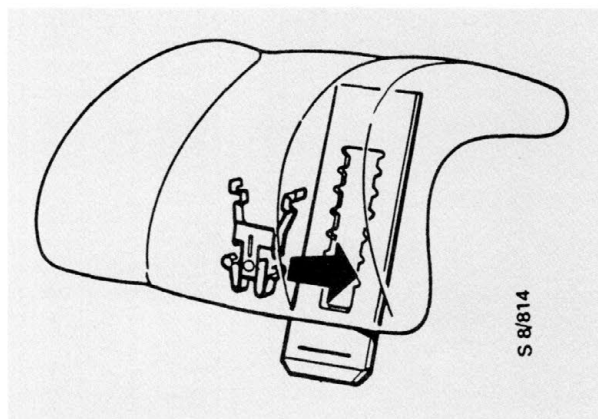


- 1 Retaining spring for head-restraint guide sleeve
- 2 Spring for height adjustment

Steps 11 - 13: carry out only when fitting a new spring.

- 11 Apply petroleum jelly to the sliding surfaces of the head-restraint bar in contact with the guide sleeve and spring.

- 12 From the front, fit the spring at the bottom of the head-restraint bar.



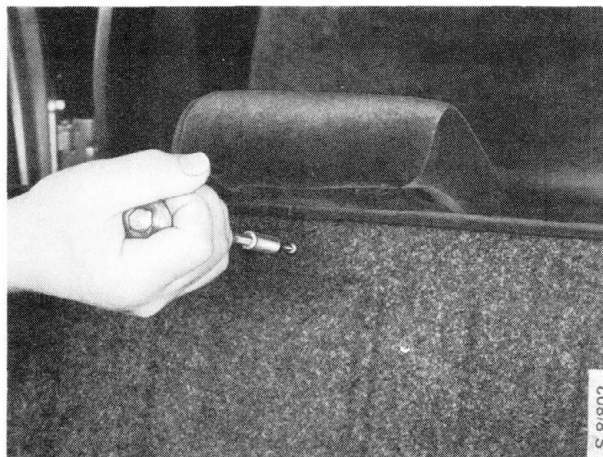
- 13 Insert the bar into the guide sleeve and slide the sleeve up and down to check that the spring has engaged the sleeve and is running freely on the bar.

- 14 Fit the head restraint complete with guide sleeve to the seat.

## 852-22 Seats, seat cushions and carpeting

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- 15 Lock the head restraint by tightening the setscrew.



- 16 Check the functioning of the head restraint adjustment.

- 17 Hook the head-restraint cover fasteners onto the guide sleeve.

# Interior equipment

Facia . . . . .	853-1	Seat belts . . . . .	853-13
Centre console . . . . .	853-9		

## Facia

### To remove

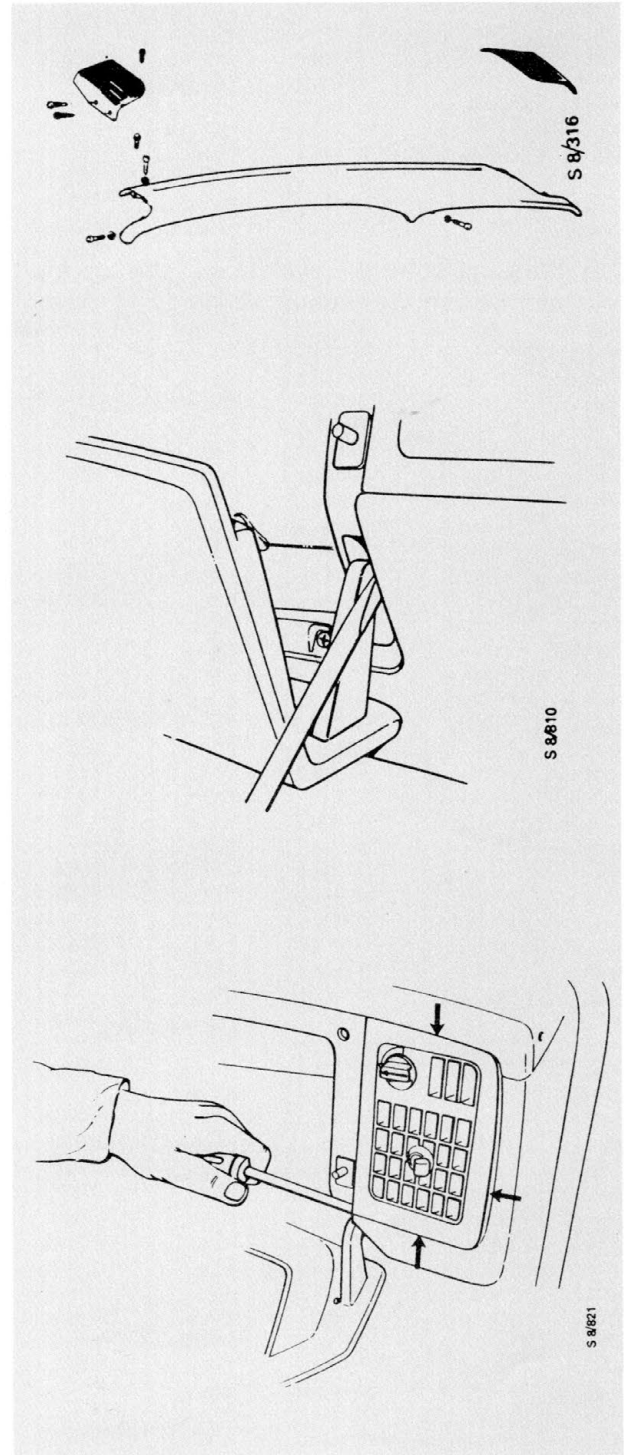
Disconnect the negative (-) battery lead and cover the terminal pole on the battery.

- 1 Remove the speaker grilles and the top of the facia.

- 2 Drop the glove-compartment flap as far as it will go, bending out the flap restraints to clear the stops. Pull the glove-compartment light into the compartment.

- 3 Undo the six screws and then remove the compartment using a small screwdriver to apply careful leverage to release the fresh air vent clips as you withdraw the compartment. Note the position of the clips.

Disconnect the electrical leads from the light fitting and switch.



## 853-2 Interior equipment

4 Undo the power distribution panel and drop it forward.

5 Remove the ashtray.



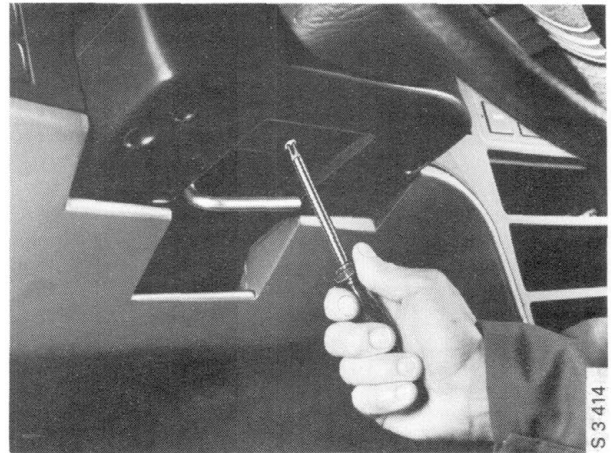
6 Pressing down the two clips at the top, pull out the ashtray housing.



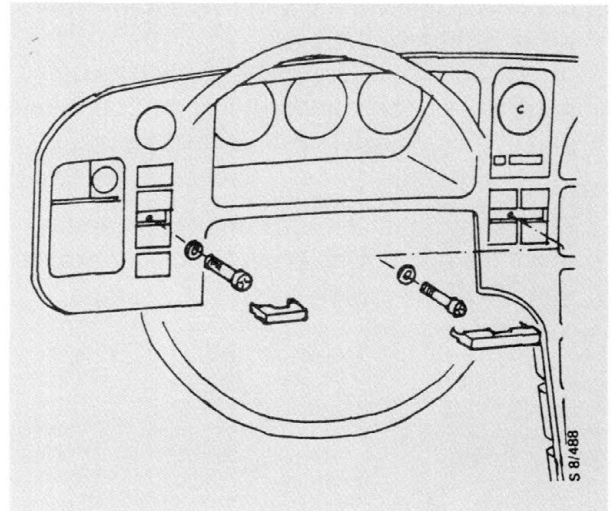


7 Fully extend the steering wheel.

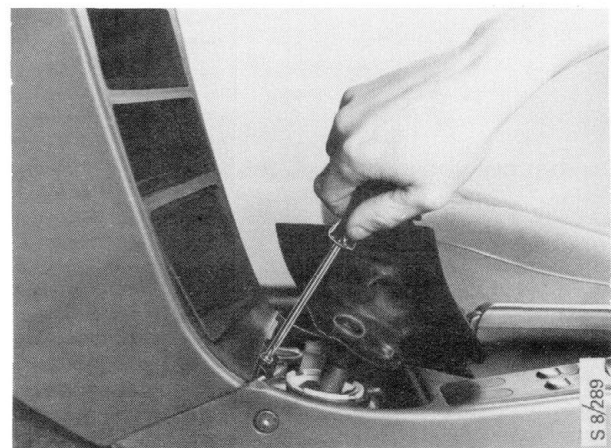
8 Remove the steering-column covers (four screws).



9 Remove the blanks and the screws in the switch panels.



10 Cars with manual gearbox:  
Lift the rubber gaiter on the gear lever and  
remove the screw underneath.



## 853-4 Interior equipment

Cars with automatic transmission:  
Remove the screw cap and the screw for the  
gear-selector cover.



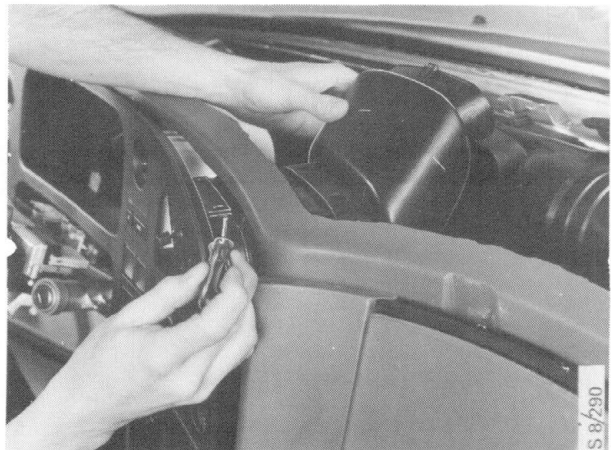
### 11 Remove the middle air vent in the fascia.

Standard systems and systems with AC:

Press in the four catches on the control panel and remove the panel by pulling it forward. Separate the ball joint in the link rod for the air distribution valve, detach the gear housing for the temperature control valve and unplug all electrical connectors.

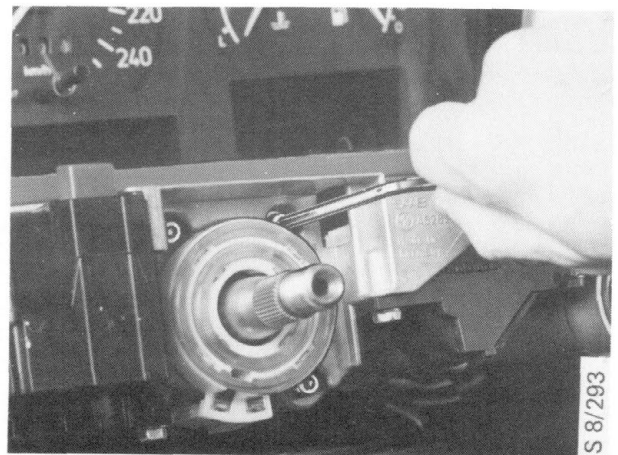
ACC:

Pull forward the climate control unit and remove the panel vent. Unplug the connectors and lift off the panel.

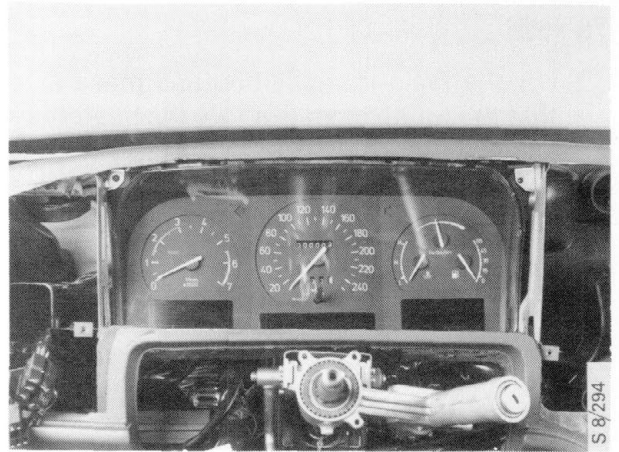


### 12 Remove the steering wheel (see section 641).

### 13 Remove the stalk switch unit, labelling the connectors to facilitate refitting.

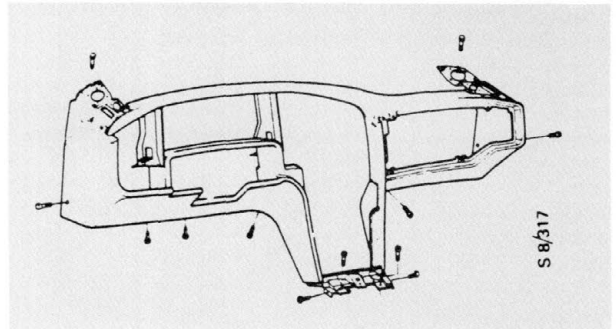


- 14 Remove the securing screws for the main instrument display panel.

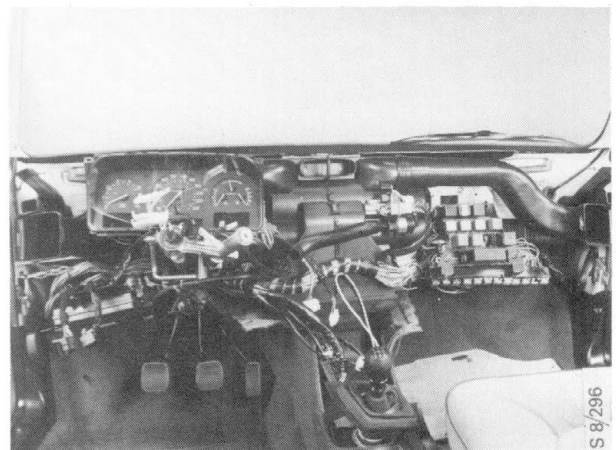


- 15 Fold back the carpeting from under the dash panel.

- 16 Remove the facia securing screws.



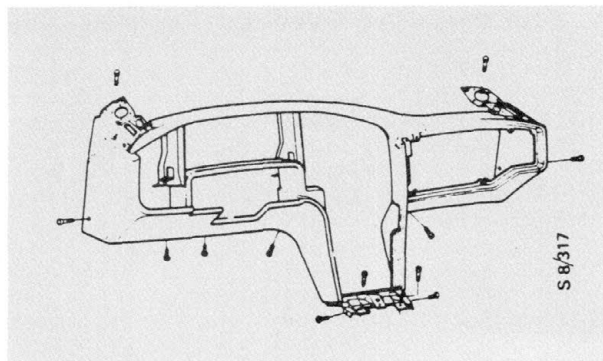
- 17 Lift off the facia.



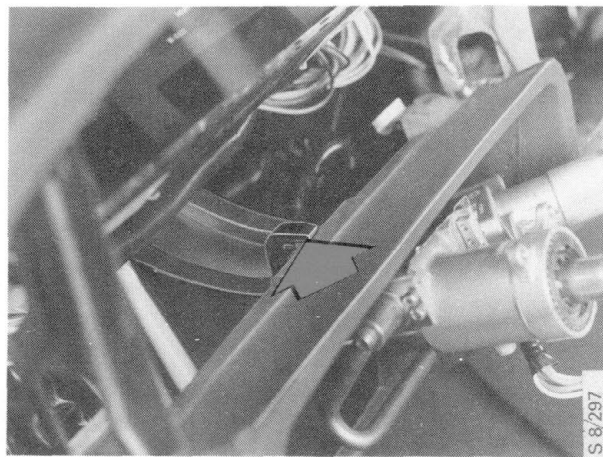
*Facia removed*

### To refit

- 1 Lift the facia into position and make sure that the wiring loom is above the heater box fixings.

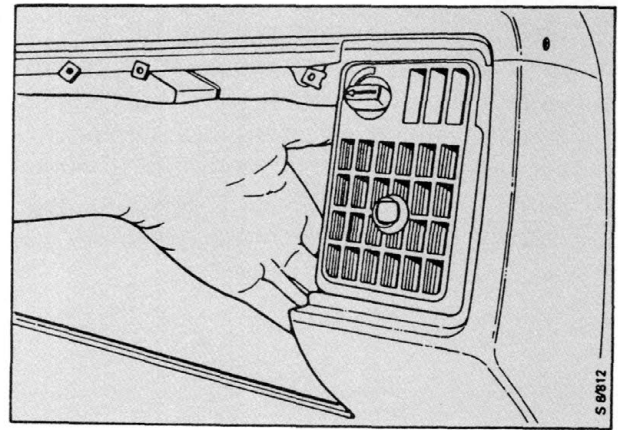


Make sure that the facia engages the slot in the guide and that the air ducts are properly seated. Fit the securing screws.

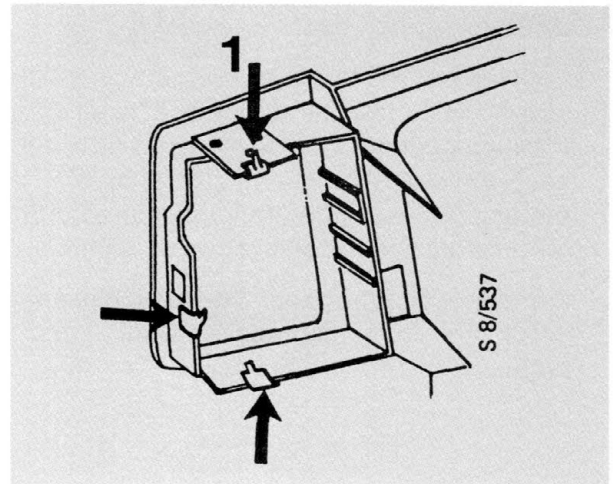


- 2 Refit the main instrument display panel and tighten the screws.
- 3 Plug together the connectors and fit the stalk switch unit.
- 4 Refit the steering wheel (see section 641).
- 5 Refit the carpeting on the LH side underneath the dash panel.
- 6 Lift back the power distribution panel.

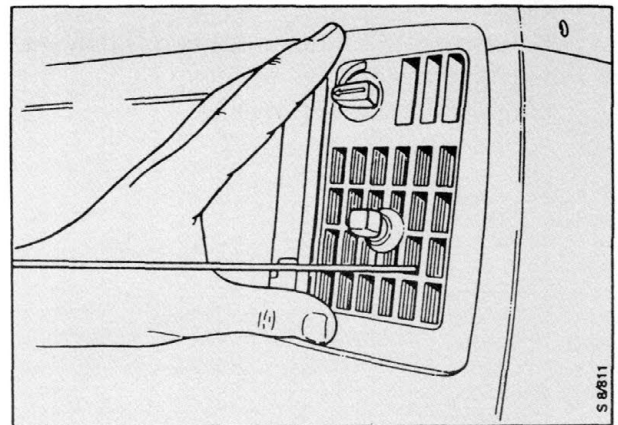
- 7 Before refitting the glove compartment, fit the fresh air vent to the duct.



- 8 Make sure that the clips have engaged properly, reconnect the electrical leads and fit the glove compartment. Pull the fresh air vent into position using a suitable length of hooked wire.

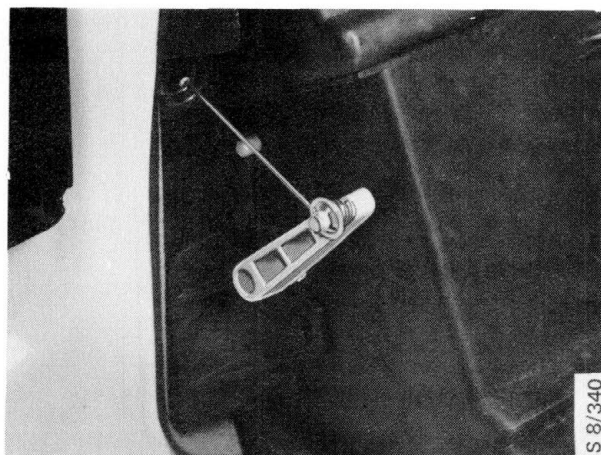


1 Early models only



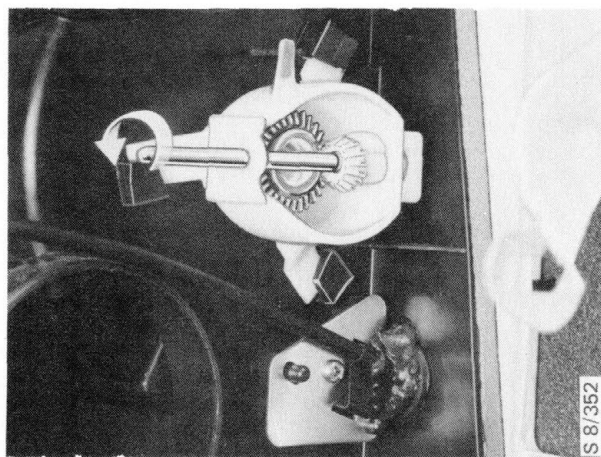
## 853-8 Interior equipment

- 9 Standard systems and systems with AC:  
Refit the gear for the temperature control valve. Make sure that the valve in the engine compartment is set in the COLD position - i.e. away from the bulkhead. Set the temperature control to COLD. Refit the gear housing to the heater control panel.



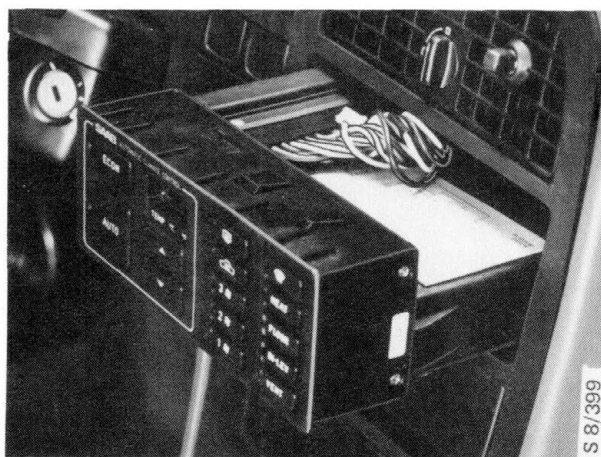
Refit the link rod for the air distribution valve as follows. Rotate the spindle for the air distribution gear anticlockwise, as far as it will go. Set the air distribution control to '0'. Fit the link rod, with the orange coloured part towards the spindle on the control panel.

Press the control panel into position and check that all the controls are working properly.



### ACC:

Lift the climate control unit into position and plug together the connectors. Tighten the screws and fit the screw caps.



- 10 Cars with manual gearbox:  
Refit the rubber gaiter for the gear lever.
- Cars with automatic transmission:  
Refit the gear-selector cover.
- 11 Refit the steering-column covers.
- 12 Refit the ashtray housing and ashtray.
- 13 Refit the facia top and the speaker grilles.
- Reconnect the battery.

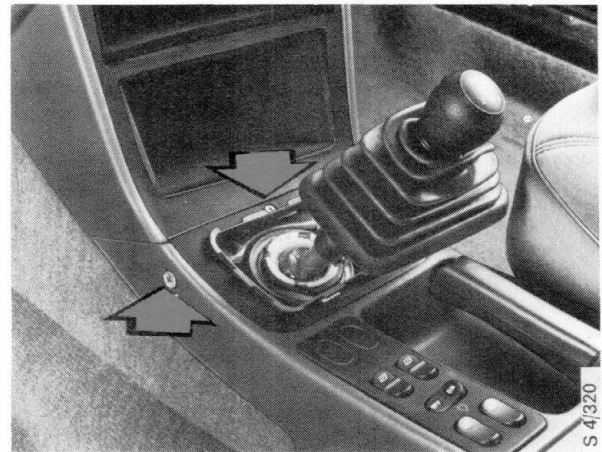
## Centre console

### Removal/refitting

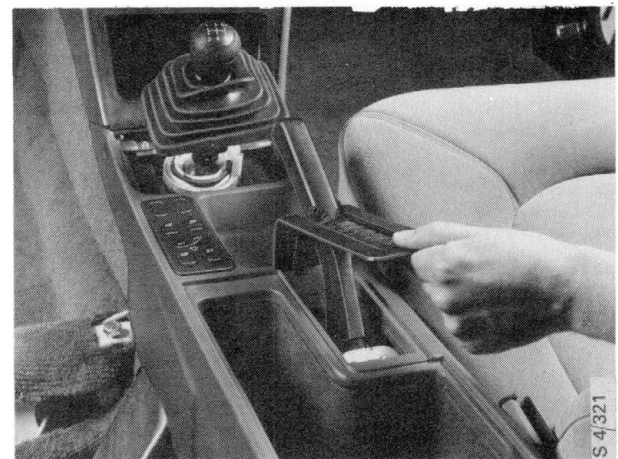
#### Cars with manual gearbox:

Disconnect the negative (-) battery lead and cover the terminal pole on the battery.

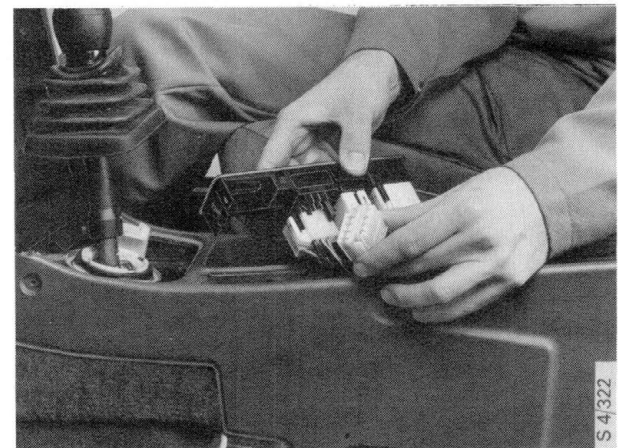
- 1 Lift the rubber gaiter and remove the bezel-securing screw. Undo the two securing screws at the front of the centre console.



- 2 Remove the brush-seal plate for the hand-brake lever.



- 3 Lift off the switch panel and unplug the connectors, labelling them to ensure that they are refitted correctly.



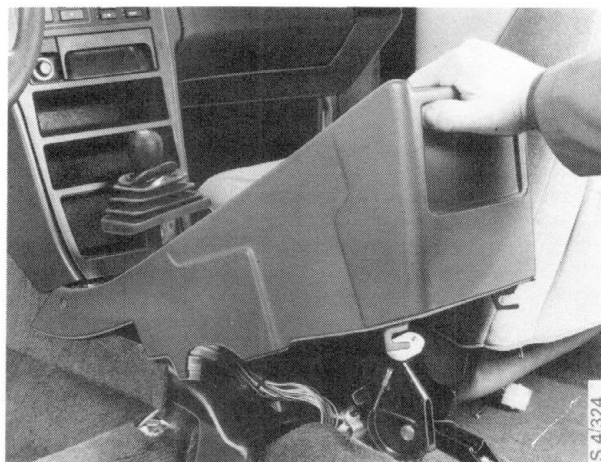
## 853-10 Interior equipment

---

- 4 Slide both front seats forward and undo the rear securing screws for the centre console.



- 5 Lift off the console.



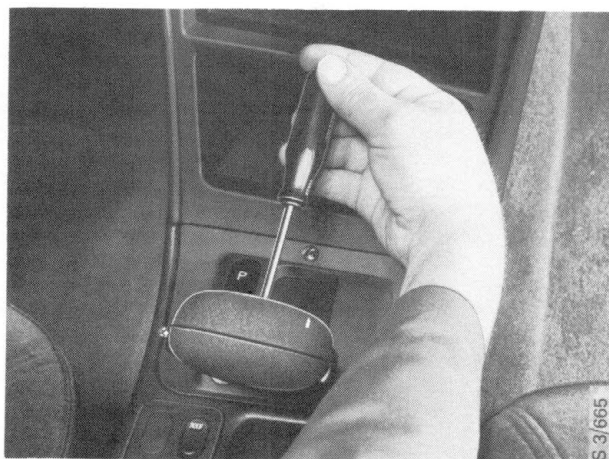
Refit in the reverse order.

Reconnect the battery.

### **Cars with automatic transmission:**

Disconnect the negative (-) battery lead and cover the terminal pole on the battery.

- 1 Remove the two screws from the selector lever.





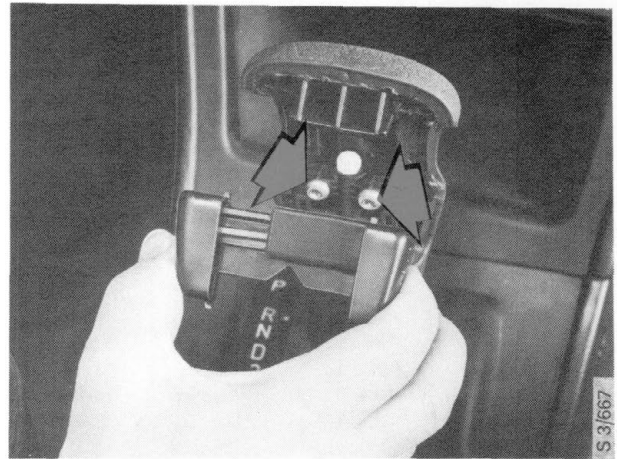
**Early variants only:**

Remove the back part of the grip, the detent mechanism and the two screws.

Slide off the rest of the grip.

**Later versions:**

Lift off the selector grip complete.



- 2 Remove the screw cap and undo the screw in the selector-lever panel. Remove the cover and withdraw the bulb.

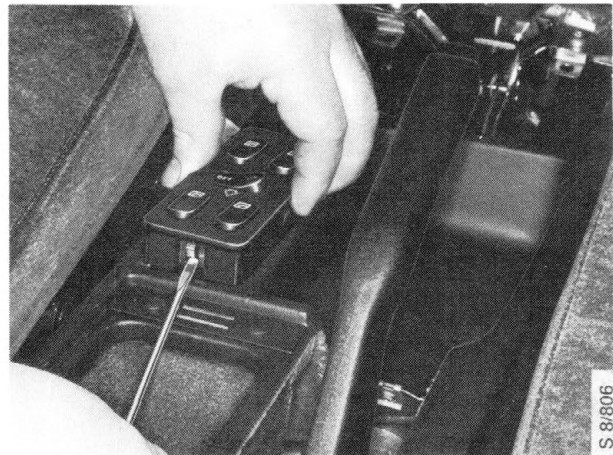


- 3 Undo the screws and remove the brush-seal plate for the handbrake lever.



## 853-12 Interior equipment

- 4 Lift off the switch panel and unplug the connectors, labelling them to ensure that they are refitted correctly.



- 5 Undo the two securing screws at the front of the centre console.

- 6 Slide both front seats forward and undo the rear securing screws for the centre console. Remove the console by lifting it towards the rear of the car.



Refit in the reverse order.

Reconnect the battery.

## Seat belts

The seat belts fitted to the car, both front and rear, are in accordance with the relevant market specification and have full type approval.

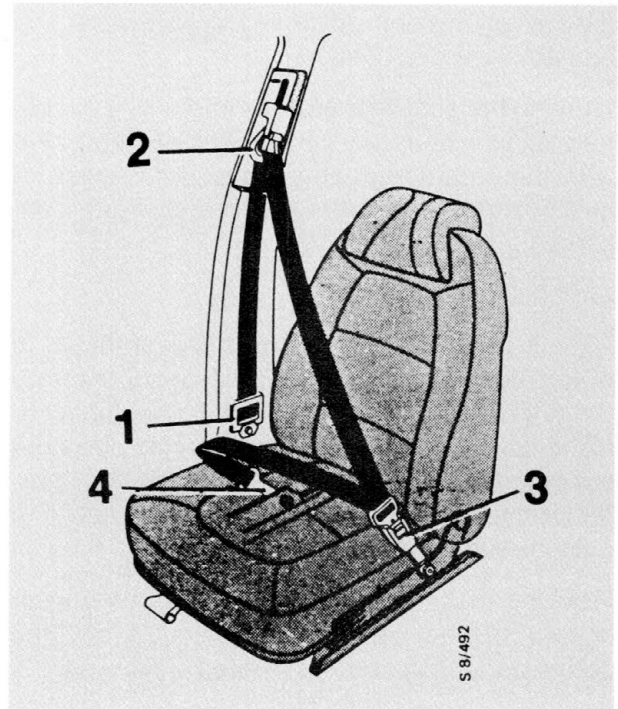
A label on the belt contains details of the make, manufacturer's serial number and year of manufacture, type-approval code and Saab part number.

---

### N.B.

The label must not be removed from the belt. No modifications or repairs may be made to seat belts and the anchorage points must not be altered. Make sure that the type of belt fitted and its positioning comply with the specification given in the spare parts literature. Belts in use when a car is involved in a collision (other than a minor one) must be removed and scrapped, to prevent their being reused.

---



- 1 Inertia reel
- 2 Belt guide(top anchorage point)
- 3 Buckle lock
- 4 Belt anchorage point

### **Seat-belt pretensioners**

Safety regulations governing repair work and procedure after a collision

Work on the seat-belt pretensioners may be carried out only by authorized personnel conversant with the safety regulations and other legal requirements obtaining in the country/state concerned.

After a collision

After a car has been involved in a collision in which the belt pretensioner has been detonated, the entire seat-belt assembly must be replaced. If the belt pretensioner has been damaged but not detonated (e.g. by a side-on collision), no attempt must be made to repair it and a new one must be fitted instead.

Provided that they are undamaged, the sensor and wiring loom need not be replaced even if the pretensioner has been detonated.

### **Body alignment and welding work**

Before any body alignment or welding work is started, always disconnect the negative (-) battery lead and cover the negative pole of the battery.

### **Respraying etc.**

No special precautions are required and the seat-belt pretensioner will not be adversely affected by stove drying (up to a maximum temperature of 80 °C/176 °F).

### **Repair work Removal/refitting**

Before starting any repair work, always disconnect the negative (-) battery lead and cover the negative pole of the battery. After a seat-belt pretensioner has been collected from the stores, it must be fitted without delay - if the work is interrupted for any reason, the seat-belt pretensioner must immediately be locked away in the stores until work can be restarted. Under no circumstances must the belt pretensioner be left out unattended.

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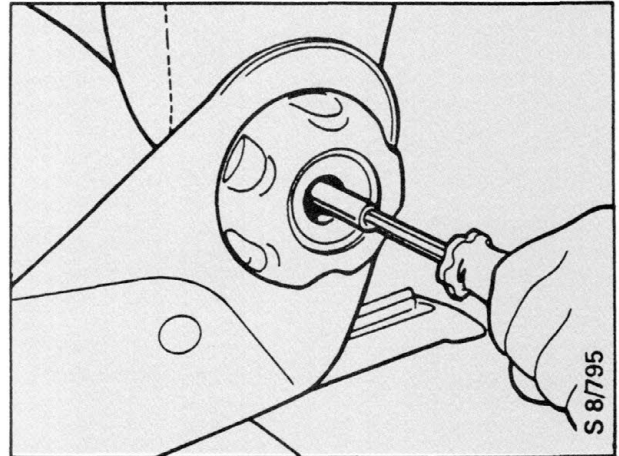
#### **N.B.**

- Belt pretensioners must not be treated with, or allowed to come into contact with, grease, cleaning solvents, etc.
  - Belt pretensioners must never be exposed to temperatures exceeding 100 °C (212 °F).
  - Belt pretensioners dropped on a hard floor from a height of 0.5 m (20 in) or more must not be used
-

## Seat belts

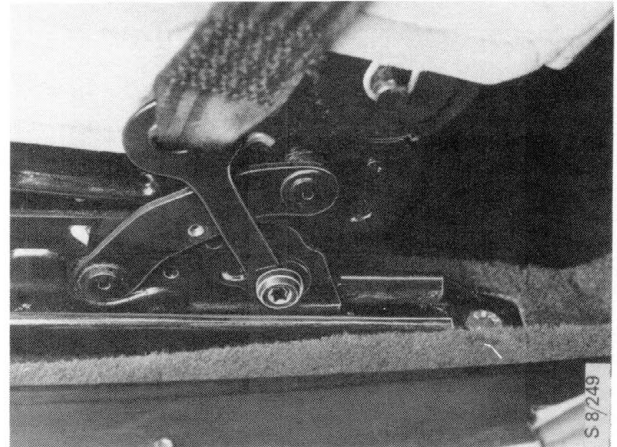
### To change a front seat belt

- 1 Remove the screw cap, screw and backrest-adjustment wheel.



- 2 Remove the two screw caps (one located behind the height-adjustment lever) and unscrew the seat side panel.

- 3 Undo the seat-belt anchorage.



- 4 Remove the front and rear scuff plates.

- 5 Remove the cover and the securing screw for the belt guide on the B pillar.



## 853-16 Interior equipment

- 6 Remove the B pillar trim.
- 7 Undo the screw and remove the inertia reel.



- 8 Pass the belt guide, buckle tongue and anchor plate through the aperture in the pillar trim.

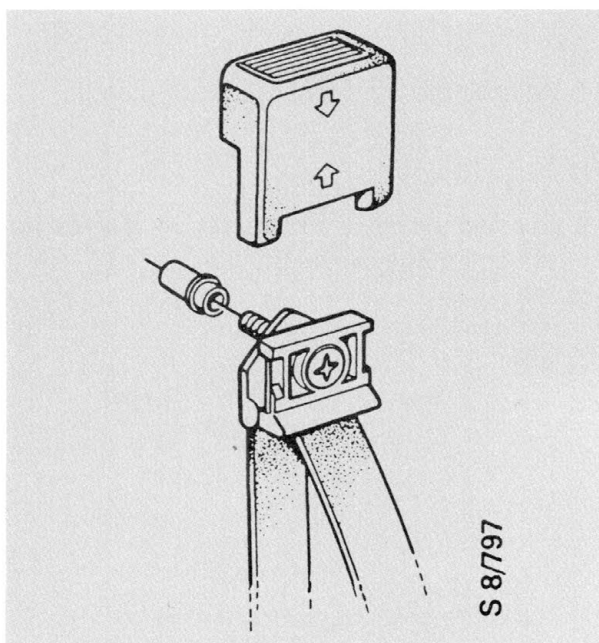
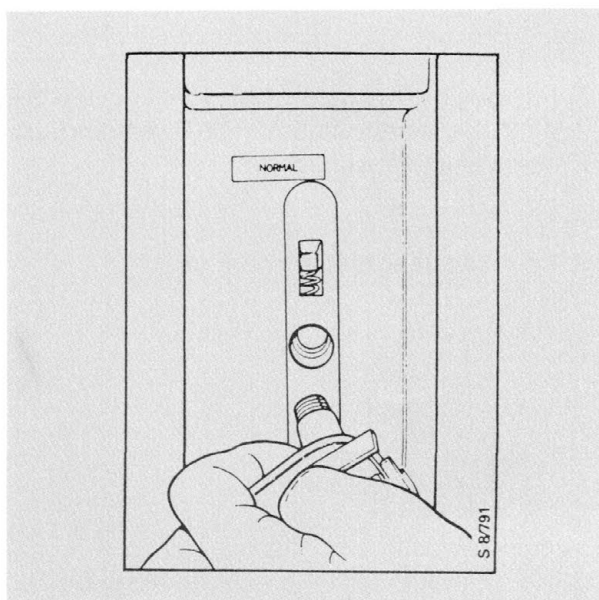
Refit in the reverse order.

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### **N.B.**

There are two holes in the cover on the seat-belt height-adjusting mechanism. Fit the screw for the belt guide through the round hole.

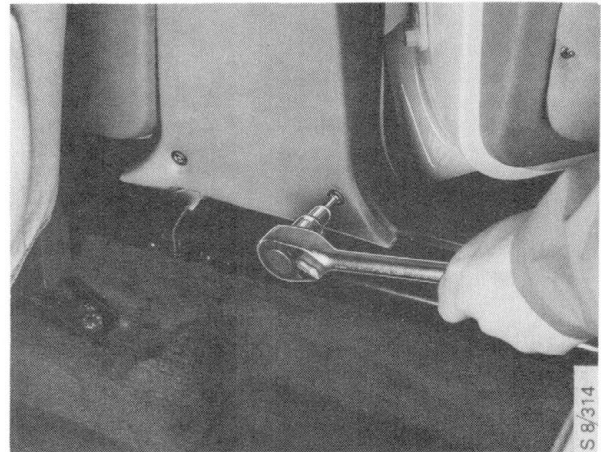
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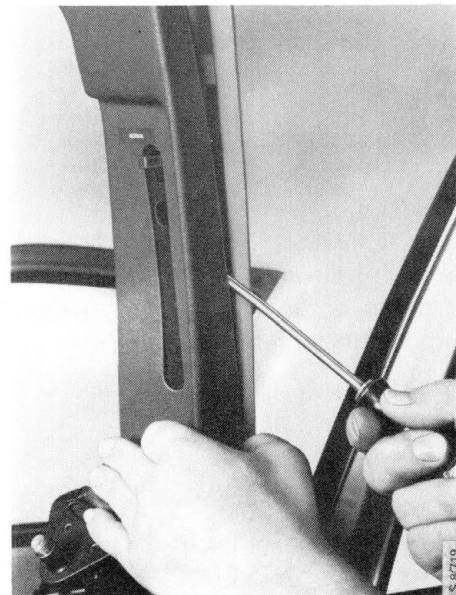
*Belt-guide screw and spacer*

**To change the inertia reel and belt pretensioner assembly  
(cars with detonated pretensioner)**

- 1 Disconnect the negative (-) battery lead and cover the negative pole of the battery.
- 2 Slide the seat forward and drop the backrest forward.
- 3 Remove the cappings from the front and rear scuff plates.
- 4 Unscrew and remove the scuff plates.
- 5 Remove the securing screws for the B pillar trim.



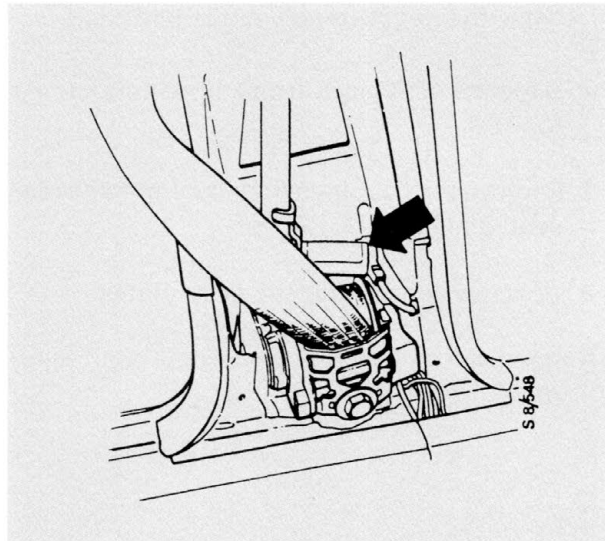
- 6 Remove the cover and belt guide from the B pillar.
- 7 Remove the B pillar trim.



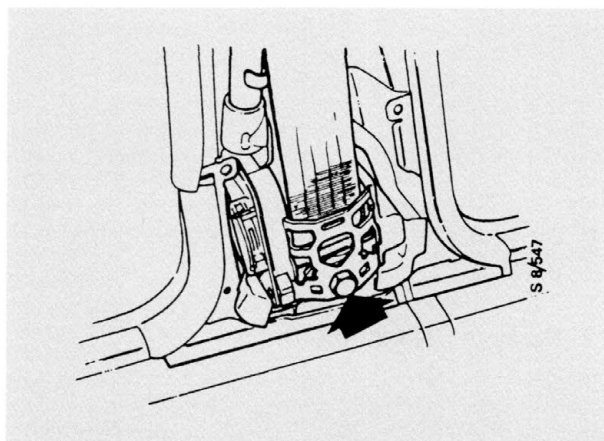
## 853-18 Interior equipment

8 Remove the plastic cover from the belt pretensioner.

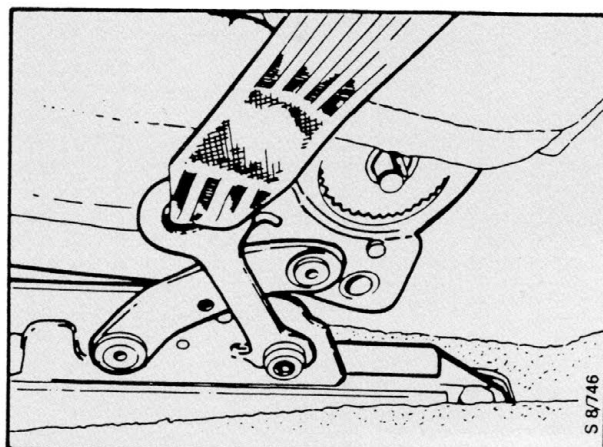
9 Unplug the wiring loom from the belt pretensioner.



10 Remove the securing screw for the inertia reel and belt pretensioner assembly.



11 Undo the seat-belt anchorage on the seat, pull the seat cover forward and pass the belt guide and buckle tongue through the opening in the cover.





Fit a new inertia reel and belt pretensioner assembly.

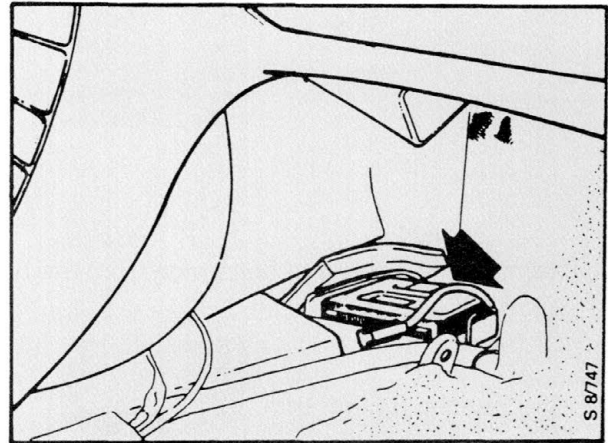
Refit the parts removed in the reverse order.

Reconnect the battery.

### **Belt-pretensioner sensor**

The sensor for the belt pretensioner is located behind the carpeting on the passenger side underneath the dash panel.

The sensor must be fitted with the arrow on the casing pointing towards the front of the car.



### **Mandatory procedure for making safe a non-detonated belt pretensioner prior to removal from car**

Before a front seat belt can be removed from a car that has not been involved in a collision (i.e. the belt pretensioner has not been detonated), the pretensioner must first be detonated manually, to make safe the explosive charge in the belt-pretensioner system prior to scrapping.

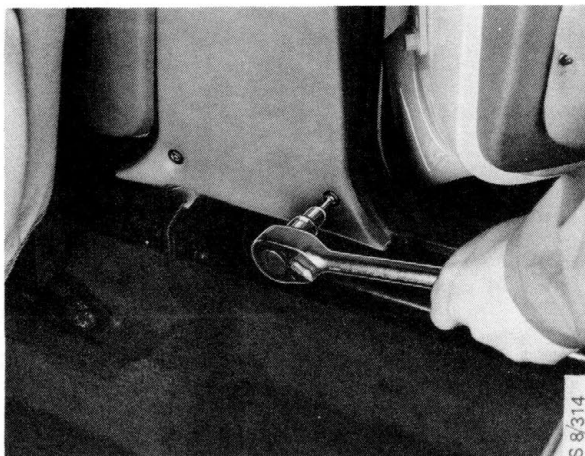
### **Scrapping the belt pretensioner**

- 1 Disconnect the negative (-) battery lead and cover the negative pole of the battery.
- 2 Slide the seat forward and drop the backrest forward.
- 3 Remove the cappings from the front and rear scuff plates.
- 4 Unscrew and remove the scuff plates.

## 853-20 Interior equipment

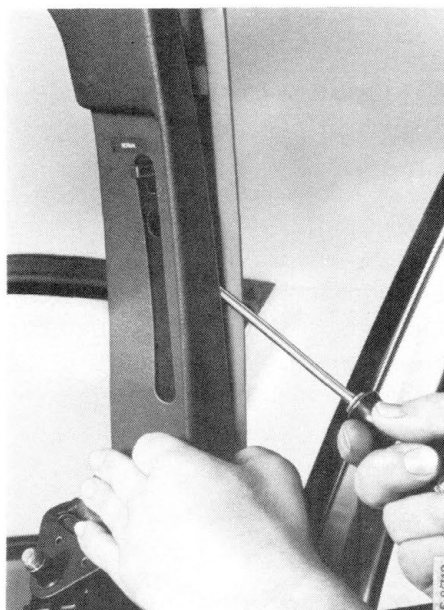
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- 5 Remove the securing screws for the B pillar trim.



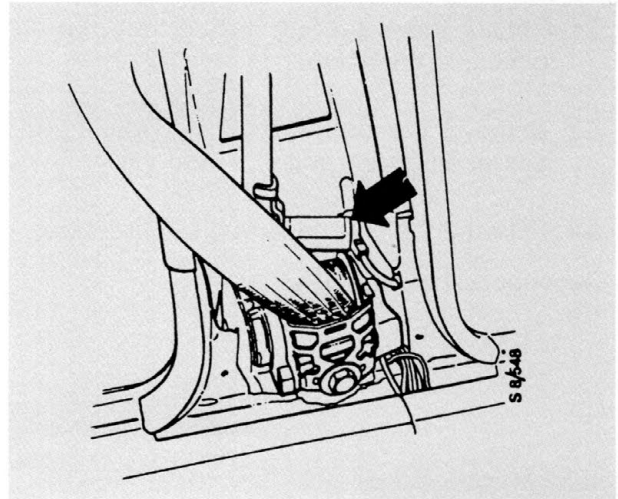
- 6 Remove the cover and belt guide from the B pillar.

- 7 Remove the B pillar trim.

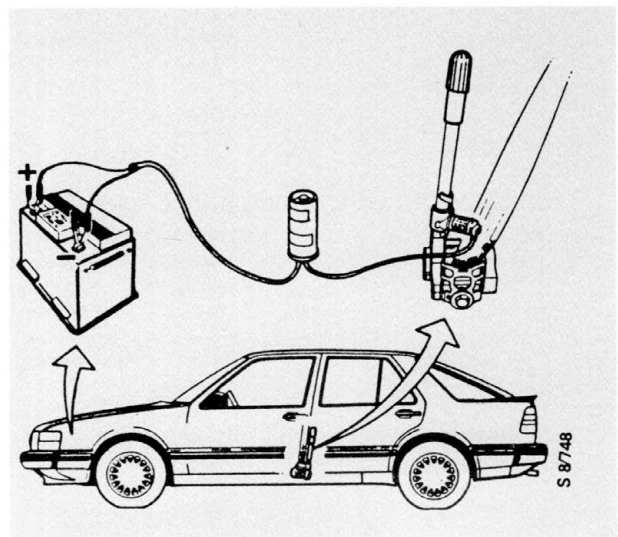


- 8 Remove the plastic cover from the belt pretensioner.

- 9 Unplug the wiring loom from the belt pretensioner.



- 10 Plug the connector on the manual triggering device (part no. 85 80 052) into the connector on the pretensioner.
- 11 Refit the belt guide to the B pillar (to prevent the pillar trim from being damaged when the pretensioner is detonated).
- 12 Check that the strap is not caught anywhere and that it can safely be retracted about 180 mm (7 in).
- 13 Run the manual triggering device through to the engine compartment. Make sure all windows are closed and close all the doors.
- 14 Connect the leads from the manual triggering device to the battery poles.



- 15 Stand at the front of the car and press the firing button.

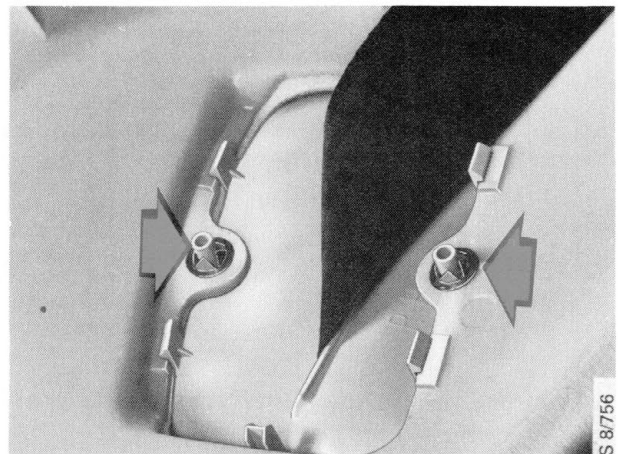
## 853-22 Interior equipment

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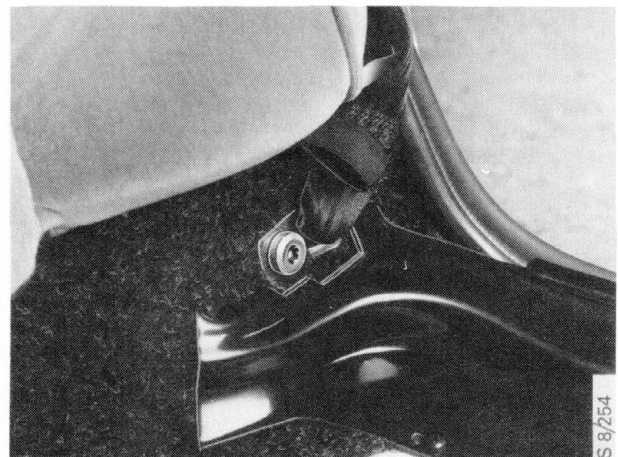
- 16 Unplug the triggering device from the pretensioner connector.
- 17 Remove the entire seat belt and pretensioner assembly and fit a new one.
- 18 Refit the B pillar trim and the scuff plates.  
Reconnect the battery.

### To change the rear seat belts

- 1 Remove the trim from the C pillar (see page 851-12).
- 2 Release the clips and remove the seat belt cover from the trim panel.

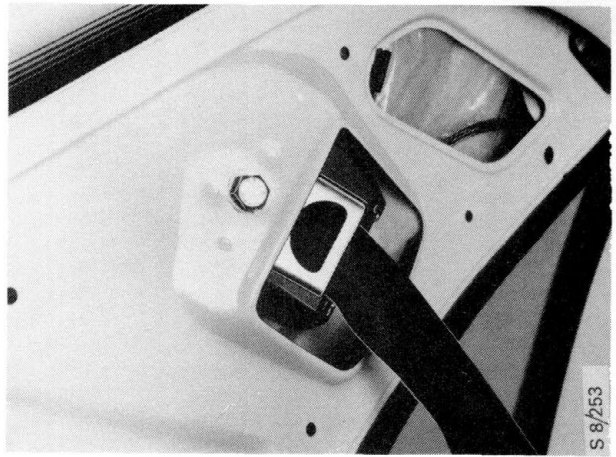


- 3 Unscrew the bottom belt anchorage and remove the trim.



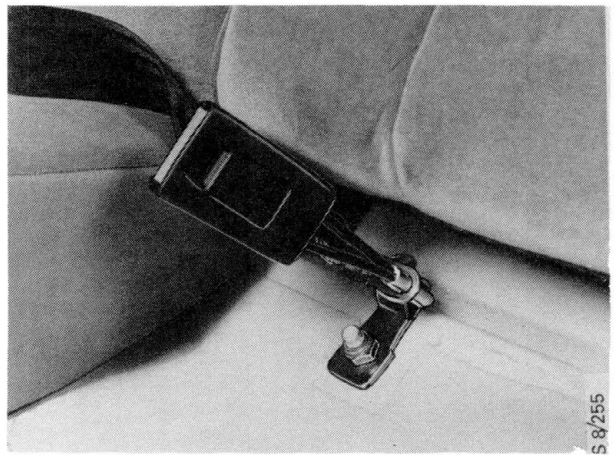
*Bottom anchorage point for rear seat belt*

4 Undo the top belt anchorage.

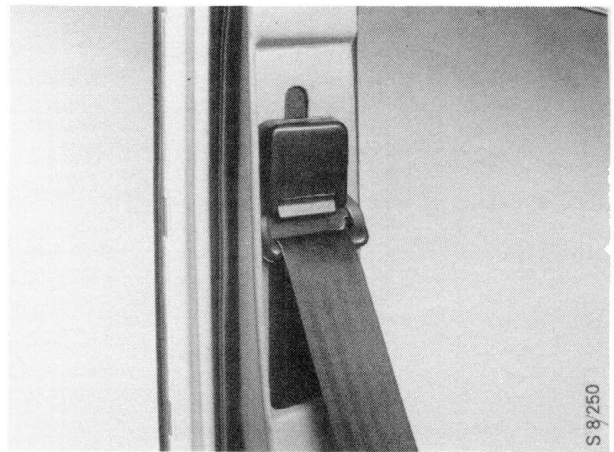


*Location of rear-seat inertia reel*

Refit in the reverse order.



*Anchorage for lap belt*



*Top seat-belt anchorage - adjustable for height*

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