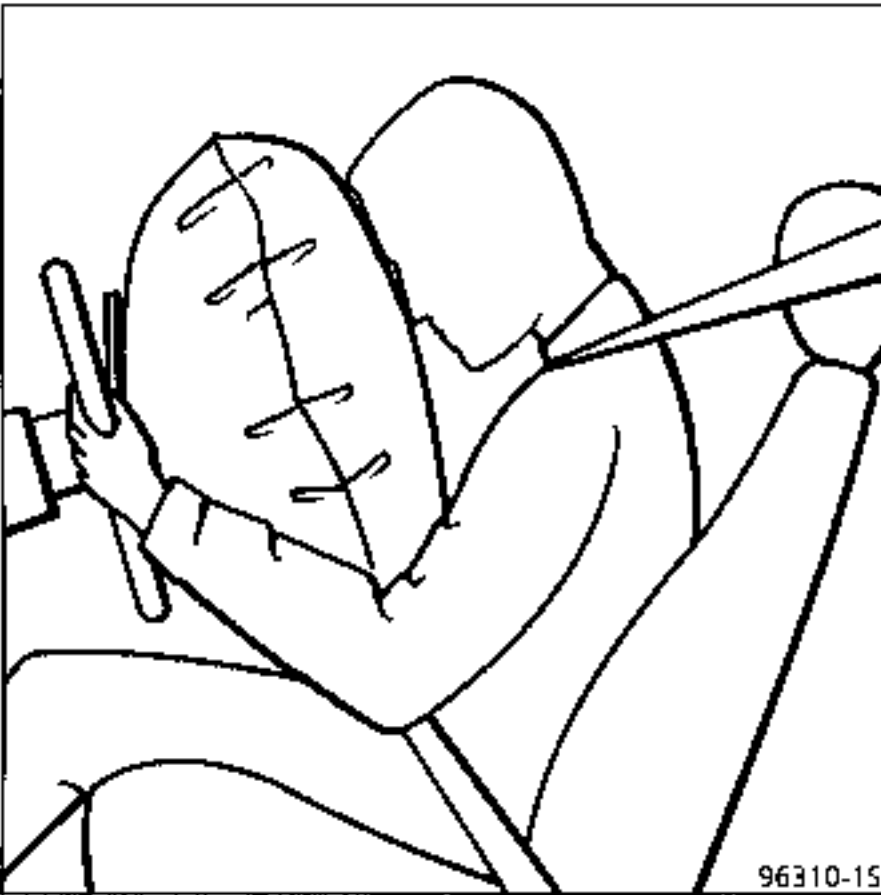


AIRBAG AND PRETENSIONERS

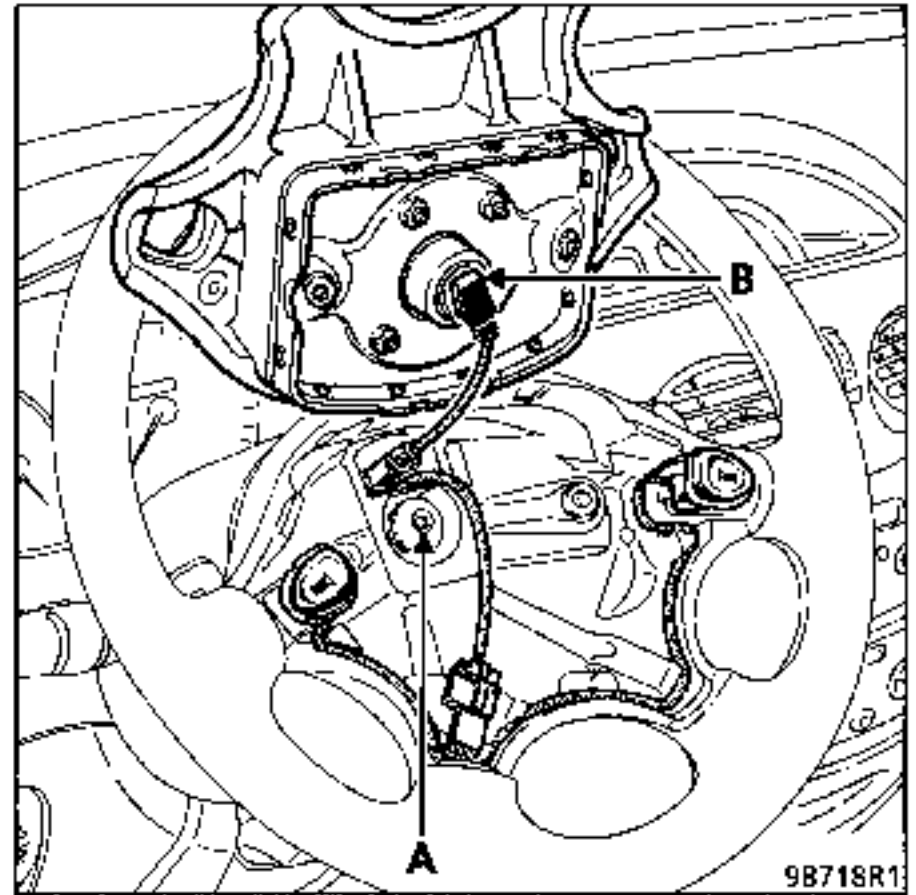


96310-15

IMPORTANT : All operations on the airbag and pretensioner systems must be carried out by qualified personnel who have been appropriately trained.

The AIRBAG Workshop Repair Manual, chapter 88 **MUST** be consulted.

IMPORTANT: when working under the vehicle do not allow impacts on the bottom of the floor without removing the pretensioner fuse and waiting 5 minutes for the reserve capacity to discharge. Refer to section 88 "Fuse allocation".



98718R1

Each time the steering wheel is removed, the steering wheel bolt **MUST** be renewed (A). Refer to sections 88 and 57A.

IMPORTANT : whenever the steering wheel is removed, the AIRBAG connector (B) **MUST** be disconnected.

The airbag has a connector which short circuits when it is disconnected to prevent incorrect triggering.

HEAT SHIELDS

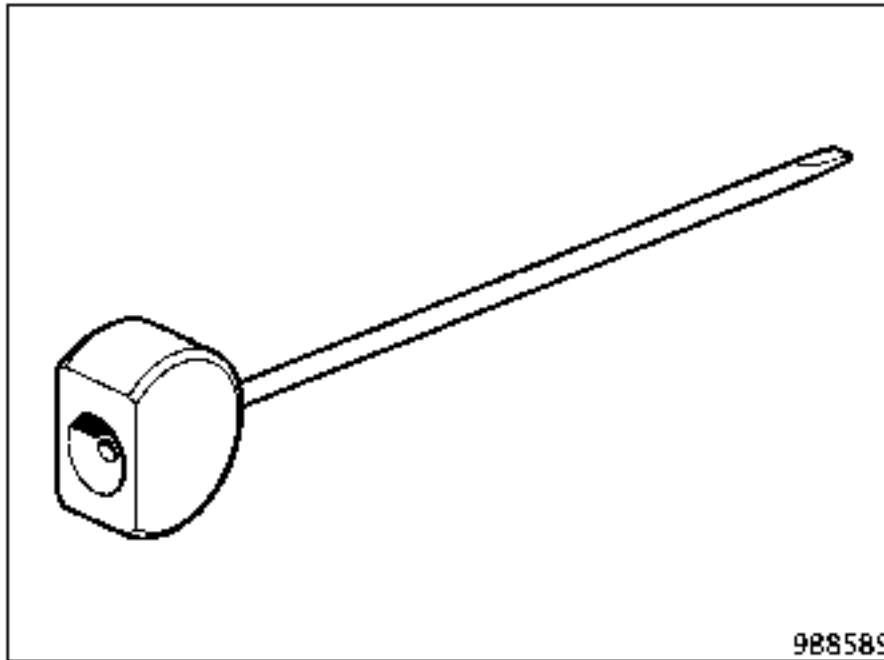
Heat shields must be refitted, whether they are for bodywork or mechanical components.

TIGHTENING TORQUES

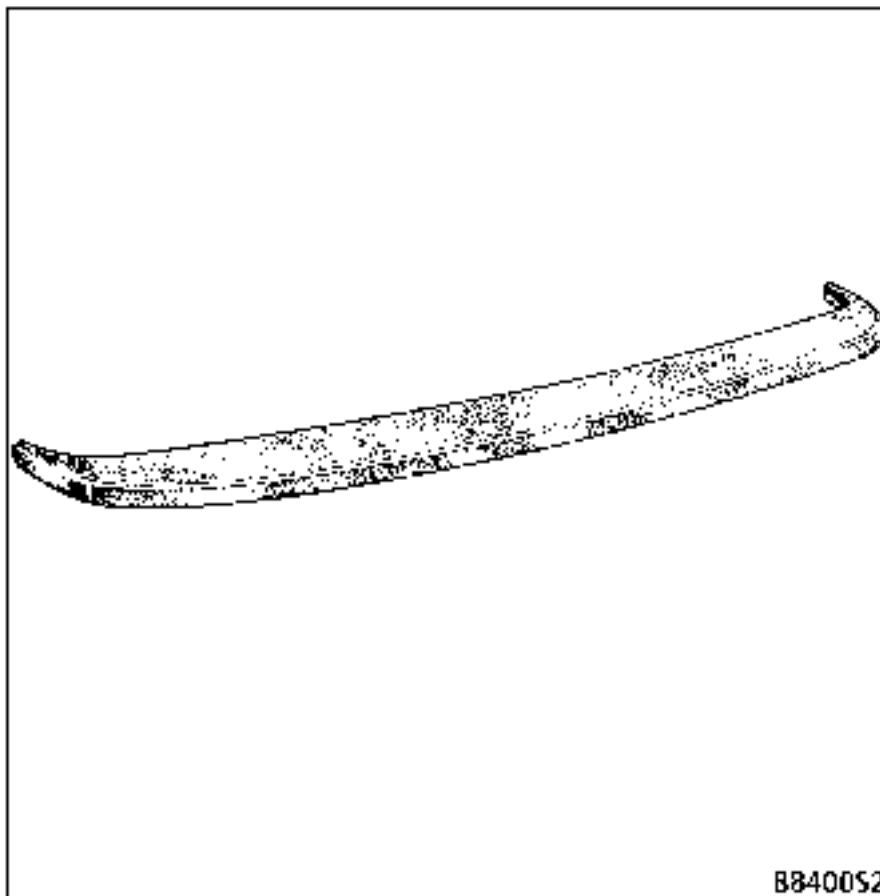
The recommended tightening torques **MUST** be observed.

PRODUCTS

Read the precautions for use with care and observe the safety instructions by using the appropriate protection (gloves, mask etc...).

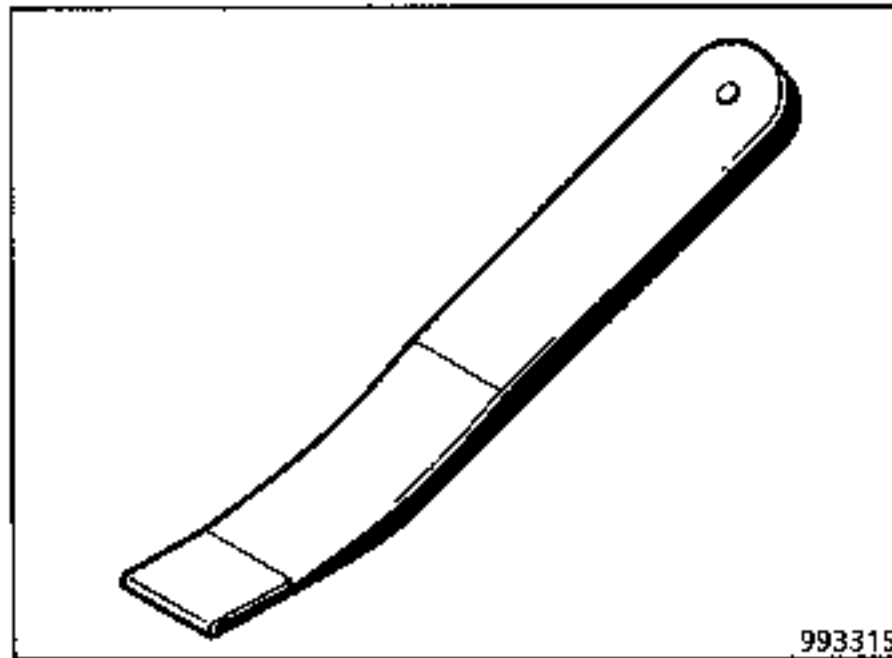


Hollow wire threading tool.



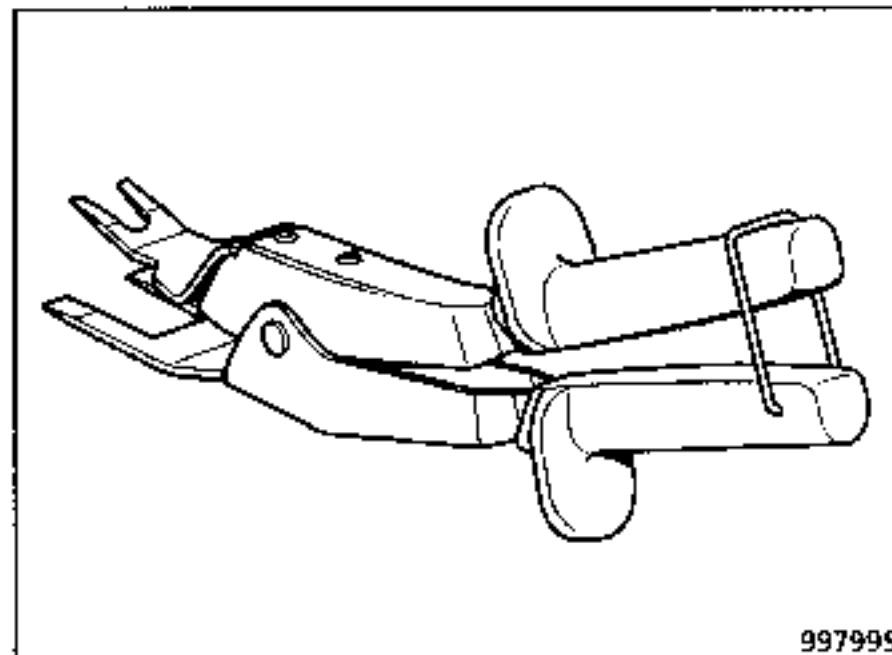
Dashboard protector Car. 1361 Part Number: 00
00 136 100

The tooling recommended for the replacement of the windscreen is specified in the Technical Note dealing with bonding windows.



Tool for removing the external rear view mirror glass Car. 1363 Part Number : 00 00 136 300.

This tool may also be used for removing roof trim and exterior door weatherstrips.

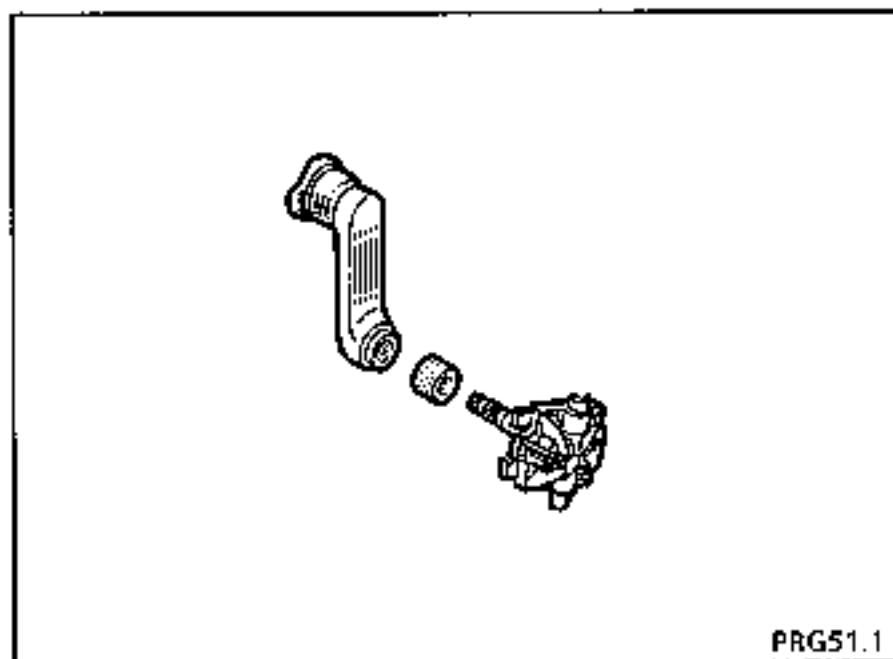


SODICAM clip removal pliers.

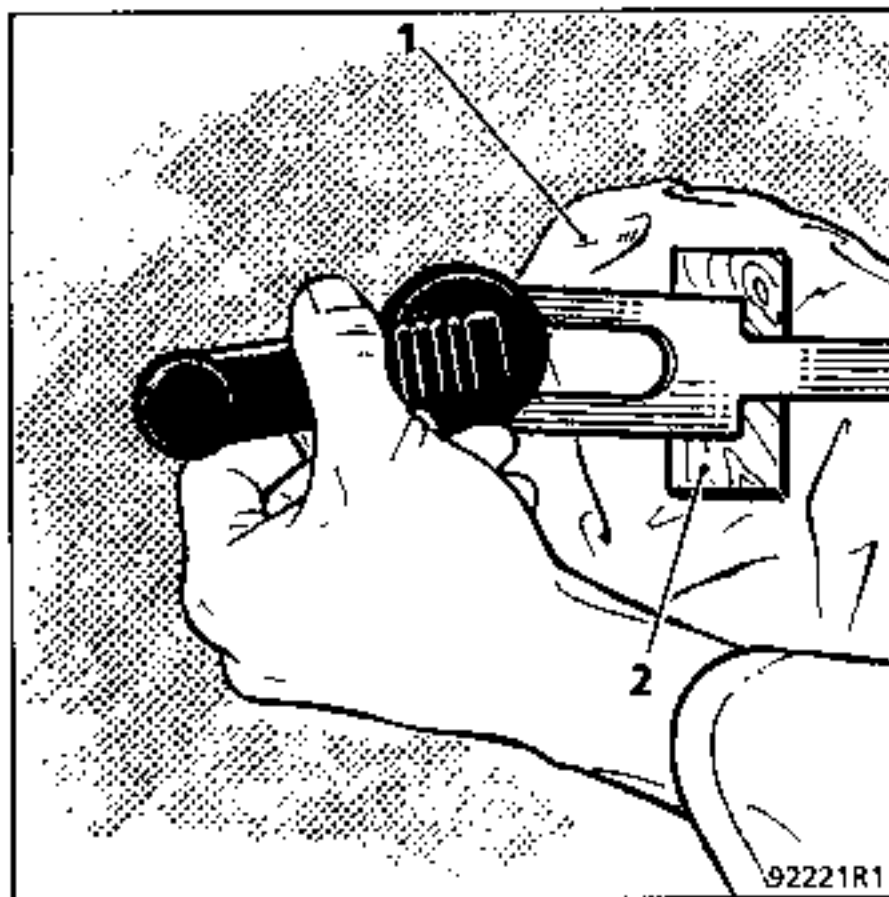
Using these pliers it is easy to remove "fir-tree" clips and interior trim clips such as on door panels, carpet, soundproofing and mudguard mountings.

Door window winder handles may also be removed (first apply a small piece of masking tape to the door panel to avoid damaging it during removal).

The pliers have one flat and one bent nose, giving easy access to remove clips without damaging them. The heads of the clips are not deformed, enabling them to be re-used when refitting.

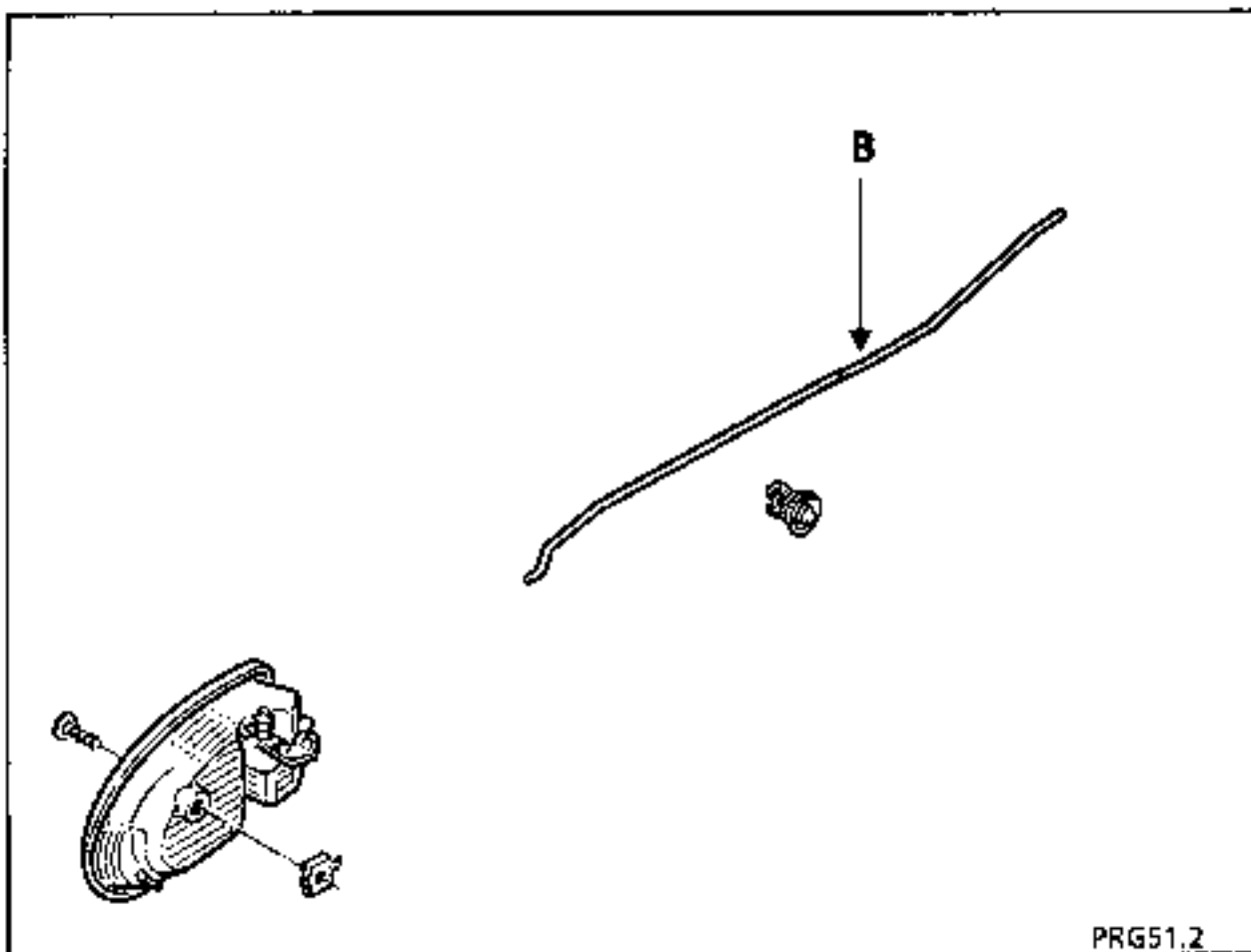


REMOVAL

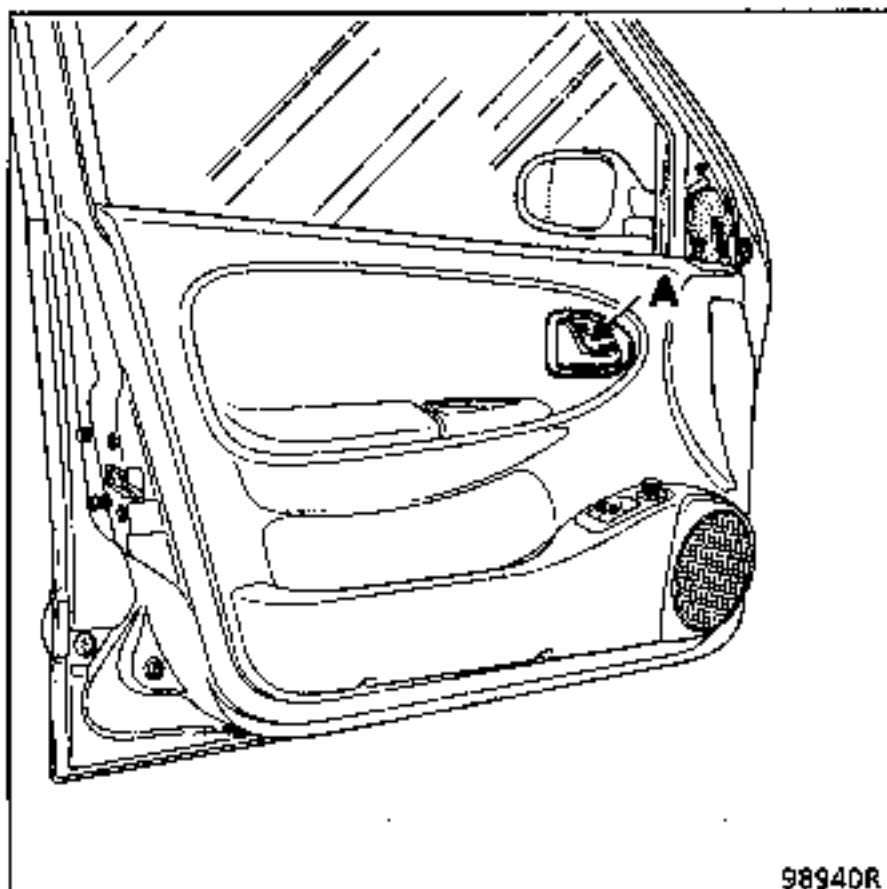


With a locally made fork or tool **FACOM D115**, use as a lever to remove the window winder handle, having protected the trim by inserting a cloth (1). If the tool requires support, fit a block (2) between the tool and the cloth.

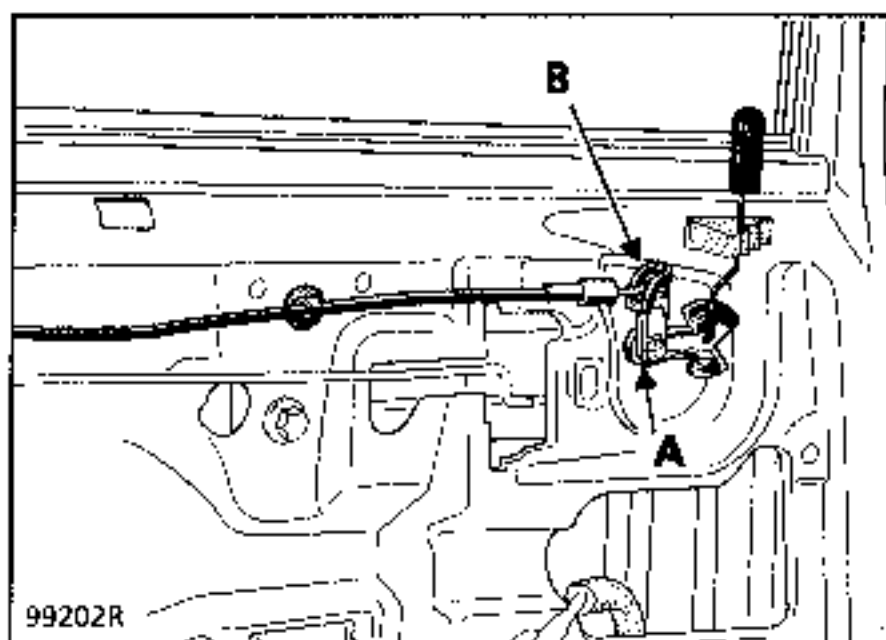
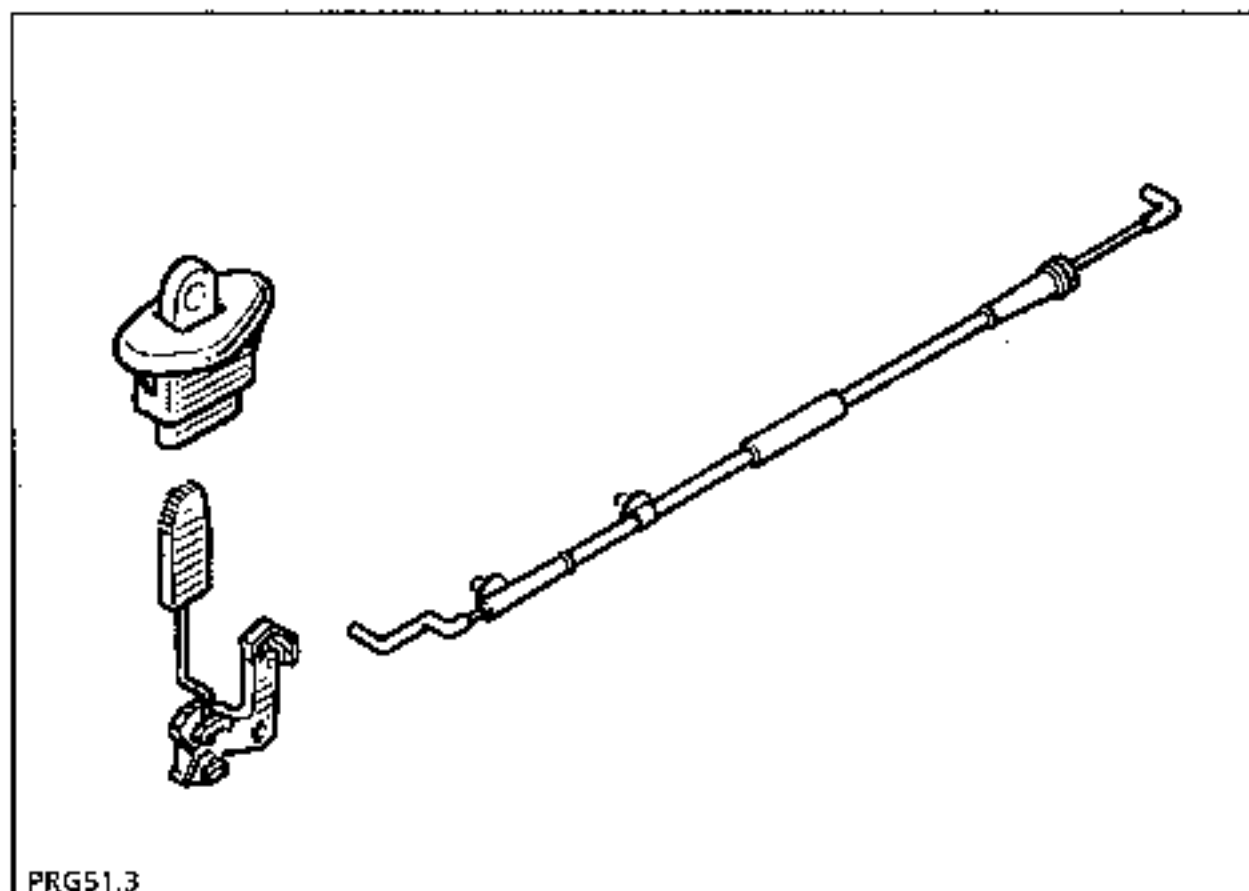
NOTE : the unpicking tool may be used for this operation (see 50 B).



REMOVAL

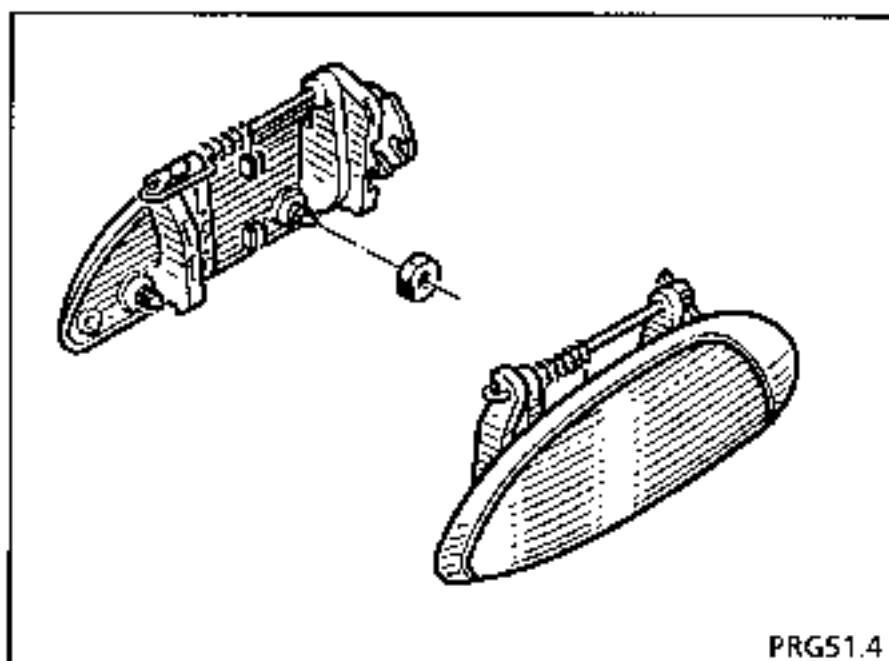


Remove the mounting bolt (A) (Star 30).
Release the interior opening control linkage (B)
from the handle and remove the handle.



Unclip the mounting clip for the control return bracket (A).

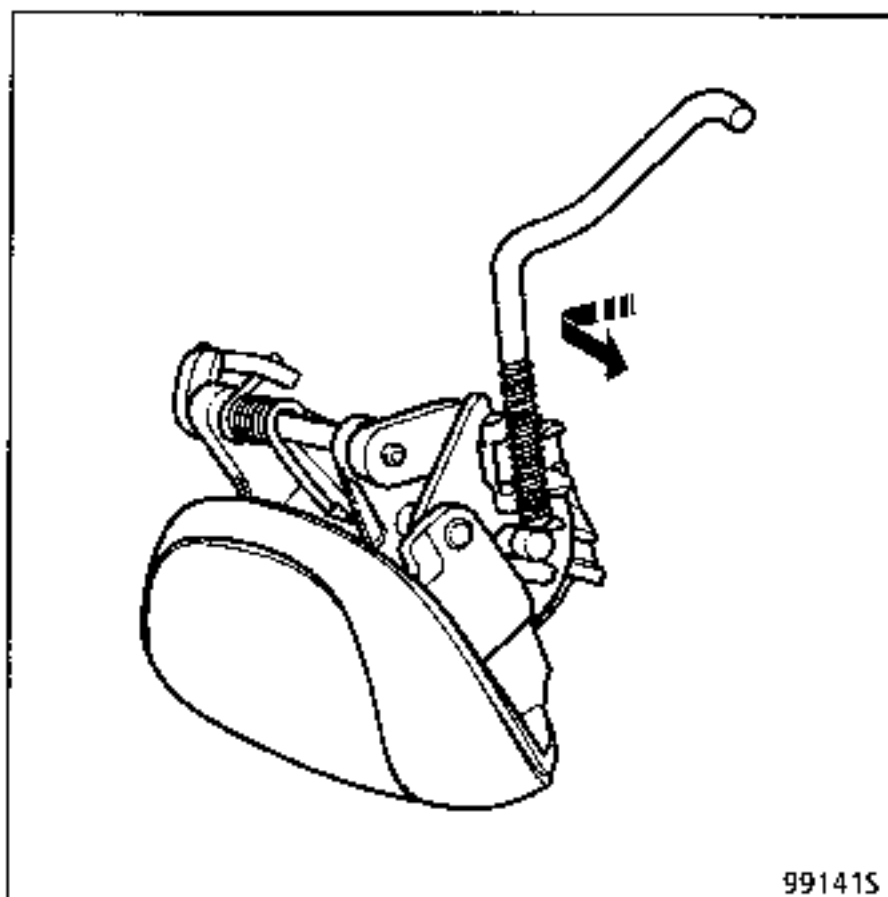
Turn the bracket (B) to release the control cable.



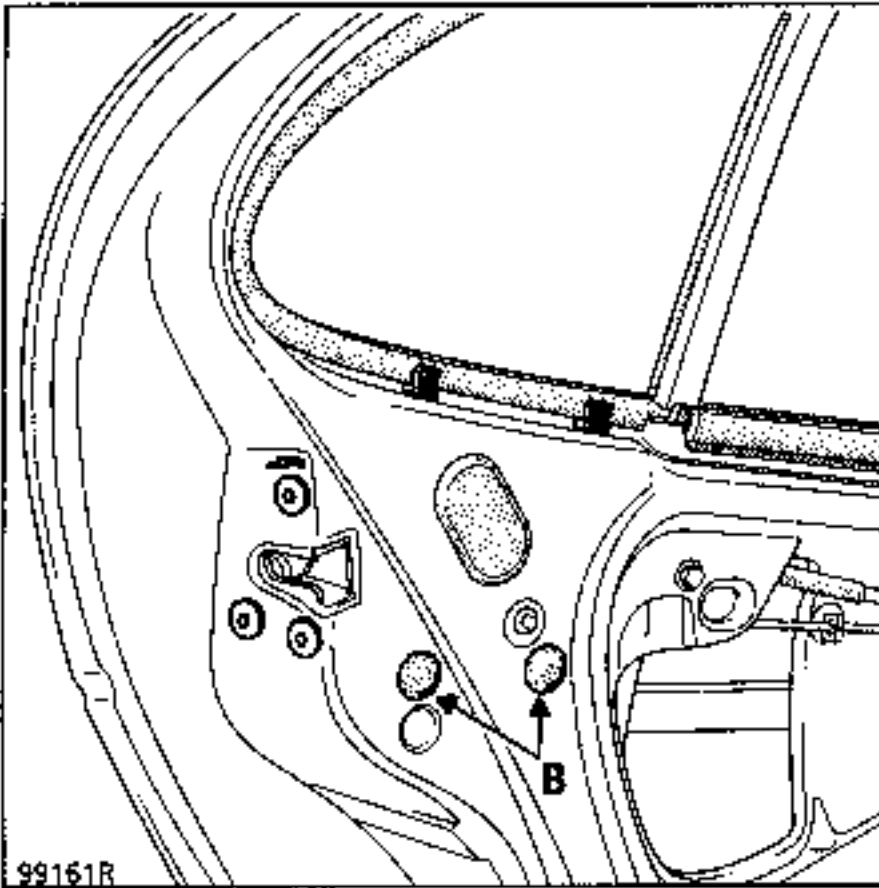
REMOVAL

Remove:

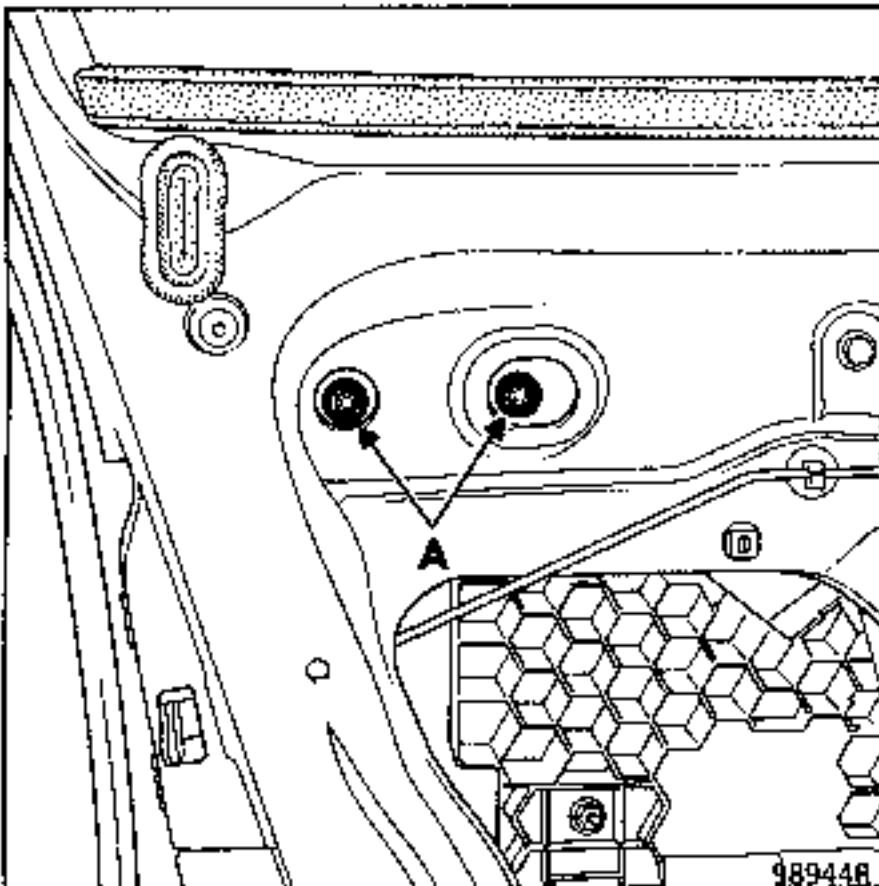
- the door trim panel (see 72B and 72C).
- the front door side impact absorber (see 59D)



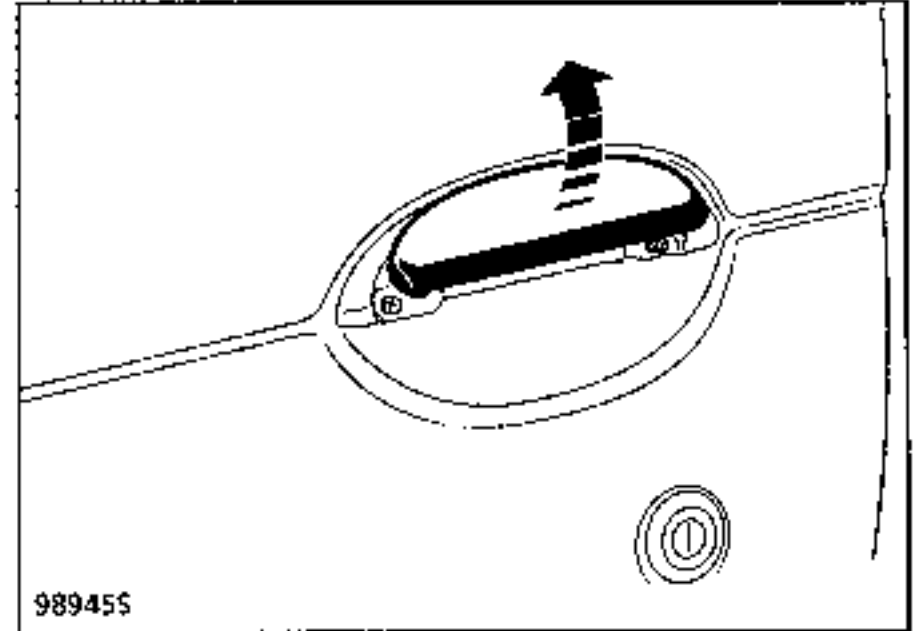
Release the lock opening control linkage.



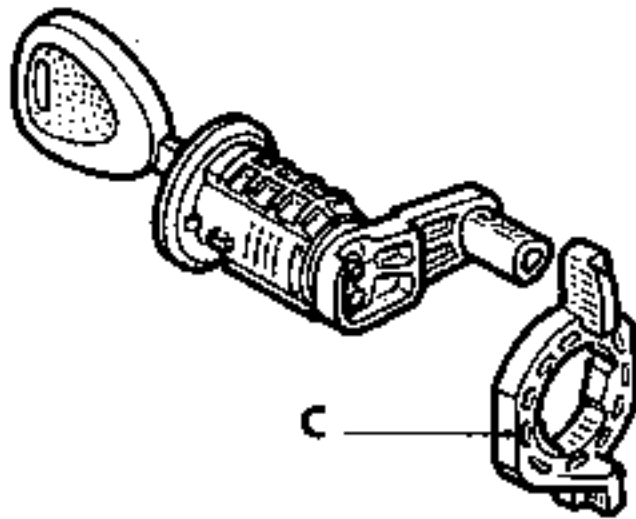
If the external door handle is being removed from a rear door, the two bolt covers (B) must be removed to reach the mounting nuts.



Remove the two door handle mounting nuts (A).



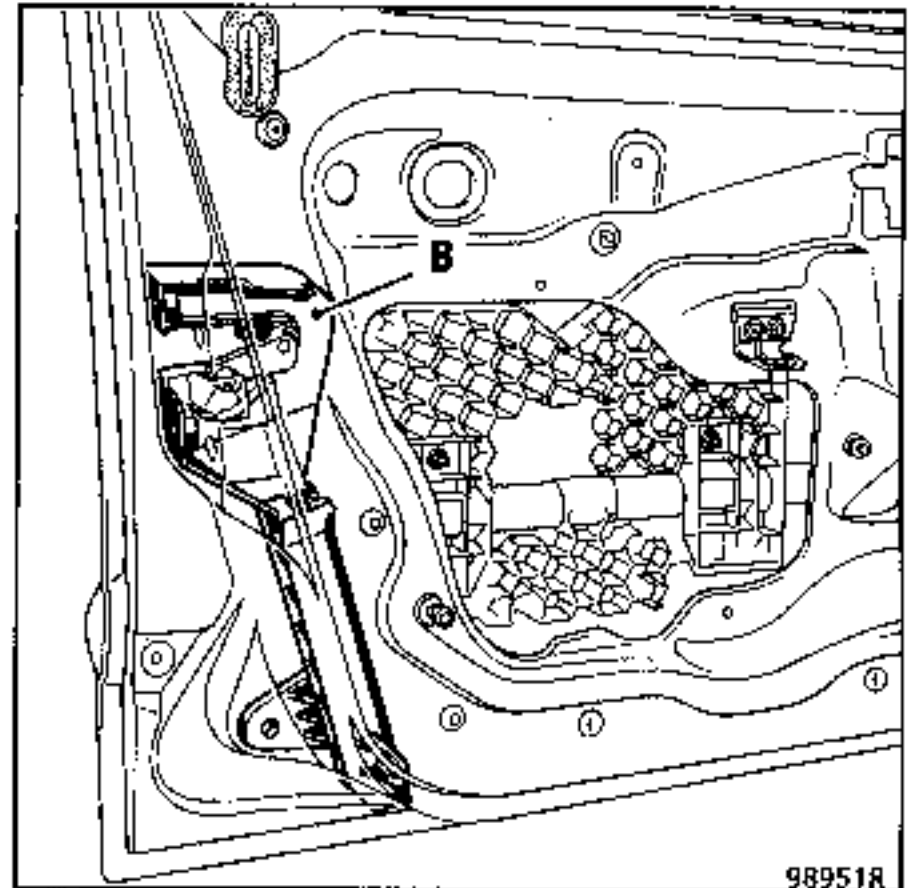
Lift the handle to the open position.
Tilt the handle as shown above to remove it.



PRG51.5

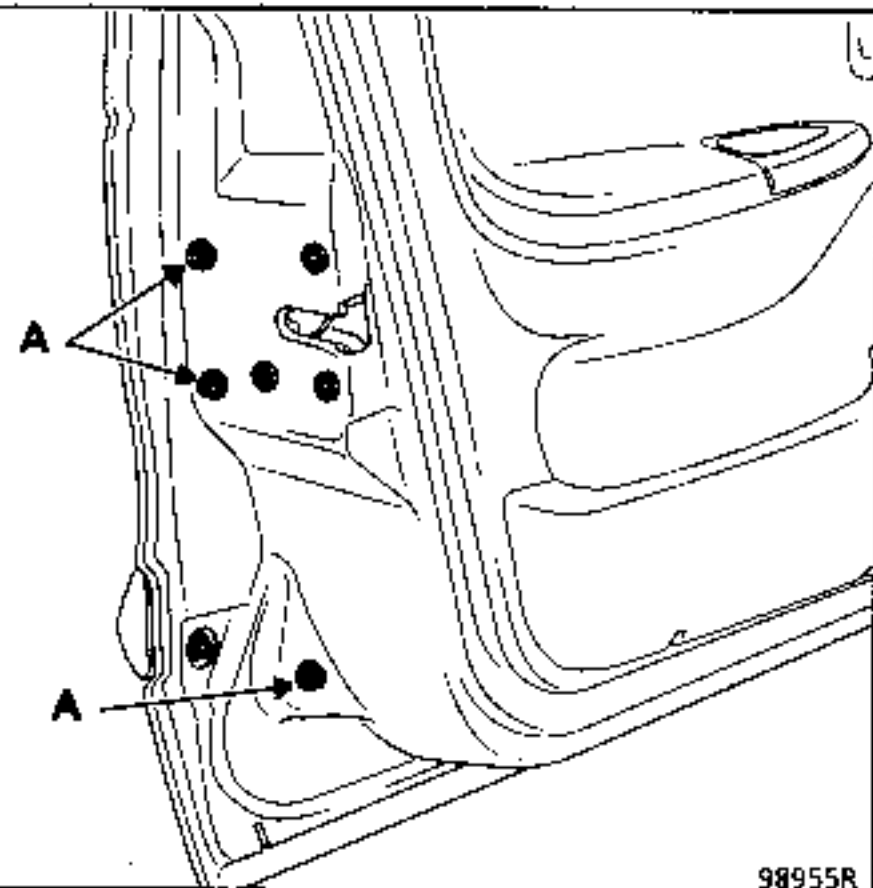
Remove:

- the front door trim panel (see 72B),
- the interior side impact absorber (see 59E).



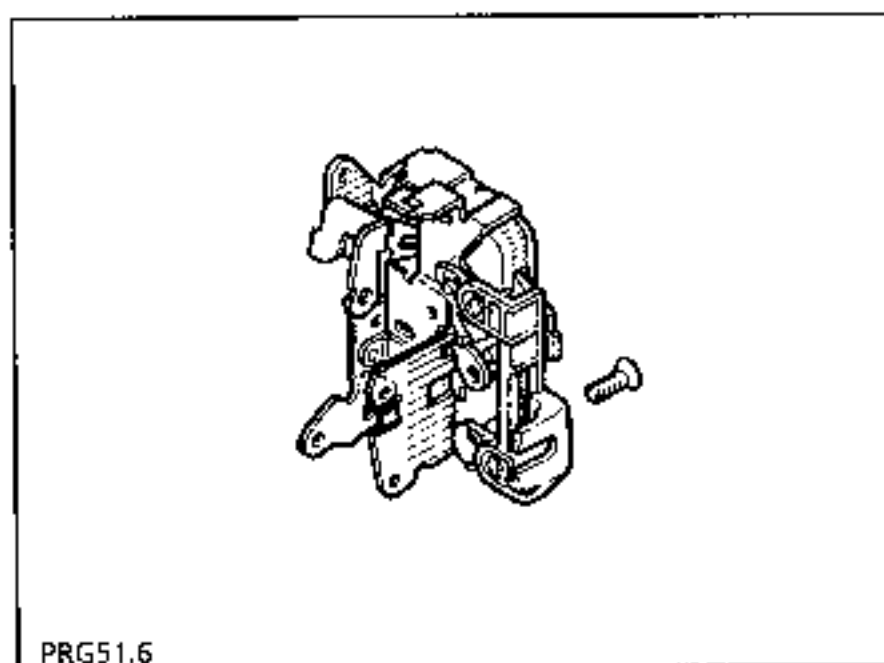
98951R

Turn the lock retaining ring a quarter turn (C).
Release the lock from its location on the door.

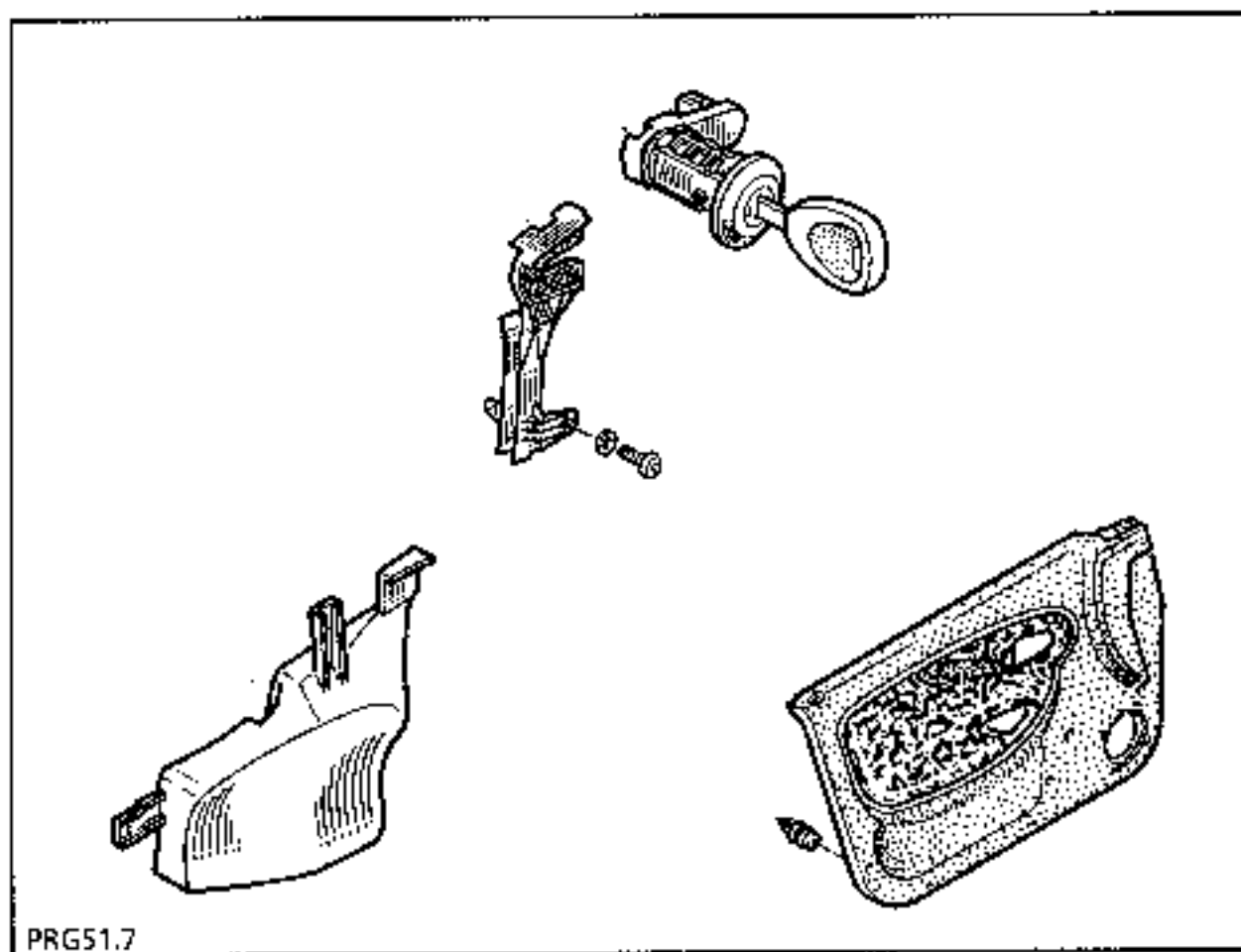


98955R

Remove the three mounting bolts (A) for the anti-theft pillar (B) (Star 30) and remove it.



REMOVAL

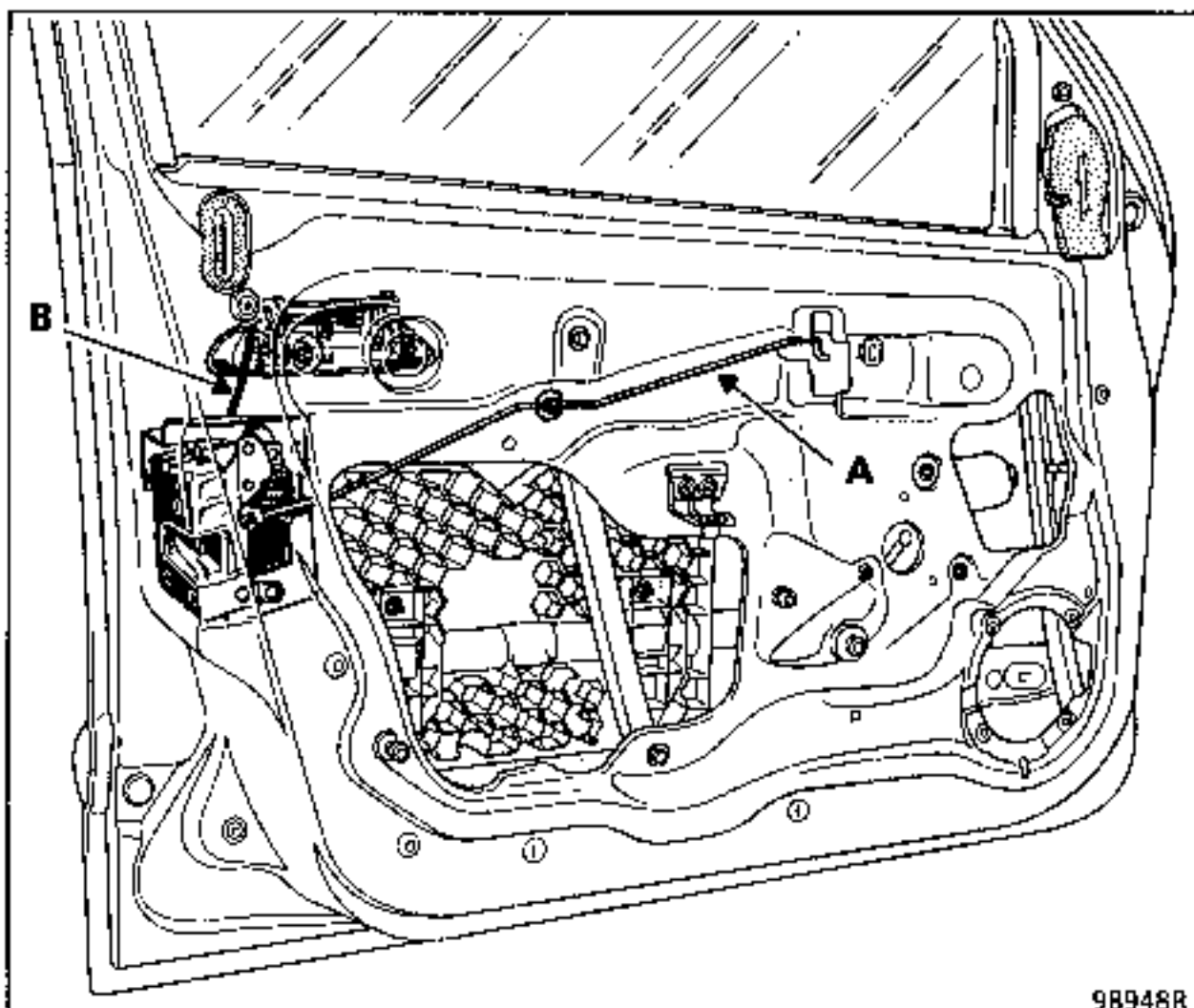


Remove:

- the front door trim panel (see 72B),
- the interior side impact absorber (see 59E),
- the anti-theft pillar and the lock (see 51E).

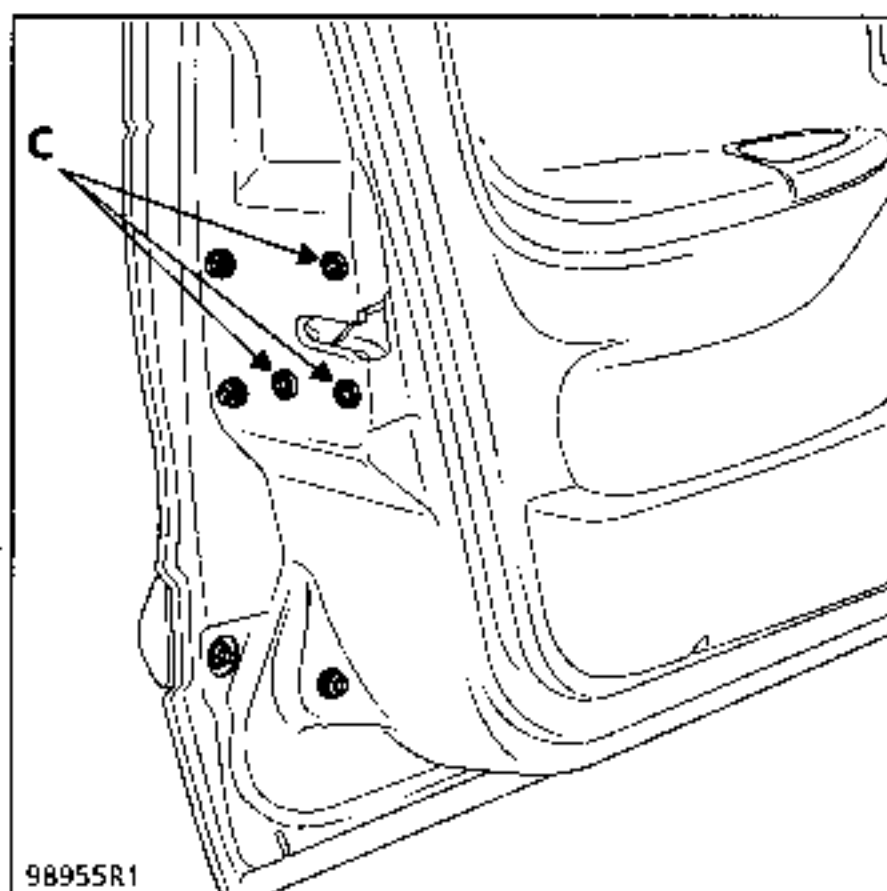
Disconnect the wiring (if necessary).

IMPORTANT : When refitting the lock, ensure the connector retaining bracket is correctly positioned.

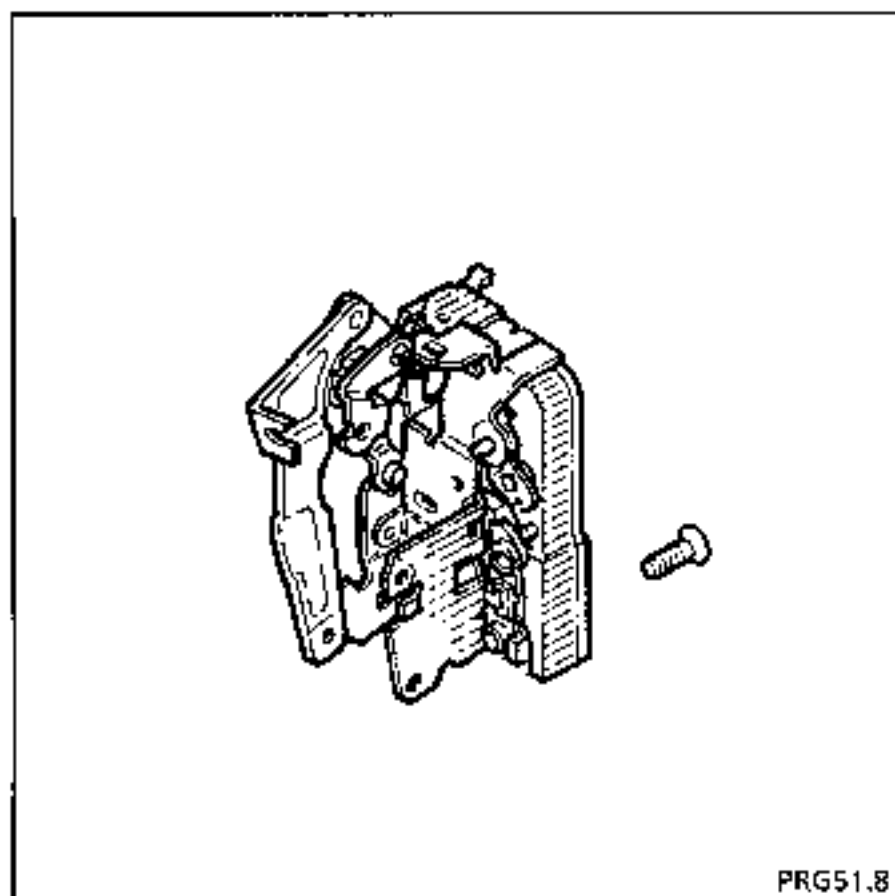


Release:

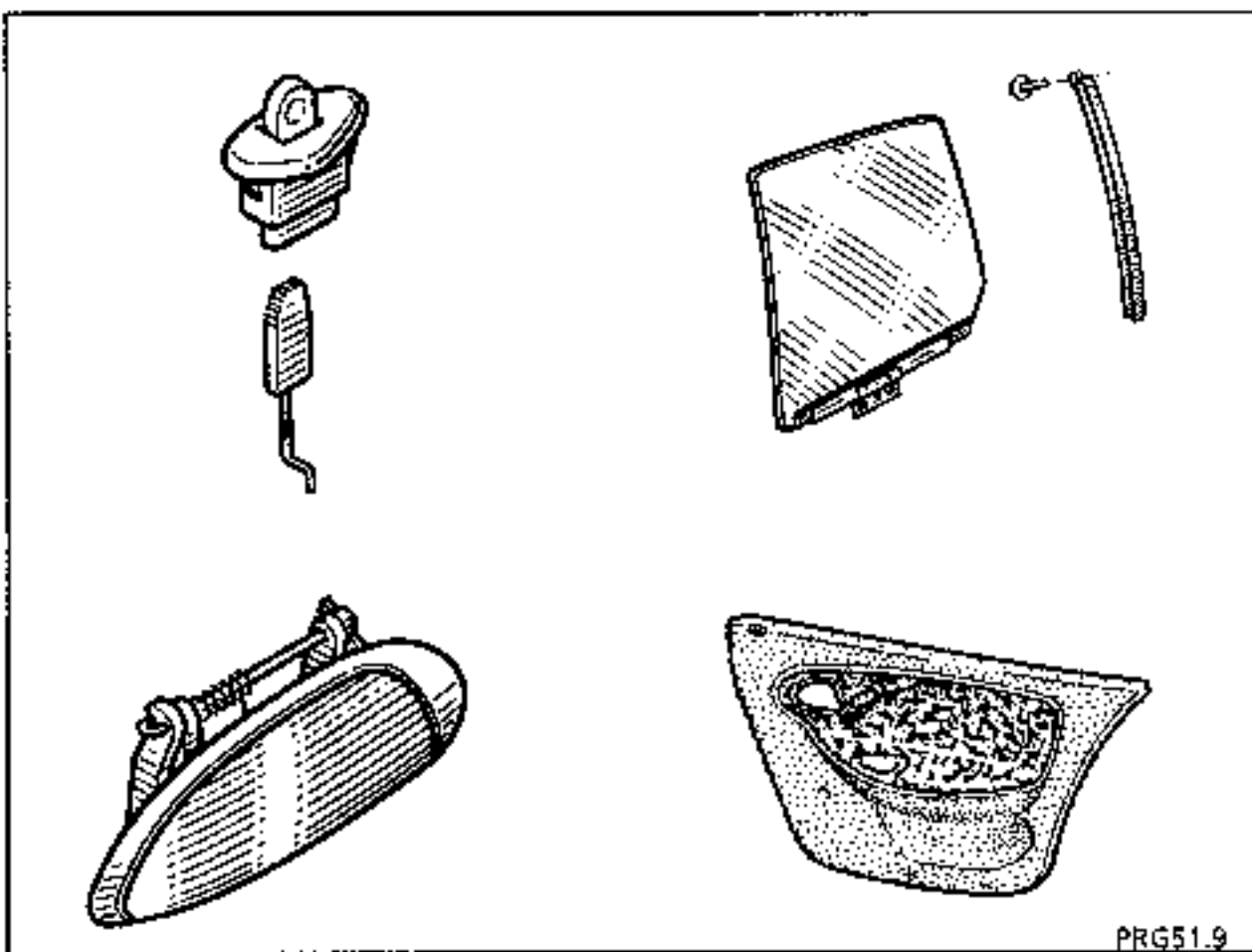
- the interior door opening control linkage (A),
- the exterior door opening control linkage (B) (see 51D)



Remove the three lock mounting bolts Star 30 (C).

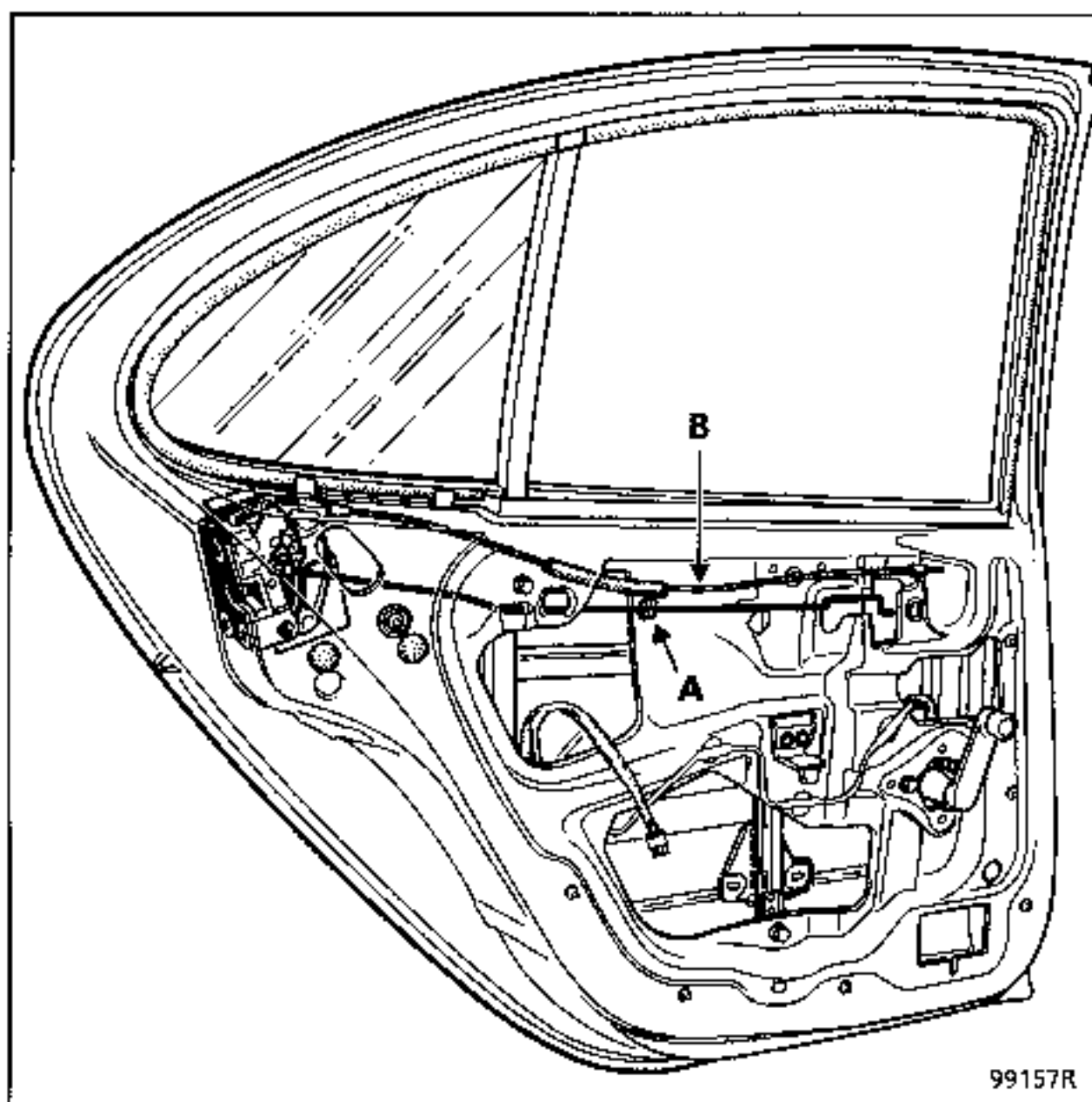


REMOVAL



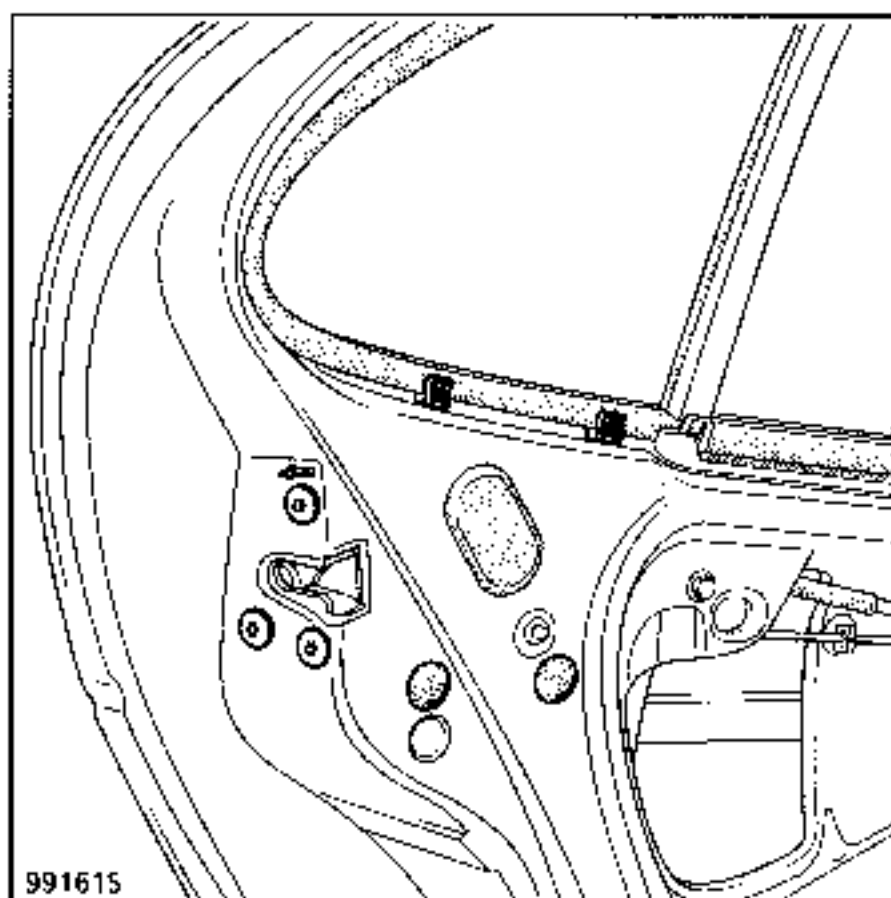
Remove:

- the rear door trim panel (see 72C),
- the sliding window and the fixed pillar (see 54C),
- the door locking knob (see 51C),
- the exterior door handle (see 51D).

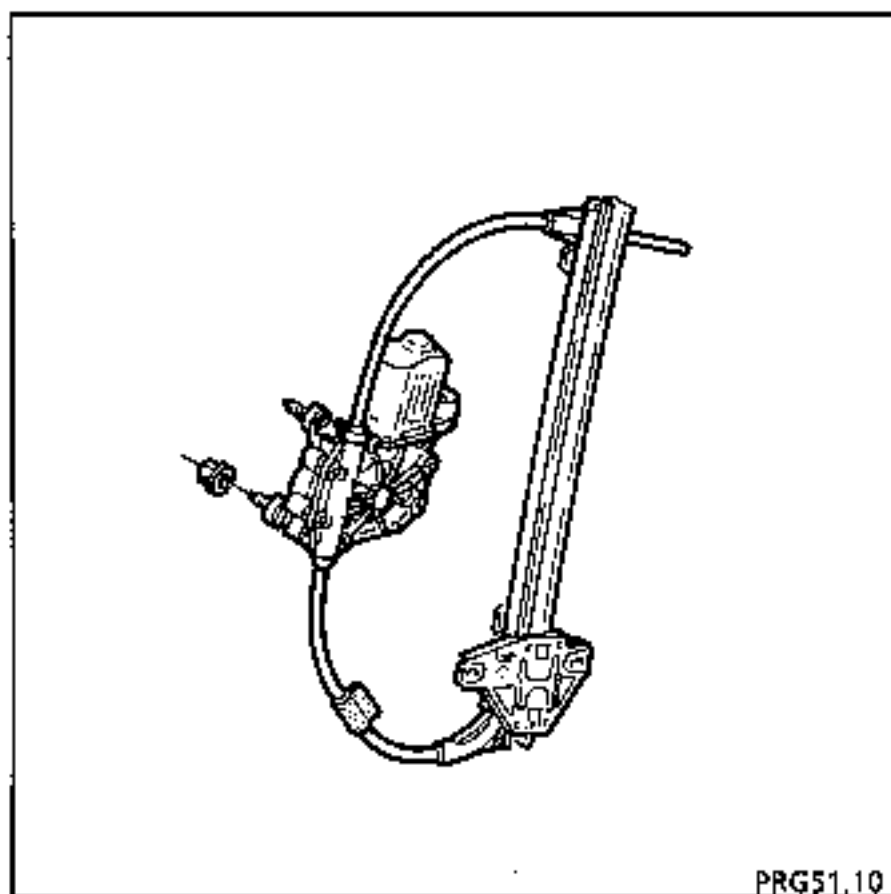


Release:

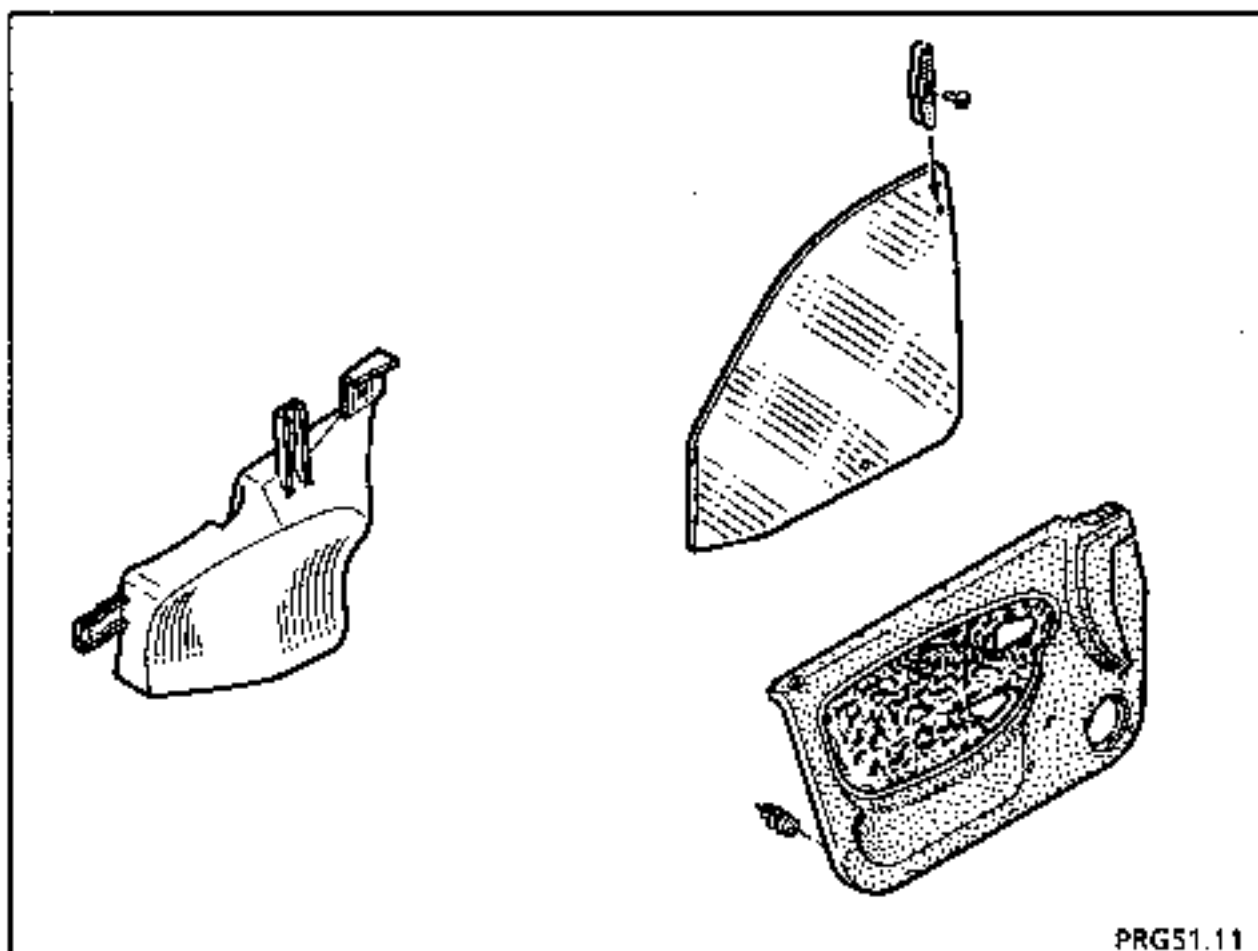
- the interior door opening control linkage (A),
- the control cable (B) for the door locking knob.
- the exterior door opening control linkage (see 51 D). Working blind.



Remove the three lock mounting bolts (Star 30).
Remove the lock.

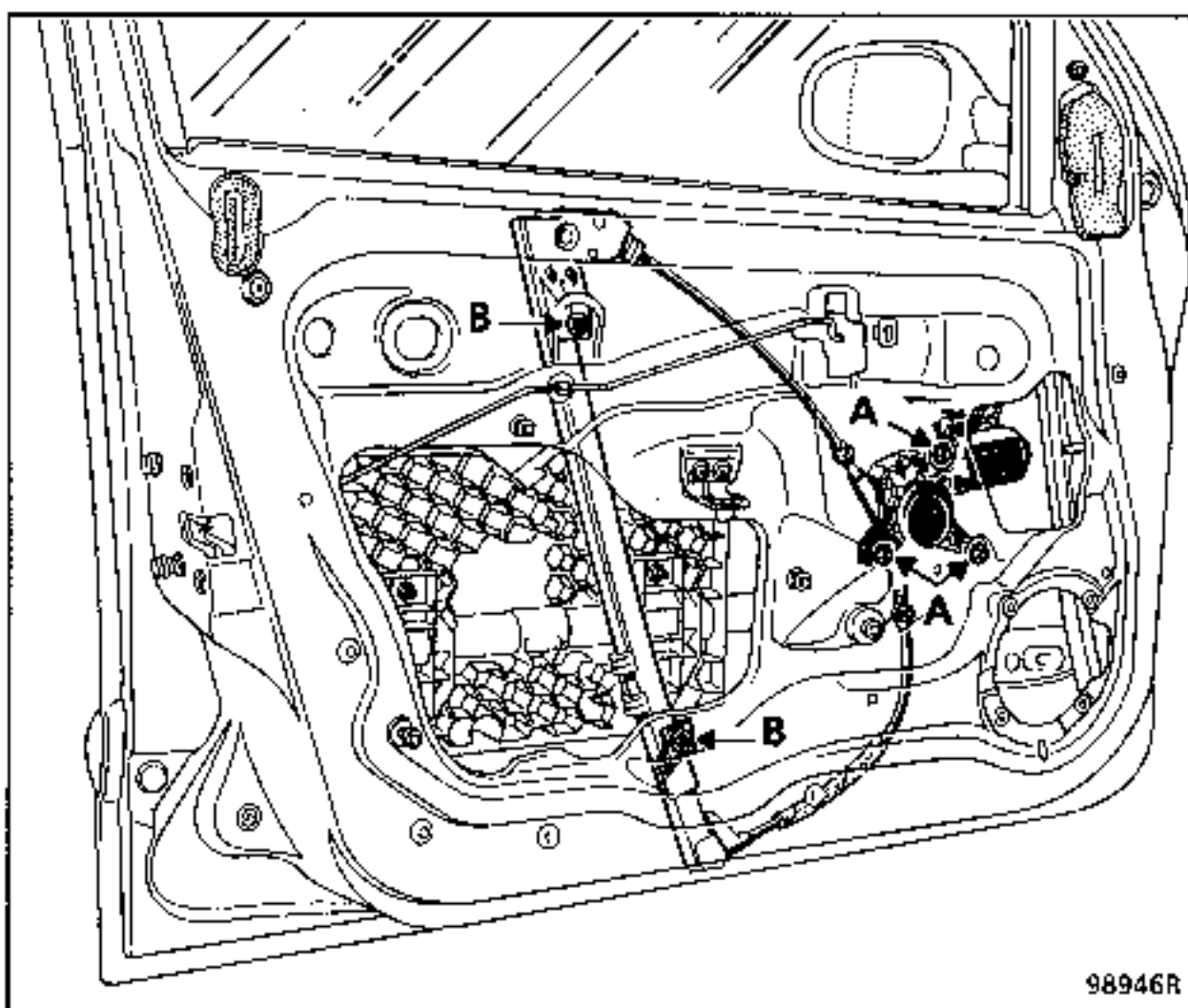


REMOVAL OF THE ELECTRIC MECHANISM



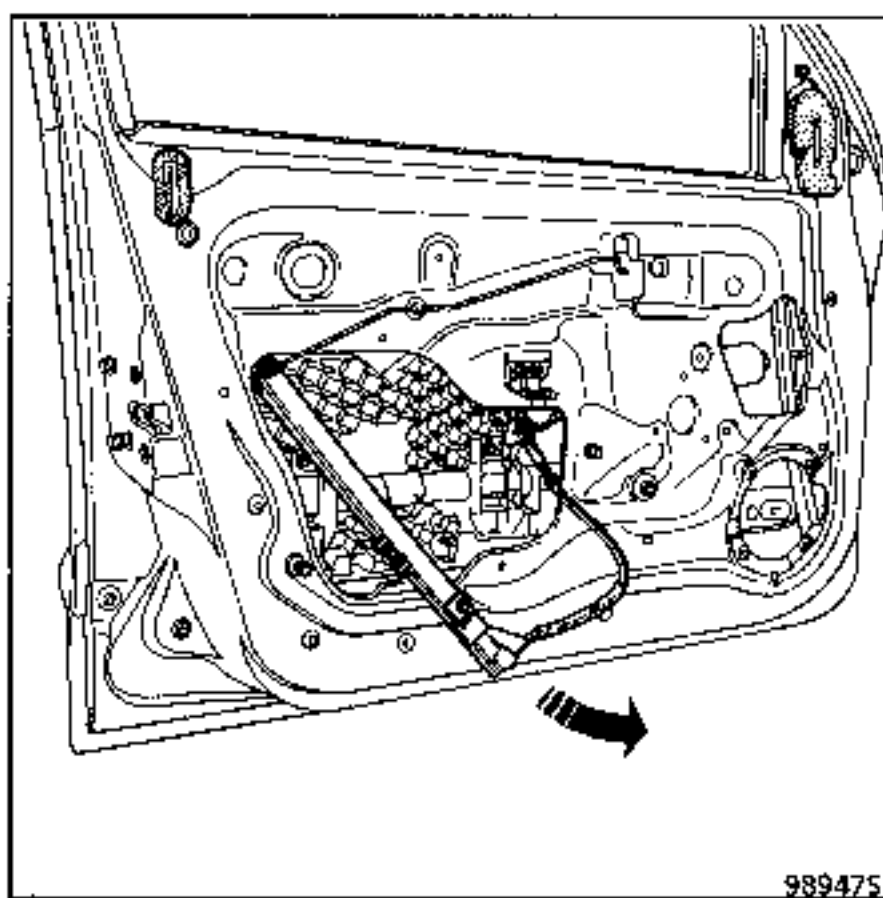
Remove:

- the front door trim panel (see 72B),
- the interior side impact absorber (see 59E),
- the window (see 54B).



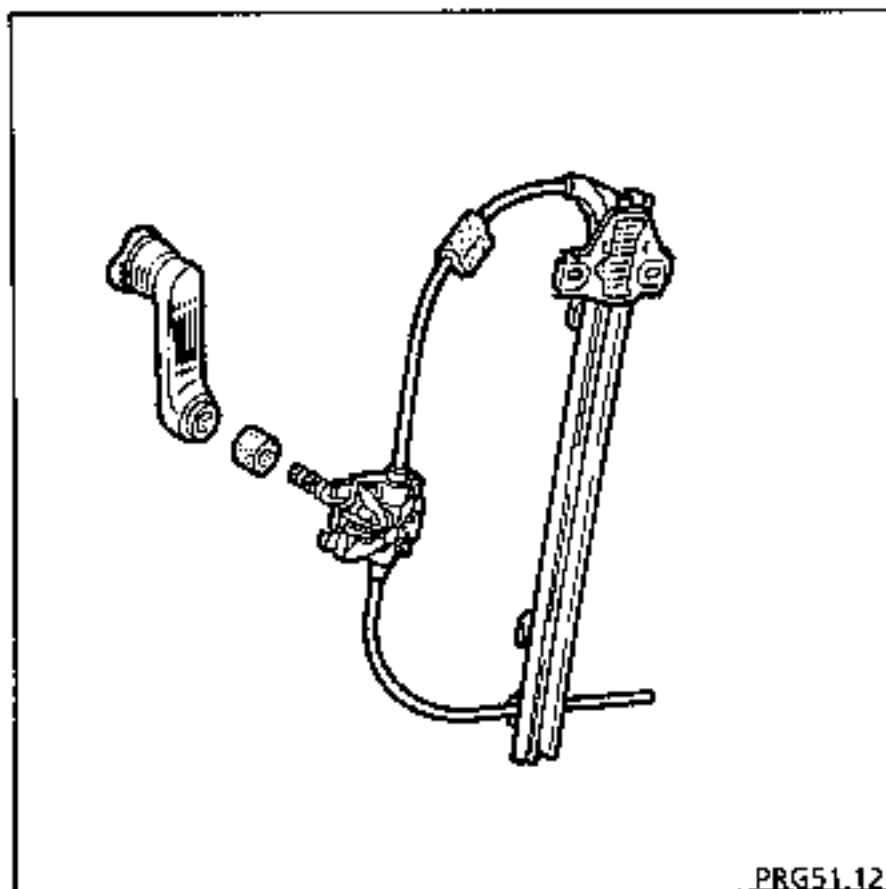
Disconnect the motor connector.

Remove the three motor mounting nuts (A) and the two mechanism mounting bolts (B) (10 wrench).

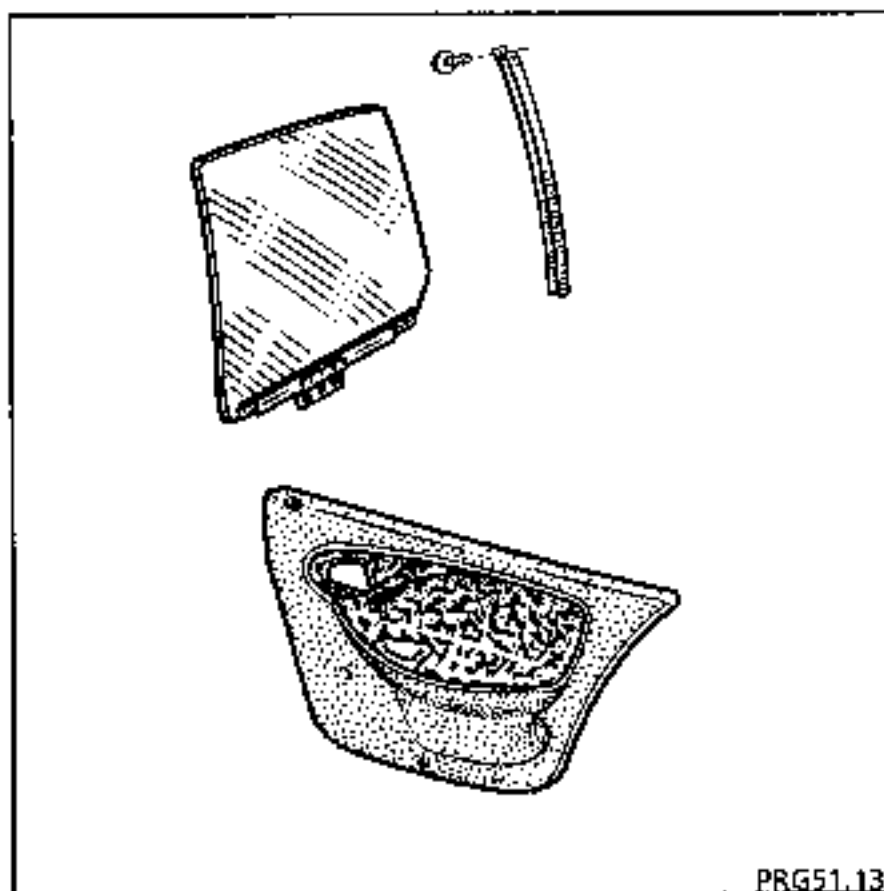


Tilt the assembly and remove through the opening in the body.

The manual window winder is removed in the same manner.

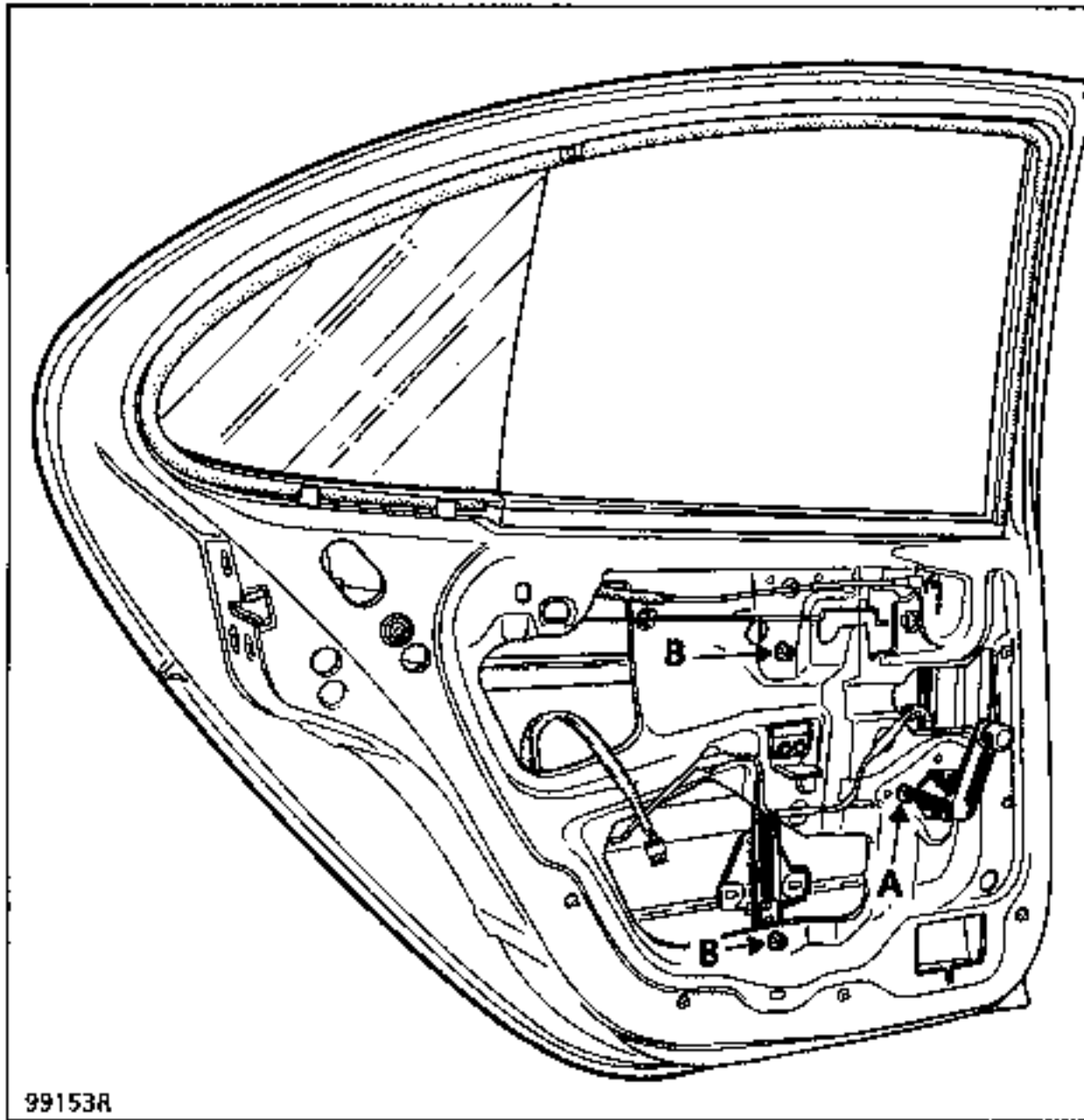


REMOVAL OF THE MANUAL MECHANISM



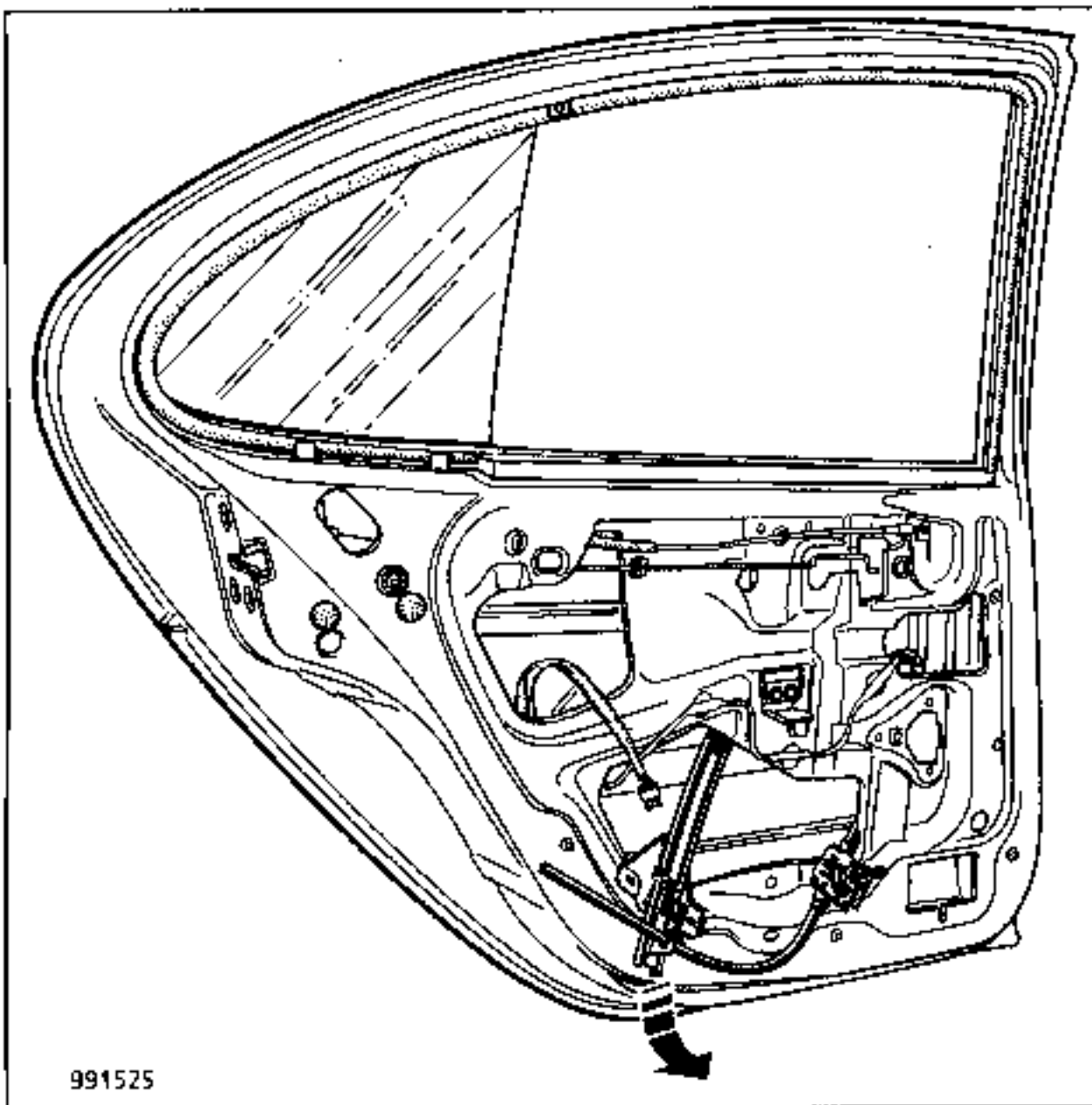
Remove:

- the rear door trim panel (see 72C),
- the sliding window and the fixed pillar (see 54C).



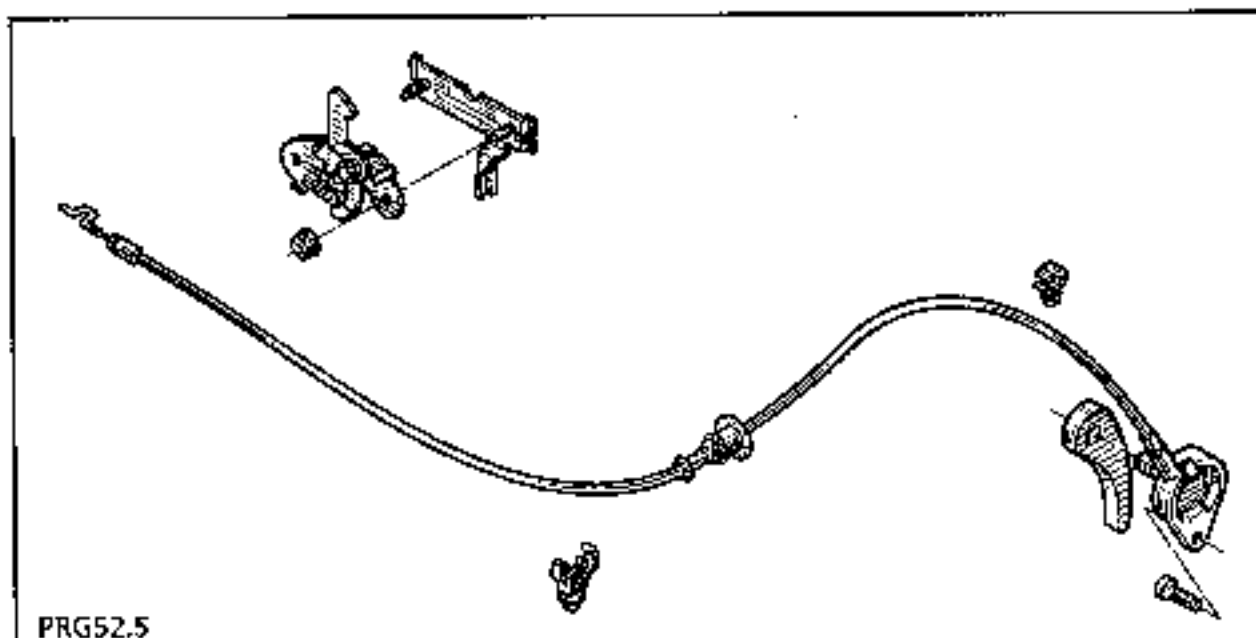
Remove:

- the manual control unit mounting bolt (A) and release the two retaining brackets to remove it from its position,
- the two mechanism mounting bolts (B) (10 wrench)

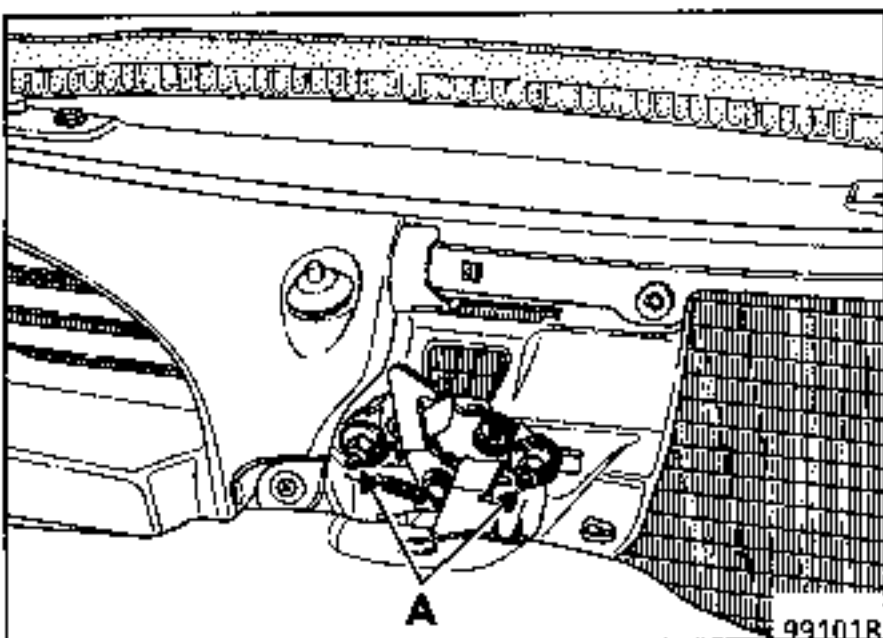


Tilt the assembly and remove through the opening in the body.

The manual window winder is removed in the same manner (three bolts mount the motor to the body).

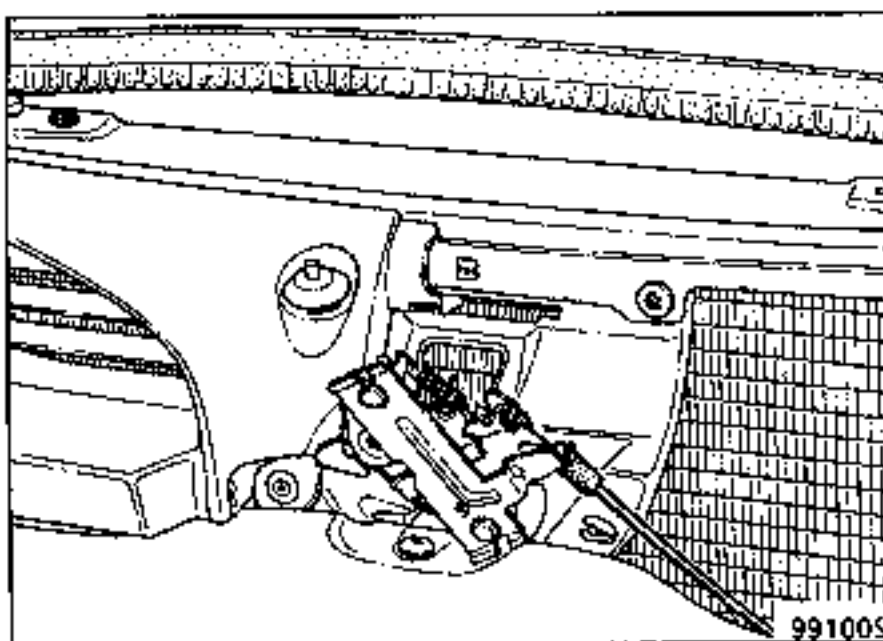


PRG52.5

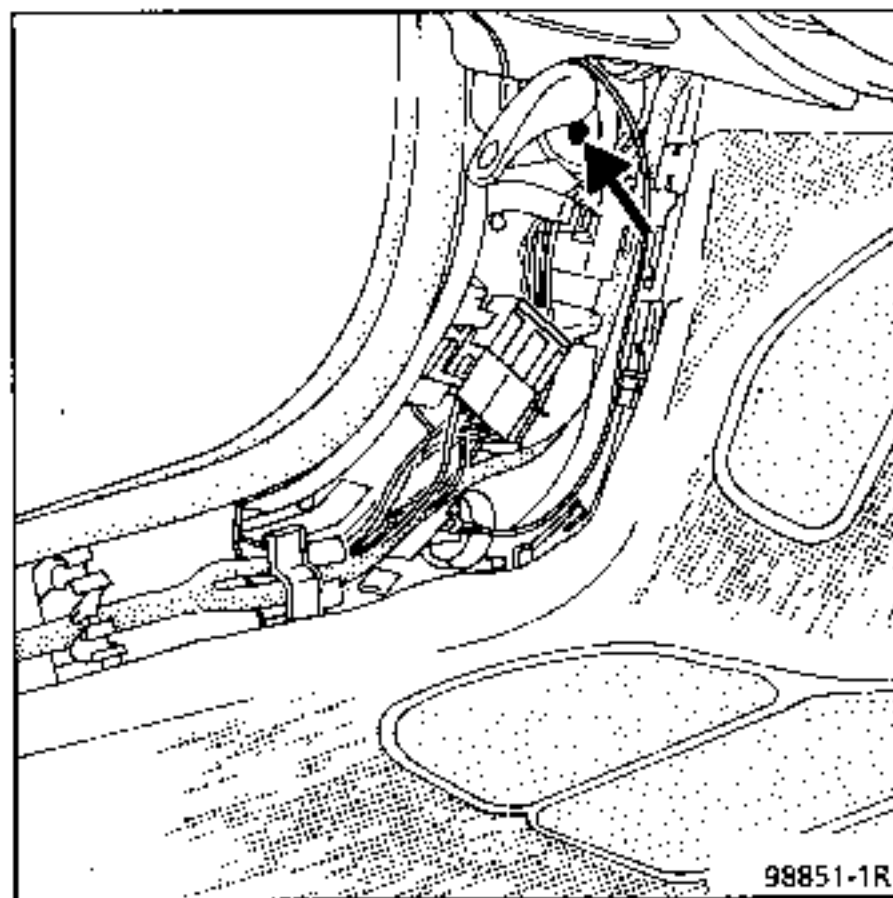


Remove :

- the left hand front indicator,
- the front left hand half radiator grille (see 55 F),
- the two mountings for the lock (A).



Turn the lock over and release the cable from the lock.

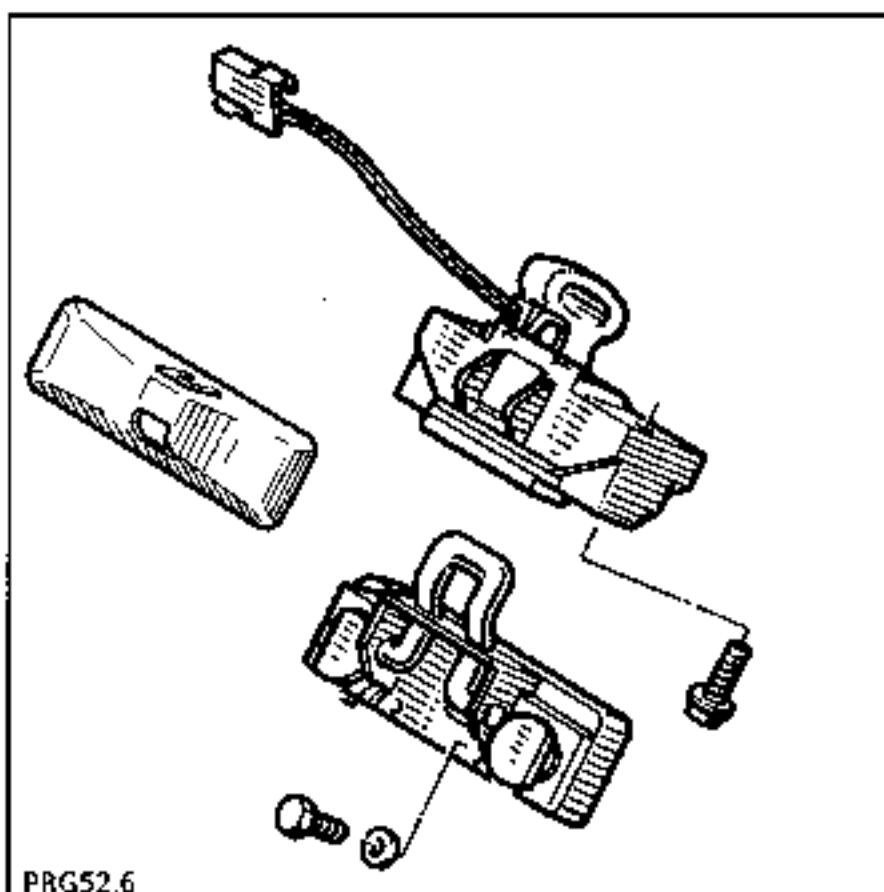


Remove :

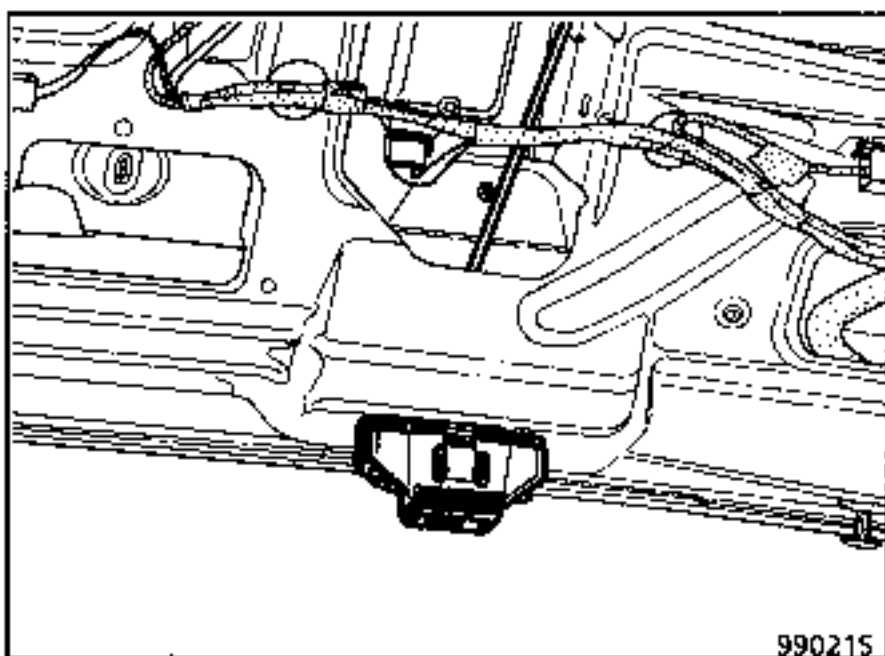
- the valance lining,
- the handle mounting bolt.

Remove the cable guide from the pedal mounting and pull the cable through from the inside of the vehicle.

NOTES: When refitting, grease the bulkhead plug well so that it can be refitted more easily.



REMOVING THE LOCK

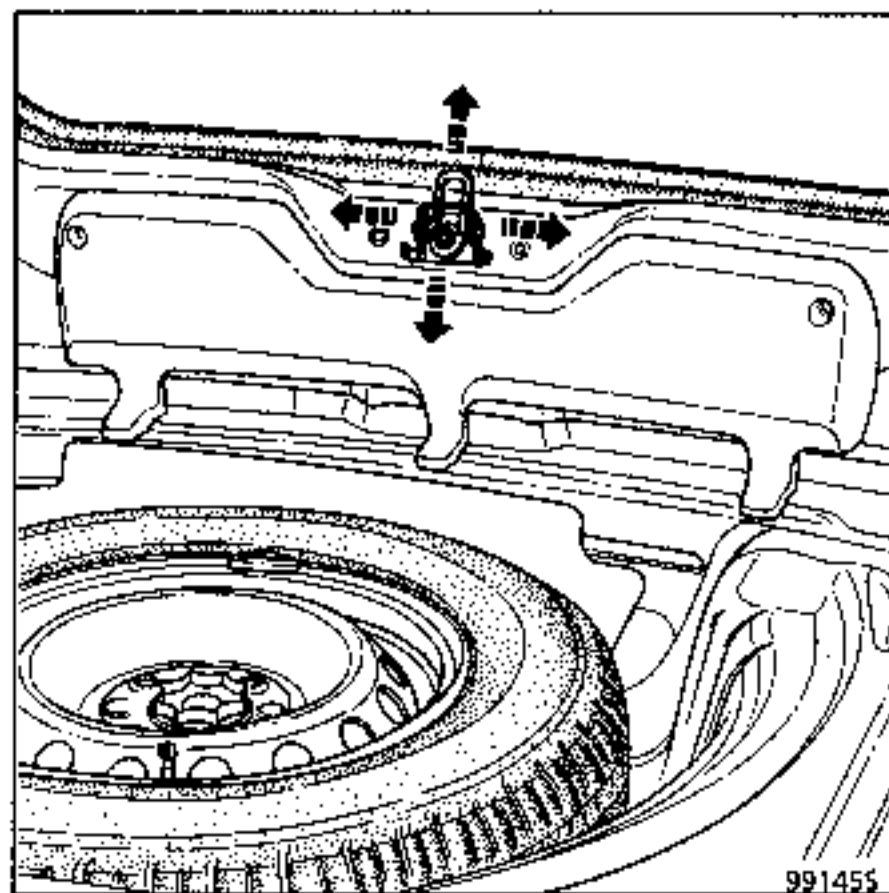


Remove :

- the tailgate trim (see 73 A),
- the two lock mounting bolts.

Unclip the linkage.

REMOVING THE STRIKER PLATE

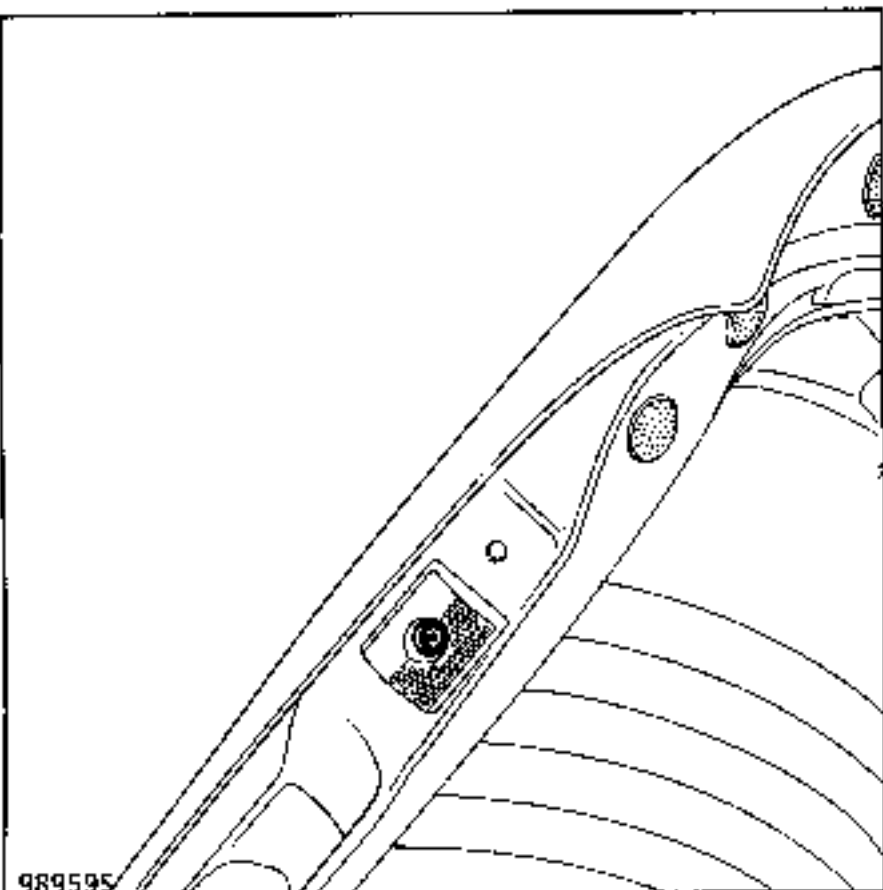


Remove :

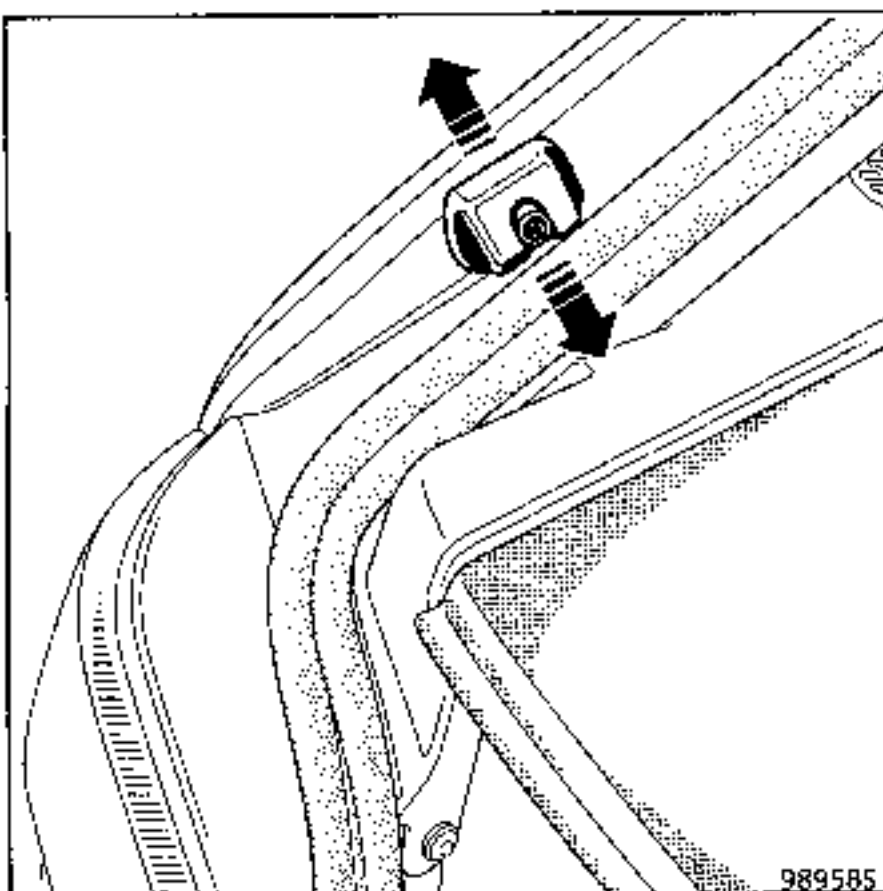
- the striker plate cover,
- the striker plate mounting bolt.

NOTE : the arrows on the diagram show where adjustments may be made.

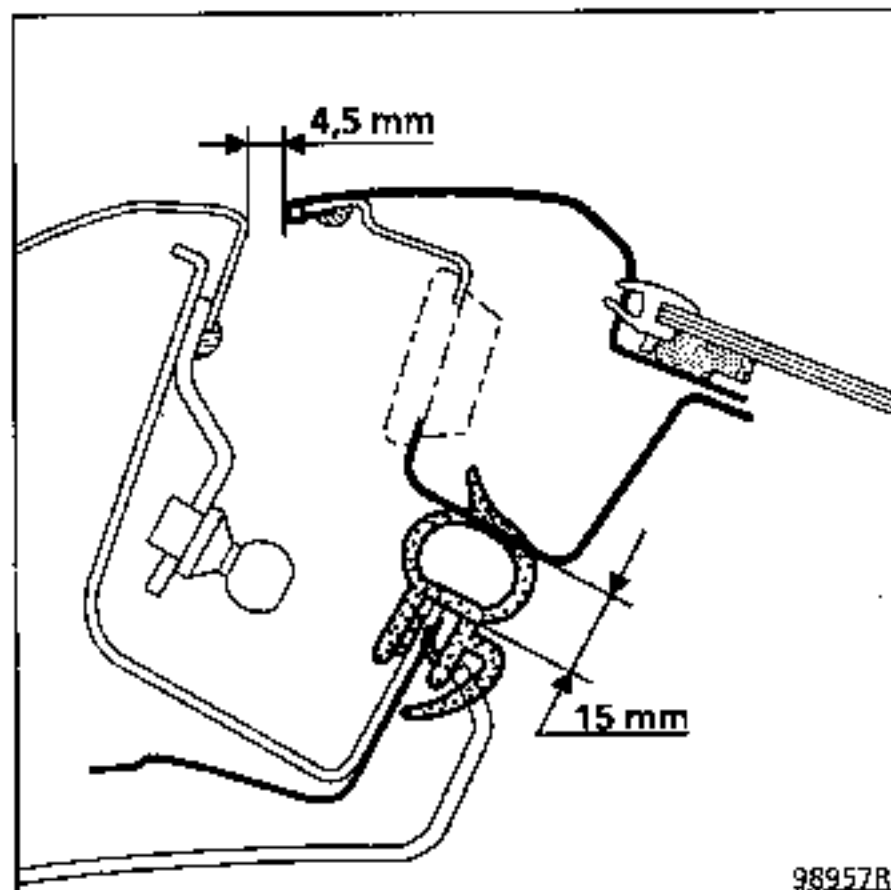
ADJUSTING



Position the fixed stops on the tailgate.



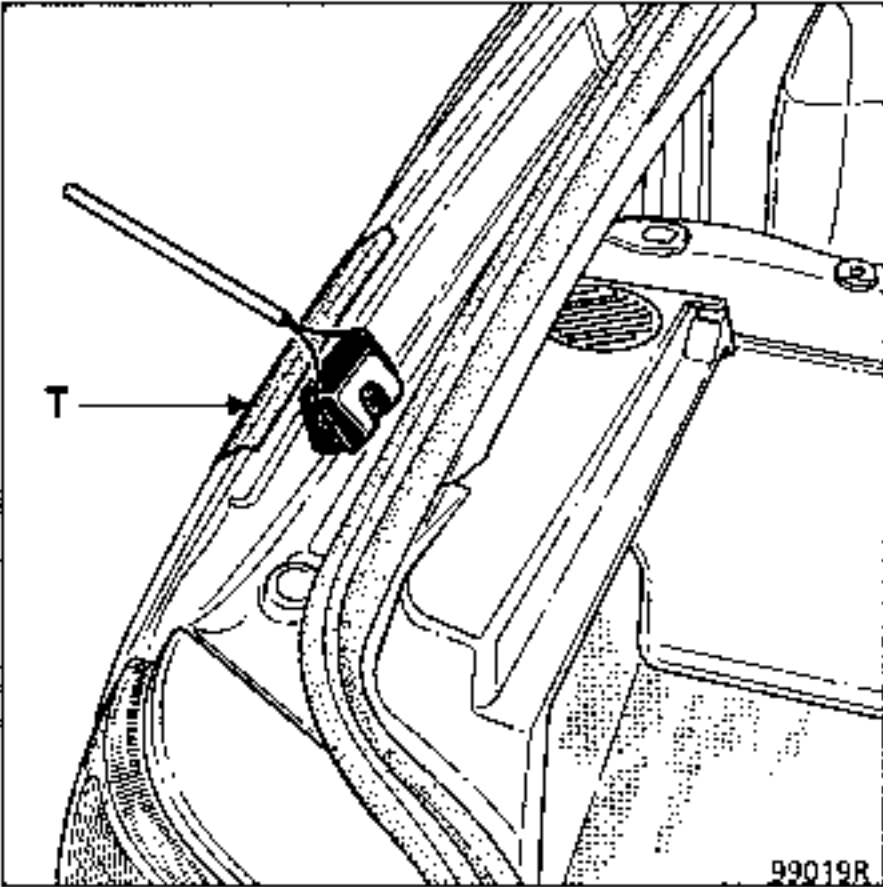
Fit the luggage compartment seal.
Position the adjustable stops on the body, in the low position, but do not tighten them.



Check the tailgate clearance in relation to the wings ($4.5 \text{ mm} \pm 1$) (if the tailgate is not correctly centred, adjust the hinges).

Adjust the striker plate to ensure sufficient pressure on the seal (dimension 15 mm).

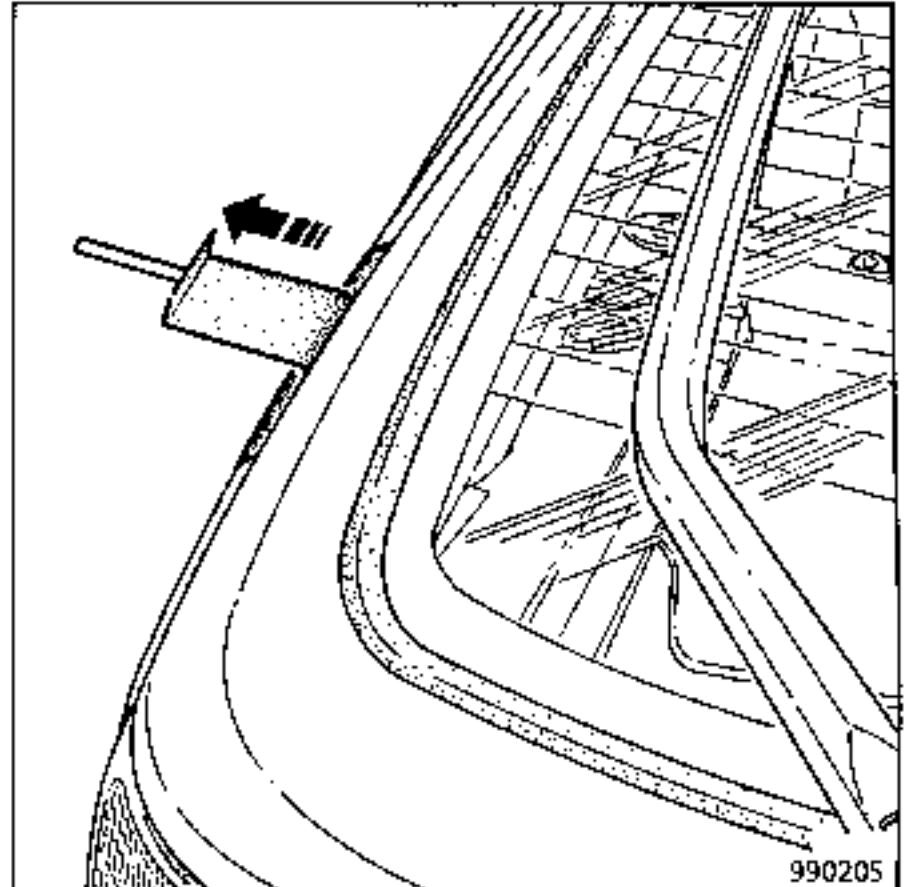
Adjust the side stops as described below.



Use masking tape to protect the bodywork (T).

Using a locally made tool (metal welding rod), make a loop around the stop as shown in the diagram above.

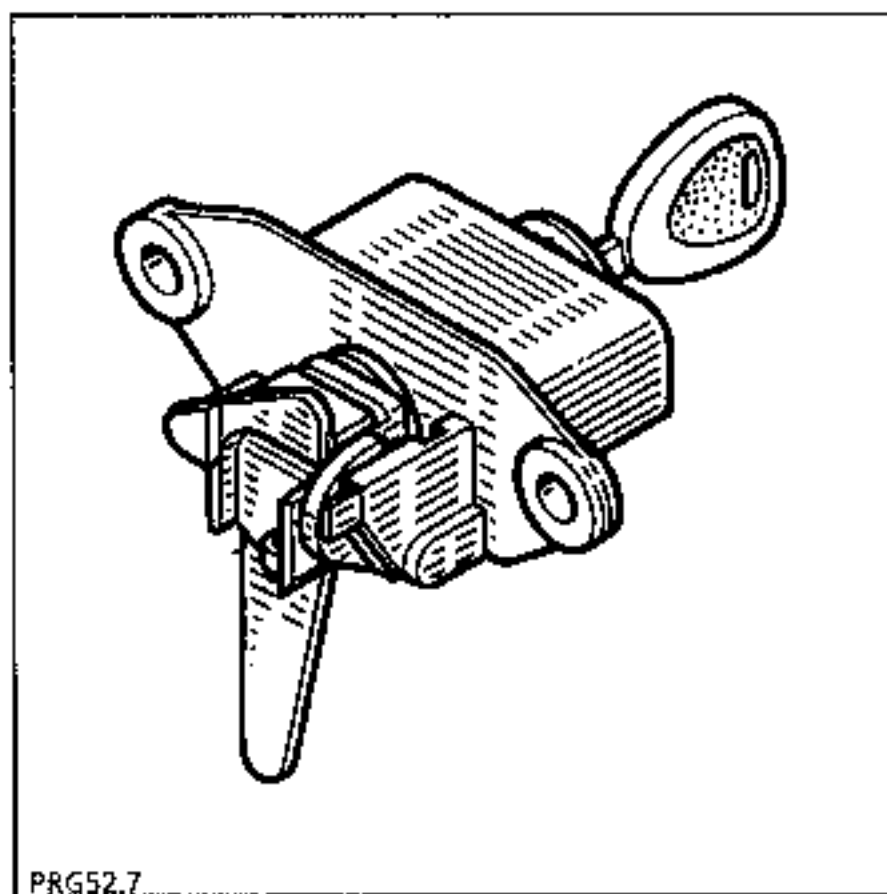
Insert a strip of masking paper between the stop and the tailgate, then close the tailgate.



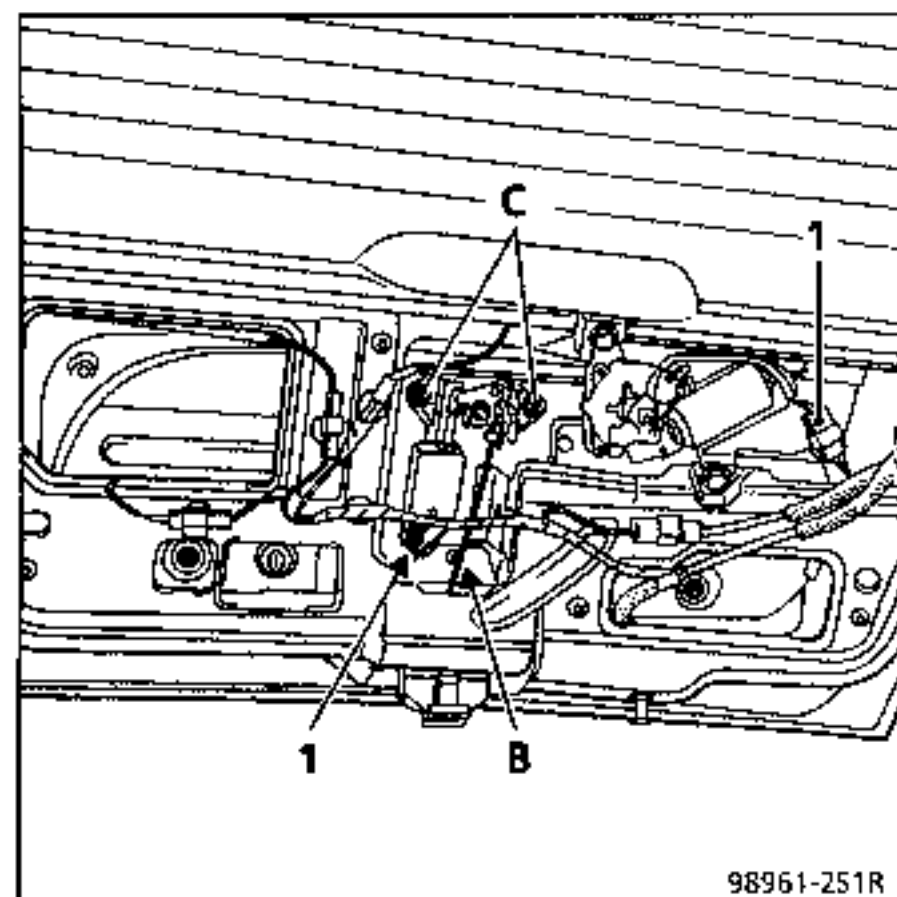
Pull the metal wire to bring the stops into contact with the tailgate.

Using the strip of paper, check the adjustment: (the paper should slide without tearing).

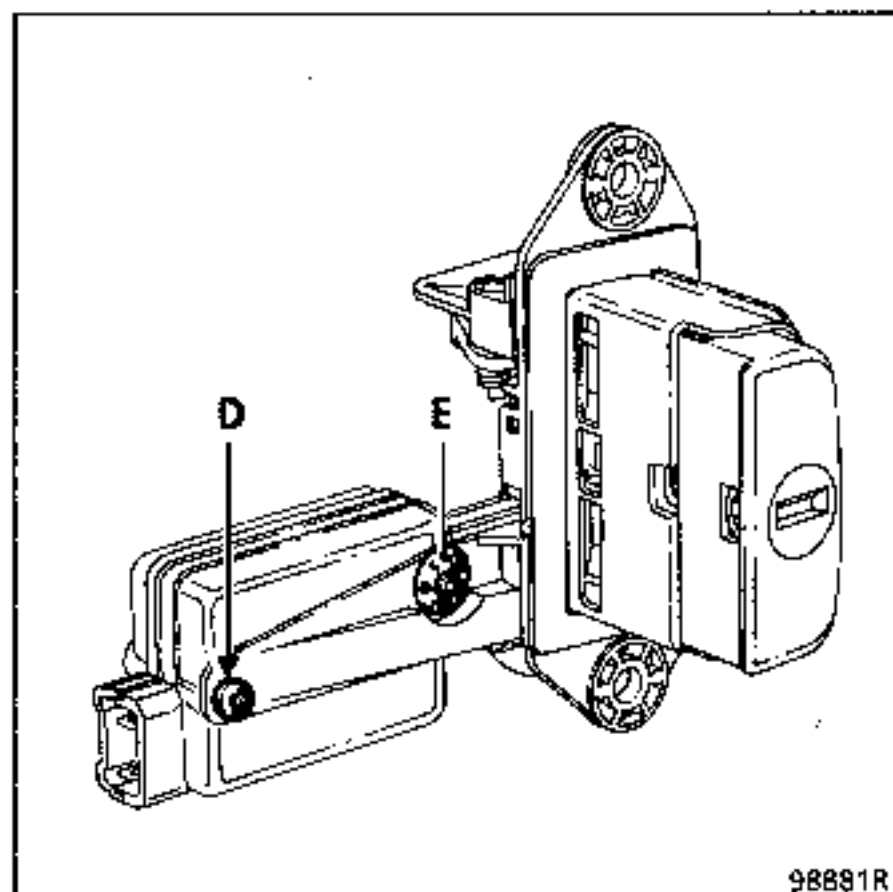
Open the tailgate again and tighten the stops.



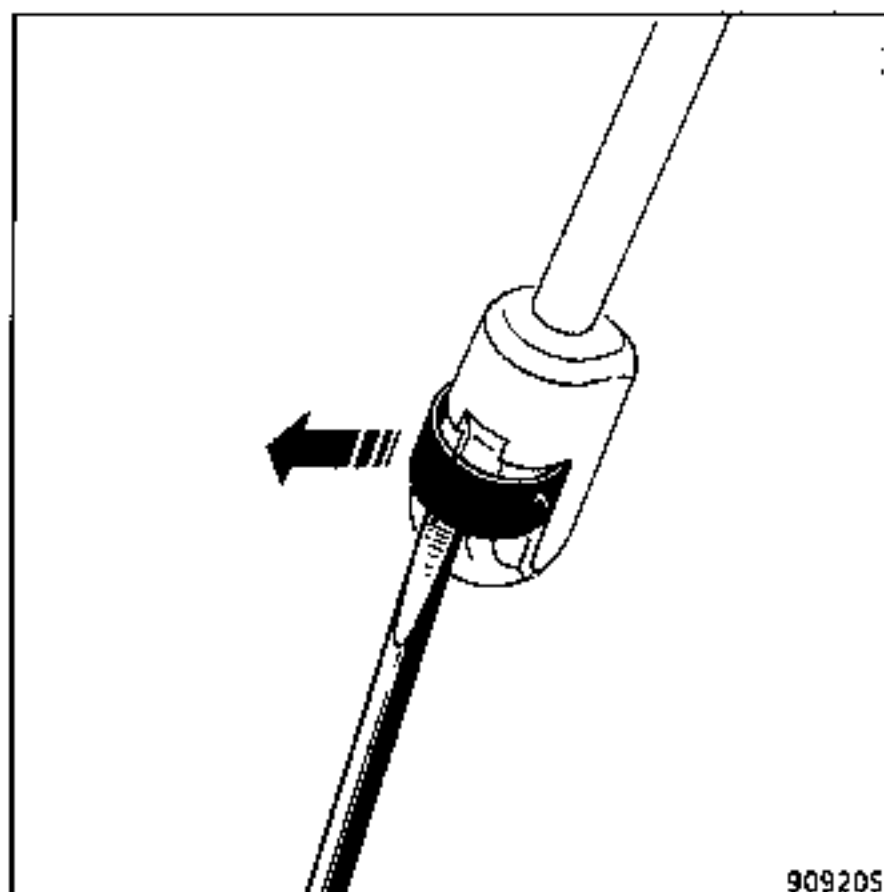
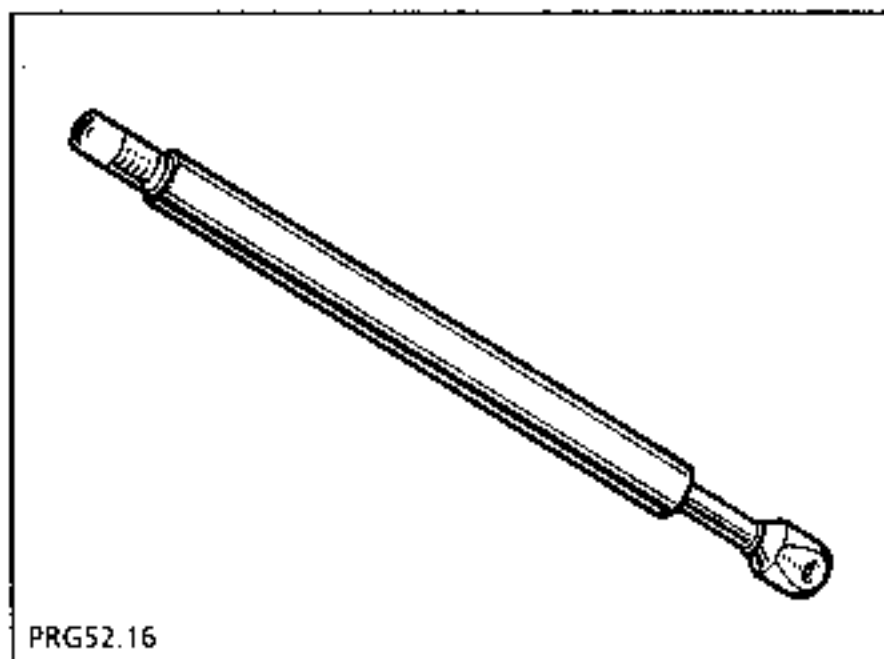
Remove the tailgate trim.



Disconnect the locking motor connector (1).
Unclip the linkage (B).
Remove the two mounting nuts (C).

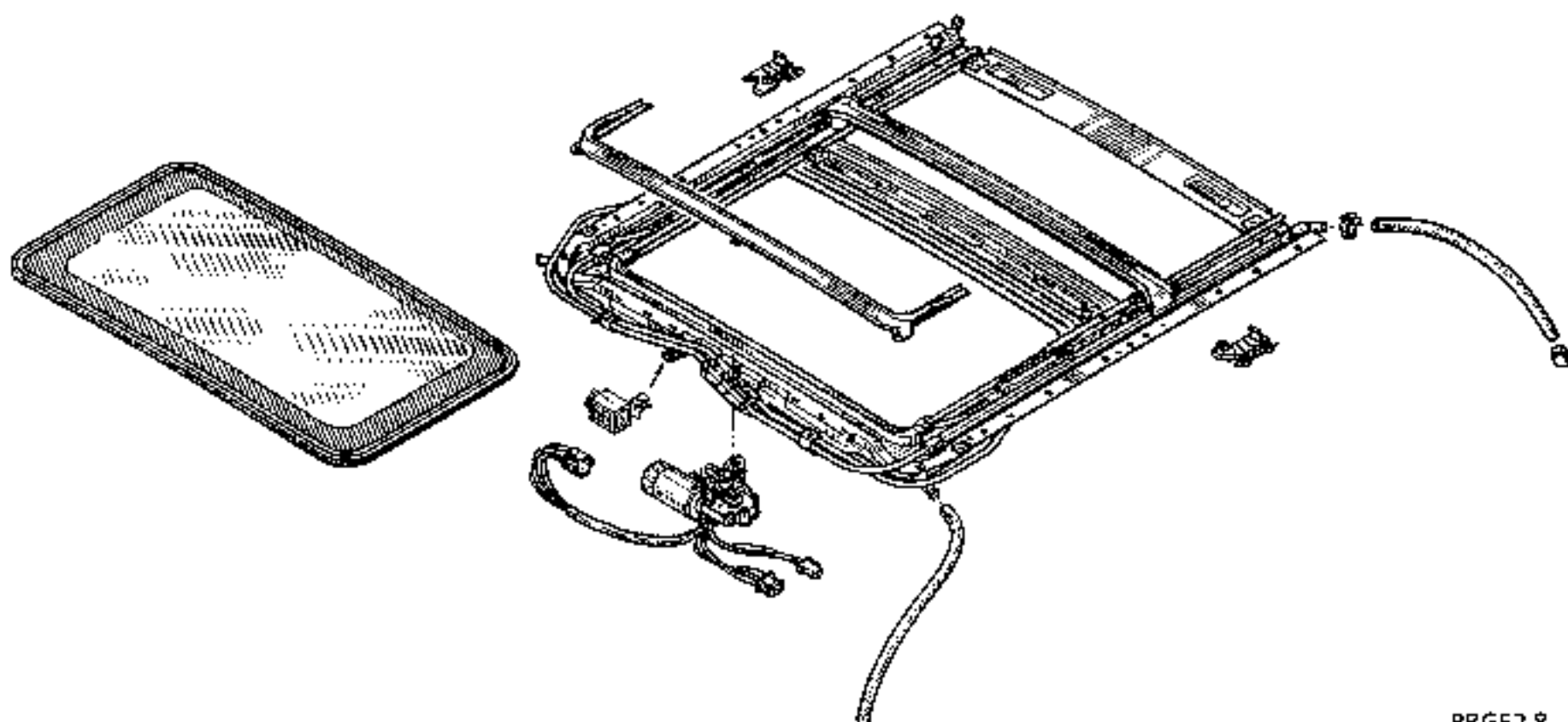


Remove the locking motor (bolt D and clip E).



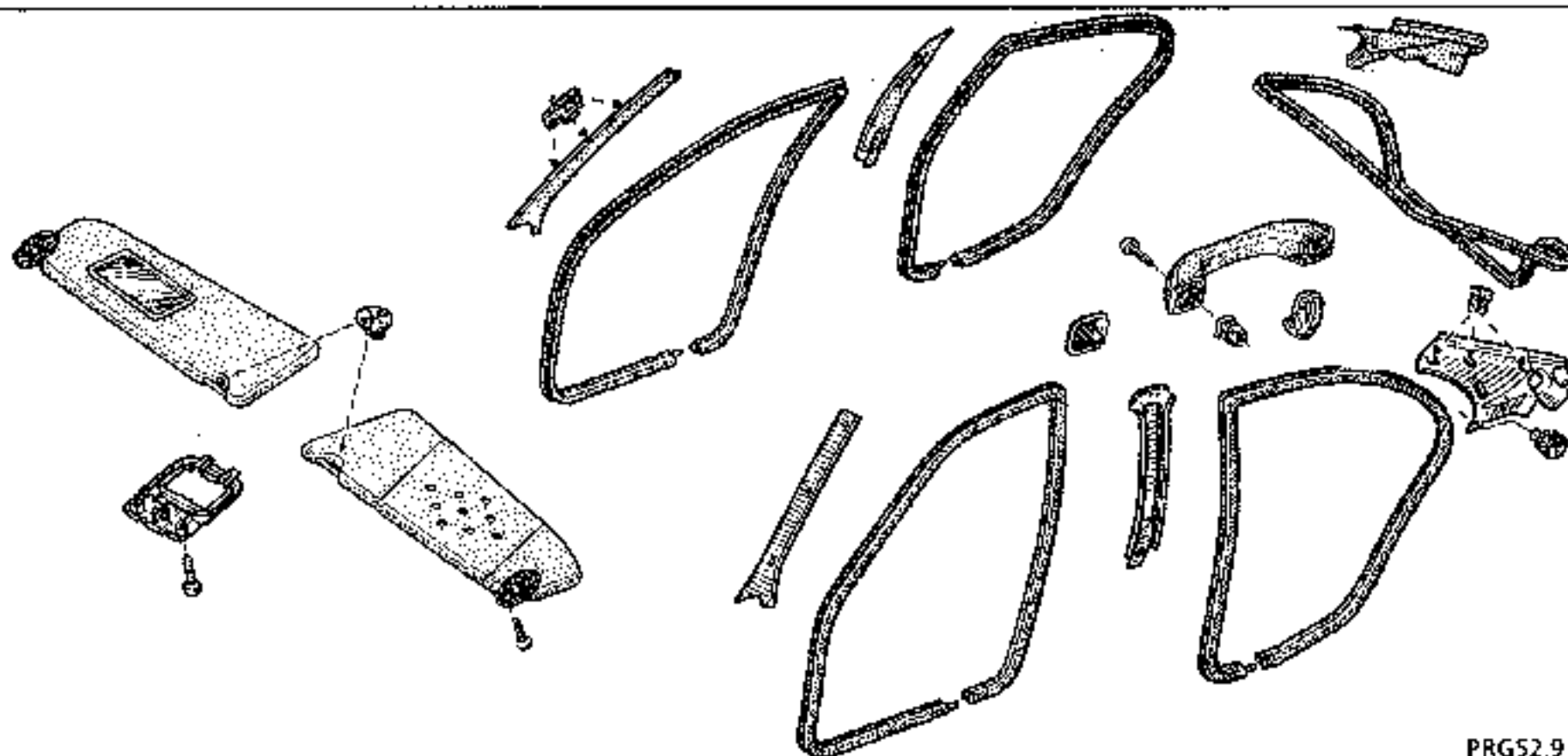
Using a screwdriver, separate the claws of the retaining clip without removing it from its position.

DESCRIPTION



PRG52.8

REFITTING



PRG52.9

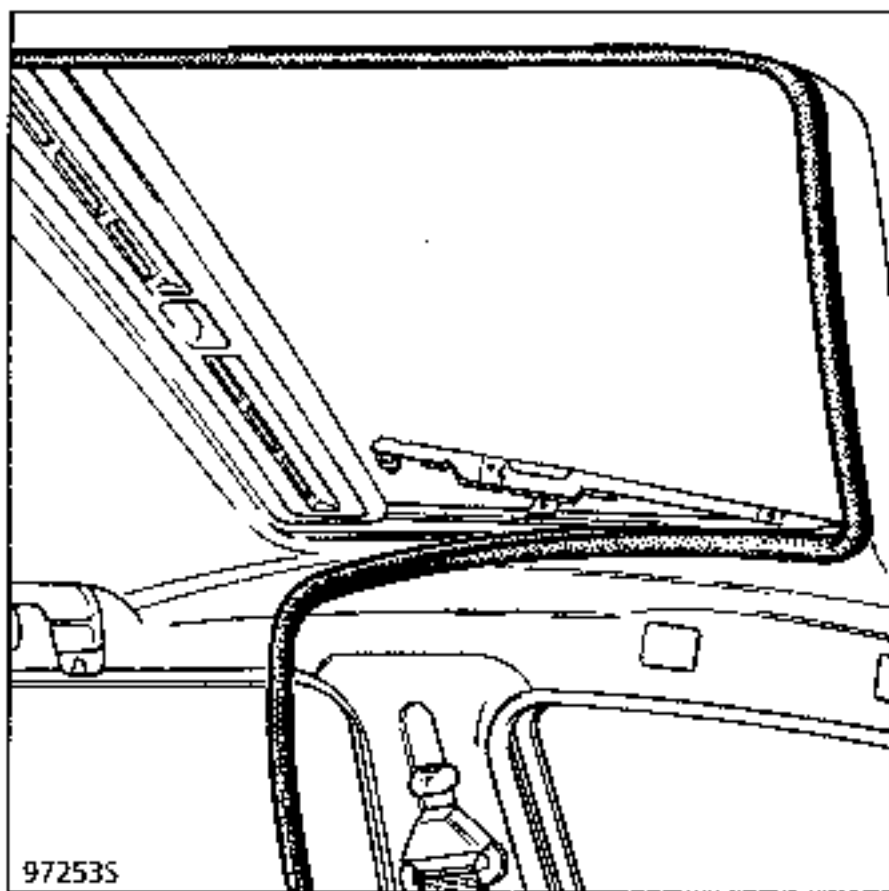
Disconnect the battery.

Remove :

- the door seals,
- the upper part of the tailgate seal,
- the roof console (see 58C),
- the courtesy lights,
- the grab handles (see 58A),
- the windscreen pillar linings (see 71E),
- the upper centre pillar linings (see 71A),

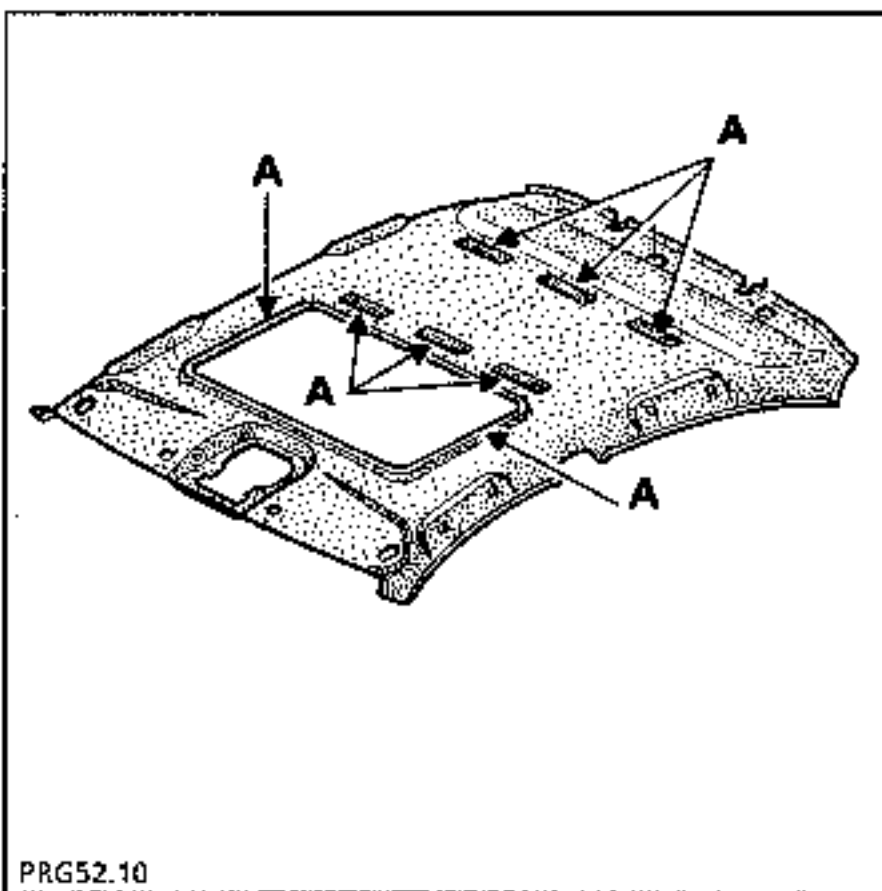
- the upper section of the rear quarter panel linings (see 71F),
- the front sun visors (see 58B),
- the rear sun screen retaining points (see 71F).

IMPORTANT : if there is a fault, the sunroof may be operated manually. To do this, remove the roof console and move the sunroof using a 4mm Allen key (see 52F)



97253S

Remove the interior seal.



PRG52.10

REMOVING THE HEADLINING

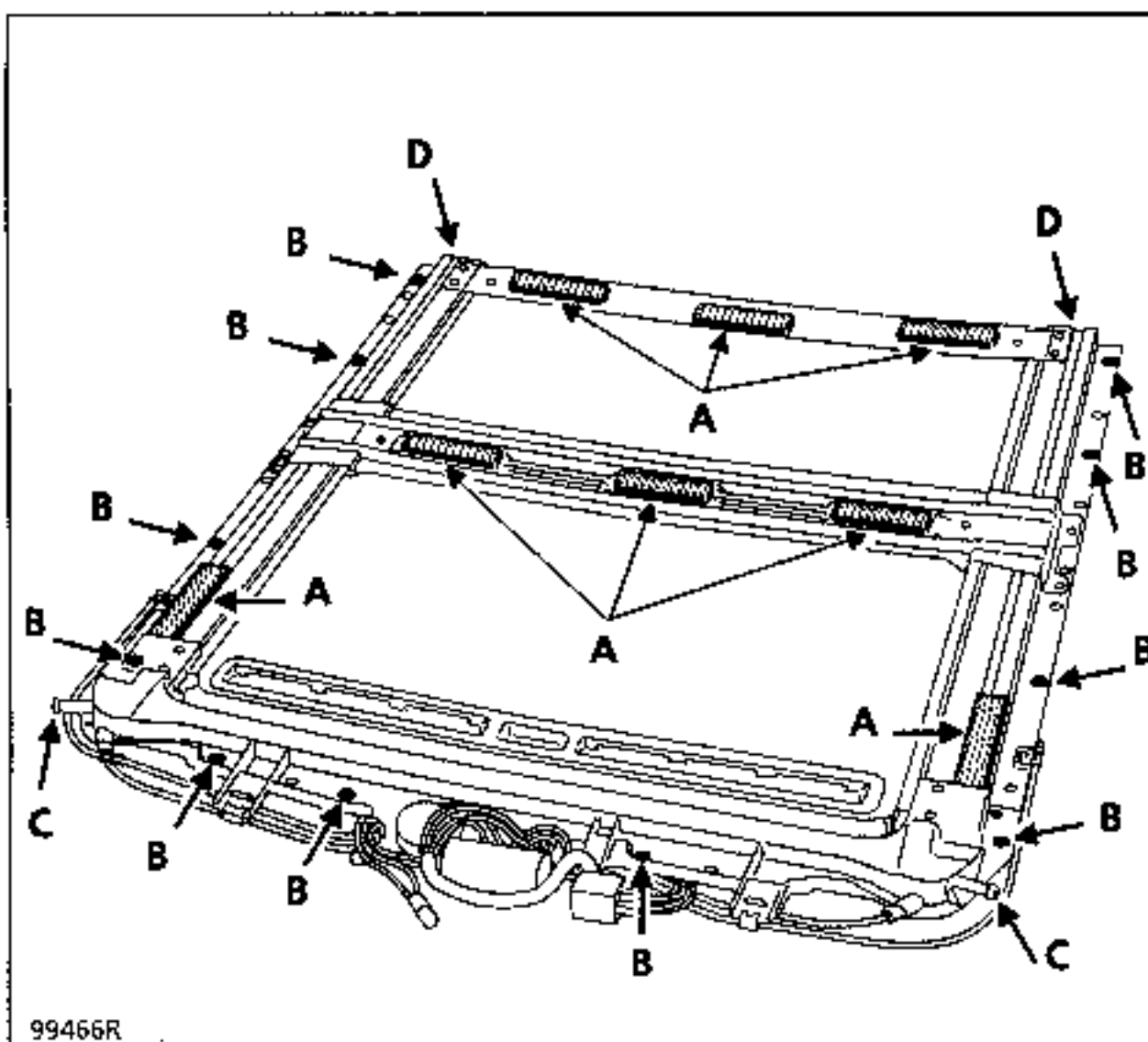
The lining is fitted using velcro (A).

Release the velcro fastenings.

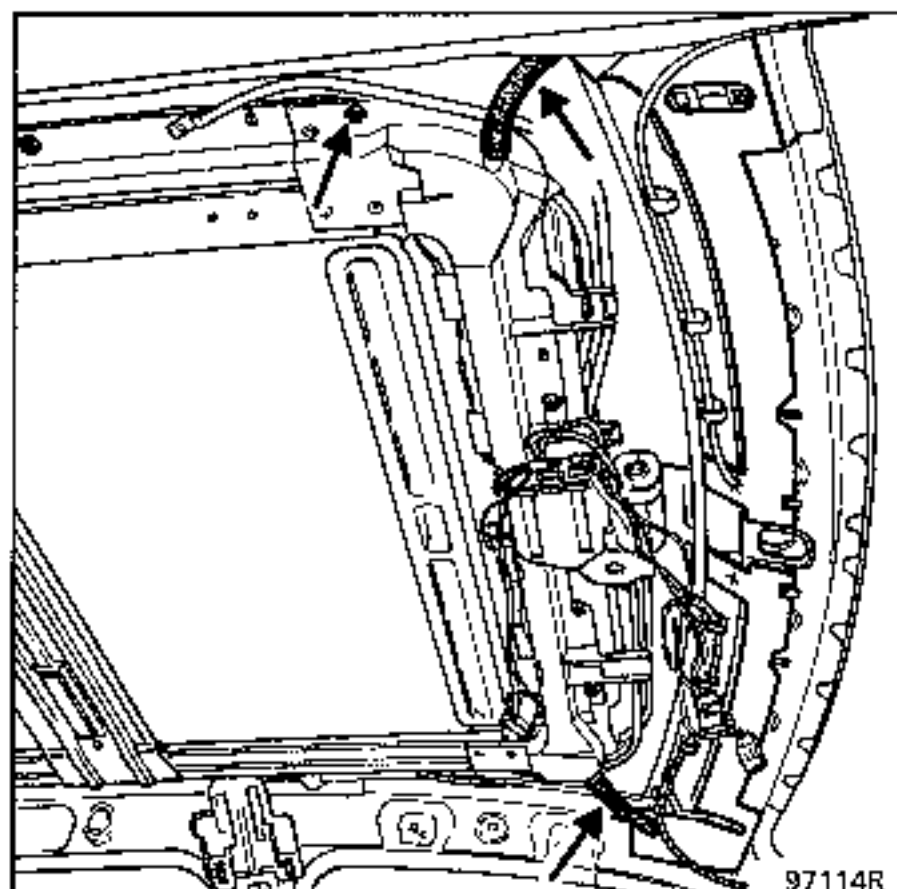
Remove the lining with care.

First of all, move the lining towards the windscreen so that the rear quarter panel linings can be released.

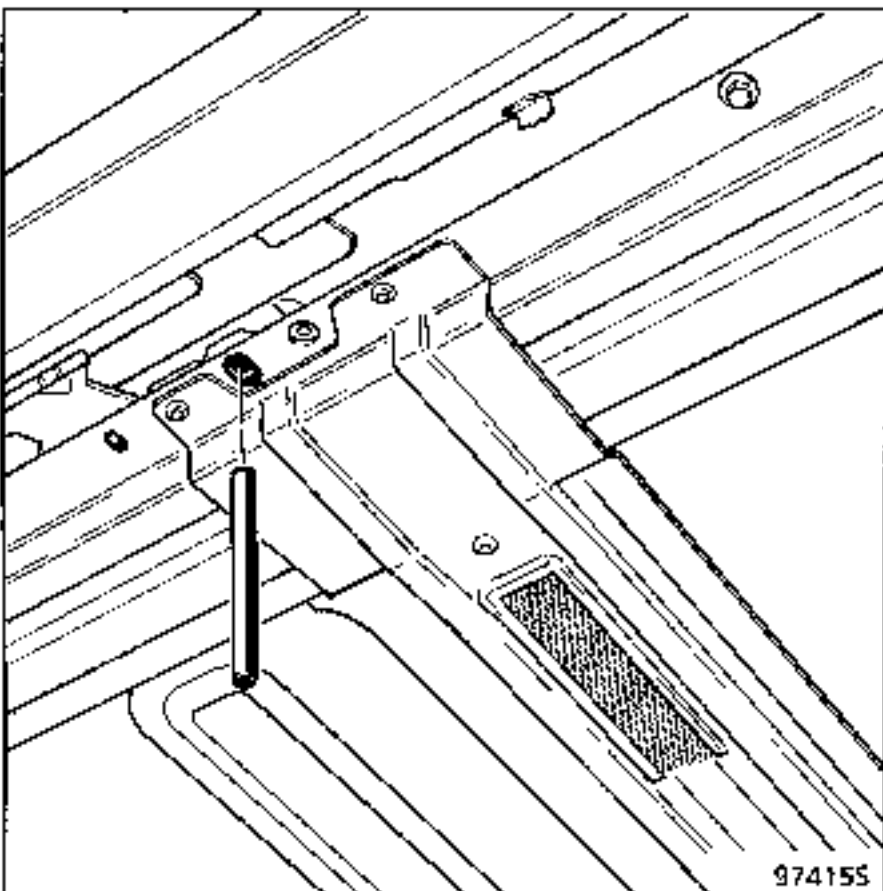
Fold the rear seats down and then remove the lining through the luggage compartment.



- A - Velcro fixings
- B - Cassette mounting
- C - Front drain channel
- D - Rear drain channel



Disconnect the front and rear drain channels.
Disconnect the motor wiring.
Remove the sunroof mountings and remove through the luggage compartment (two persons required).



REFITTING

Before refitting the sunroof, slacken the mountings for the sunroof panel.

Using two people, reposition the assembly and centre the sunroof using two 10 mm diameter pins.

Refit the mountings.

Tighten the sunroof mountings diagonally (M5 8mm Allen key)

IMPORTANT : remember to reconnect the drain channels.

NOTE: if a bolt does not fit its mounting hole, use a different hole.

Use the next hole - it is provided for this purpose.

After refitting:

- check and adjust the zero point (see 52 L),
- adjust the sunroof panel (see 52G),
- check the sealing and operation of the sunroof,
- refit the trim.

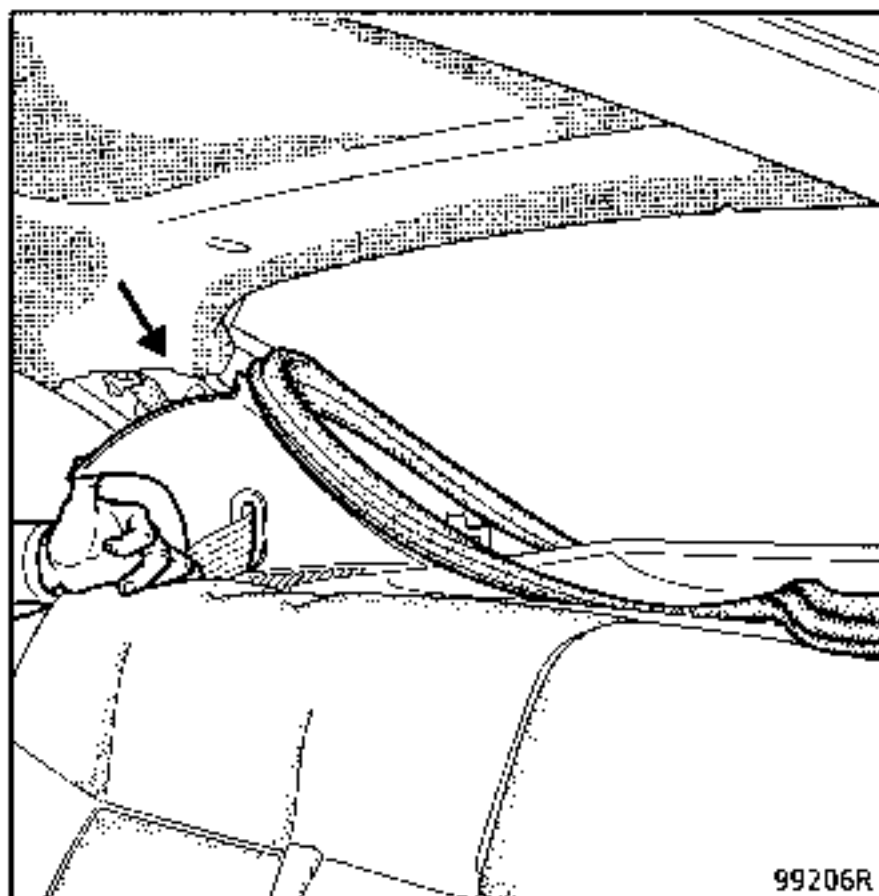
TIGHTENING TORQUES (in daN.m)



Sunroof bolt

0.5
(Maximum)

REFITTING THE HEADLINING



Bring the headlining into the vehicle via the luggage compartment. Bring it up as far as possible towards the windscreen, so that it may be fitted back under the upper sections of the rear quarter panel lining.

Fit the two sun visor retaining clips, ensuring the headlining is correctly positioned at the front of the vehicle.

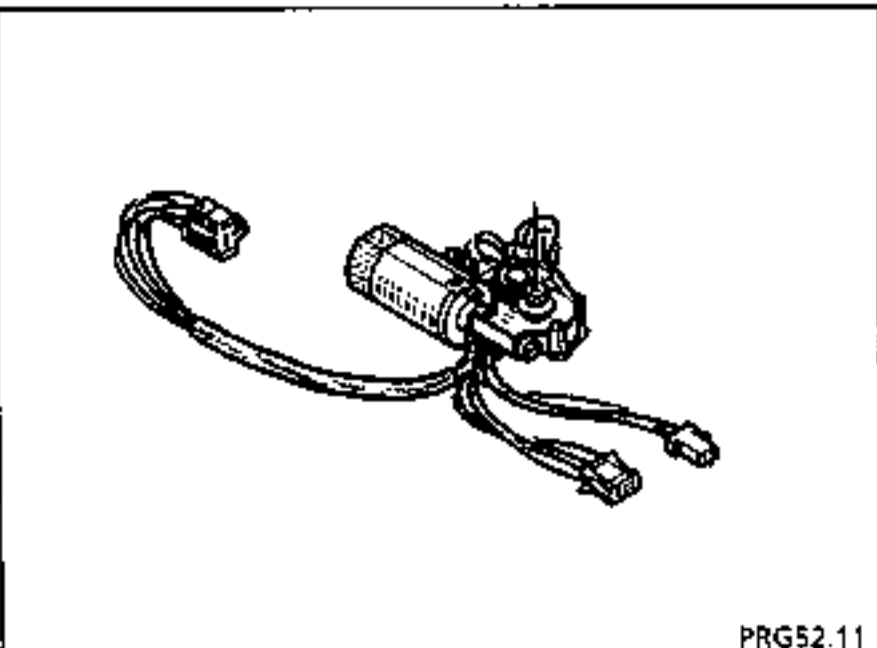
Flatten the lining against the roof to ensure the velcro fastenings are secure.

Reclip the upper sections of the rear quarter panel linings.

Position the interior seal using a flat screwdriver to slide the headlining under the seal.

Fit the interior seal, positioning the ends in the centre at the rear.

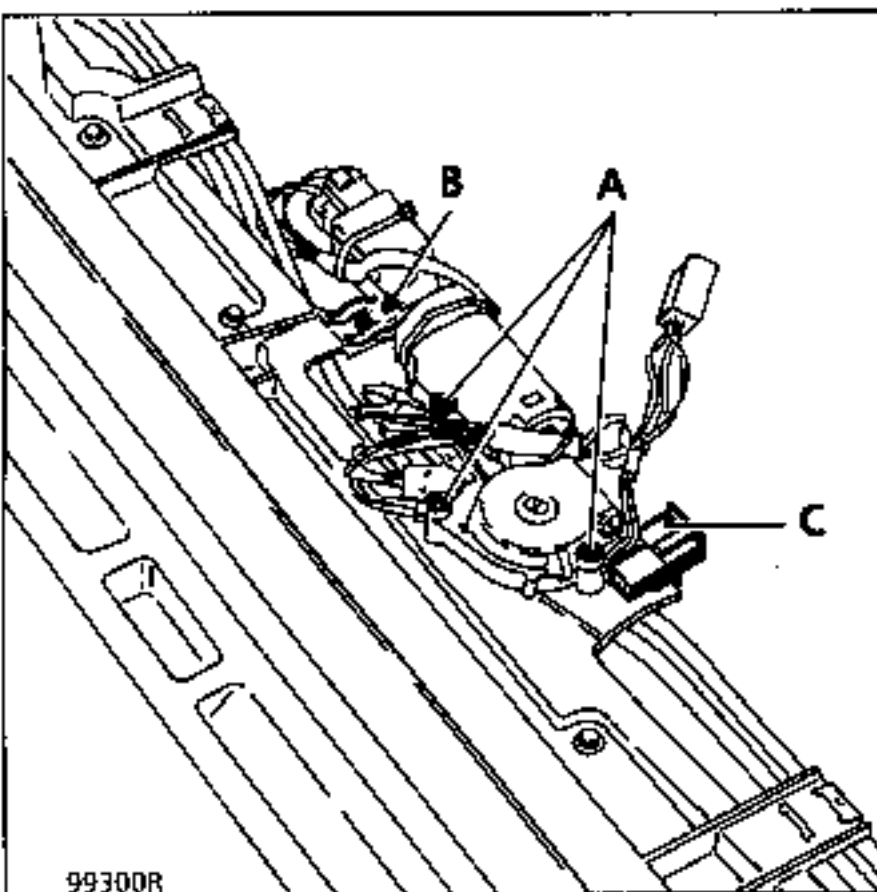
REMOVAL



In all cases of removal, check and adjust the zero points, the motor and the mechanism (see 52L).
For details on the anti-trapping system, see M.R. 307 section 87.

When replacing the motor, two cases may arise.
The motor is faulty when the sunroof is **open** or is **closed**.

1 - Sunroof closed



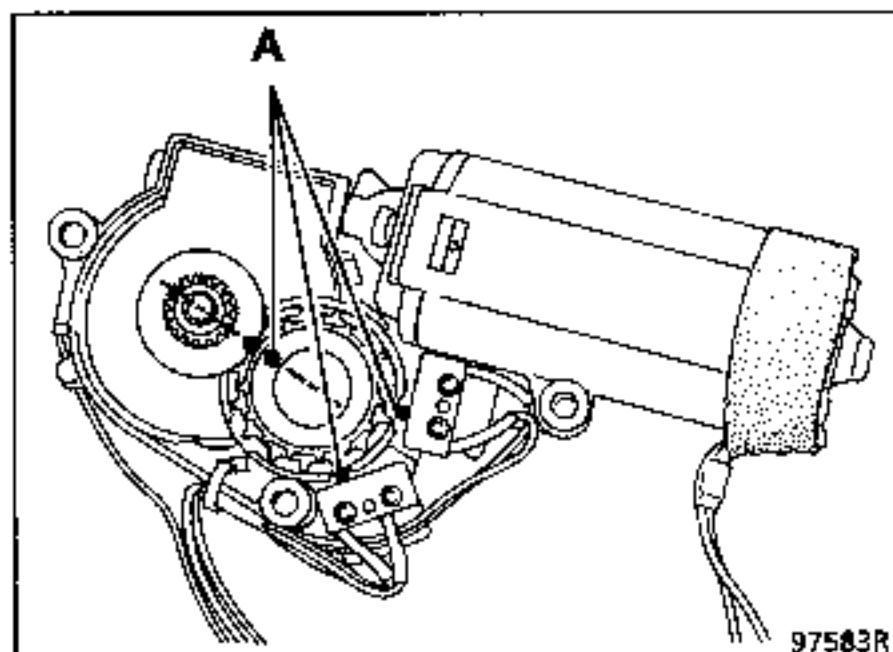
Remove :

- the roof console (see 58C) and the sunroof panel (see 52G),
- the three motor mounting bolts (A).

Unclip the relay (B) from its mounting on the cassette.

Disconnect and unclip the connector (C).

Remove the motor.



Check and adjust the motor zero point (if necessary).

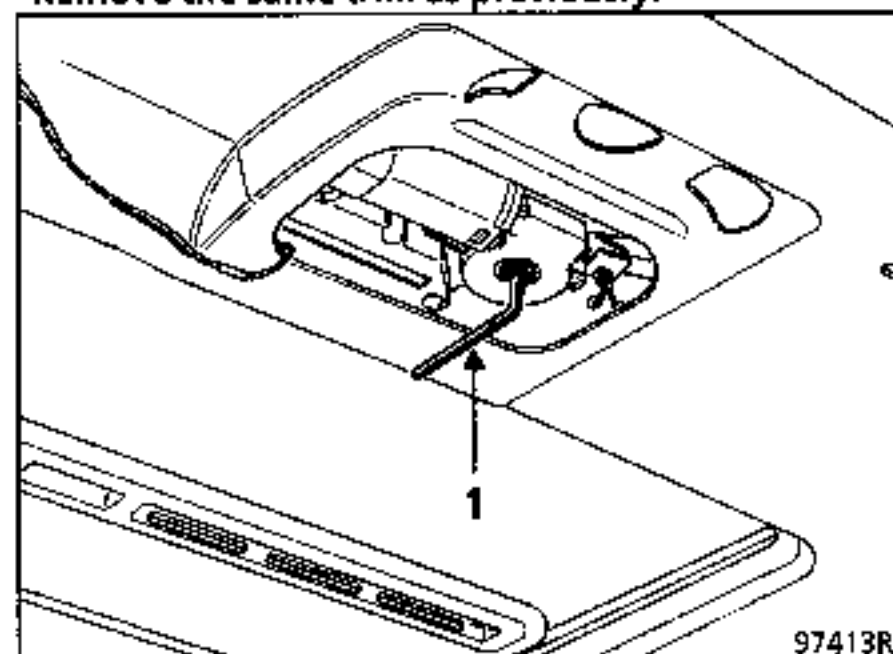
Whether the motor is new or not, the three points (A) must be in the position shown on the diagram above.

Determining the position is carried out by hand using a 4 mm Allen key .

Refit the motor and check the zero point of the mechanisms (see 52 L).

2 - Sunroof open

Remove the same trim as previously.

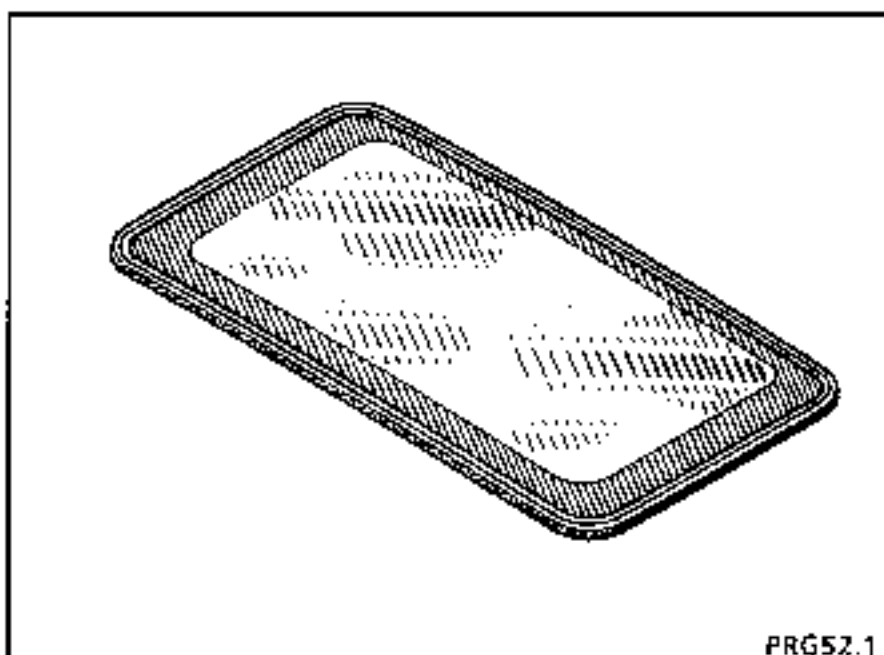


Close the sunroof manually using a 4 mm Allen key (1) and carry out the same operations as described above.

Once the motor has been refitting and the zero points adjusted, refit the sunroof panel.

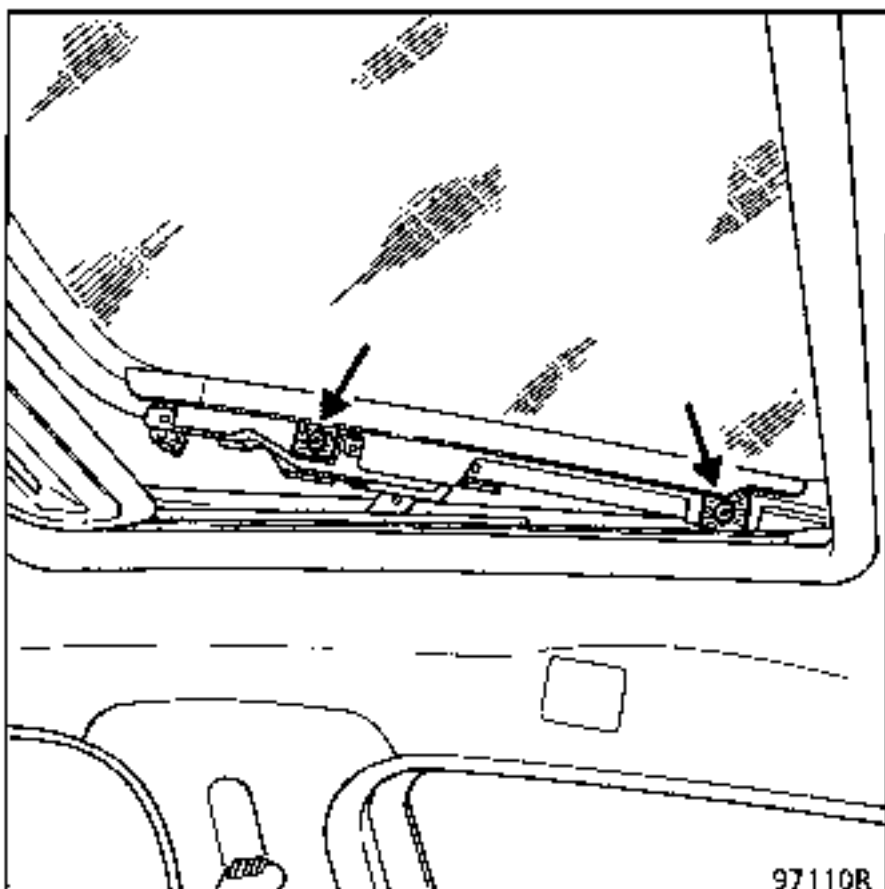
Adjust the sunroof panel (see 52G).

Test the operation and sealing of the sunroof before refitting the linings.

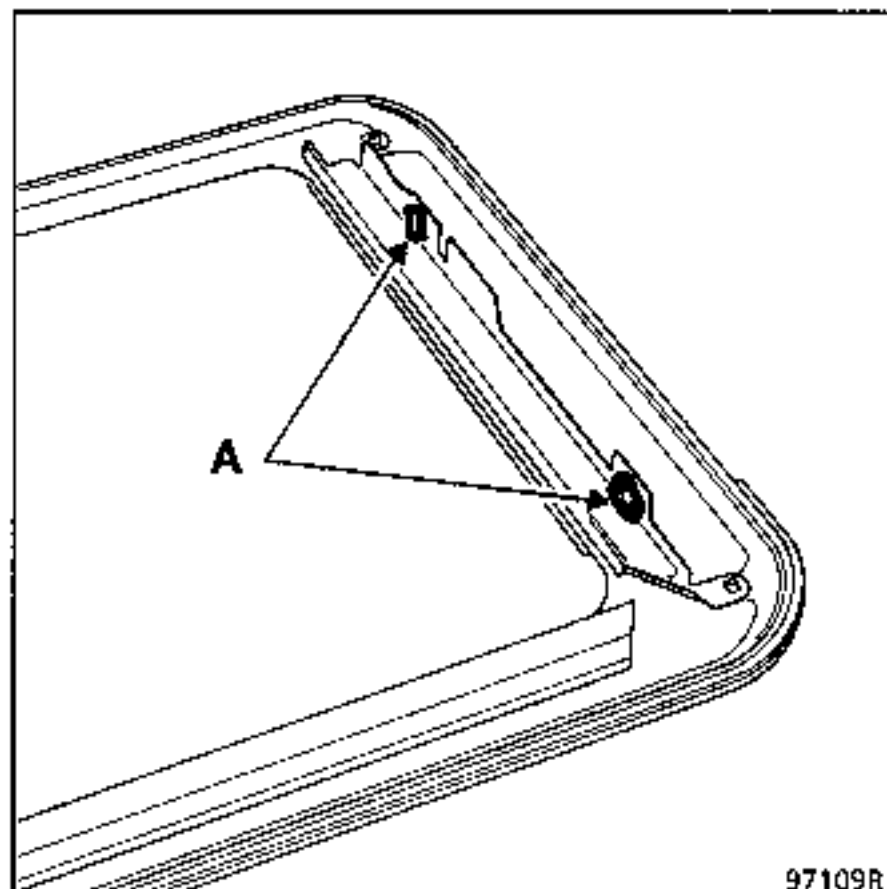


TIGHTENING TORQUE (in daN.m) 	
Mounting nuts	0.4 ± 20 %

REMOVAL



Remove the four mounting bolts.

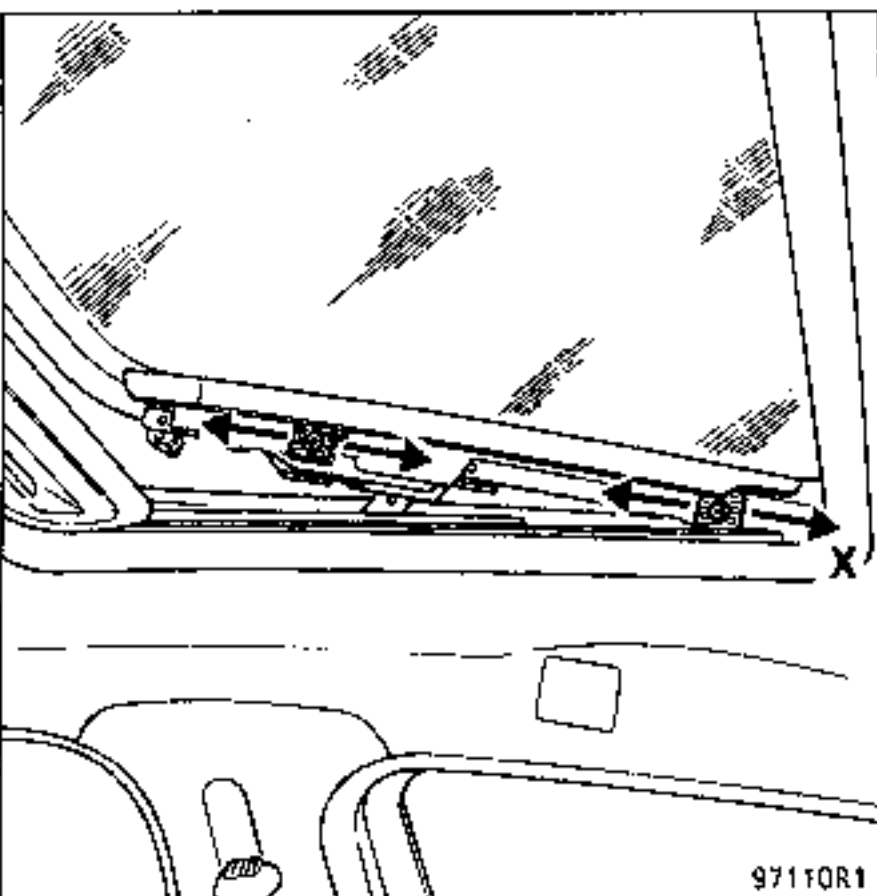


Take care to retain the four small blocks (A).
After refitting the sunroof, adjust the panel.

ADJUSTING THE PLAY AT THE FRONT, SIDES AND REAR

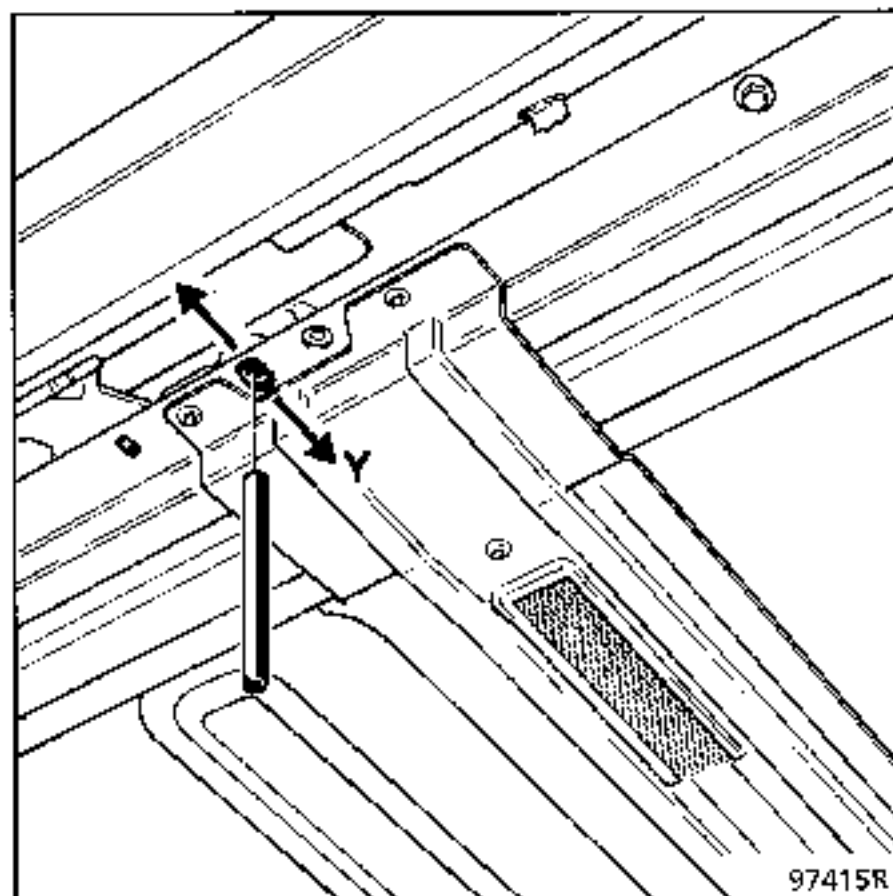
This operation must be carried out after removing the sunroof panel or the sunroof assembly.

IMPORTANT : before any adjustment, check the zero point (see 52 L)

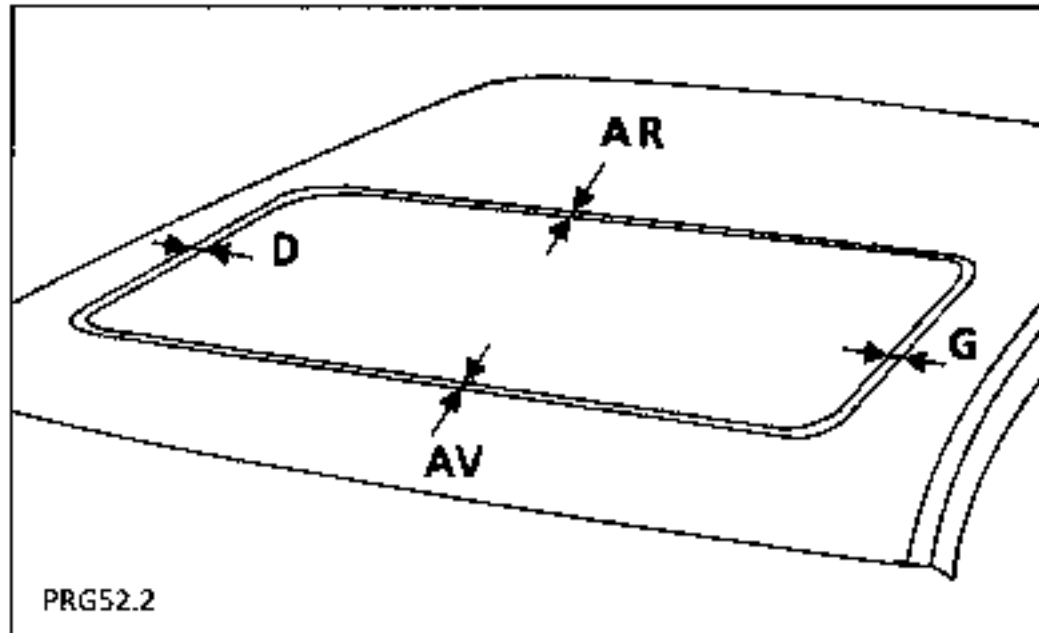


1 - Adjusting the front, side and rear play:

To make these adjustments, the panel must be in the closed position and the four mounting bolts should be slightly slackened so they may be adjusted in direction X.



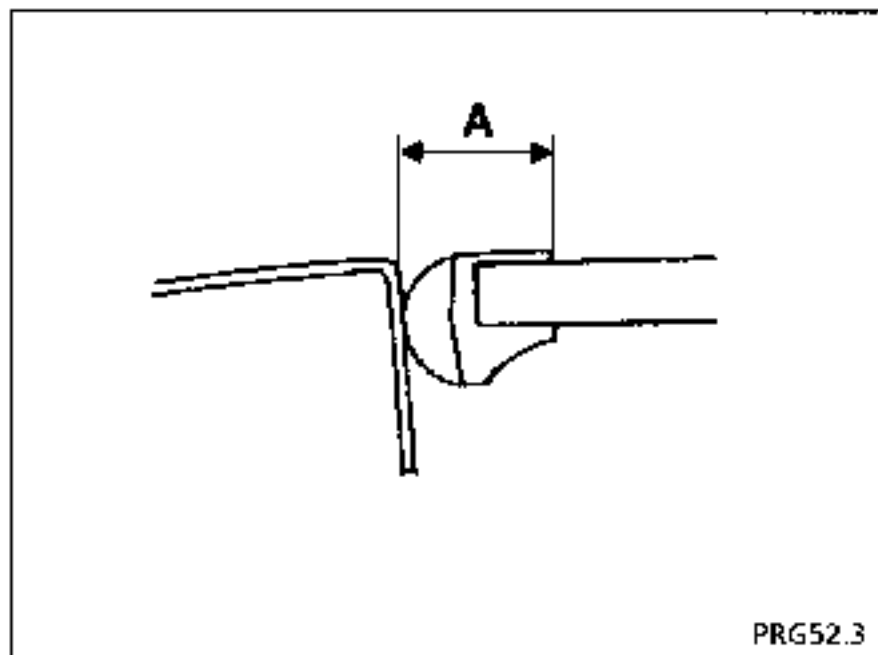
To adjust in direction Y, the sunroof mountings must be slightly slackened. Fit two 10 mm pins into the special openings to immobilise the cassette in direction X and adjust the panel's position in the Y direction.

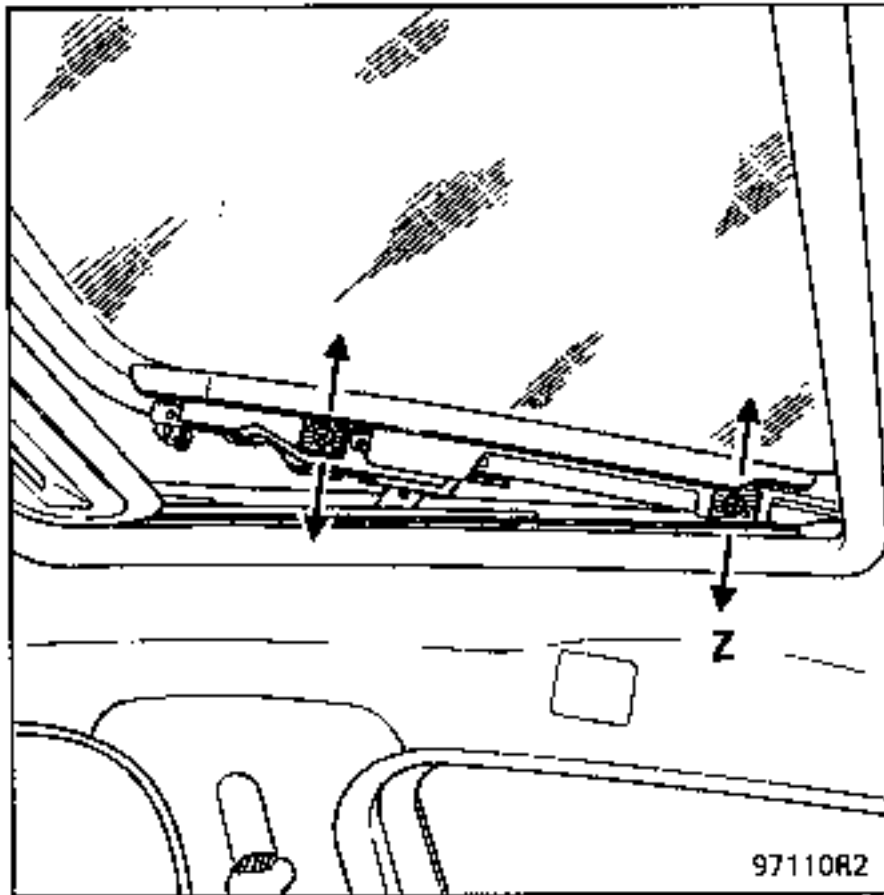


The play between the panel and the roof frame must be equally distributed between the front and rear and between the left and right hand sides.

Using a scale check the distribution of play at three points. Measurements should be made between the roof frame and the upper part of the moulding at (A) :

Front line: $15 \begin{smallmatrix} 0 \\ -1 \end{smallmatrix}$	RH line : 15 ± 0.5
Rear line: $15 \begin{smallmatrix} +1 \\ 0 \end{smallmatrix}$	LH line : 15 ± 0.5



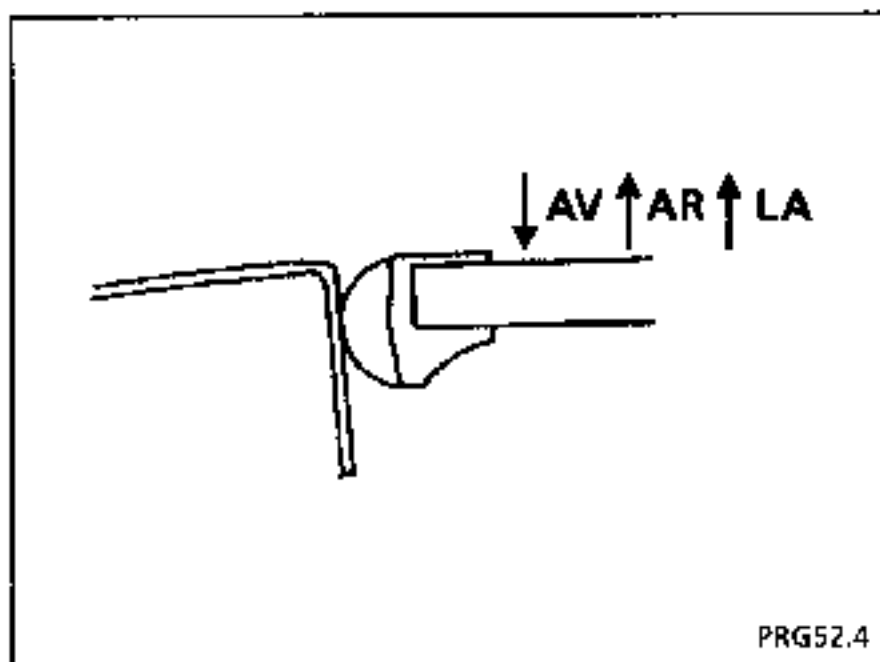


2 - Adjusting the height at (Z) :

Close the sunroof.

As for adjusting the front / rear clearance, adjust the bolts and the panel as shown above.

Position the scale on the roof frame and check the clearance of the sunroof panel.

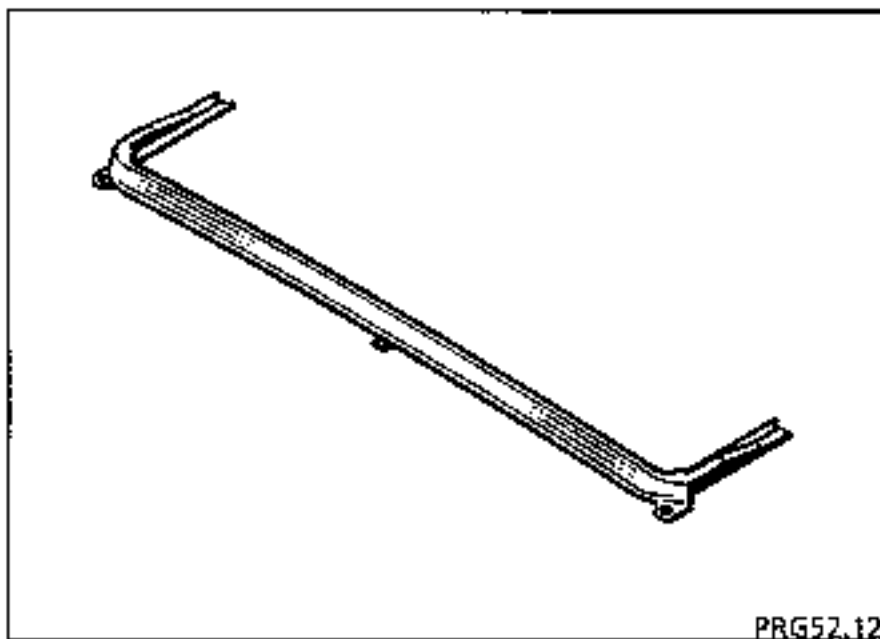


Adjusting height:

Rear tolerance: panel 1 mm above roof

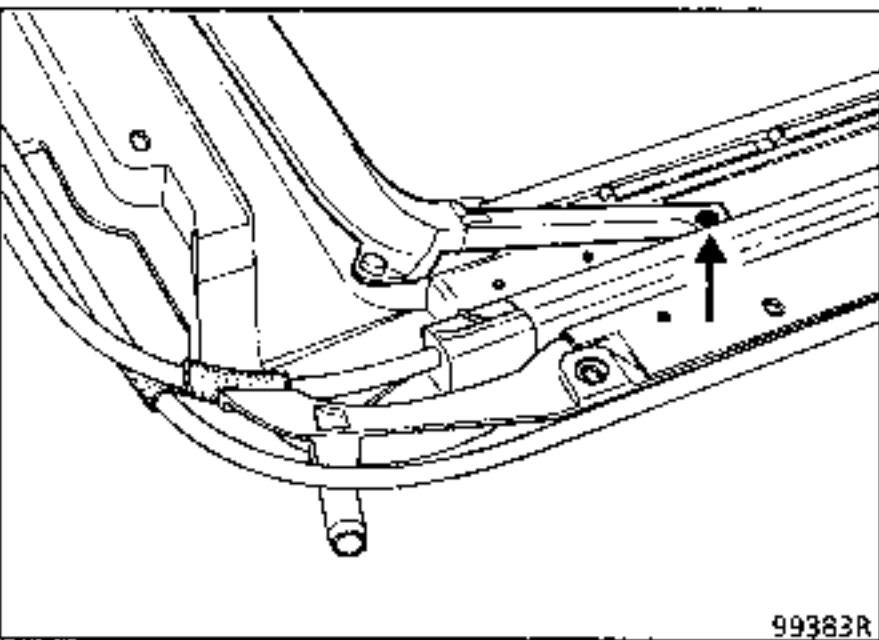
Front tolerance: panel 1 mm below roof

Side tolerance: panel 1 mm above roof



REMOVAL

Fully open the sunroof.

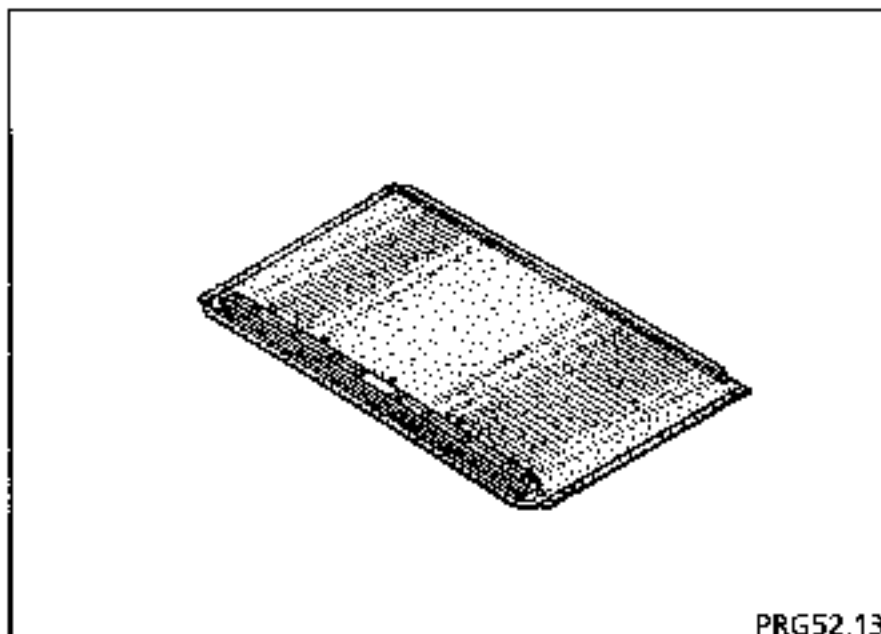


Once the shield is free, remove the rivet mounting on the cassette using a 3.8 mm diameter drill.

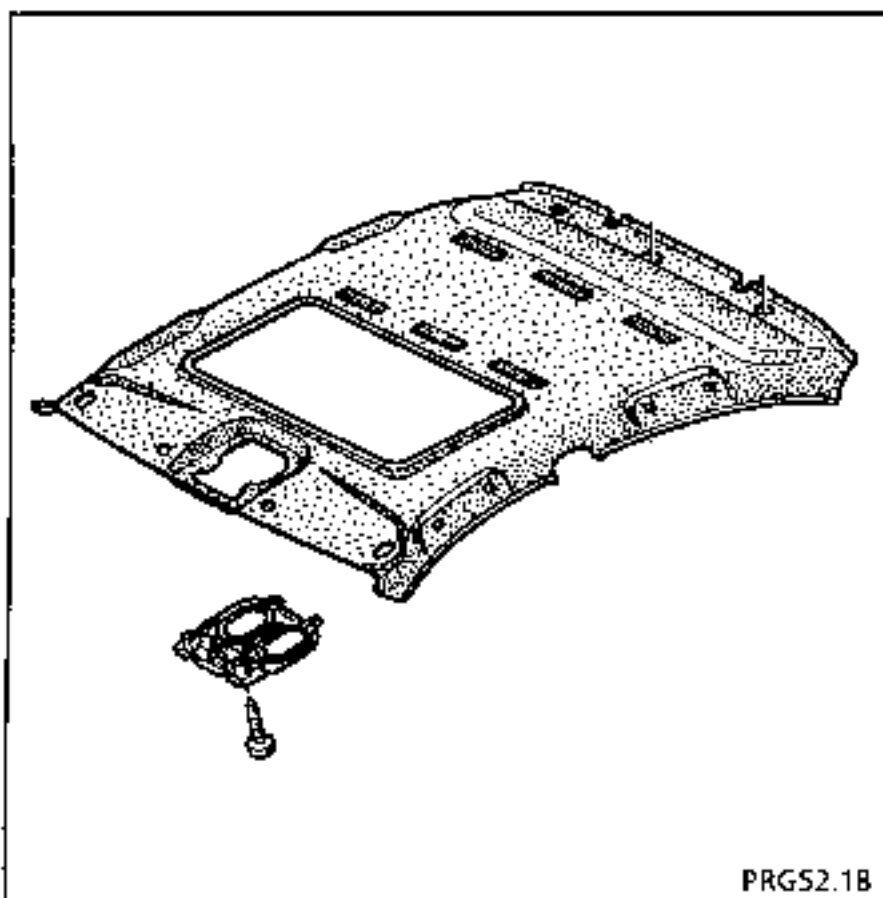
REFITTING

Fit the new shield and rivet it into position.

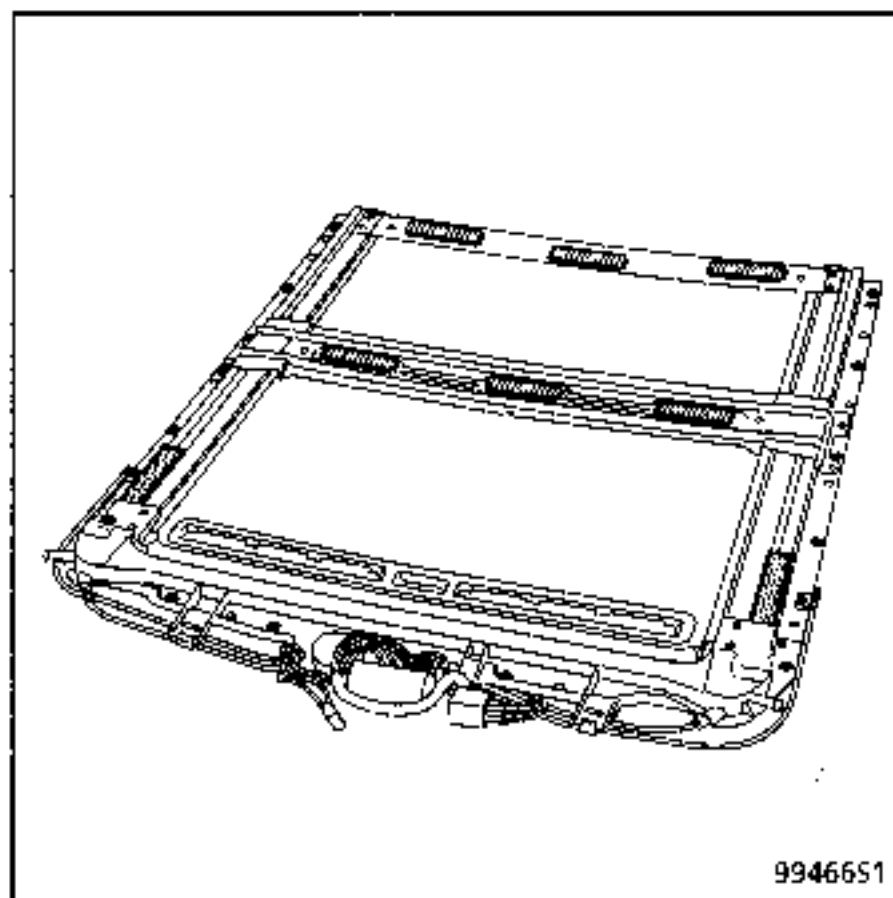
Test and refit the trim.



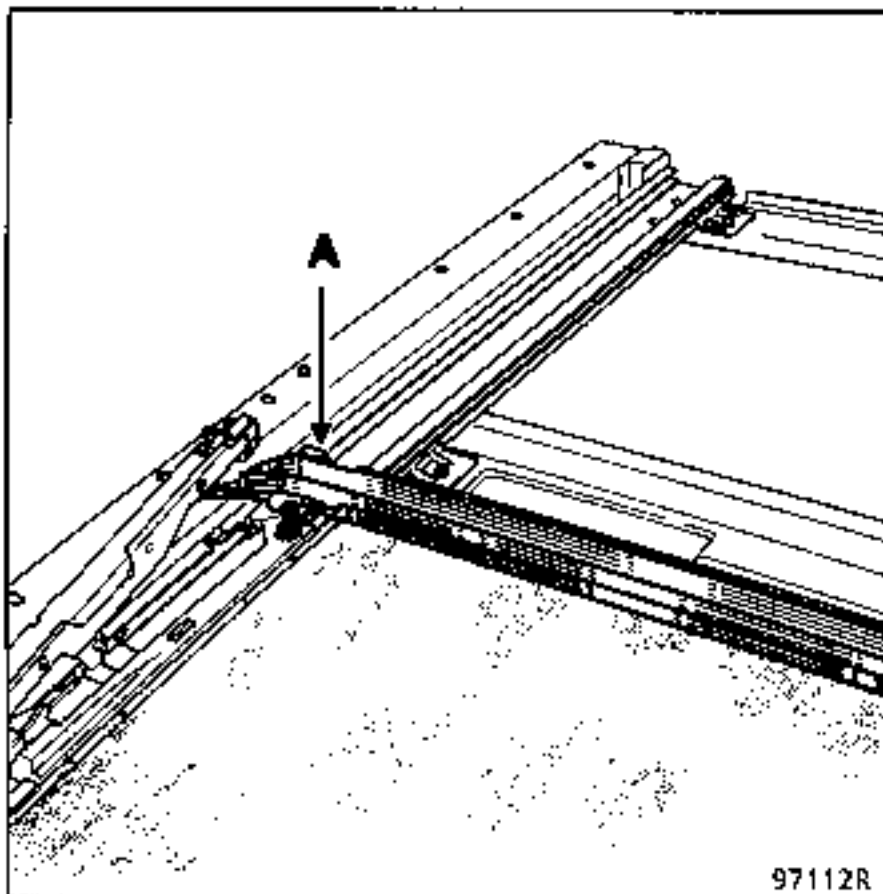
REMOVAL



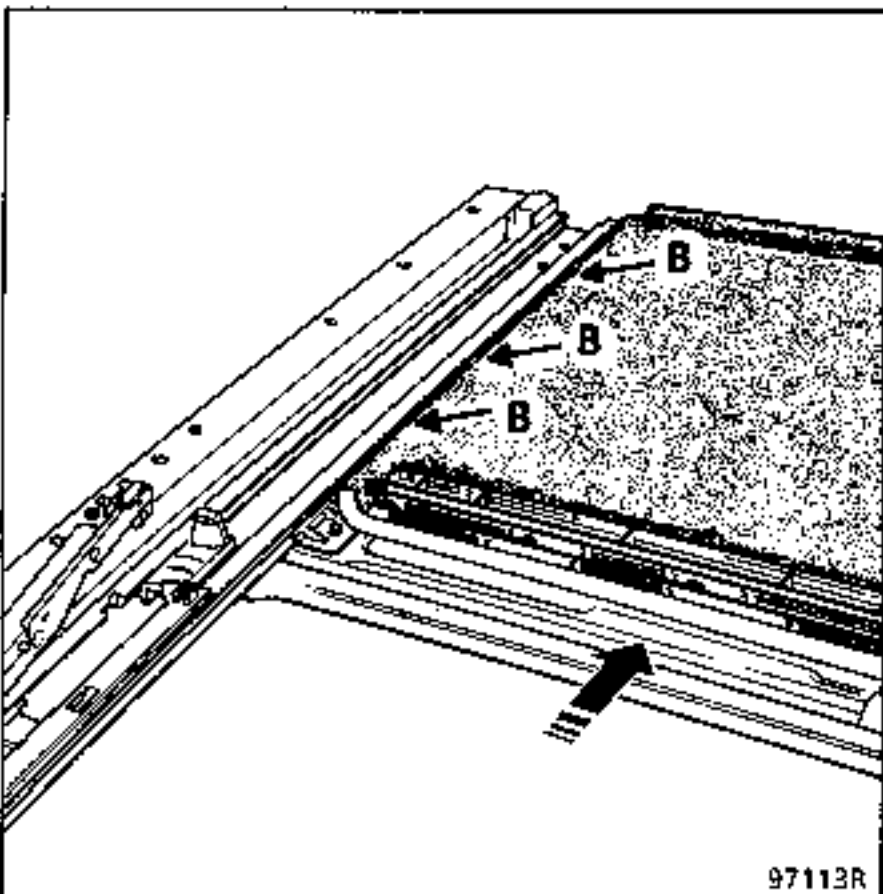
Remove the headlining (see 52 E).



Remove the sunroof cassette (see 52 E).



Remove the drain channel cross member.
Unclip at (A) on each side with care and remove the drain channel cross member.



Slide the sunroof screen carefully back towards the rear of the cassette, lifting it slightly in the centre to slide it over the rear cross member.

IMPORTANT : Take care not to damage the fabric of the screen on the rear cross member.

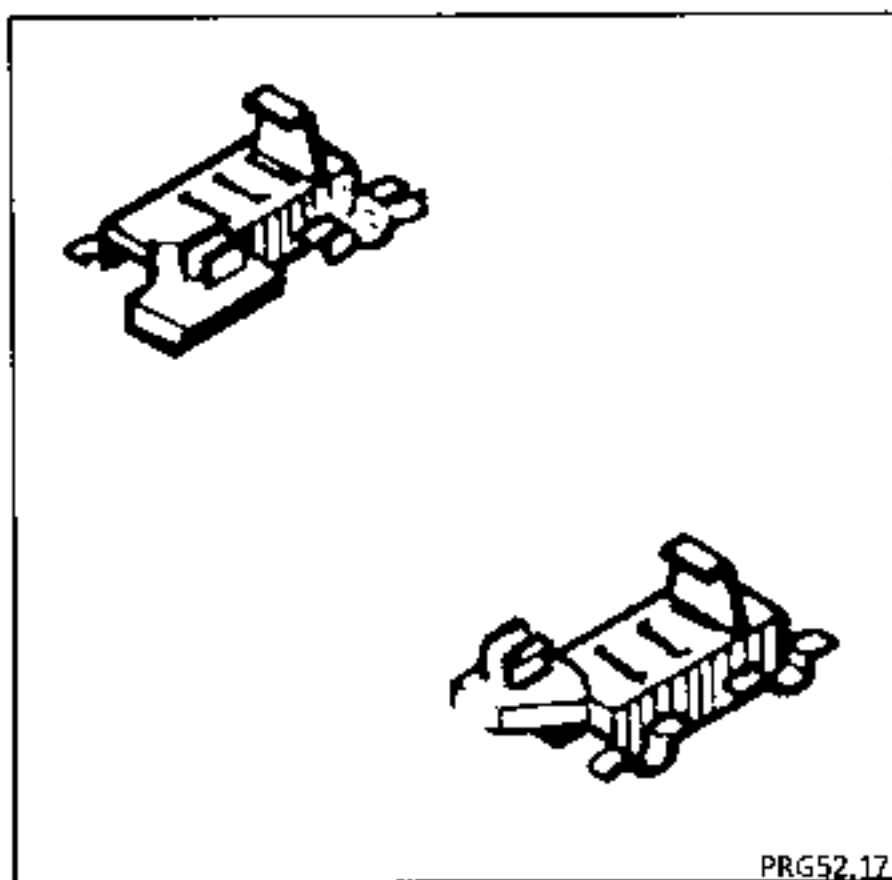
Lift the cross member slightly to facilitate passing the screen across.

REFITTING

Refit the new screen, taking care not to dislodge the six sliders (B) which help the screen to slide in the runners of the cassette.

Take care not to damage the clips at the side.
Refit the the drain channel cross member.

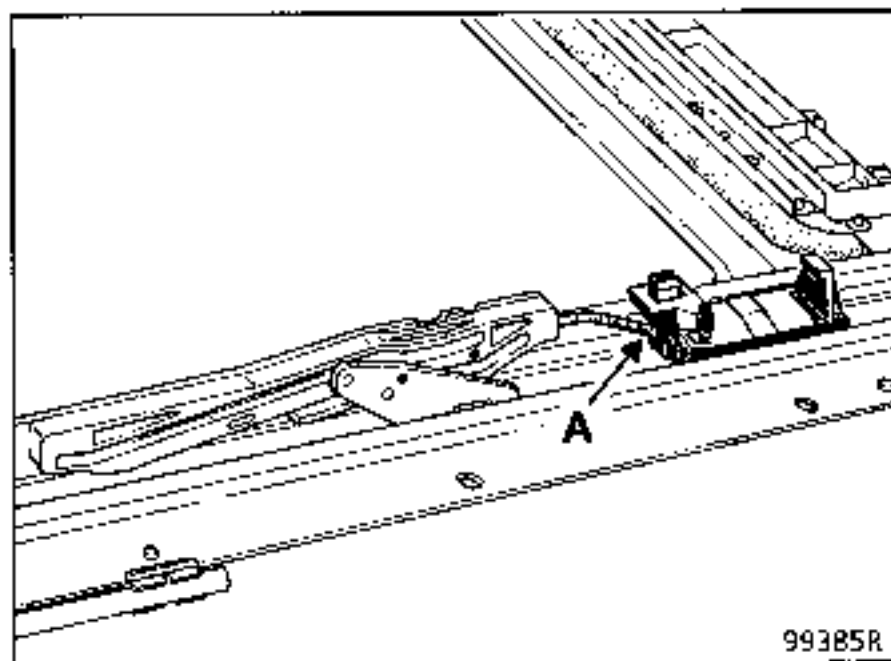
Refit the sunroof, test and refit the trim.



REMOVAL

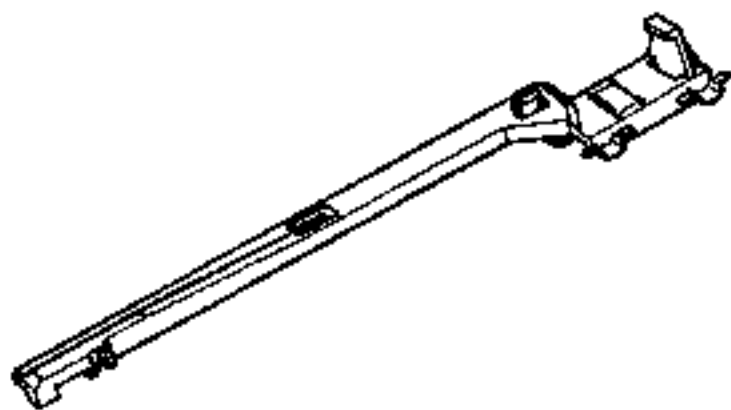
Remove :

- the sunroof completely (see 52E),
- the drain channel cross member (see 52J).



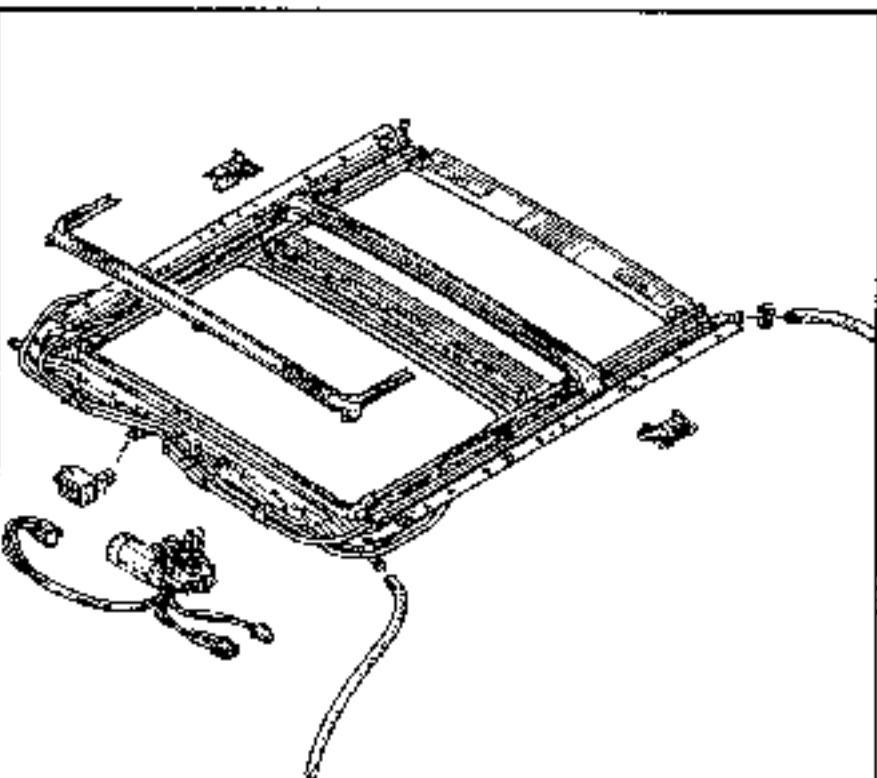
Unclip the drive linkage (A).

Push the mounting towards the rear to release it from the runner.



PRG52.14

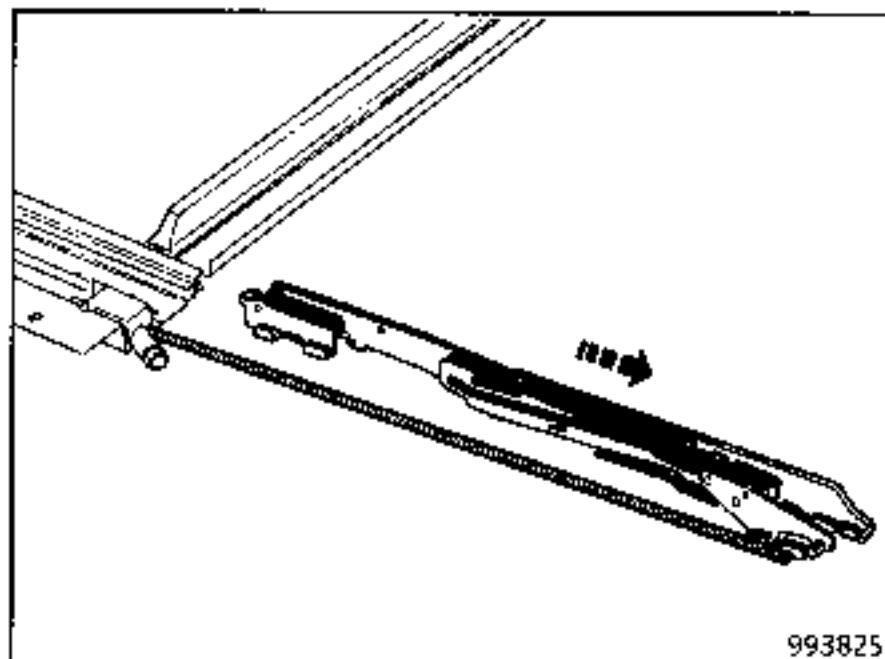
REMOVAL



PRG52.15

Remove :

- the sunroof (see 52E),
- the sunroof motor (see 52F),
- the drain channel mounting (see 52K).



993825

Slide the drive bar towards the rear cross member and release it from the cassette together with the drive cable.

REFITTING

After fitting the bar into position on the cassette, follow the procedure for adjusting the zero point (see following page).

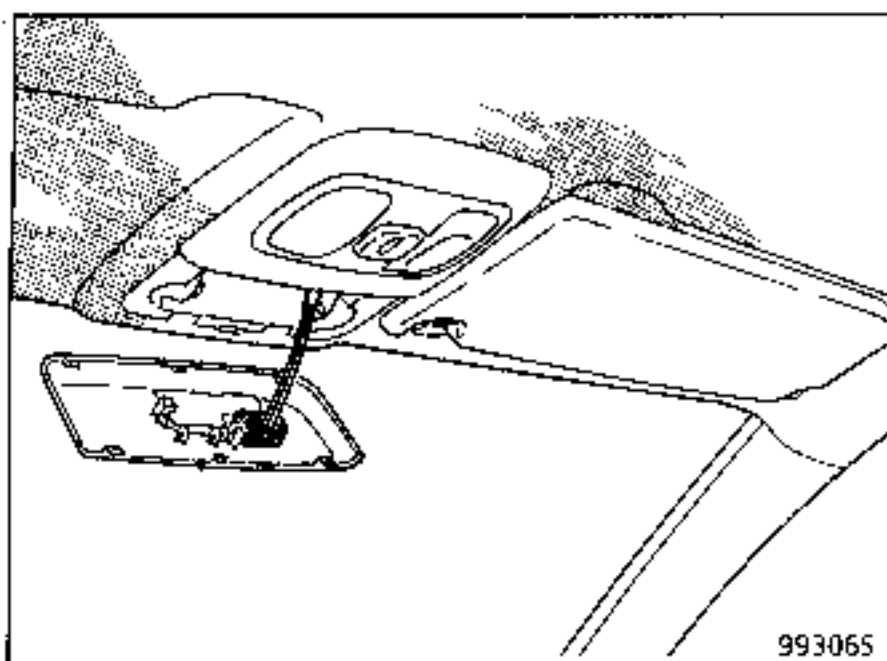
ADJUSTING THE ZERO POINT

IMPORTANT : This adjustment must be carried out whenever the various components of the sunroof are removed and refitted.

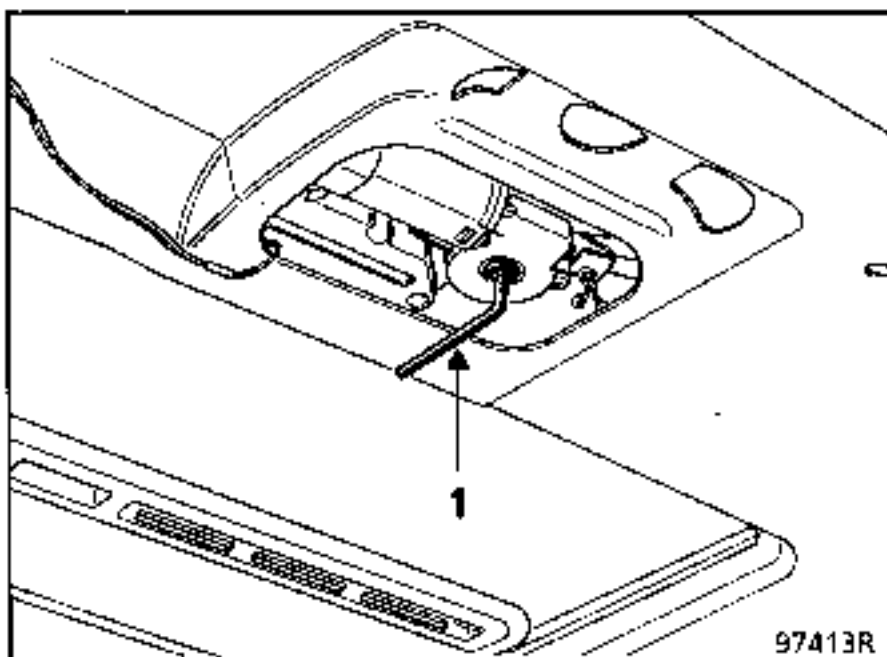
SPECIAL TOOLING REQUIRED

Elbow wrench	4mm Allen key
Elbow wrench	Type FACOM Torx 89-10

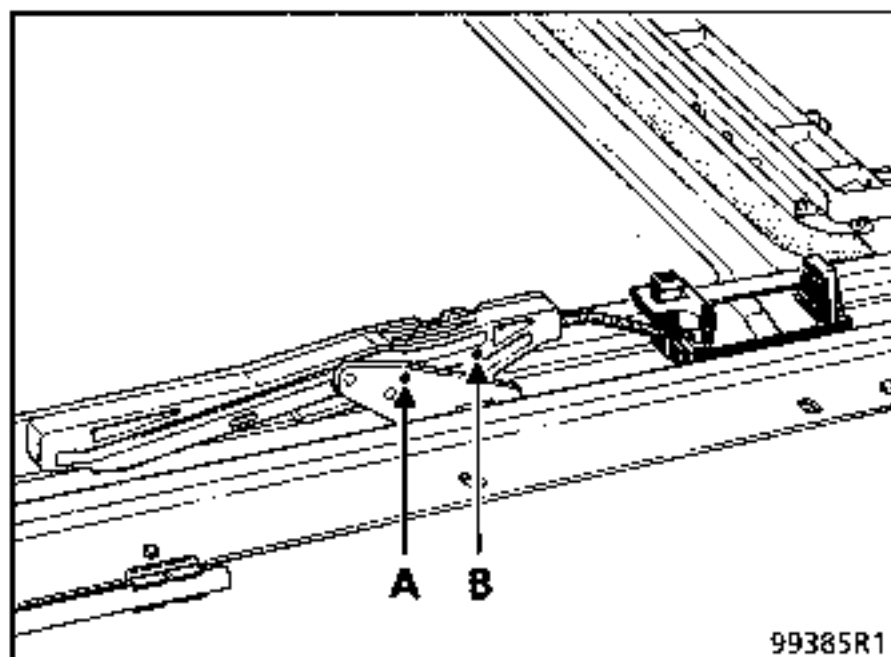
Remove the sunroof panel (see 52 G).



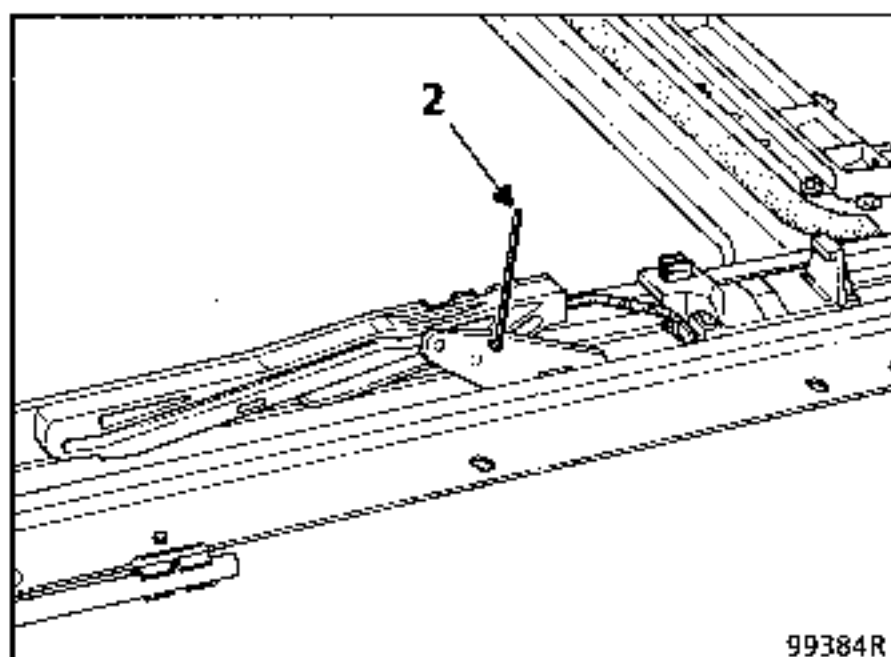
Remove the roof console so the motor may be reached.



The sunroof is moved manually using a 4 mm Allen key as shown above (1).



View of holes (A) and (B).



Manually move the sunroof mechanism so holes (A) and (B) are aligned perfectly. Check this alignment using an elbow wrench of Type FACOM Torx 89-10 as shown above (2).

Without moving the mechanisms, carry out the same test on the other side. If the holes are not correctly aligned, remove the motor and manually align the holes.

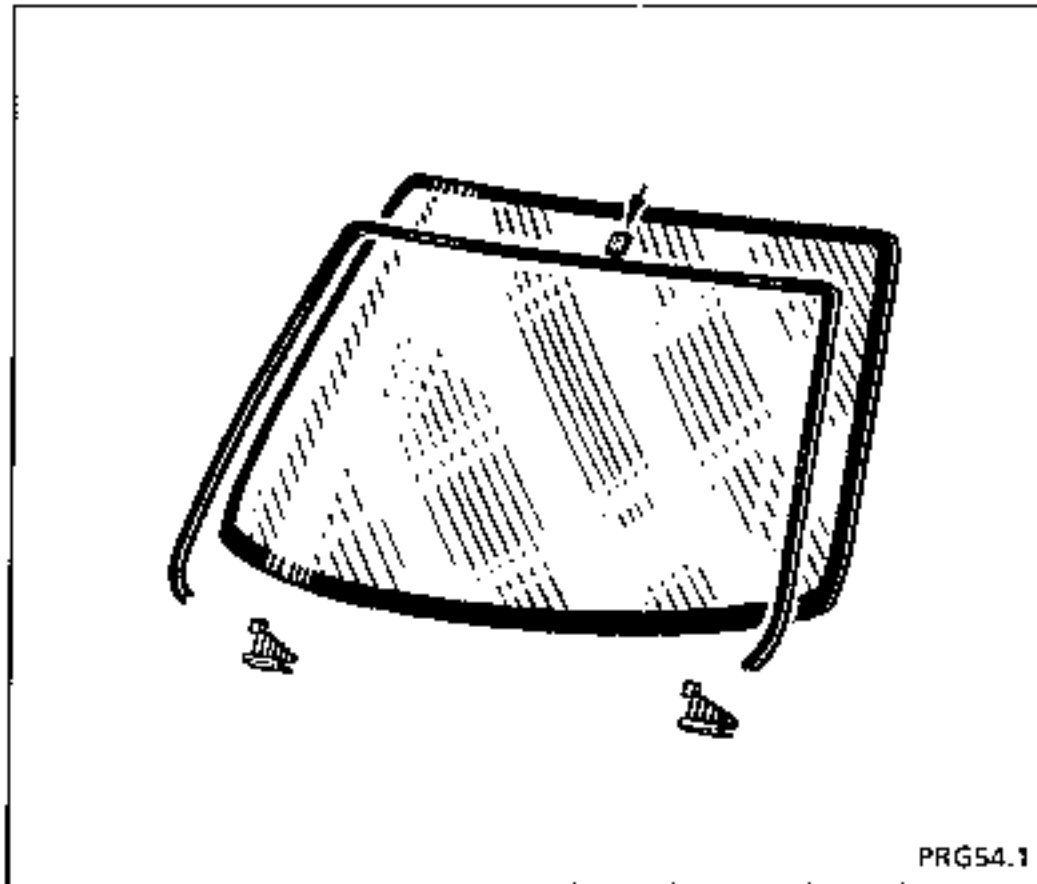
Check the other side again.

When both sides are correctly aligned, refit the motor; refit the sunroof panel and adjust it (see 52G).

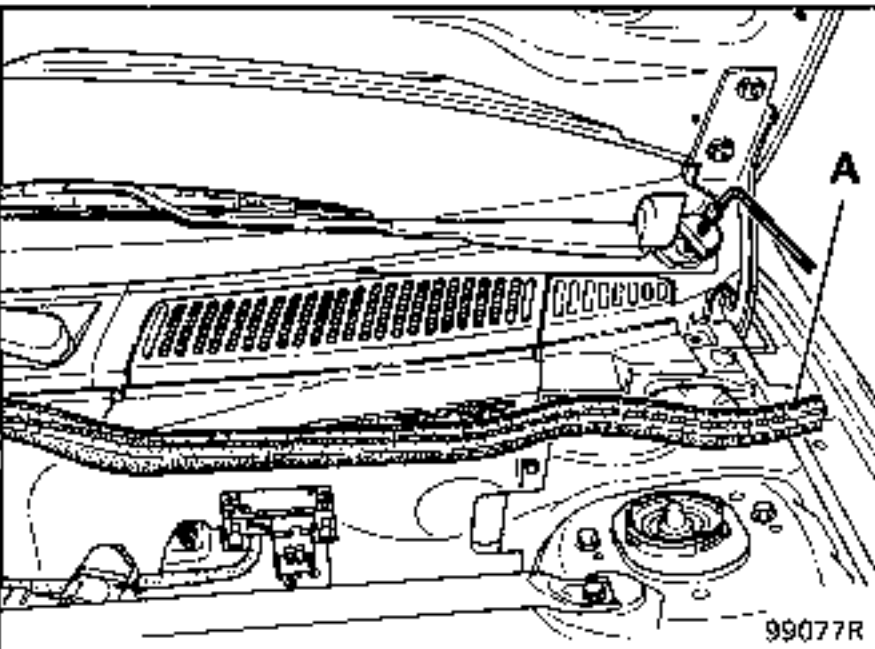
Test the sunroof operation and sealing.

NOTE : The sunroof should operate in all positions after adjustment, without the need for manual operation of the sunroof panel.

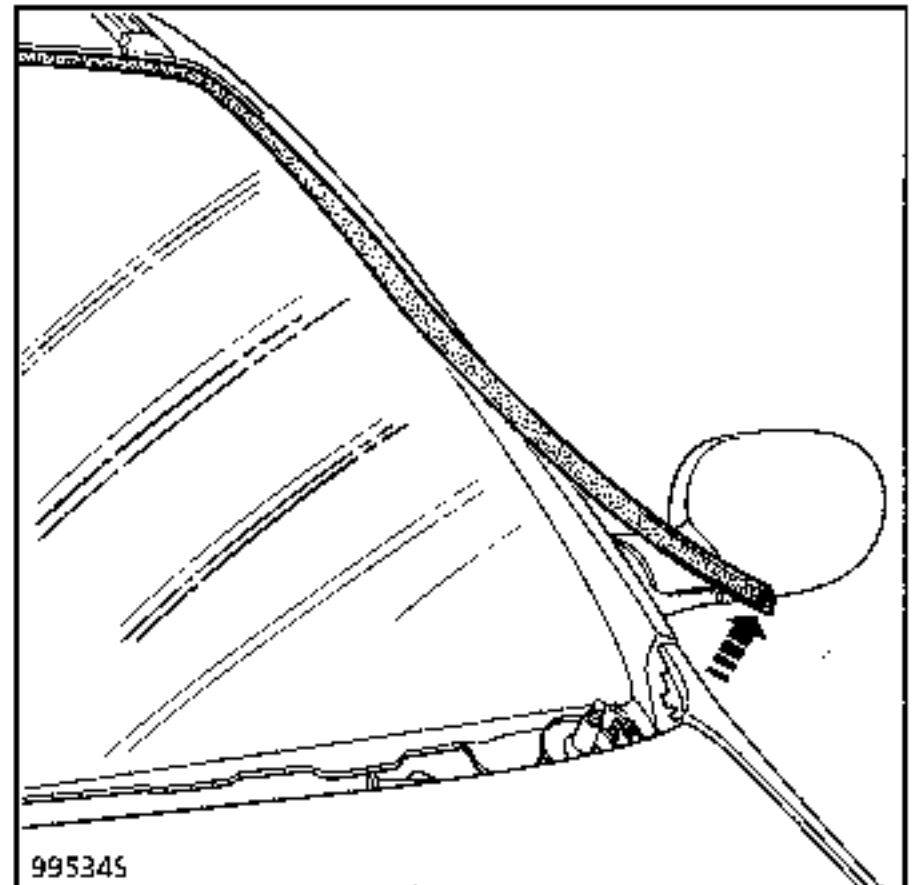
Remember to check the motor zero point.



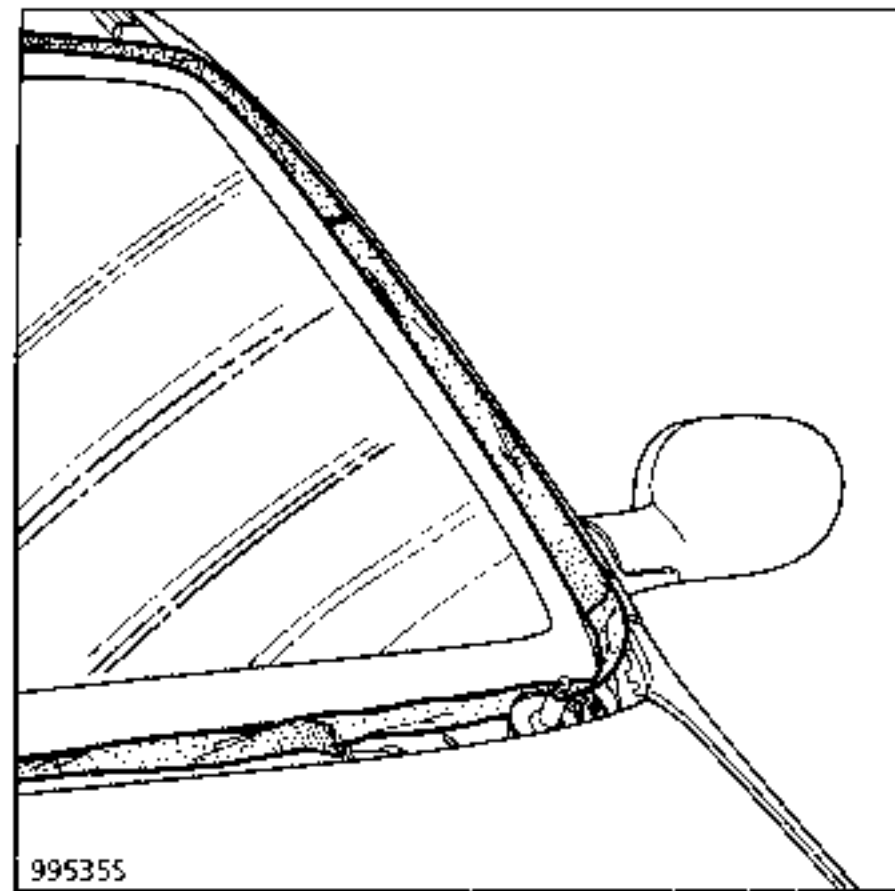
REMOVAL



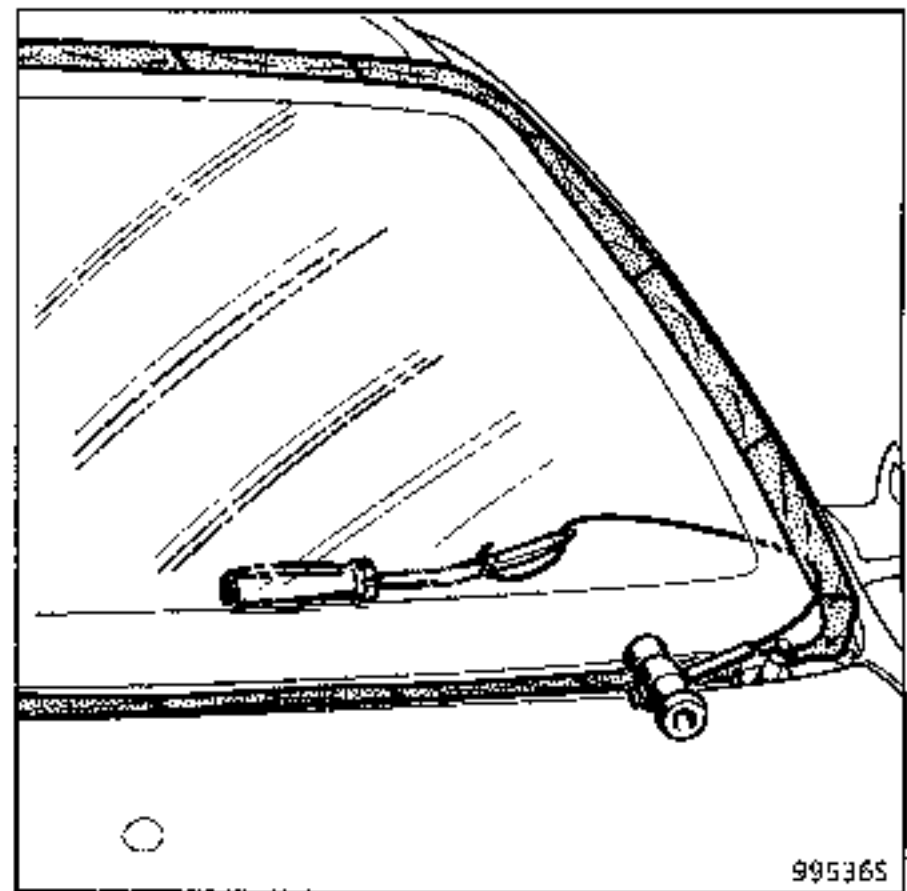
- Remove:
- the windscreen wipers (remove the arms using tool Elé. 1294),
 - the seal (A),
 - the scuttle panel grille (see 55G),
 - the interior rear view mirror (see 58D),
 - the windscreen pillar linings (see 71E).



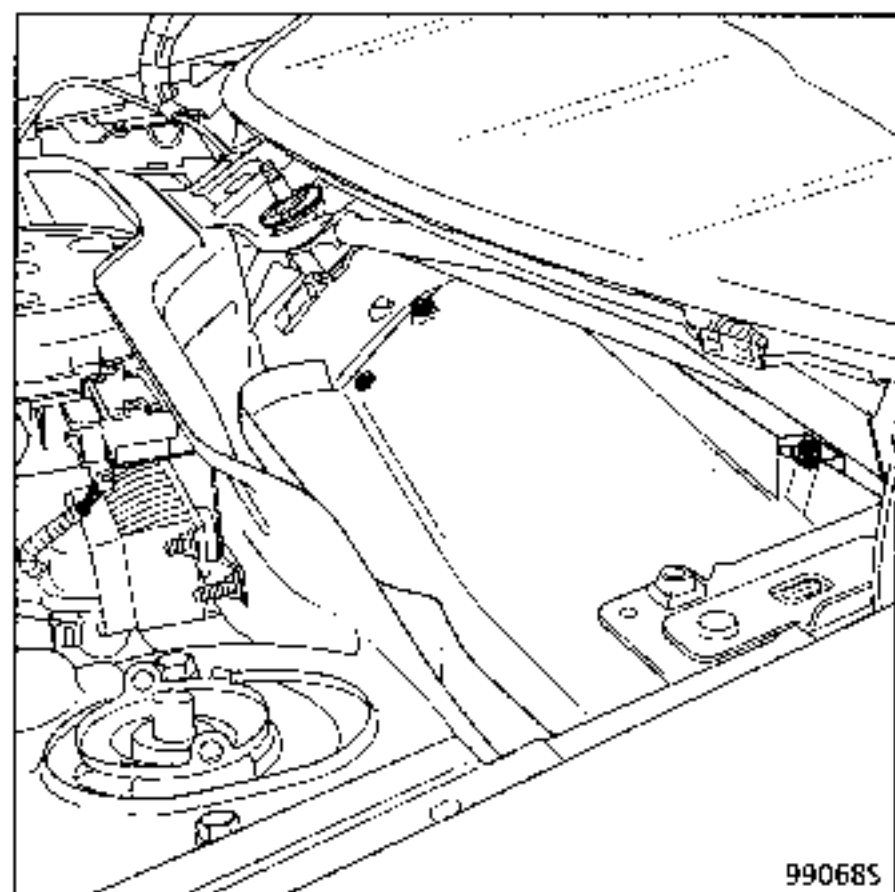
Remove the exterior trim, beginning by releasing the trim at the bottom of the windscreen aperture.



Apply masking tape to the edge of the roof and the windscreen aperture to protect the areas where the wire will pass.



Fit the dashboard protector 1361.
Thread the wire under one of the lower corners and fit the unpicking tool and the pulling handle.
Cut the mastic bead.



If the vehicle has a heated windscreen, disconnect:

- the battery,
- the feed connectors.

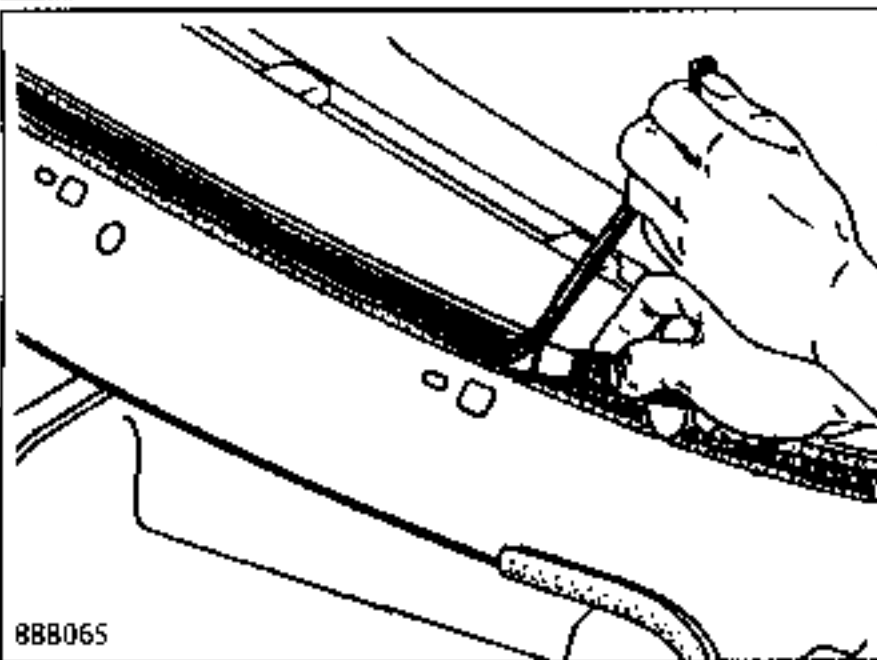
Remove the lower pads.

CLEANING THE WINDSCREEN APERTURE

Before any operations are carried out, clean the aperture using a cloth impregnated with **HEPTANE** surface cleaner to remove any impurities.

Avoid touching the remaining mastic bead while cleaning.

This operation should be performed before cutting and levelling off the remaining mastic bead in the aperture.



Using a 20 to 25 mm wide spatula, sharpened to a cutting edge, cut and level off the mastic bead so that a thickness of 0.5 to 1mm of mastic is left in the aperture groove.

Use gloves when carrying out this operation.



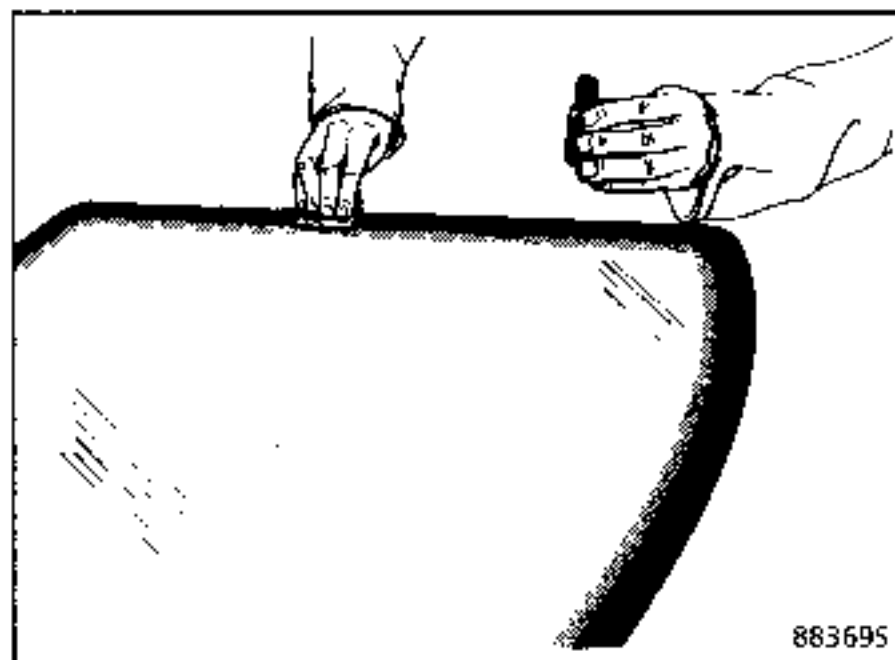
NOTE : A film of mastic must be left in the groove to act as a base for the new mastic bead.

Do not use an air gun to remove the mastic residue and dust.

Do not apply cleaning agents or degreasing agents to the residual bead and do not touch the bead.

This ensures the residual bead has a completely clean bonding surface free of contamination and solvents.

PREPARATION OF THE NEW WINDSCREEN



Carefully clean the enamelled surface around the edge of the windscreen using a glass degreasing agent and the special cloth supplied in the kit.

IMPORTANT : Immediately after applying the degreaser, use a clean dry cloth and wipe off the marks left by the degreaser on the glass and coloured edge.

Shake the glass primer for at least 1 minute before application.

Apply the glass primer without going over onto the bonding area.

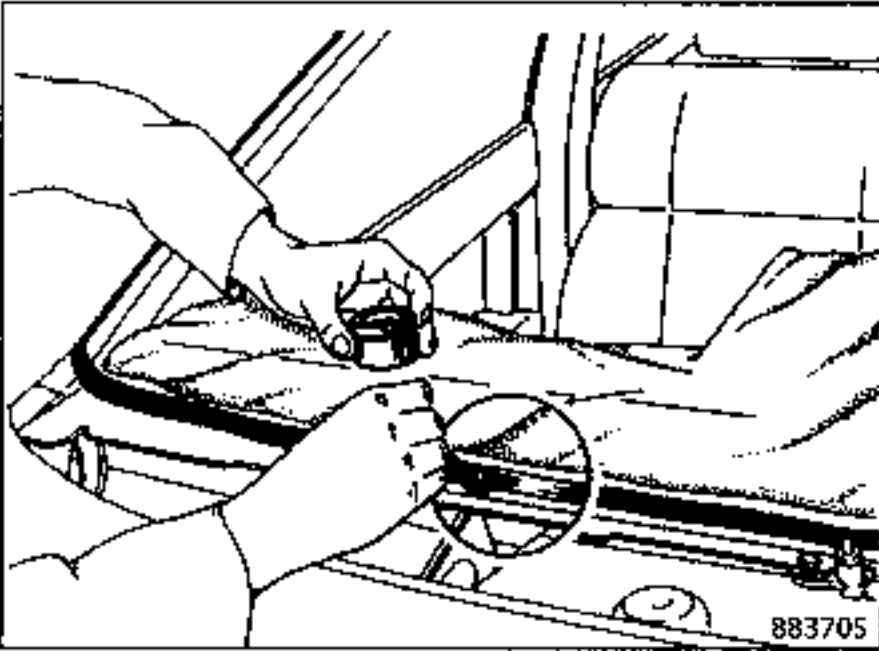
Avoid going over primer already applied. The aim is to apply a continuous band with the minimum of joins.

Fit the exterior trim, beginning at the upper corners of the windscreen.

Wait for the product to become completely matt before applying the mastic.

(see Technical Note for windscreen bonding method N° 371 A).

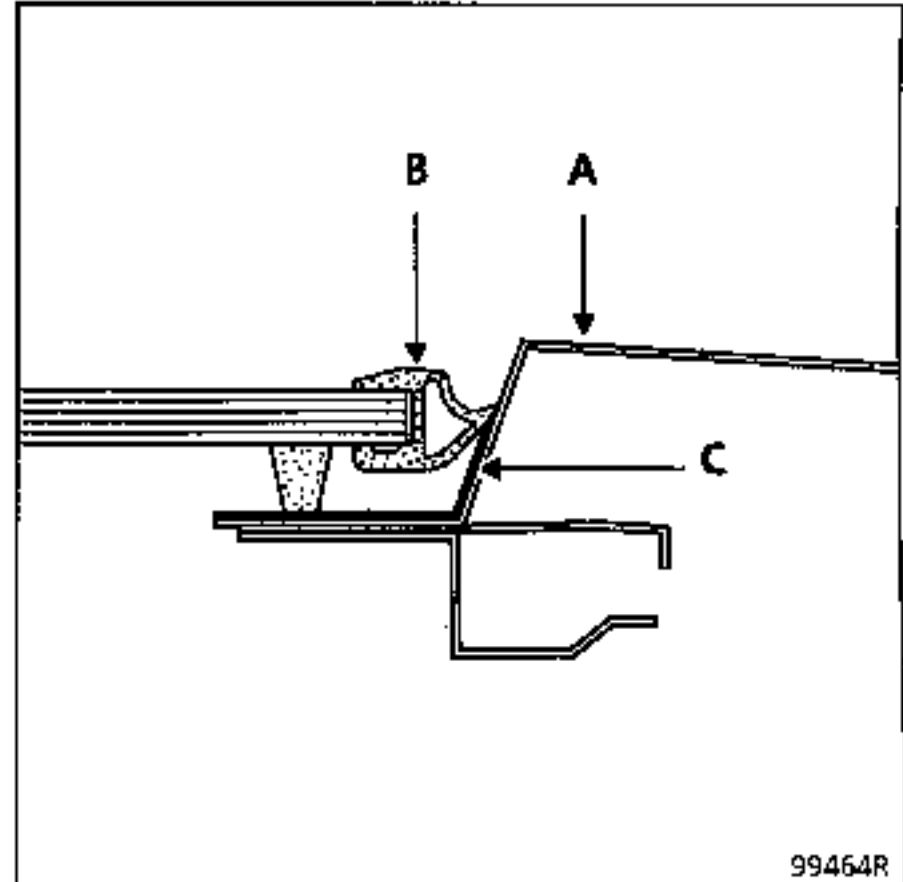
PREPARATION OF THE WINDSCREEN APERTURE



Shake the metal primer for at least 1 minute before application.

Apply primer only to the areas where the groove has been damaged down to the metal when removing the windscreen or cleaning.

It serves no purpose and is not recommended to remove the primer from the remaining mastic film.



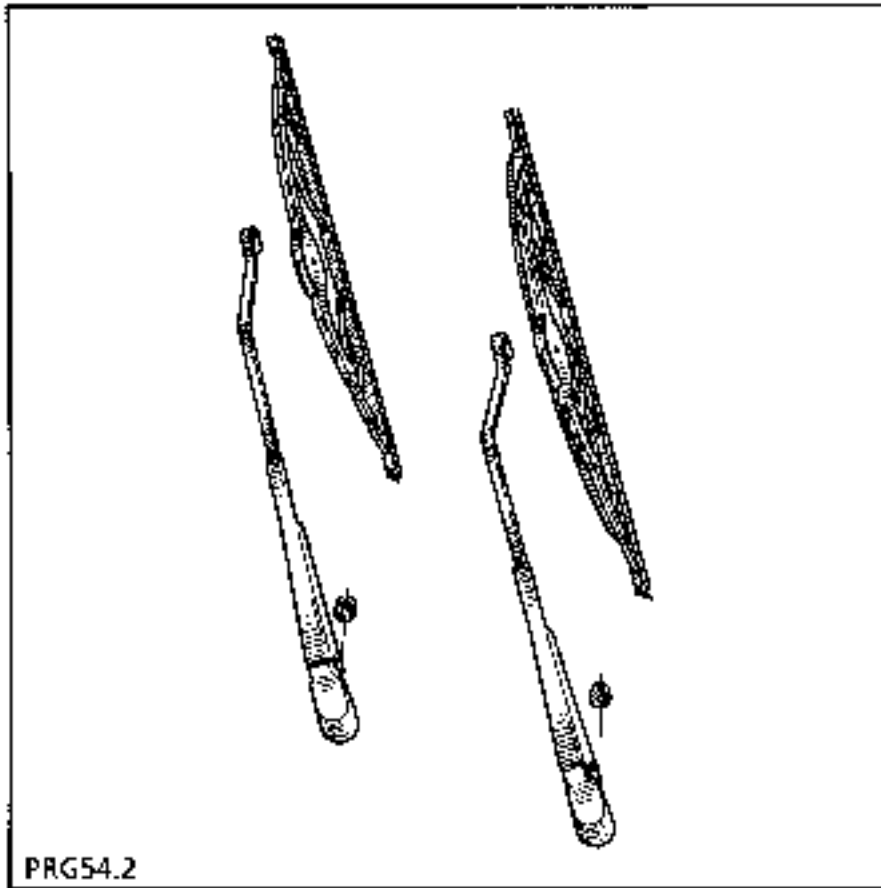
NOTE: when applying metal primer to the upper section (roof), mask off area (A) before applying the primer.

The windscreen fits slightly below the roof so any overflow will be visible once the windscreen has been bonded into position.

- A Roof.
- B Trim.
- C Primer

For details on preparation for bonding, refer to Technical Note N° 371A which gives the general method for bonding windscreens.

REFITTING THE WINDSCREEN WIPERS



Use a metal brush to clean the splines of the shafts.

Check the splines on the arms.

Refit the wiper arms and refit the nuts, tightening them to a torque of **22 N.m ($\pm 20\%$)** with a torque wrench.

Check the wipers operate correctly.

Refit the caps to the nuts.

NOTE : if the wiper motor operated during the removal procedure, return it to the "park" position before refitting the wiper arms.

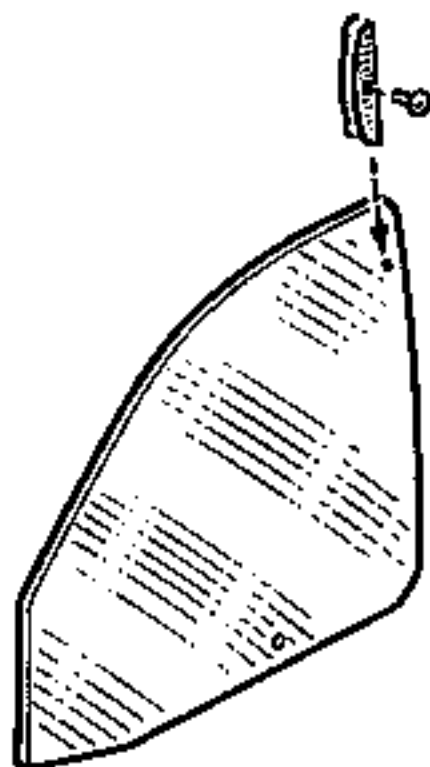
A vehicle fitted with a driver's airbag is identified by a label in the bottom corner of the windscreen on the driver's side.

If a passenger airbag is fitted, a label will be applied in the bottom corner of the windscreen on the passenger side.

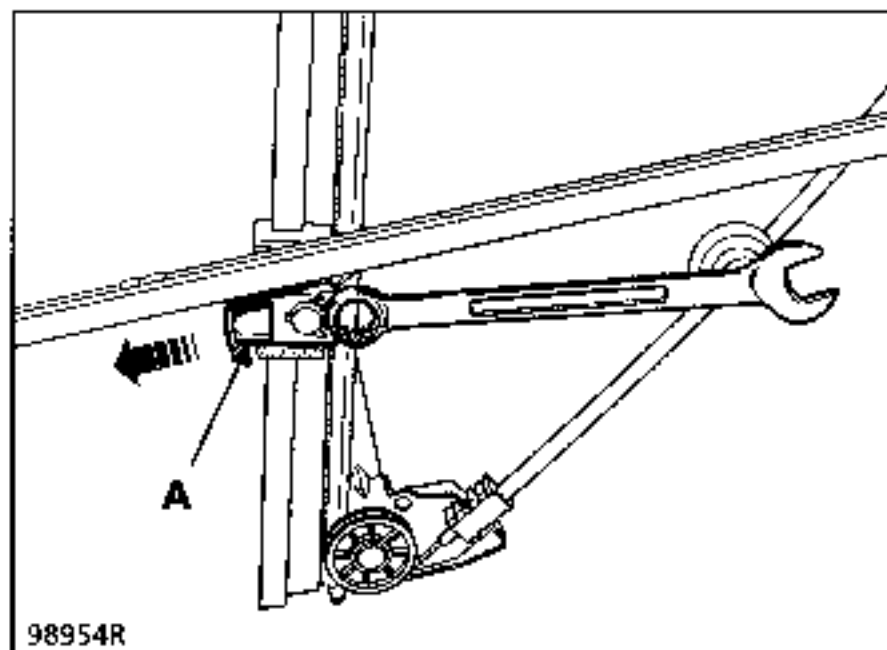
If the windscreen is replaced, remember to apply the correct labels to show that the vehicle is fitted with an airbag.

These labels are available in a kit under Part Number:

77 01 204 970.

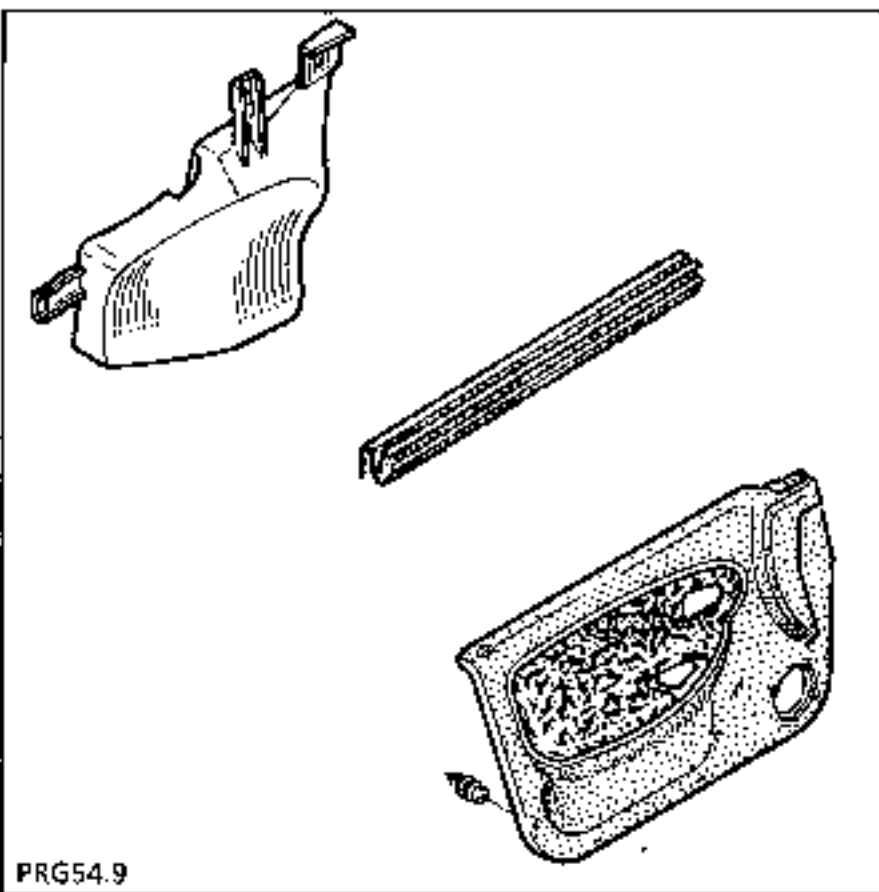


PRG54.3



98954R

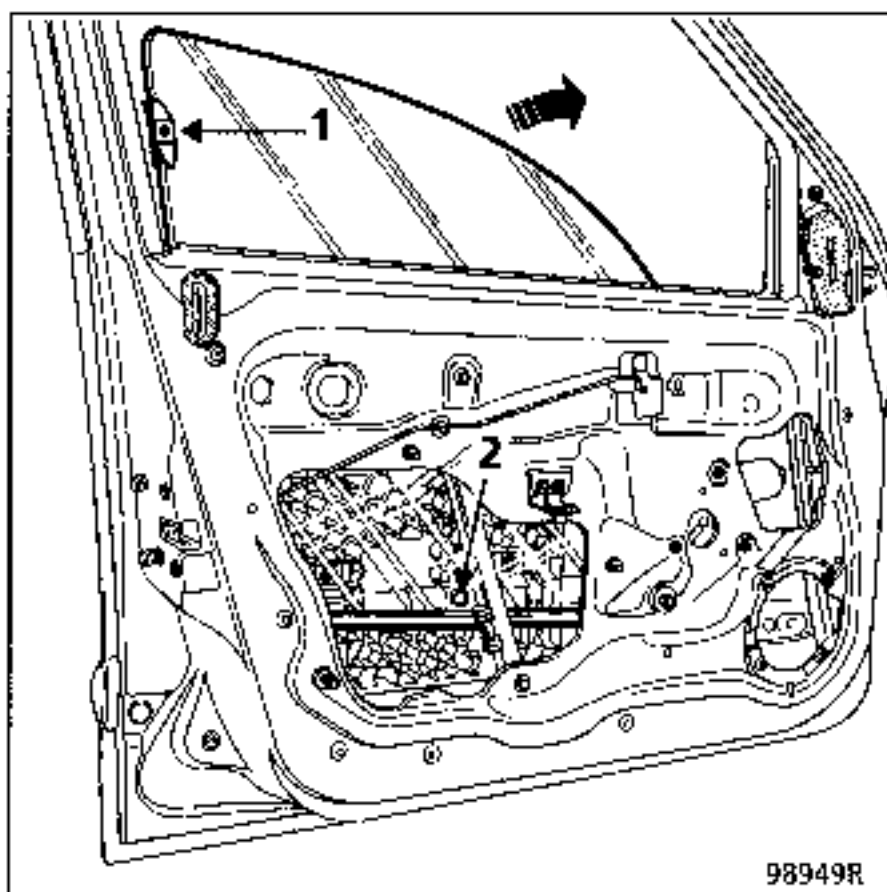
Position the window 3/4 open.
Remove the mounting fork (A) separating the lugs
using a 13 mm ring spanner.



PRG54.9

Remove:

- the front door trim panel (see 72B),
- the interior door side impact absorber (see 51D),
- the interior weatherstrip (see 66C).

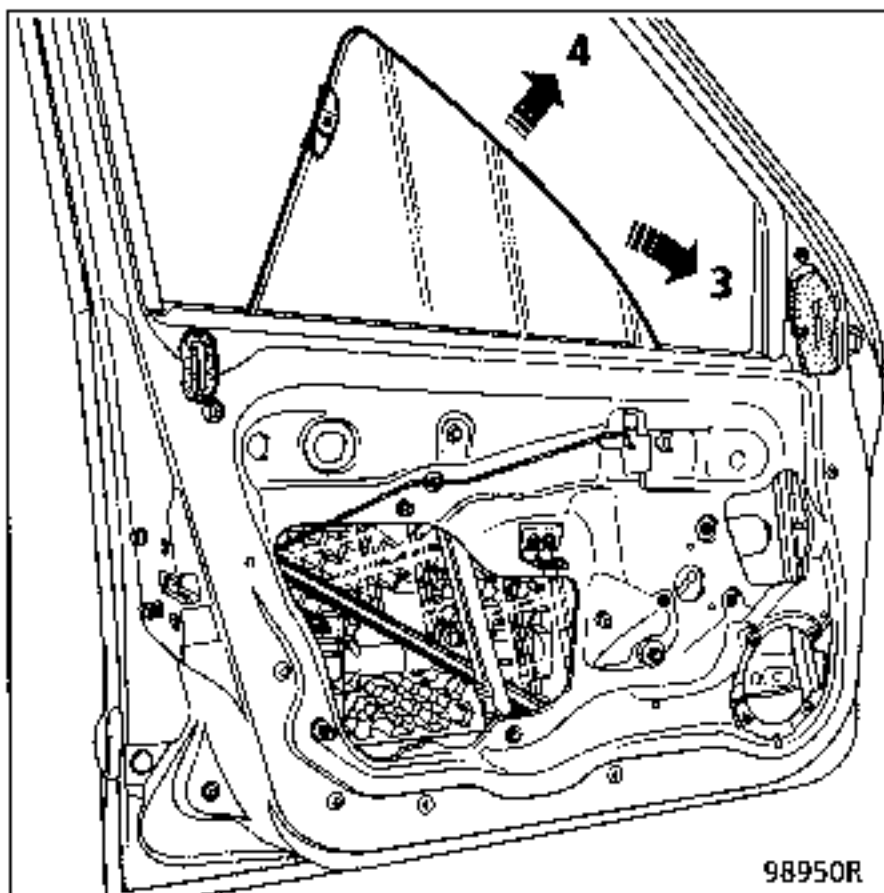


98949R

Lower the window.

Release:

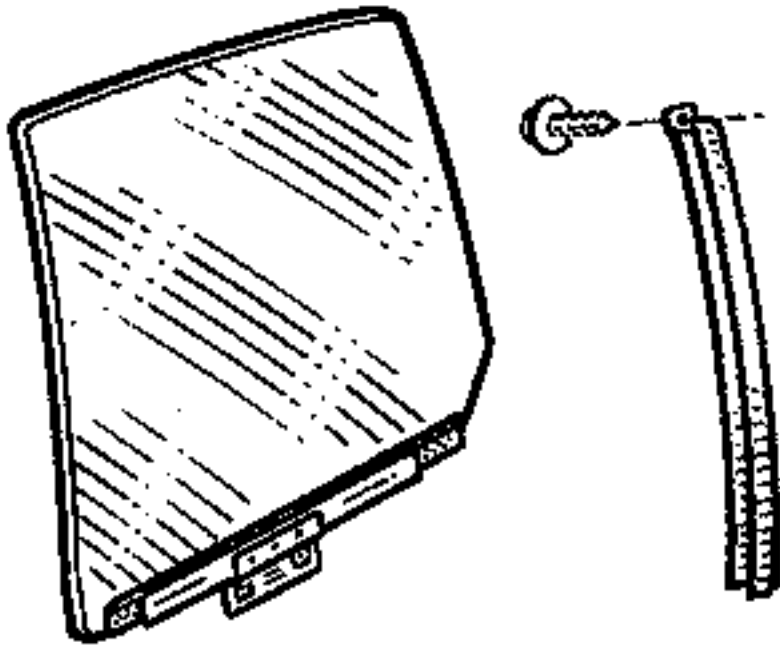
- the window slide pad (1),
- the window from the drive shaft(2).



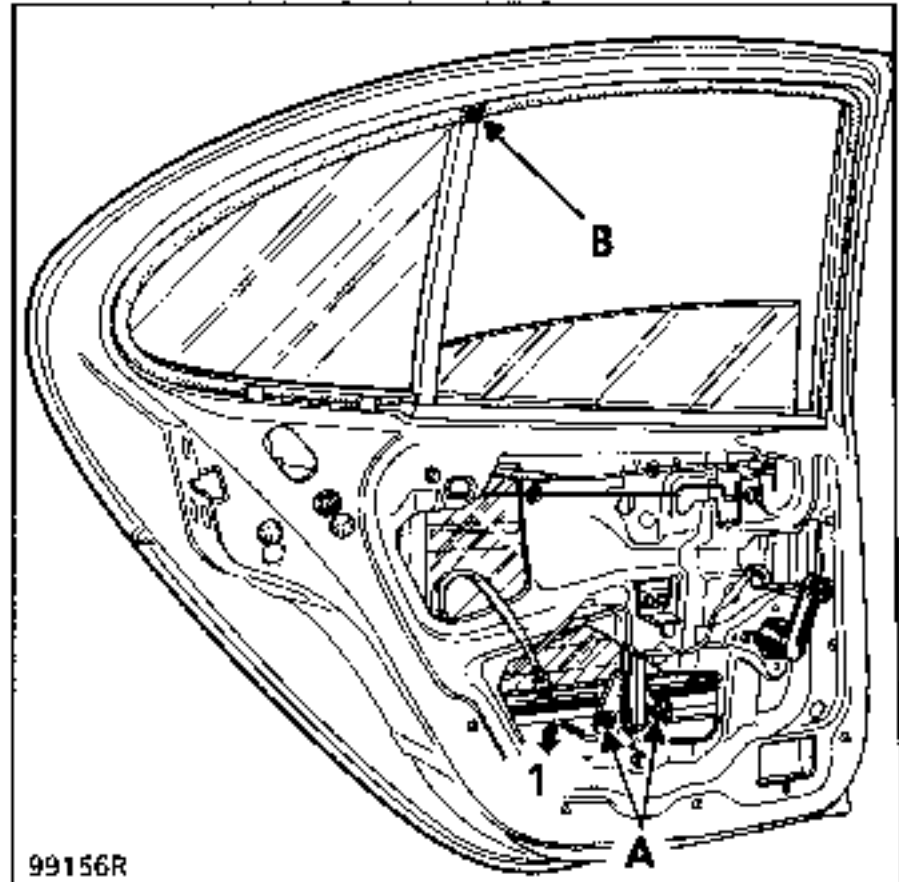
Tilt the window forwards (3).
Remove the window (4).

REFITTING

No adjustment is necessary on refitting. The pad is fitted by a fold-down rivet.



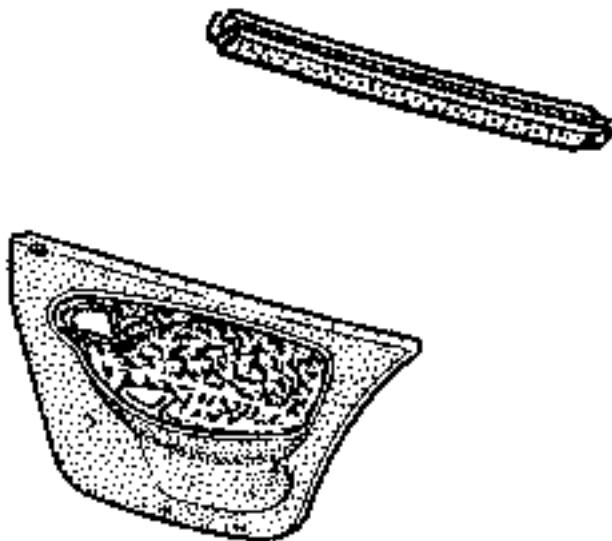
PRG54.4



99156R

REMOVAL

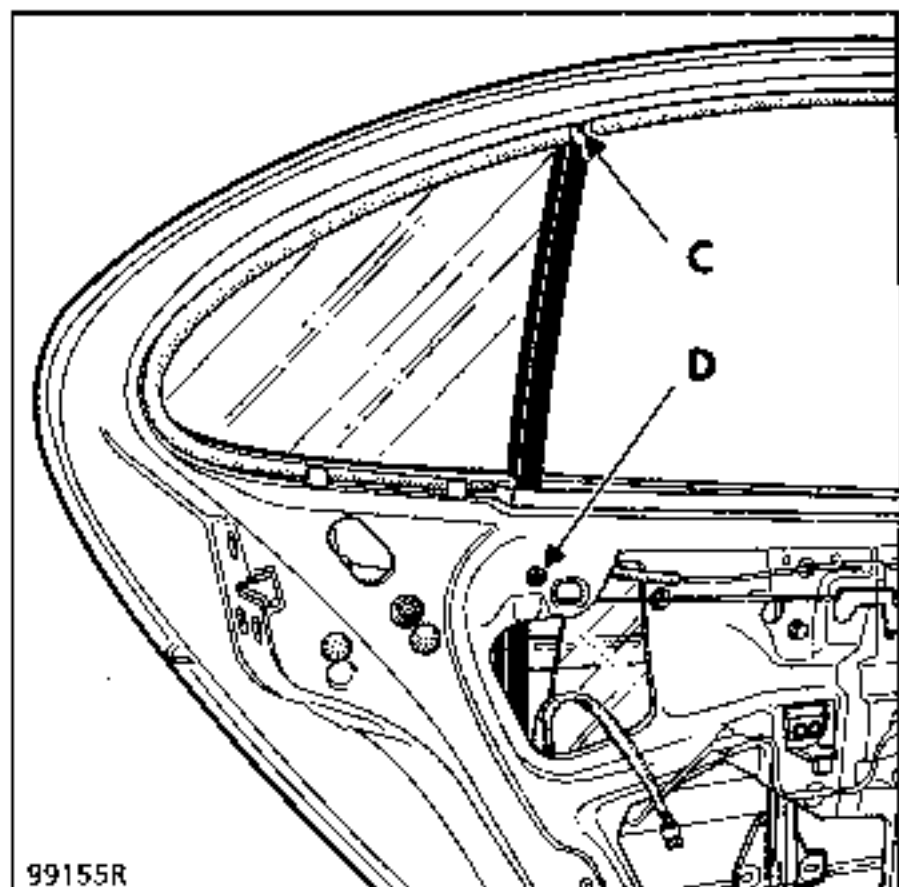
Refit the window winder to the shaft.
Lower the window to the 3/4 open position.
Remove the two mounting bolts (A) (10 mm hexagonal head) for the window.
Lower the window to the bottom of the body section to release it from the fixed pillar guide (1).
Remove the cover from the upper mounting bolt on the fixed pillar (B)



PRG54.10

Remove:

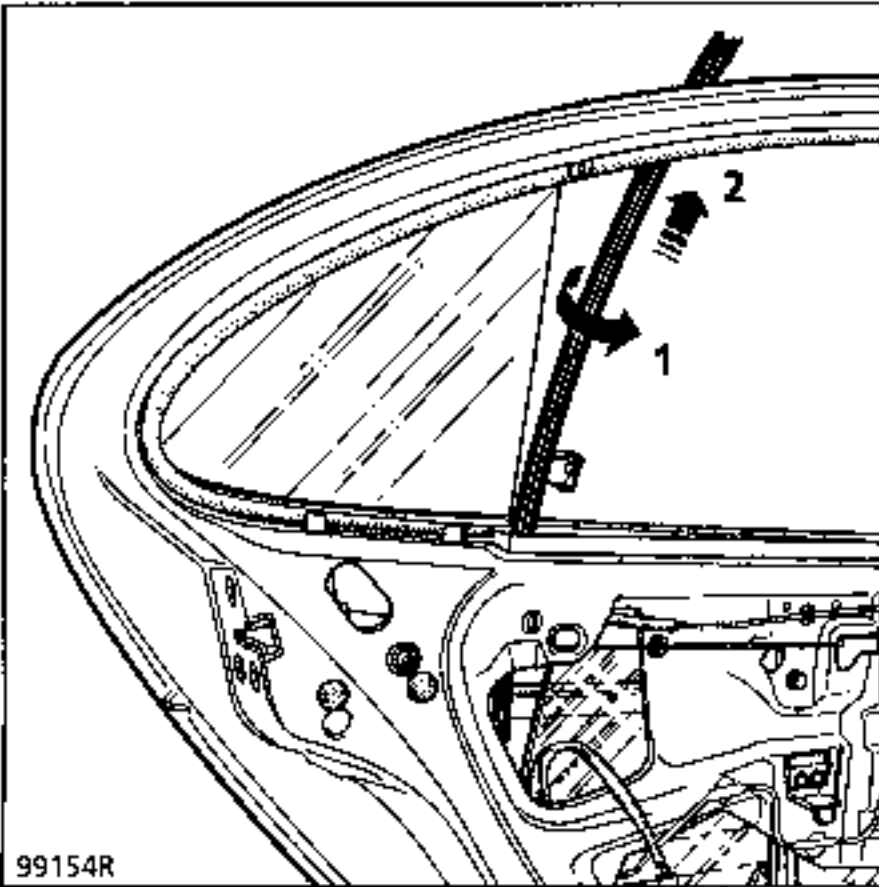
- the rear door trim panel (see 72C),
- the interior weatherstrip (see 66F).



99155R

Remove:

- the upper mounting bolt from the fixed pillar (C) (Star 20),
- the lower mounting bolt from the fixed pillar (D) (10 mm hexagonal head).

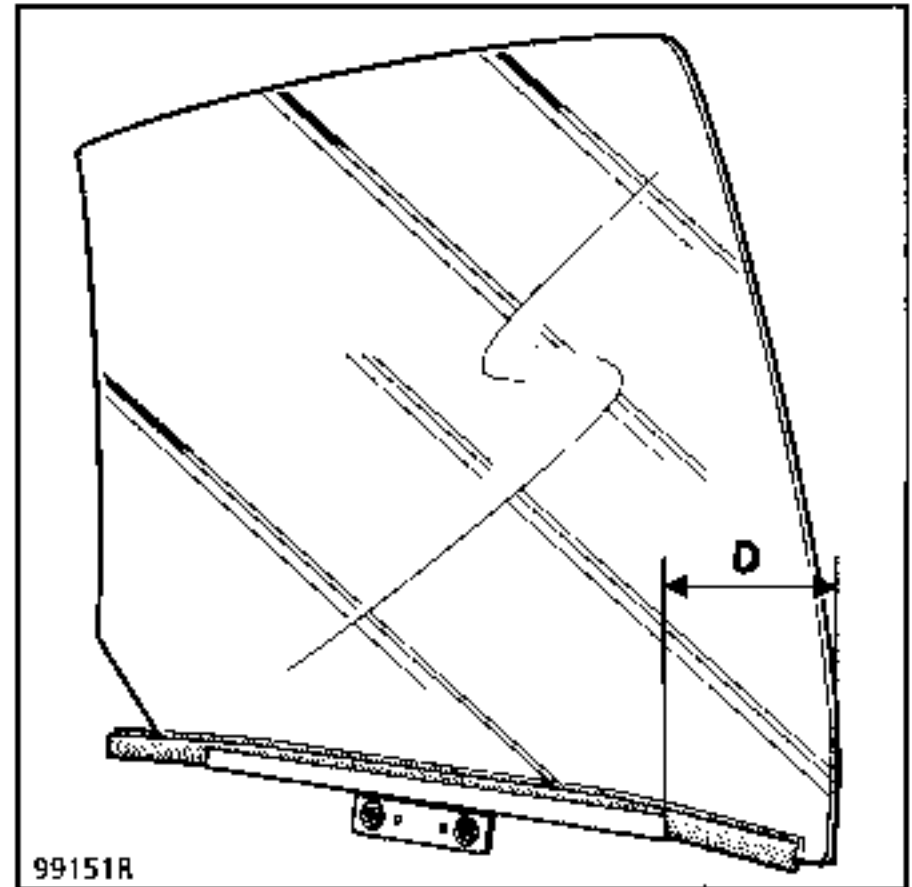


Turn the pillar a quarter turn to remove the upper pillar mounting bracket from the door.

Remove the window from inside the vehicle.

REFITTING

The two mounting bolts (A) are tightened with the window in the fully raised position.



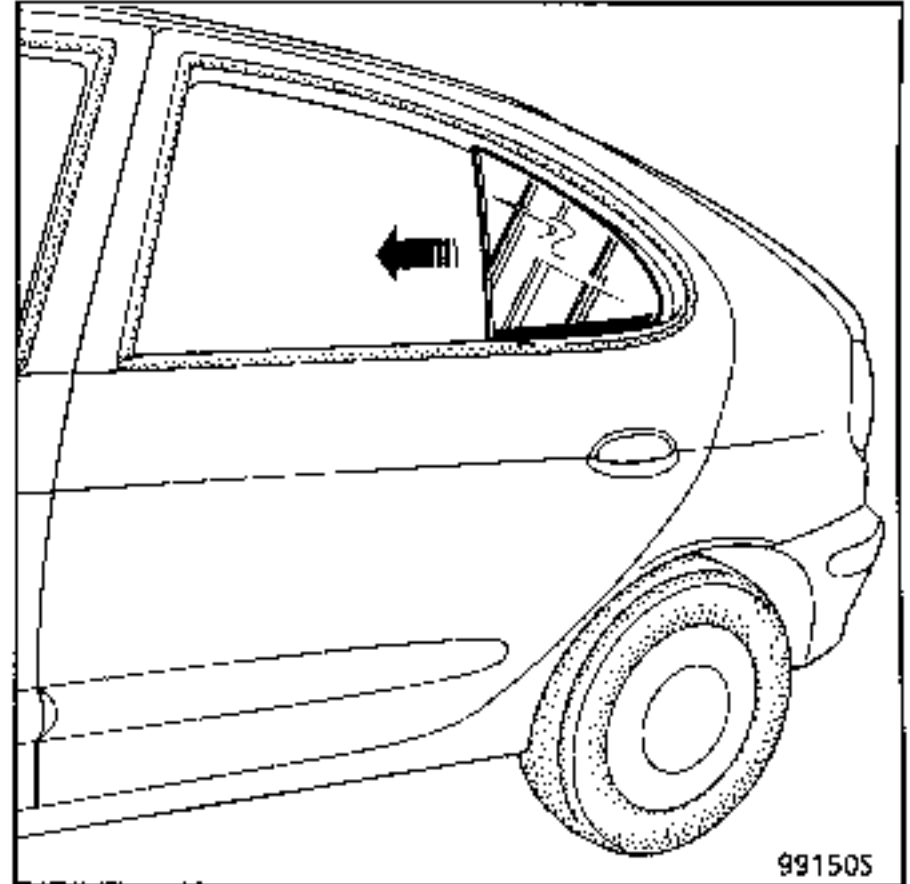
{D} = 122 mm.

Dimension for information only.

Windows from the Parts Department are ready fitted.

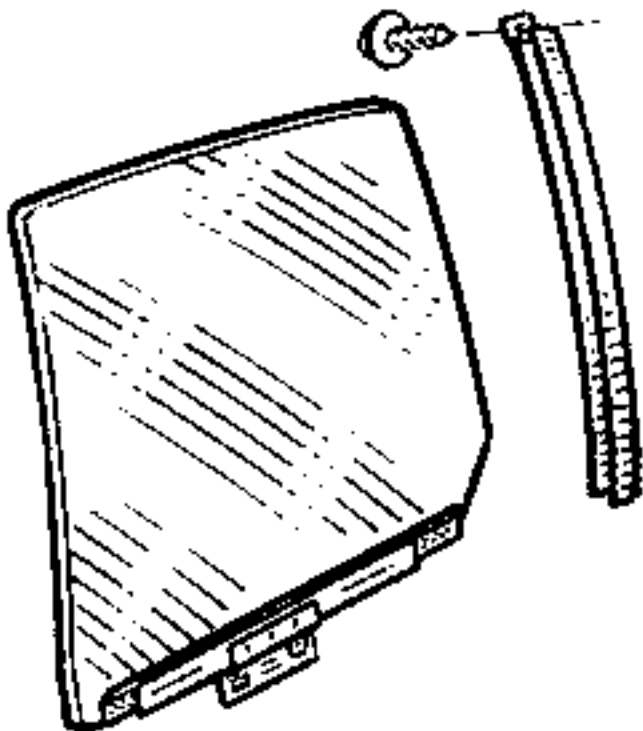


PRG54.5



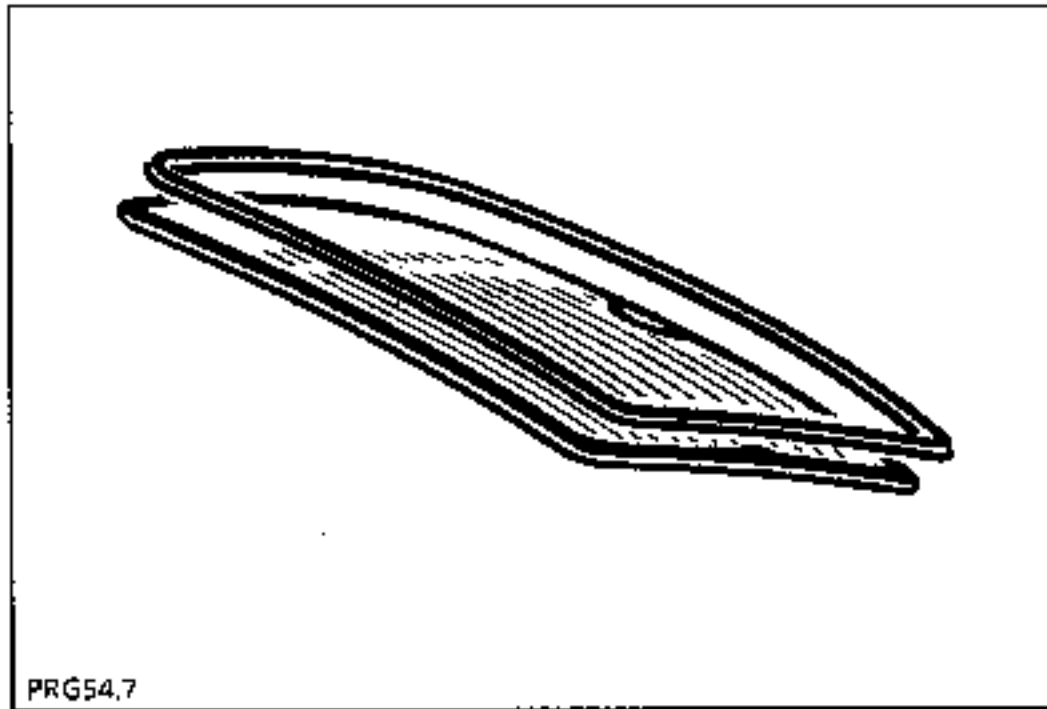
991505

Release the glass from the rear door surround by pulling it towards the front of the vehicle .

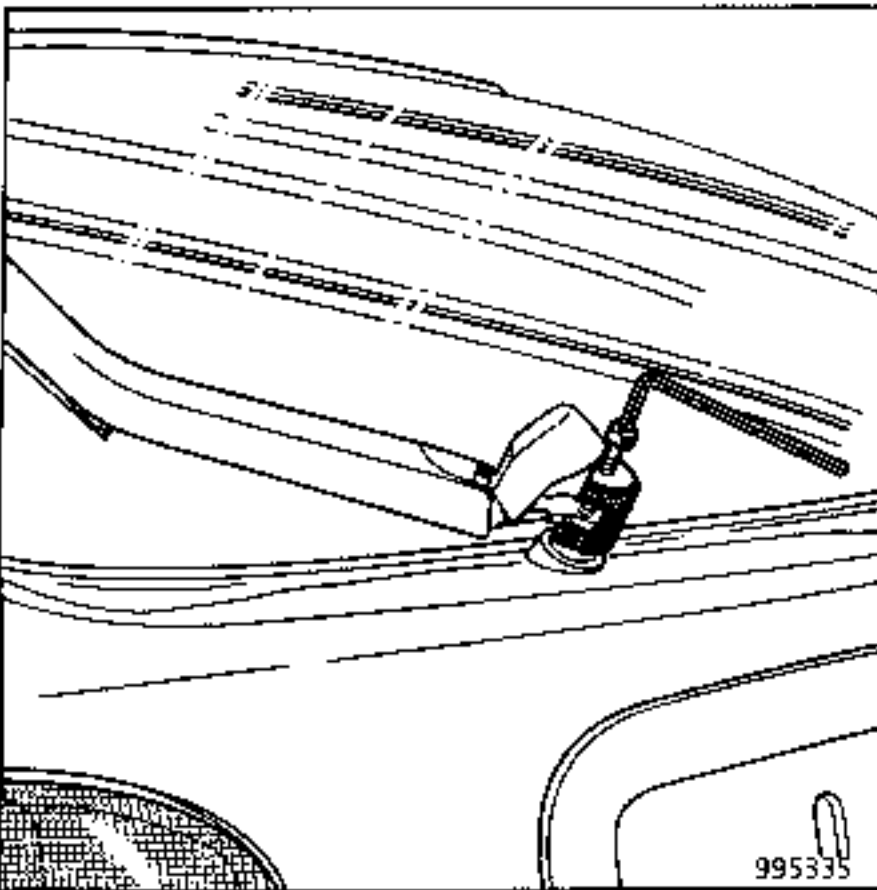


PRG54.6

Remove the sliding window and the fixed pillar from the rear door (see 54C).

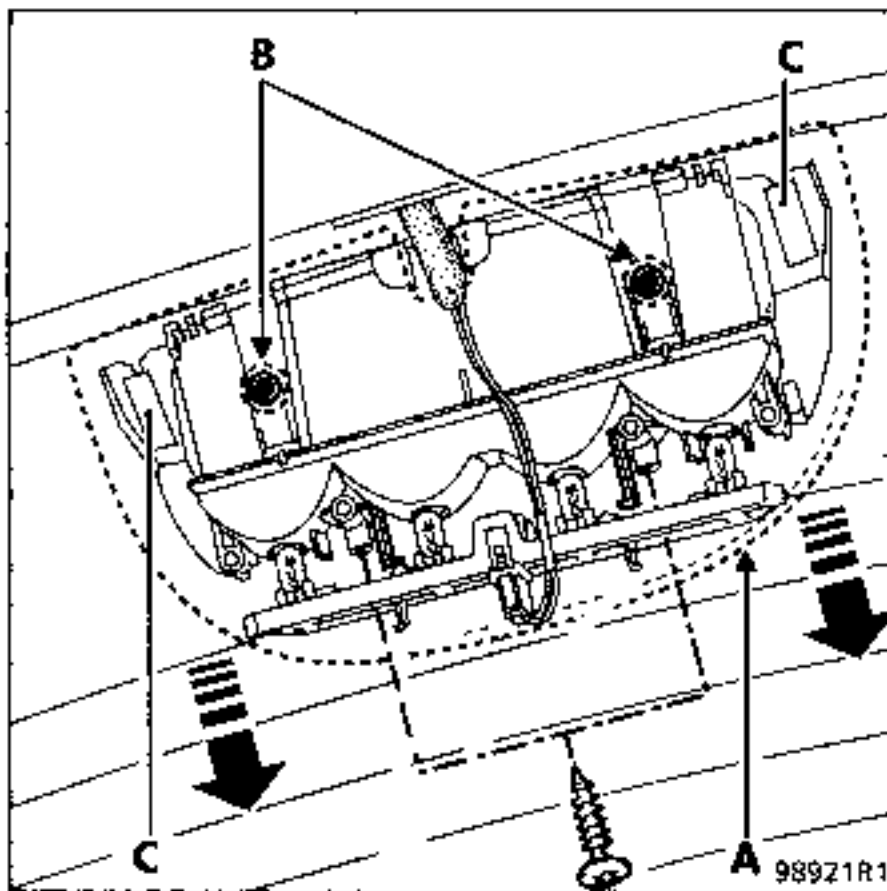


REMOVAL



Remove the exterior trim by unclipping it in one of the two upper corners then releasing it along its length.
This trim is provided with the new screen.

Remove the rear screen wiper arm using tool Elé. 1294.



Remove the raised stop light.

With the tailgate raised, unclip the cover (A) by pressing on the two points (B) then release it by sliding.

Disconnect the connector.

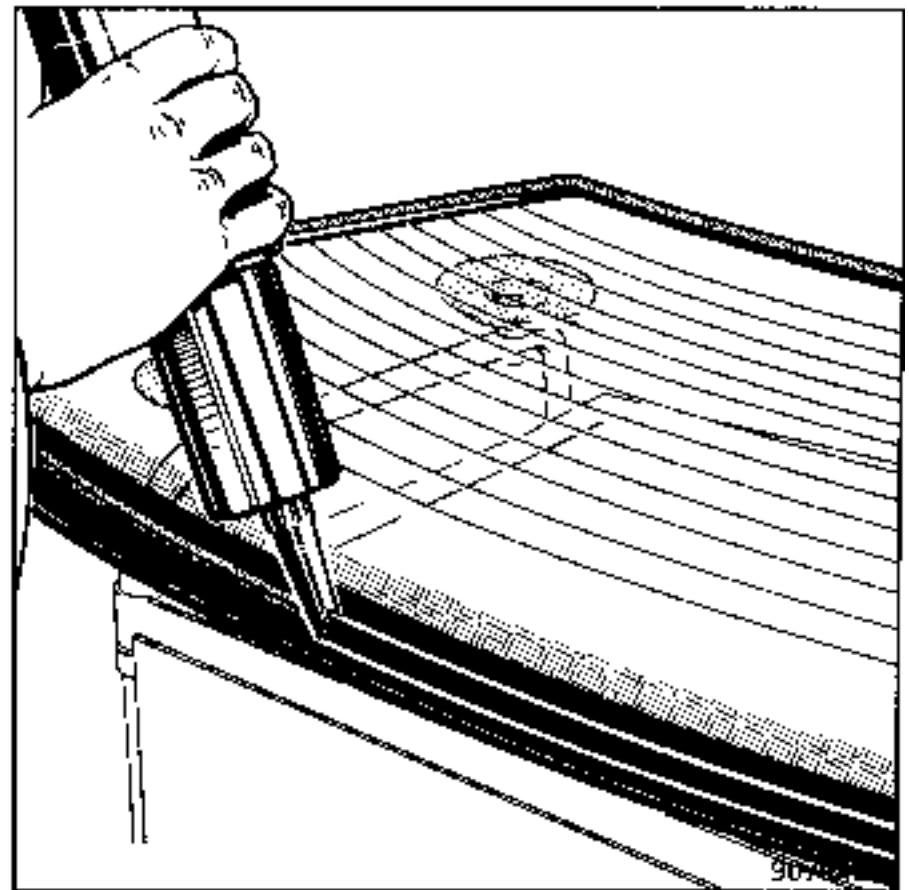
Separate the two tabs (C) and slide the assembly downwards.

Disconnect the heated screen grid.

Cutting the screen out:

- protect the painted sections around the edge of the screen (in the same manner as for the windscreen (see 54A)),
- cut the screen out in the normal manner using wire.

BONDING AND FITTING THE REAR SCREEN



The preparation of the areas to be bonded is identical to that for the windscreen (see 54A).

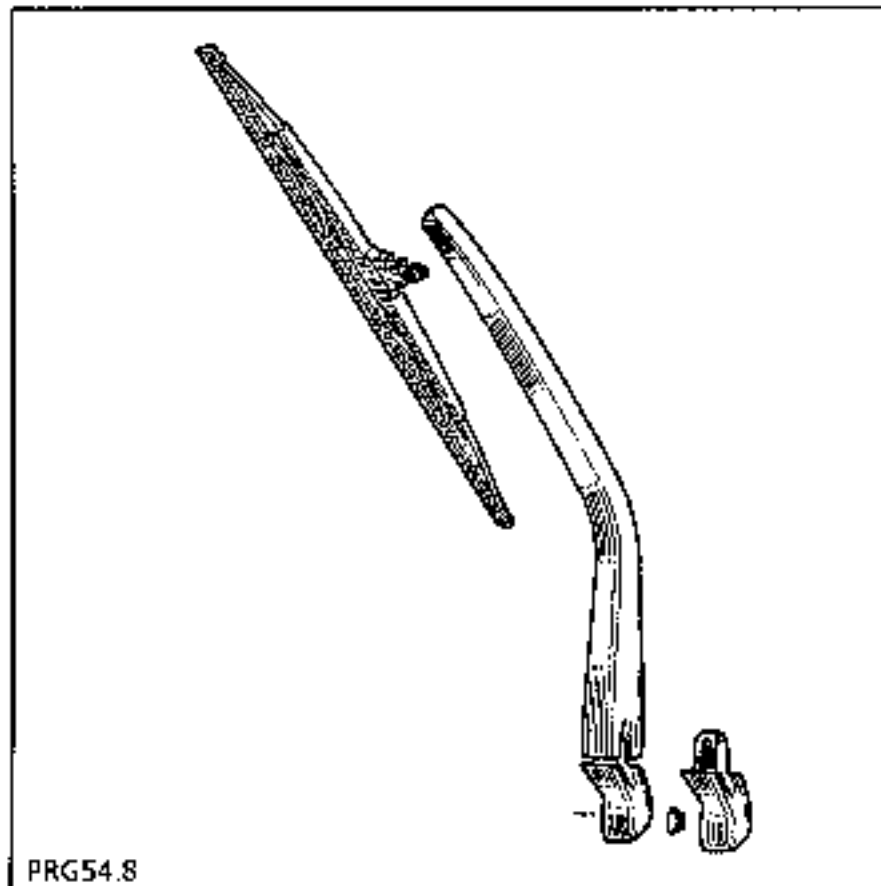
Ensure the exterior trim is fitted correctly to the screen.

Immediately after removing the mastic from the screen, fit the new screen.

Position the screen over the tailgate and centre it by putting the exterior trim against the upper edge.

Lay the screen down into position.

REFITTING THE REAR SCREEN WIPER



Use a wire brush to clean the splines on the shaft.

Check the splines on the wiper arm.

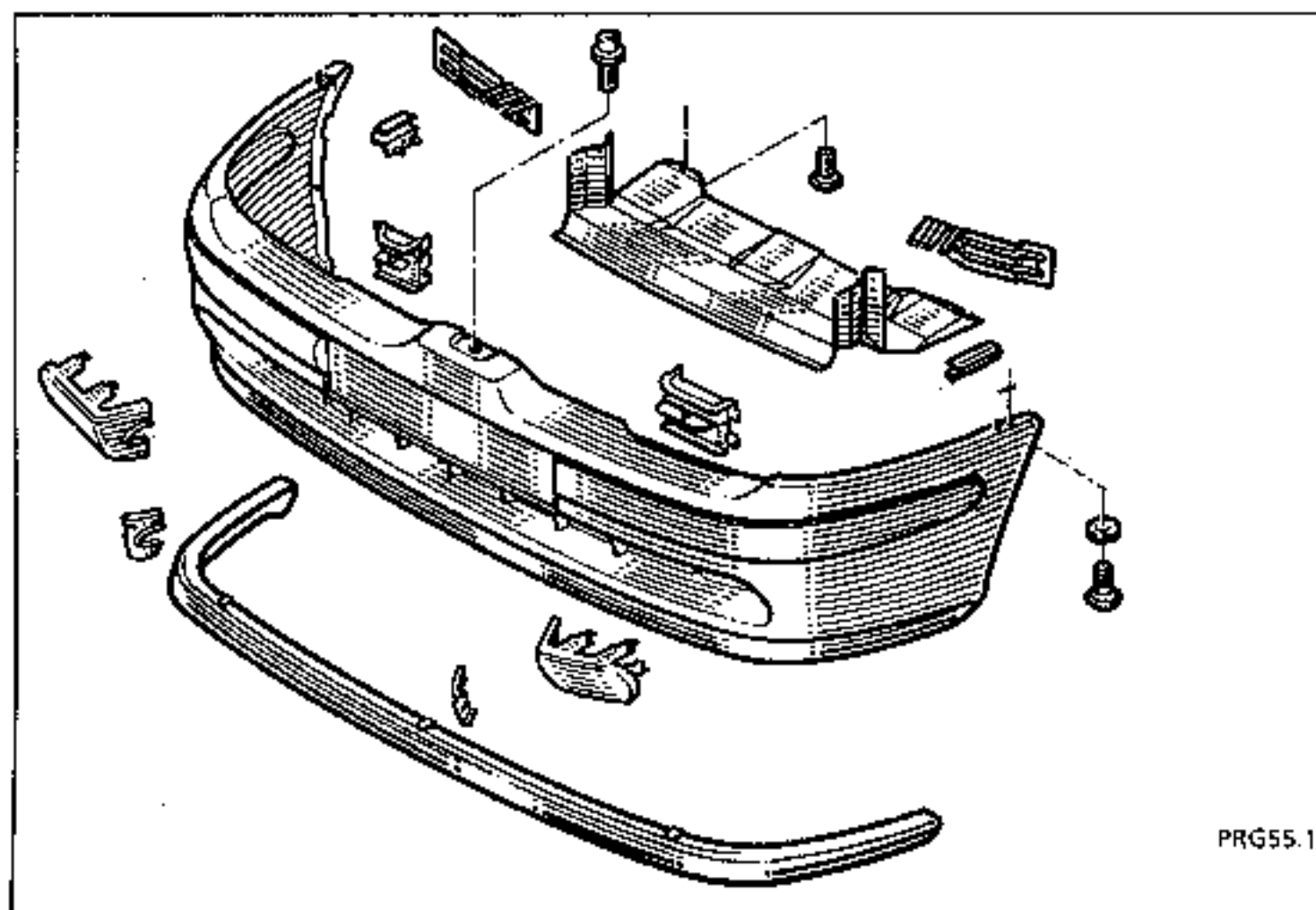
Refit the wiper arm, aligning the upper part of the wiper with the triangular mark on the rear screen heating grid.

Refit the nut and torque tighten to 12 Nm. ($\pm 20\%$) using a torque wrench.

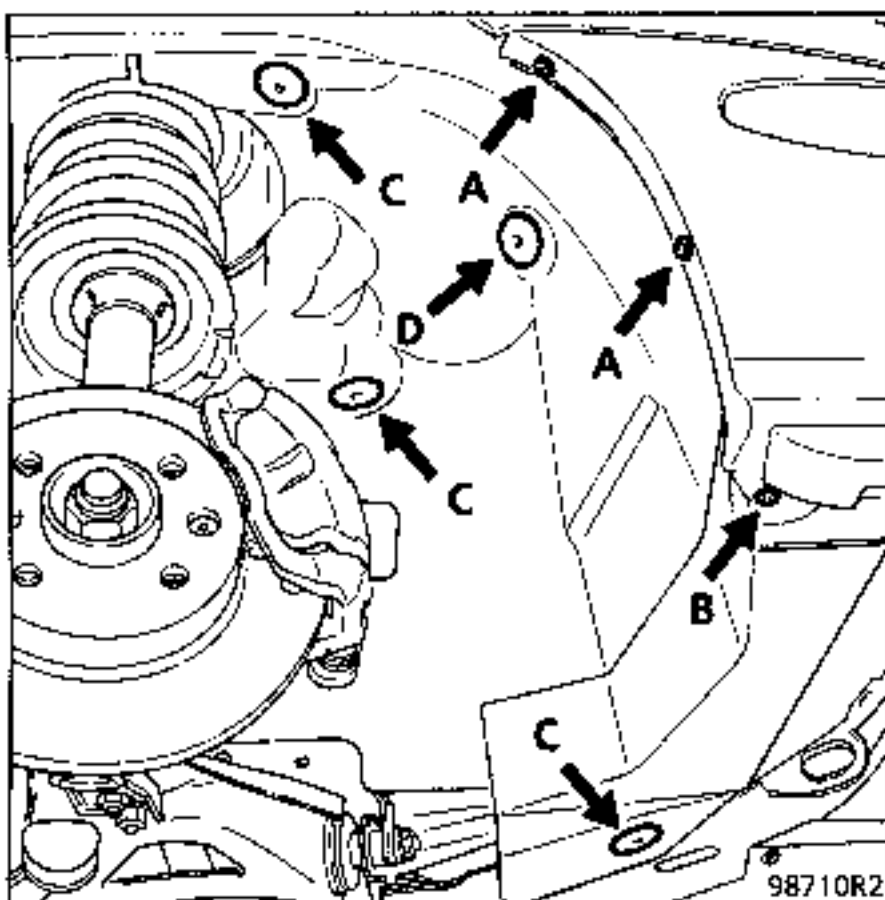
Check the wiper operates correctly.

Refit the cap on the nut.

NOTE : if the wiper motor operated during the removal procedure, return it to the "park" position before refitting the wiper arm.

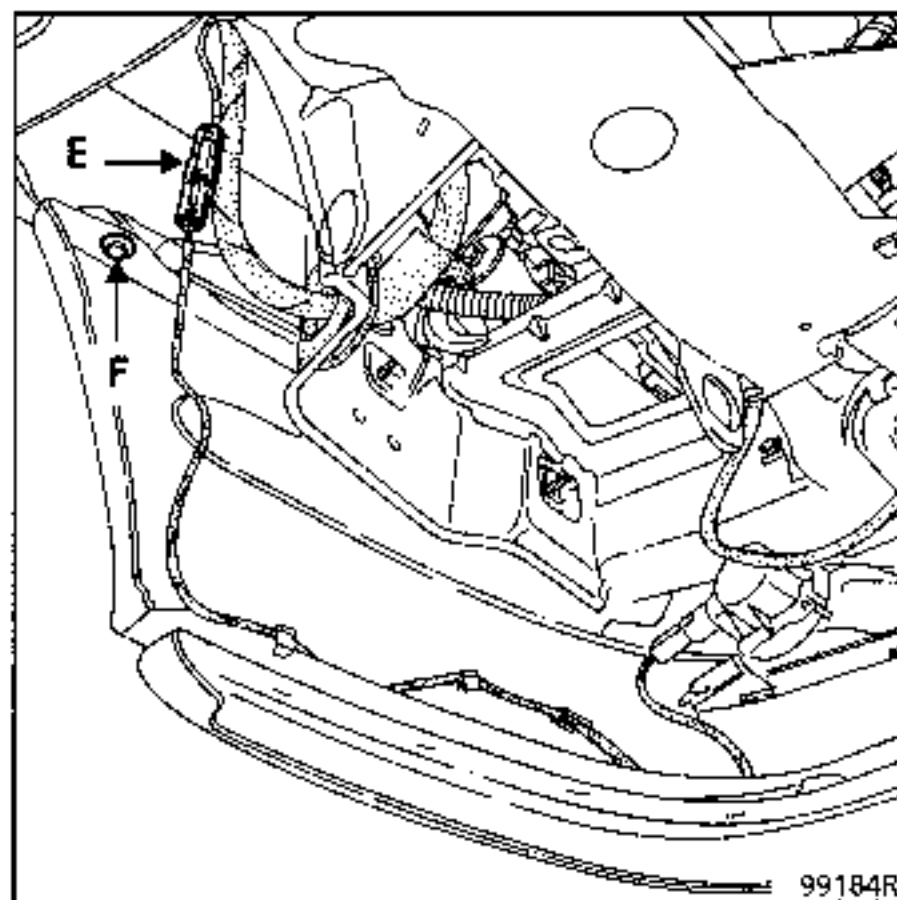


REMOVAL



Remove:

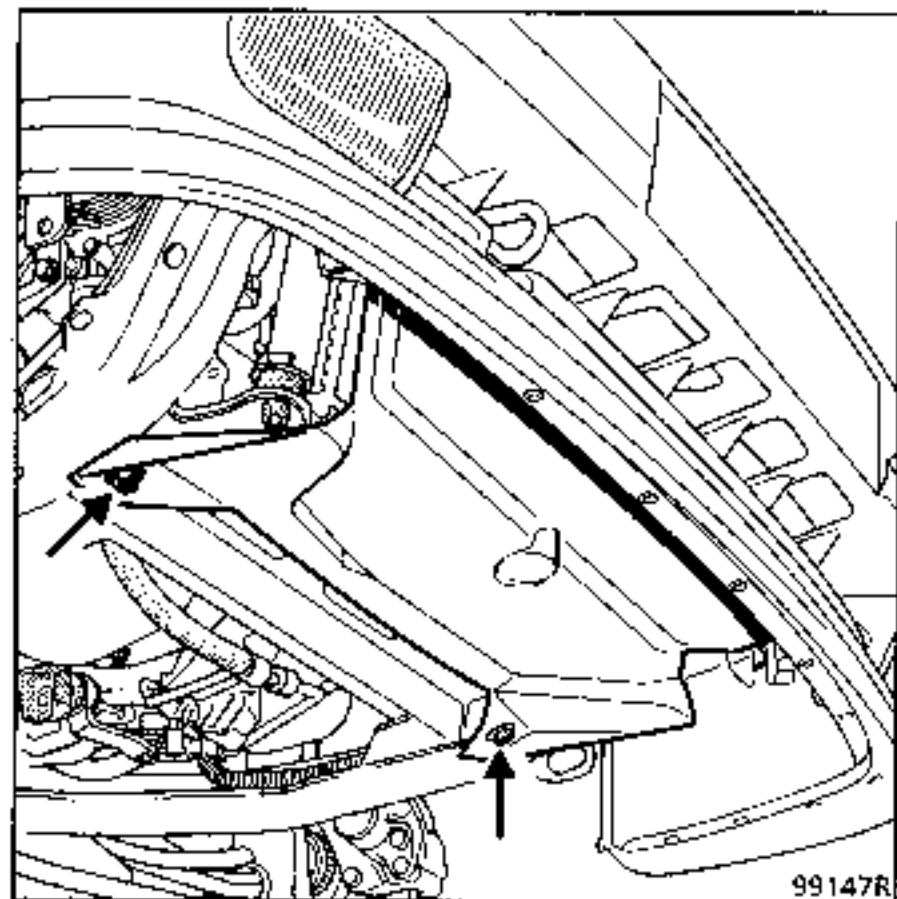
- the two upper side mounting bolts (A) (Star 20) and the lower side mounting bolt (B) (Star 20) from the front of the inner front wing protector
- the three retaining clips (C),
- the retaining clip (D) and remove the front section of the right and left hand wing protectors.



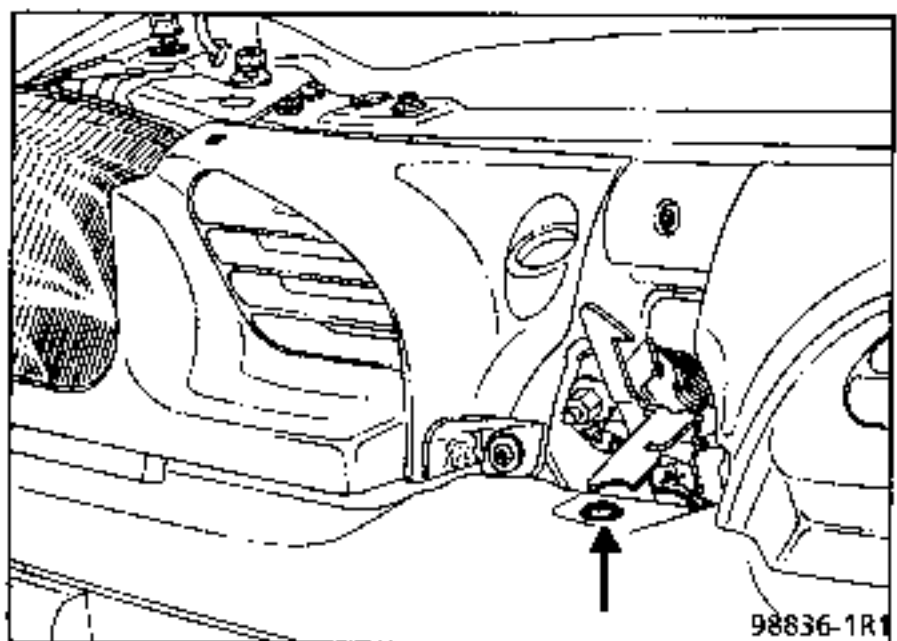
Disconnect the battery only if front fog lights are fitted.

Disconnect connector (E) for the front fog light wiring located at the front of the front left hand wheel arch.

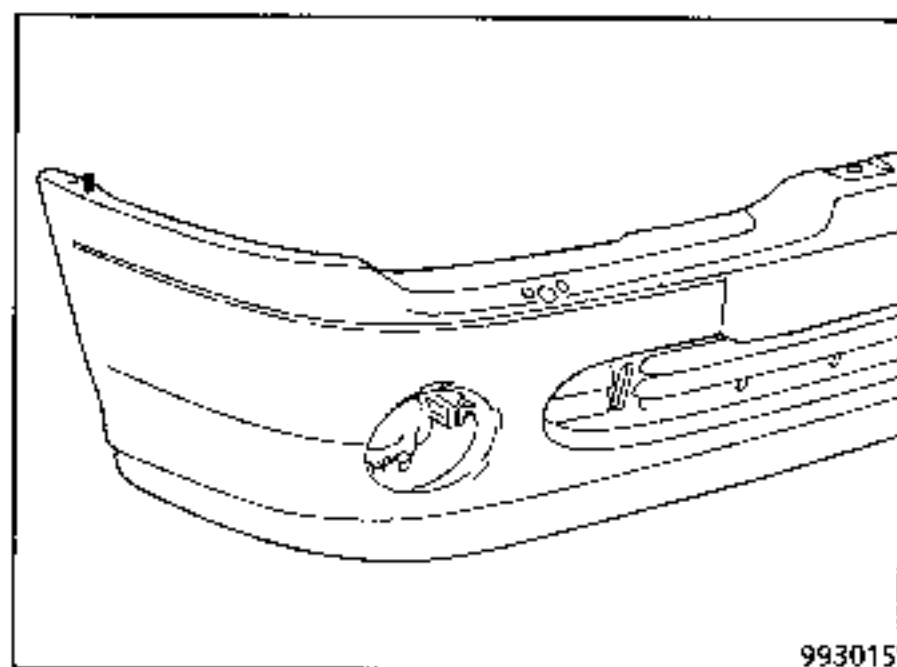
Remove the bumper upper side mounting bolt (F), (10 mm hexagonal head) (on each side).



Remove the two mounting bolts from the front engine fairing (10 mm hexagonal head).

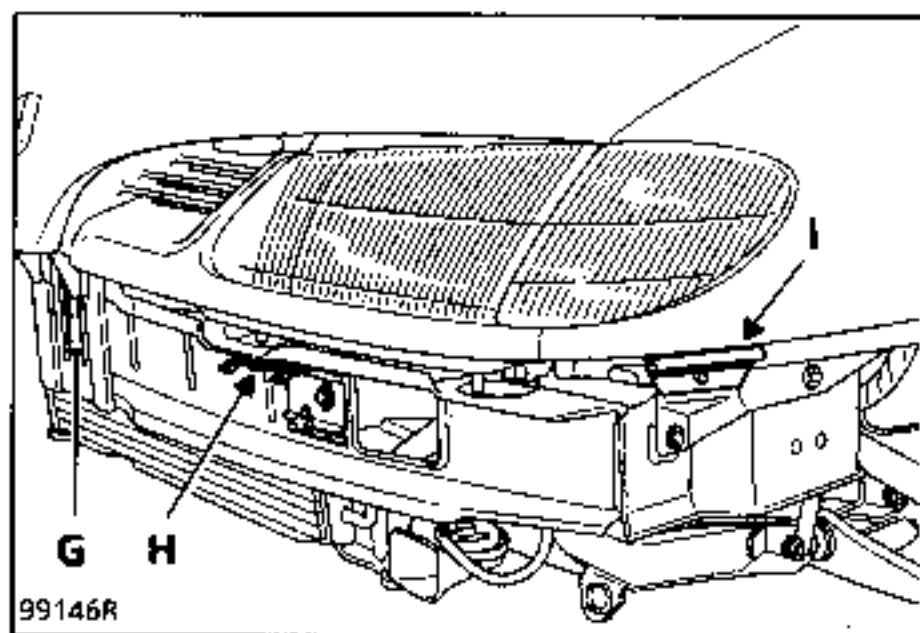


Remove the central mounting bolt (Star 40).



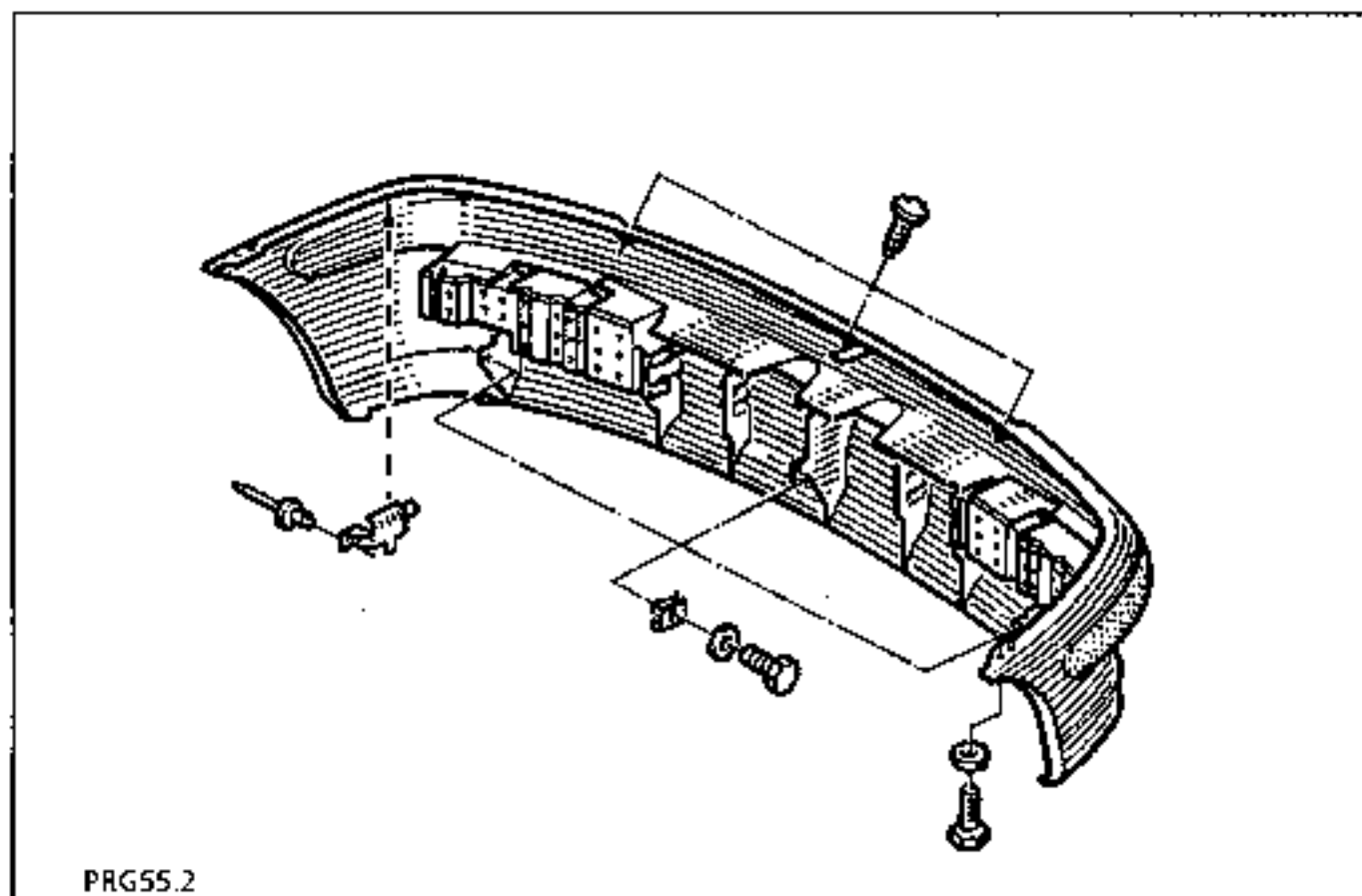
Release the two side centring devices for positioning the bumper in relation to the wing.
Remove the bumper by pulling it forwards.

REFITTING

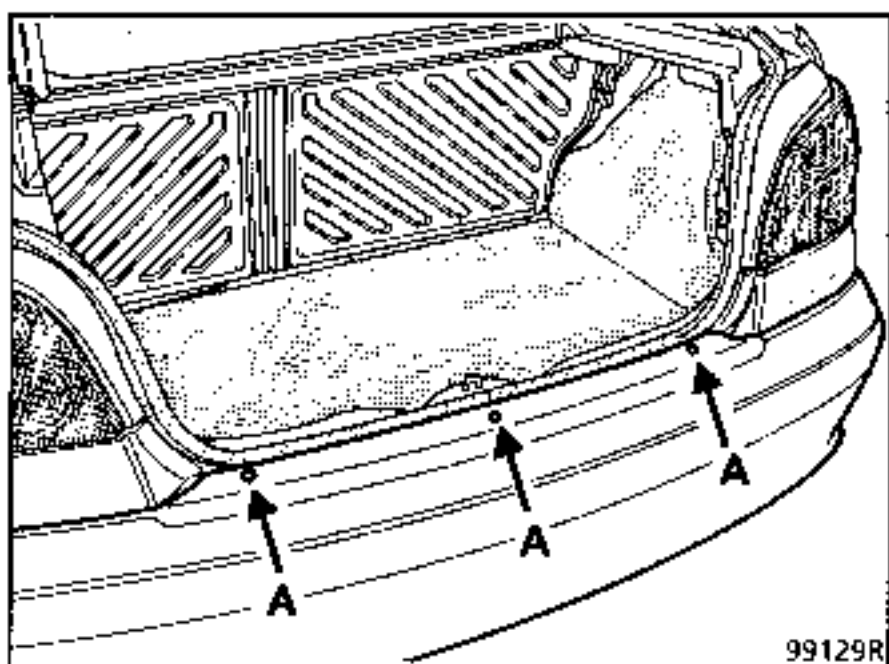


Position the bumper in front of the cross member and insert the centring pin into position (G), sliding the two brackets (H) into their respective clips.

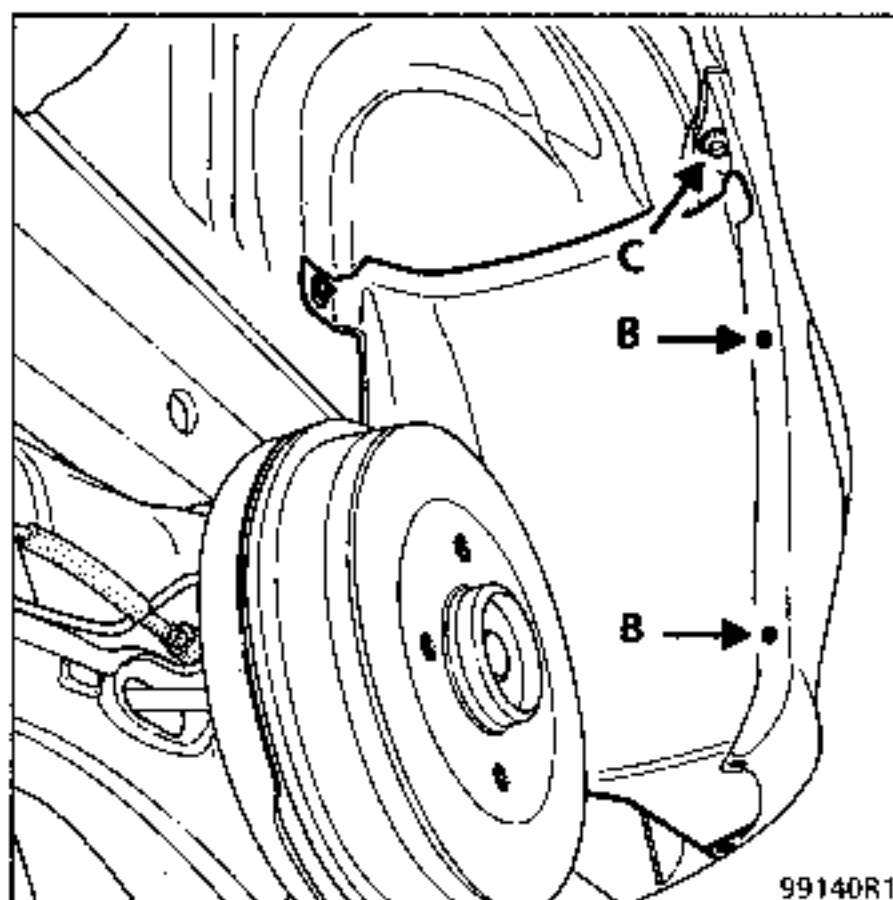
Refit the upper side sections of the bumper on the blocks (I) and fit the side centring devices (see diagram above).



REMOVAL

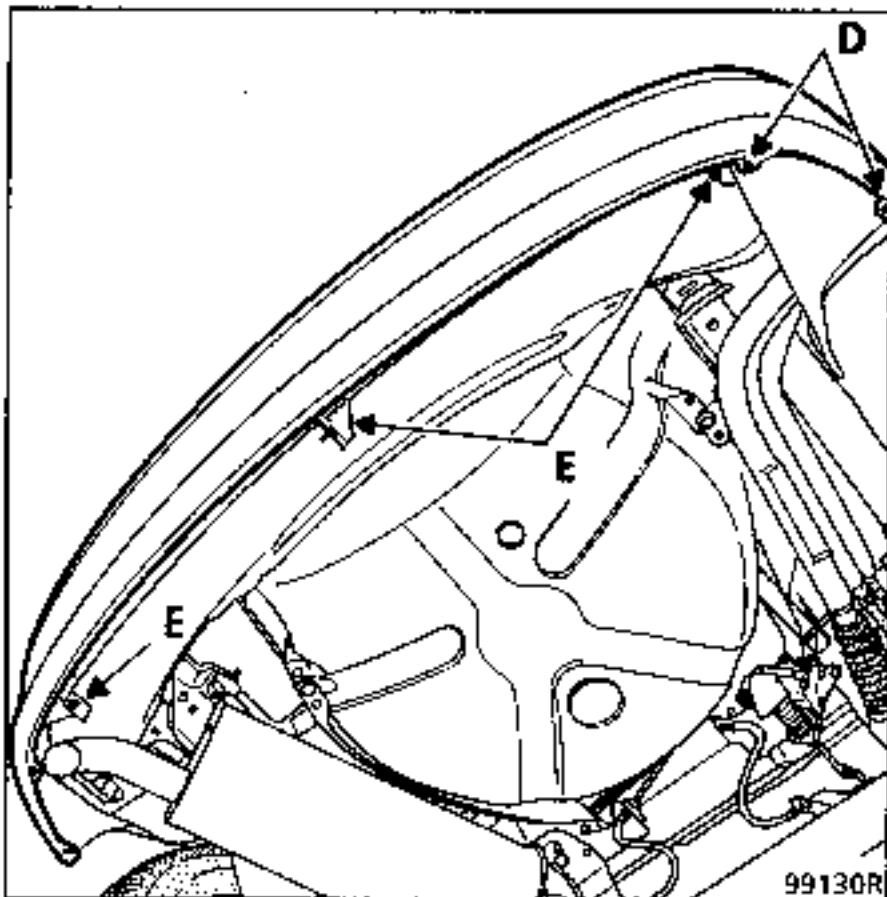


Remove the three upper mounting bolts from the bumper (A).



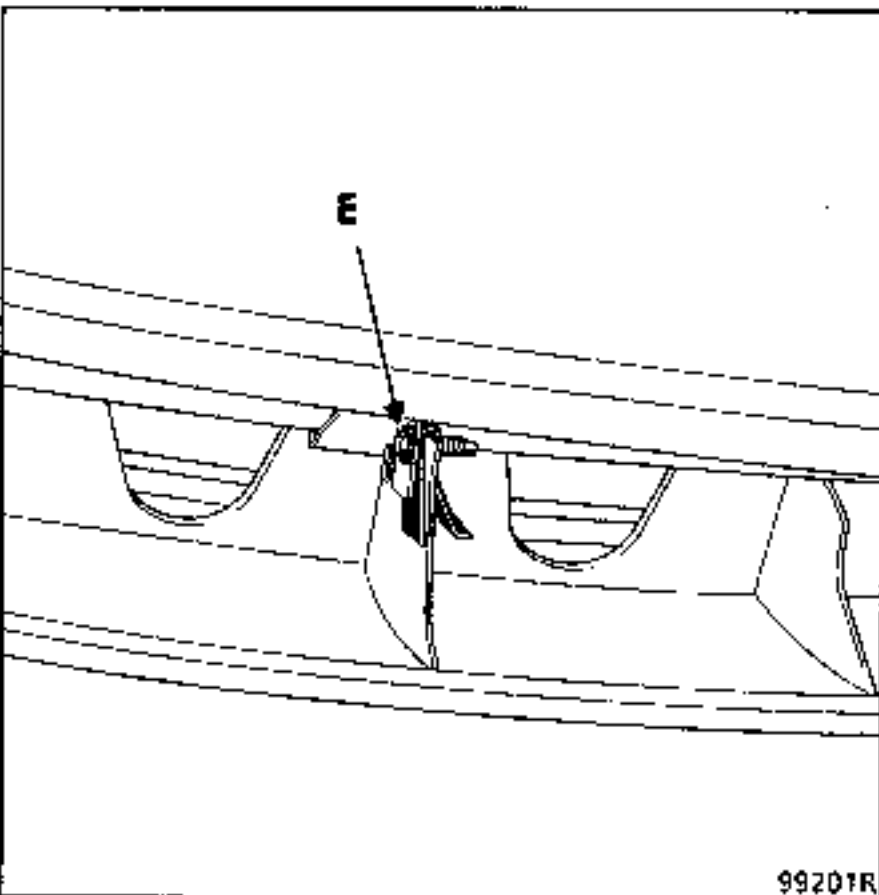
Remove:

- the two upper mounting bolts for the rear shield (B) (on each side),
- the upper side mounting bolt (C) (on each side).

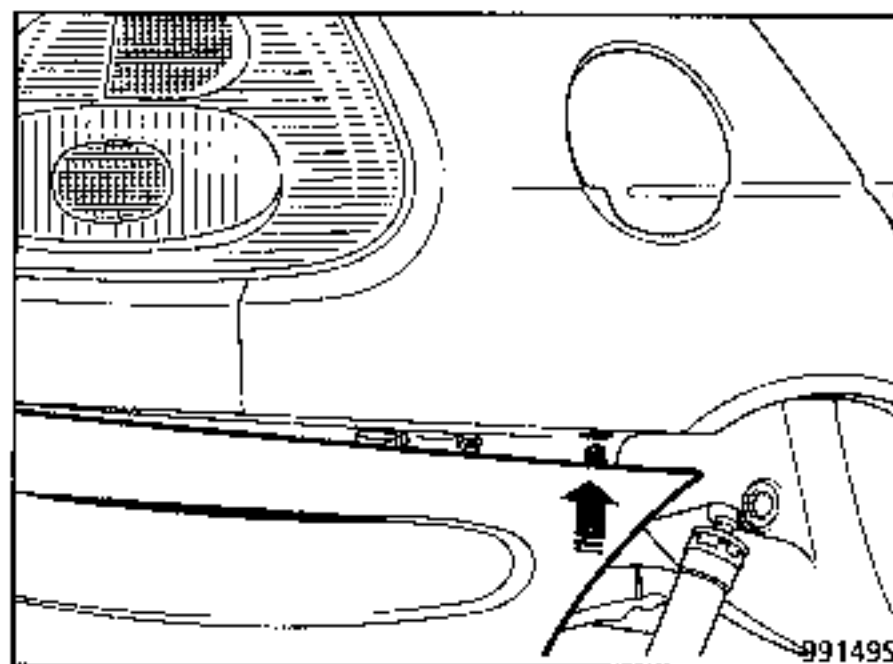


Remove:

- the two lower mounting bolts from the shield (D) (Star 20) (on each side),
- the three lower rear mounting bolts for the bumper (E) (10 mm hexagonal head).



Position of the clips and bolts (E).

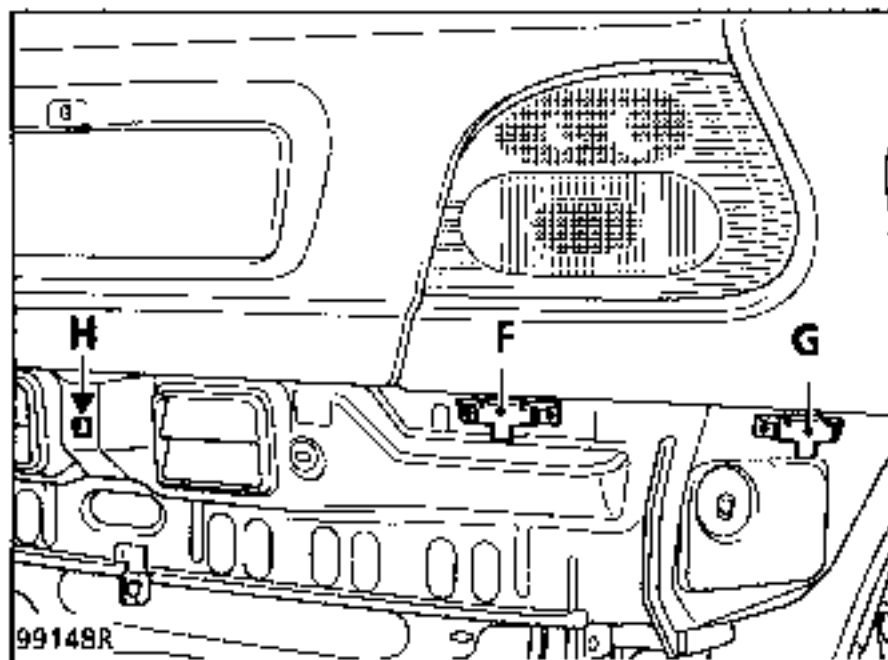


Release the two side centring devices, positioning the bumper in relation to the wing.

Remove the bumper by pulling it forwards.

REFITTING

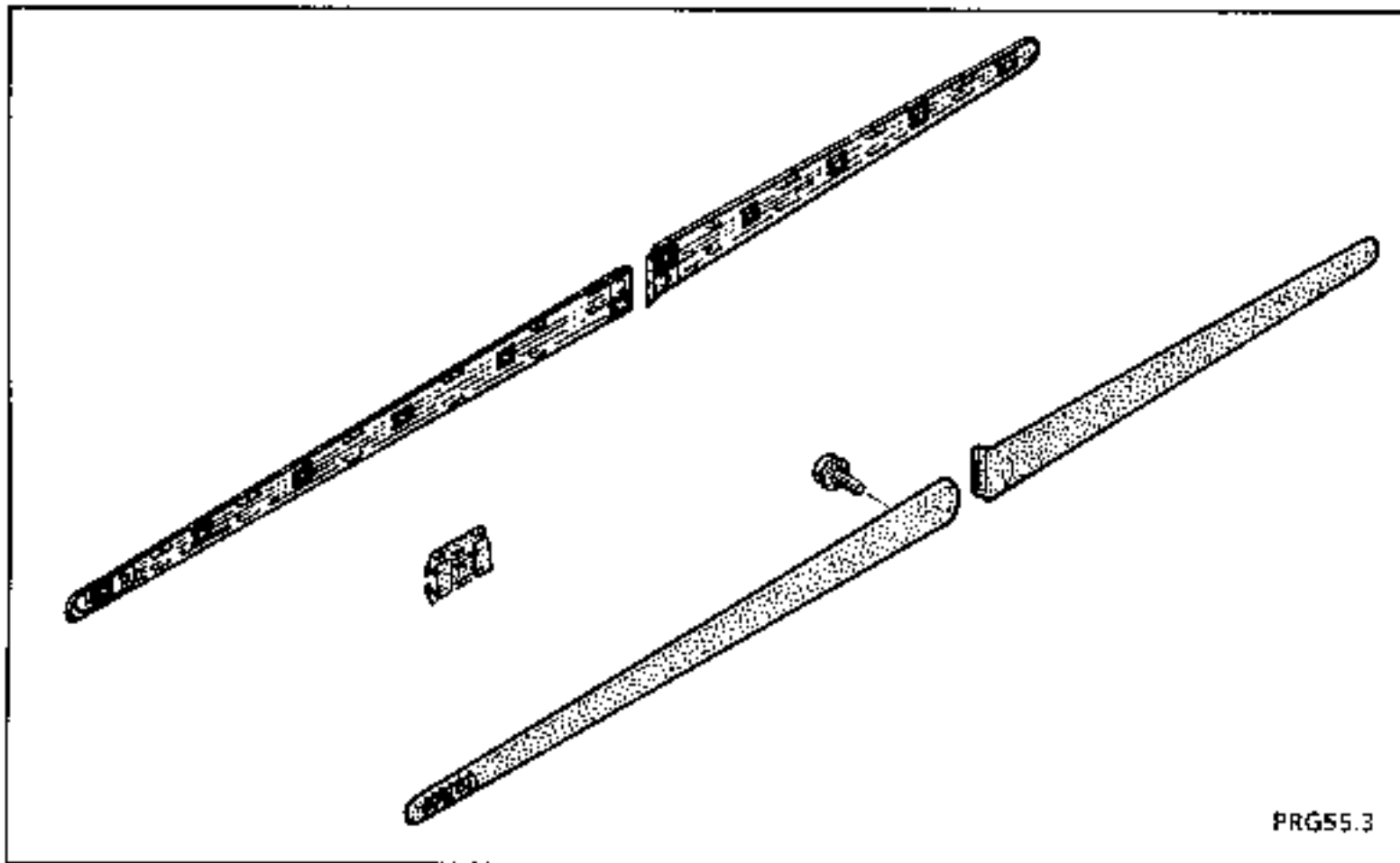
Ensure the rear bumper lower mounting clips (E) are correctly positioned (see previous page).



Ensure the tension devices (F) and (G) (on each side) are correctly fitted to the rear end panel.

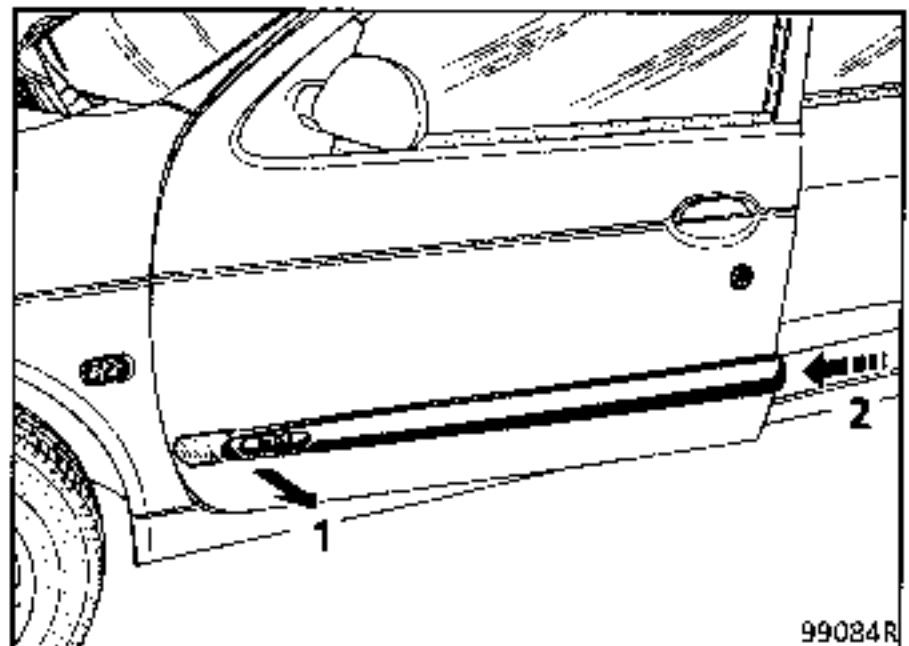
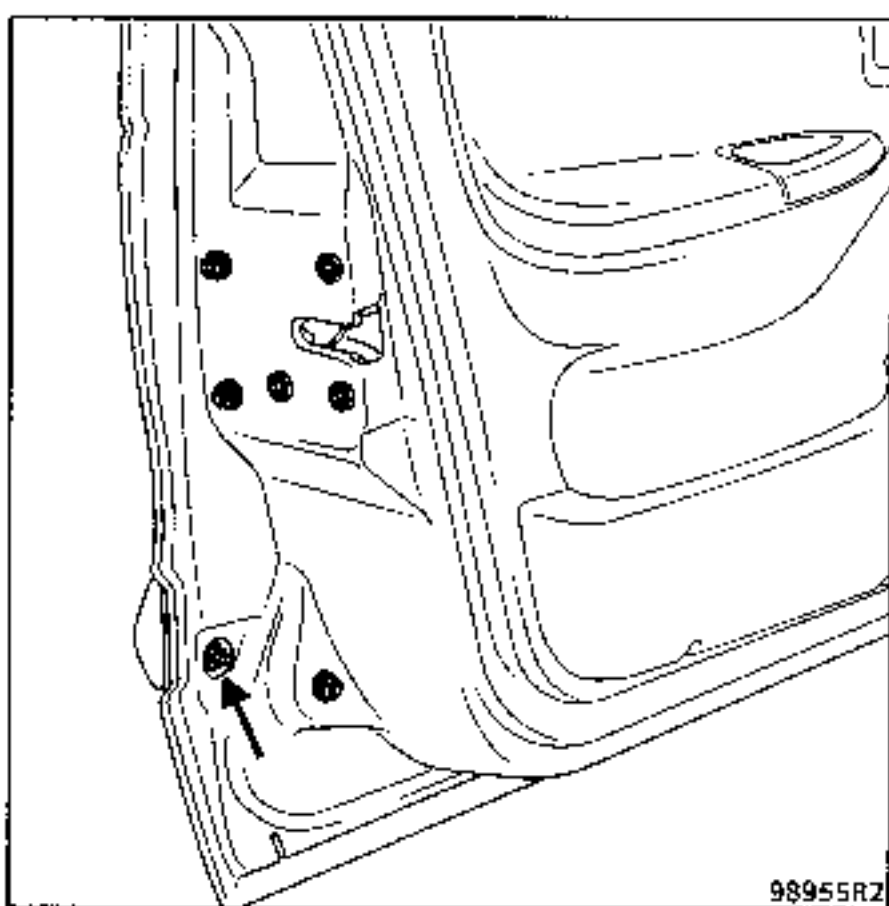
These devices flatten the bumper against the bodywork to ensure the clearance between the body and the bumper is even.

To refit the bumper, position the centring pin in location (H).



The strips are clipped on the outside and mounted by a bolt on the inside.

REMOVING THE FRONT DOOR STRIP

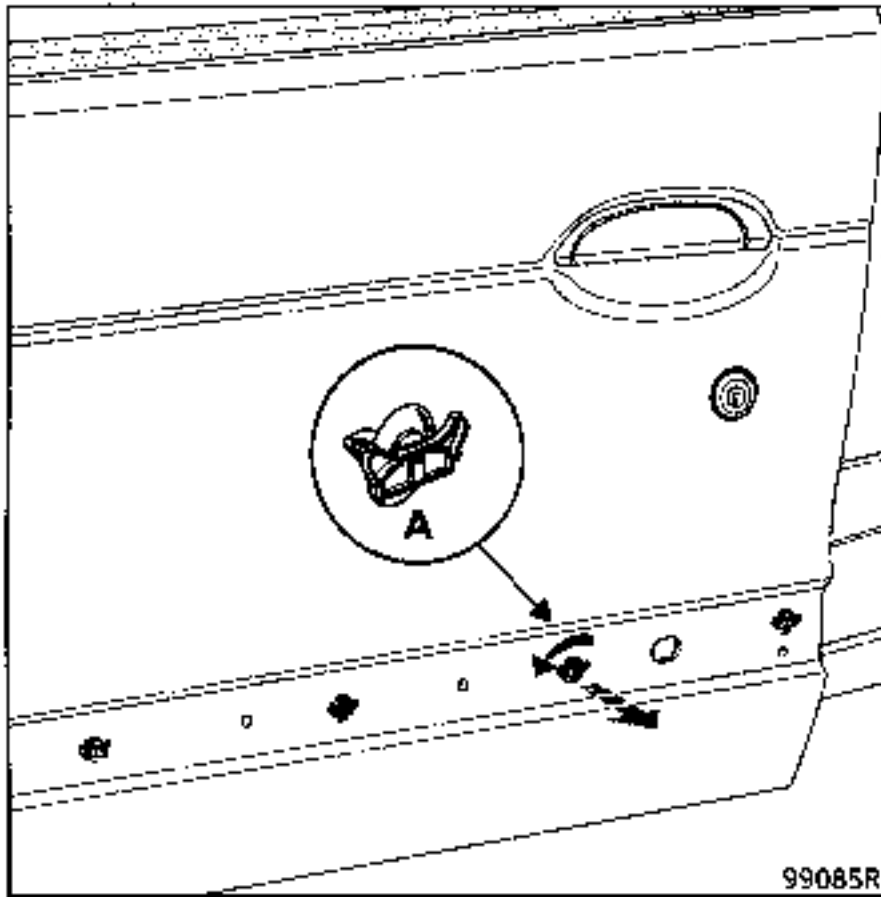


Use a strip of masking tape to protect the front strip area before releasing the strip so the paintwork is not damaged.

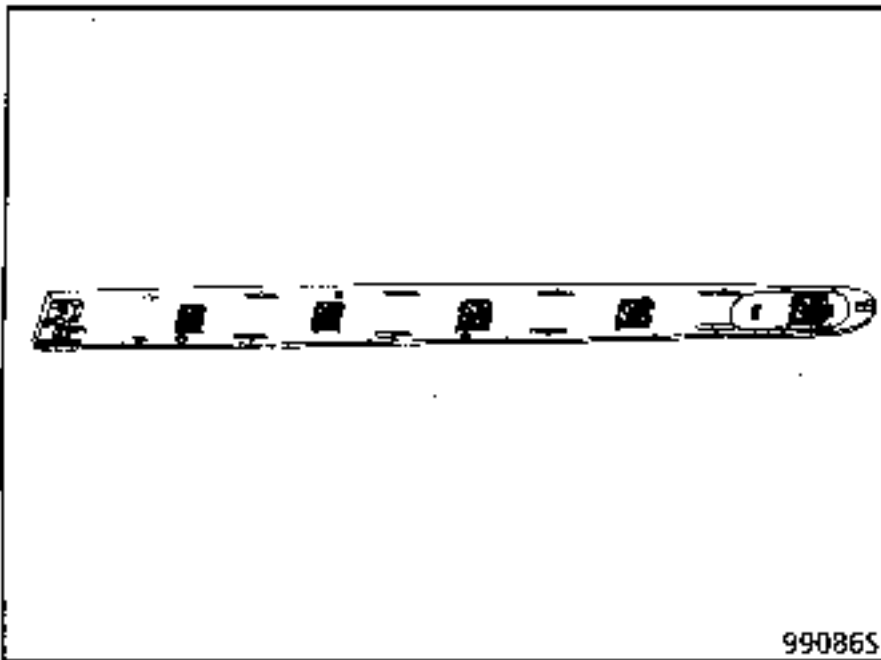
Slide the strip forwards, lifting the part with the monogramme on slightly to release the five retaining clips and the index clip (red).

Remove:

- the blanking cover giving access to the side strip mounting,
- the mounting bolt.

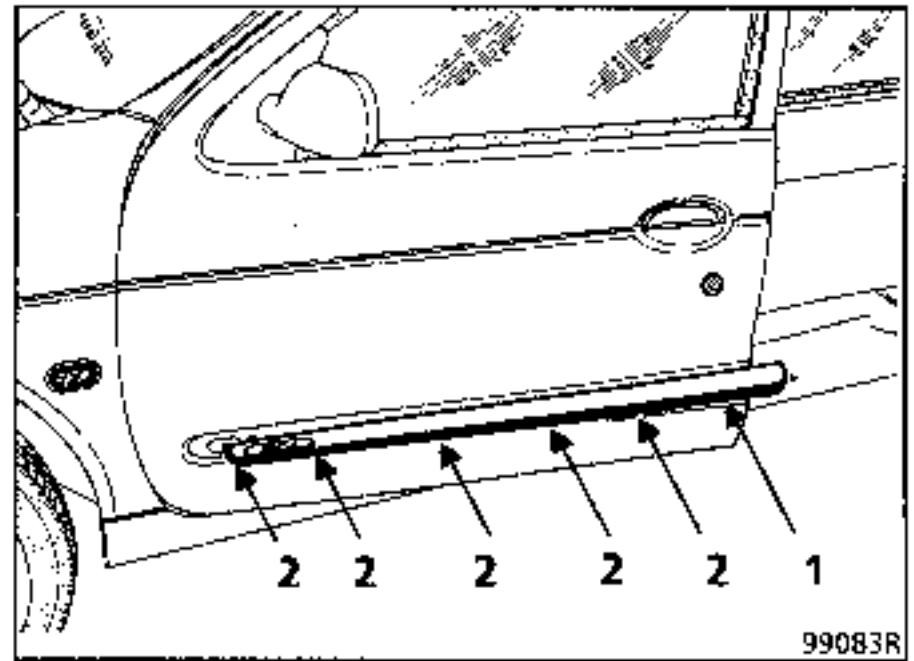


Remove the 5 clips (A) and the red index clip (B) by turning them through 90 degrees.



Refit clips (A) and (B), correctly positioned, to their mountings on the strip.

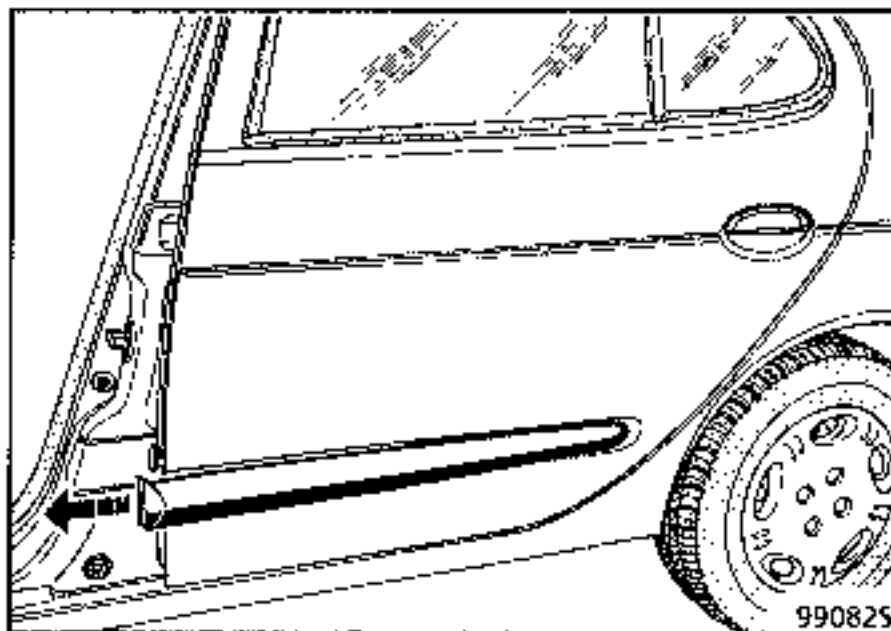
Clips (A) and (B) must be renewed if they are broken (Part Number 77 01 040 837).



Bring the strip into position and connect the red index clip first of all into its location (1).

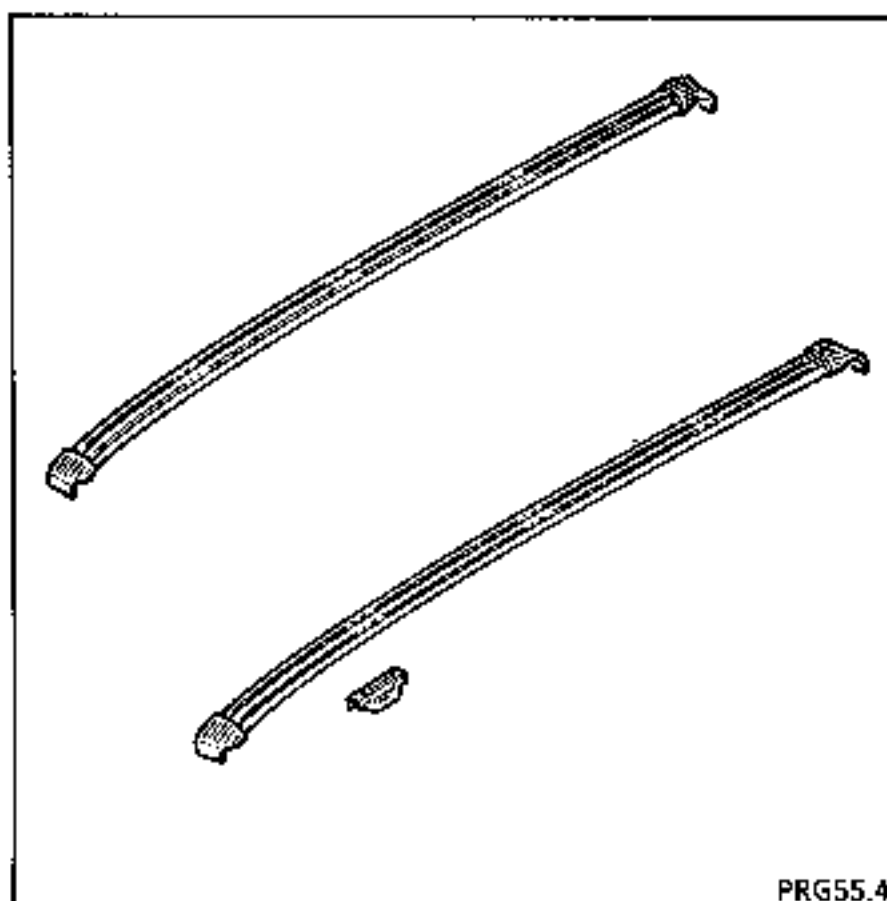
Clip the five other clips into position on the door (2).

REMOVING THE REAR DOOR STRIP



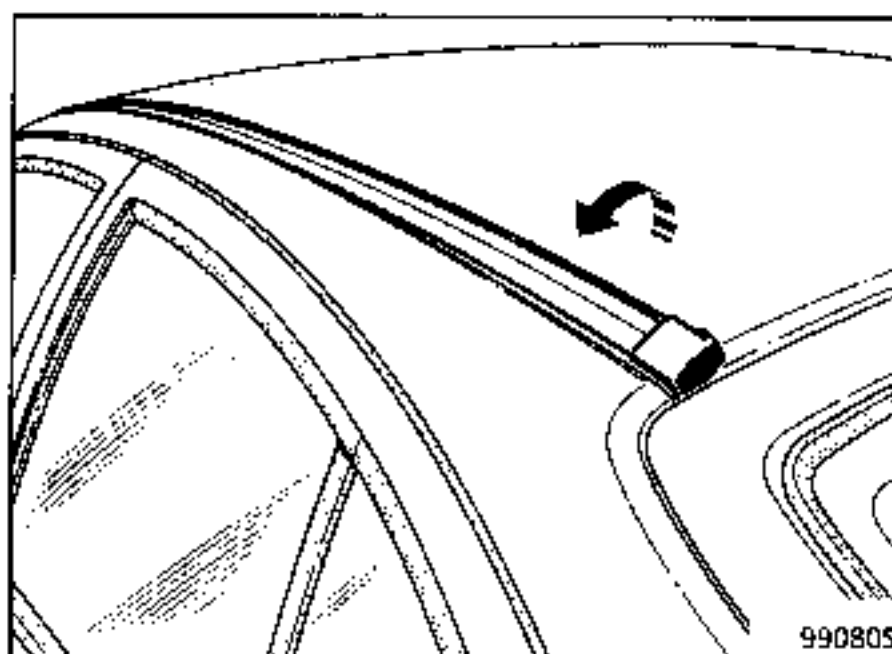
Remove and refit in the same manner as for the front door strip (protection for the paintwork is not required when removing the strip).

NOTE : the strip mounting bolt is at the door hinge end.



The roof trim is mounted with seven clips of the same type.

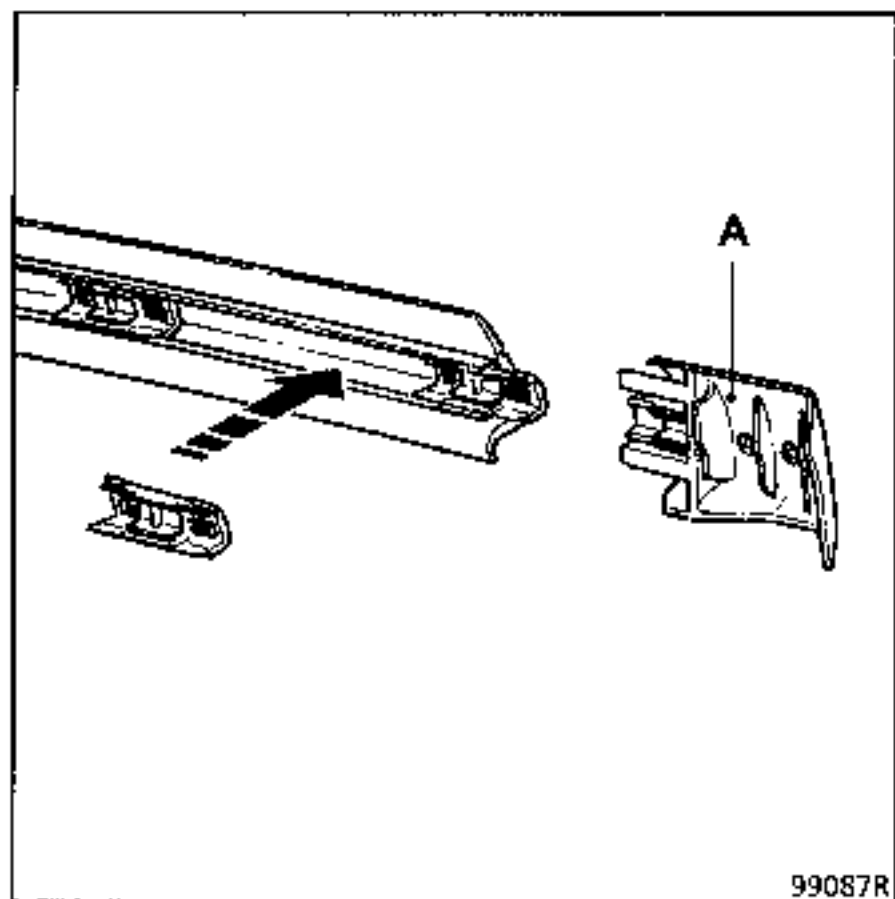
REMOVAL



Begin at the rear of the roof.

Unclip by moving the clips sideways by hand (as shown above) so the clips are not damaged and the trim section is not deformed.

NOTE : if the trim is difficult to remove, use the tool for removing the rear view mirror, tool Car. 1363, to make the operation easier.

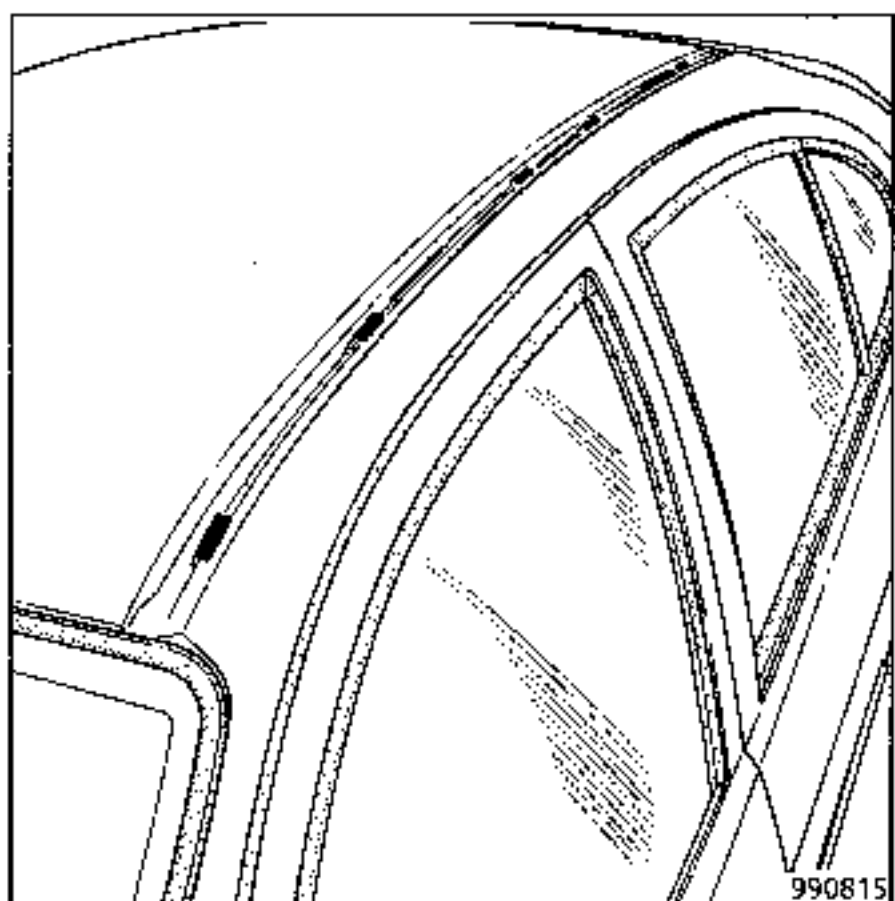


Refit the end section (A) to the trim.

Fit the rear section to the vehicle and clip it up to the front of the vehicle.

Adjust the end section (A) so the trim is against the end stop at the rear of the roof.

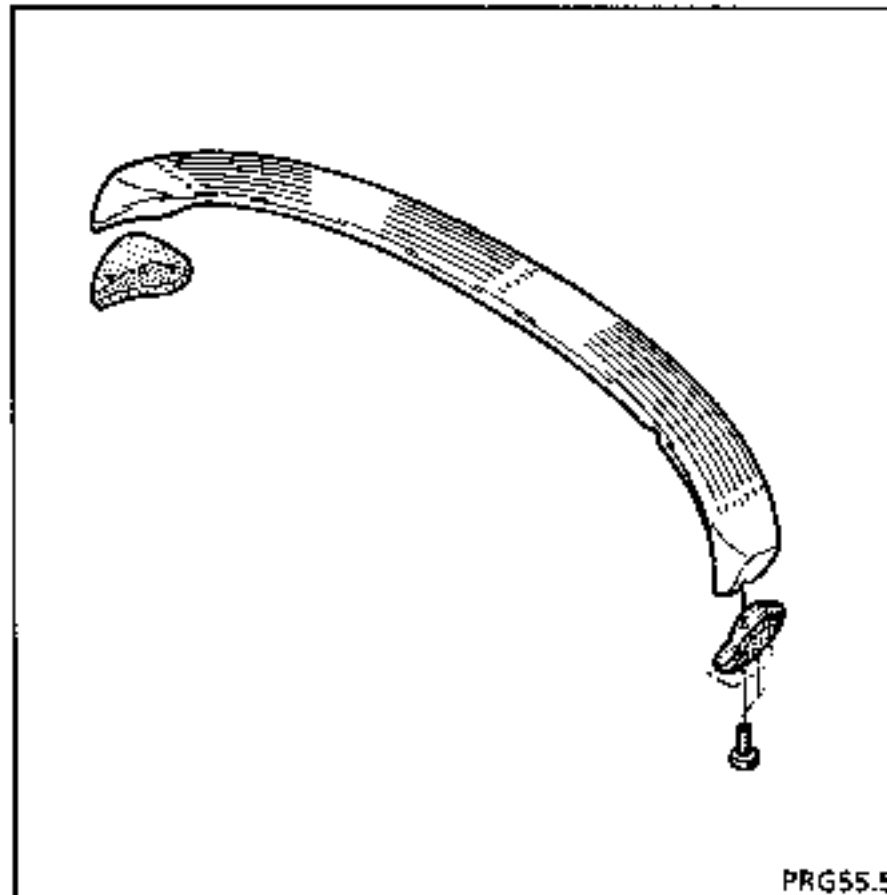
Release the adjustable end section of the trim (A). Slide forwards and remove the clips which remain in the trim rail.



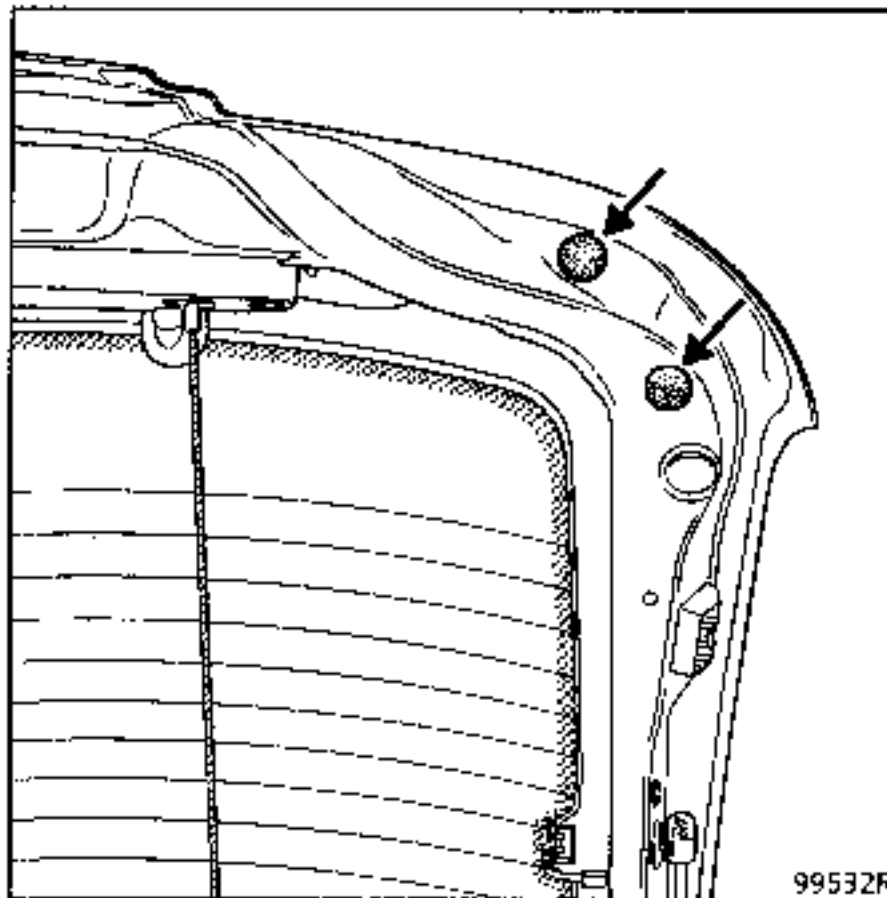
Position the clips on the roof (as shown above).

Gently press each clip at the top, to slide it back into position in the roof rail.

Renew any clips broken on removal (Part Number 77 03 077 341).

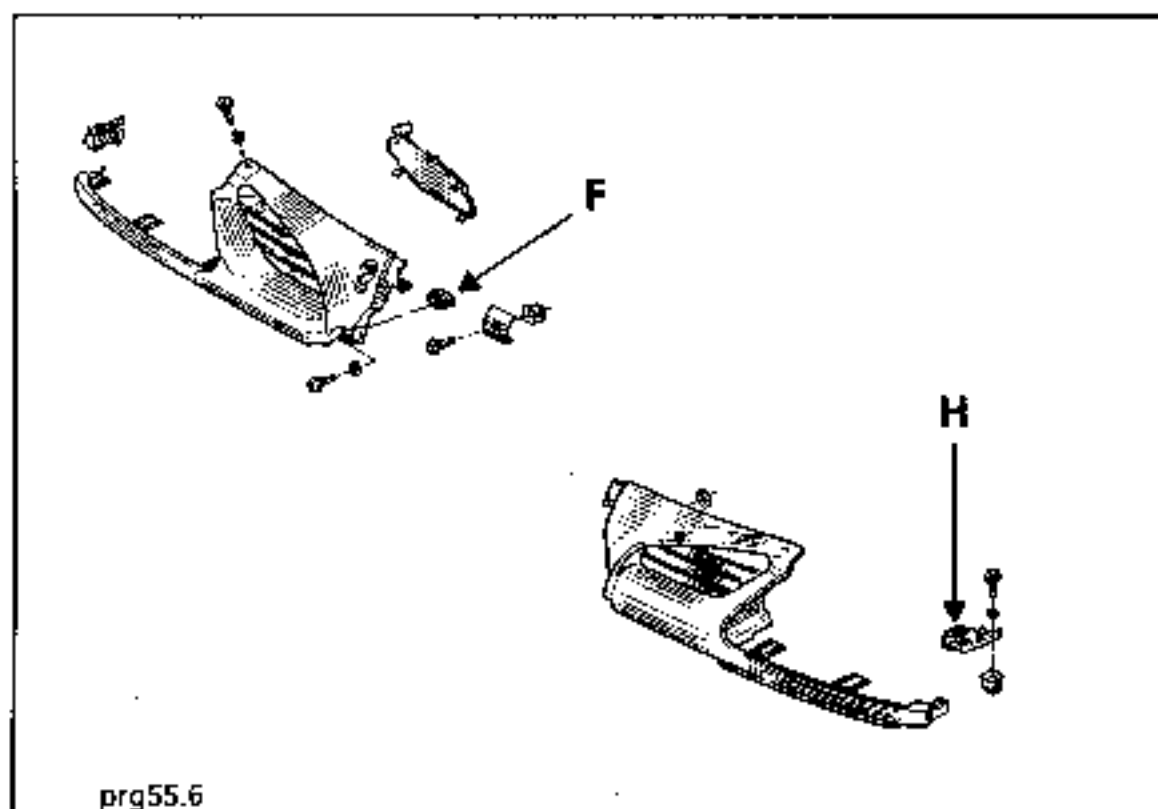


REMOVAL

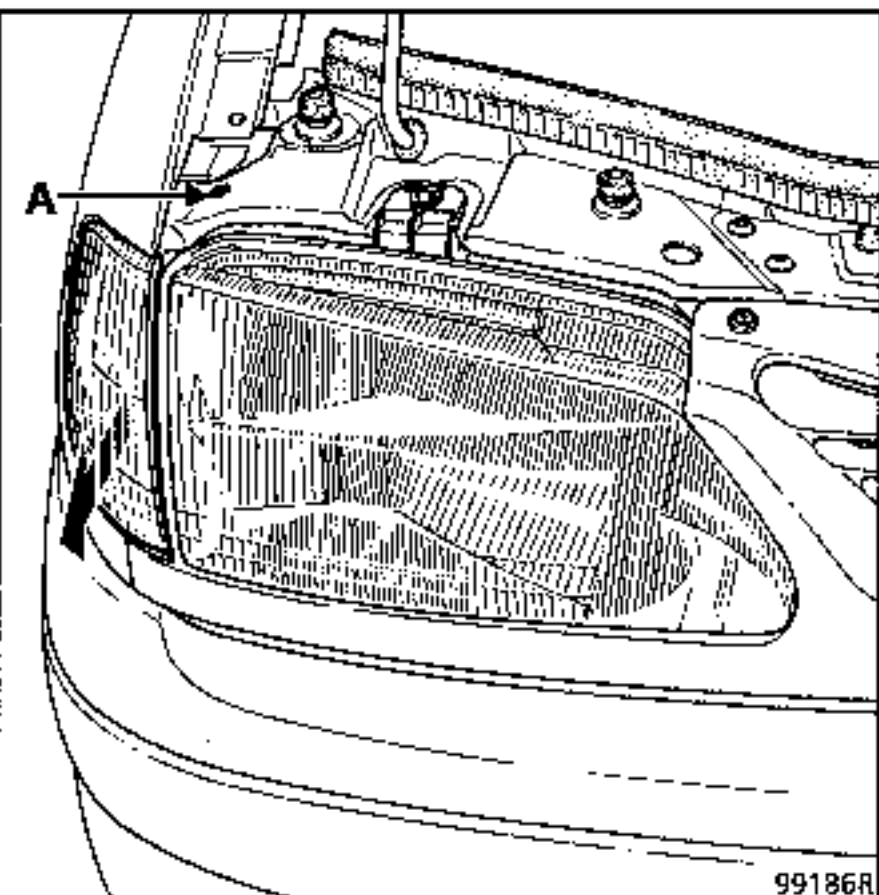


Remove :

- the two covers concealing the mountings for the rear spoiler on the tailgate (on each side).
- the two mounting bolts (on each side).
- the spoiler.

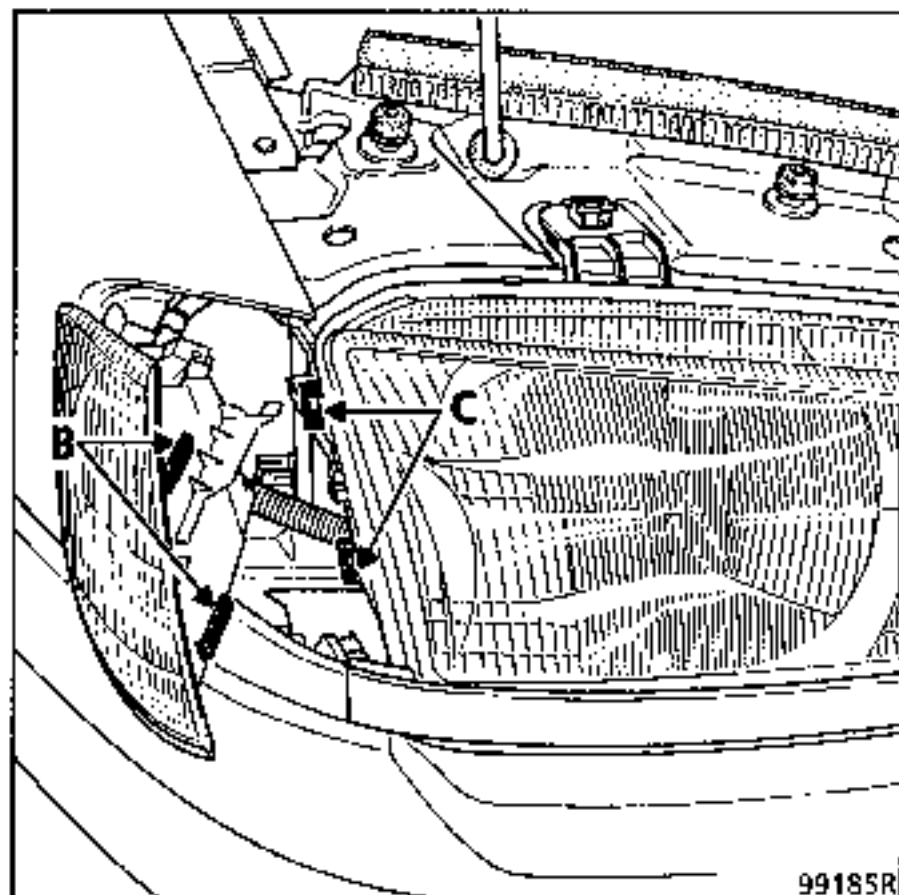


REMOVING THE RADIATOR HALF GRILLE



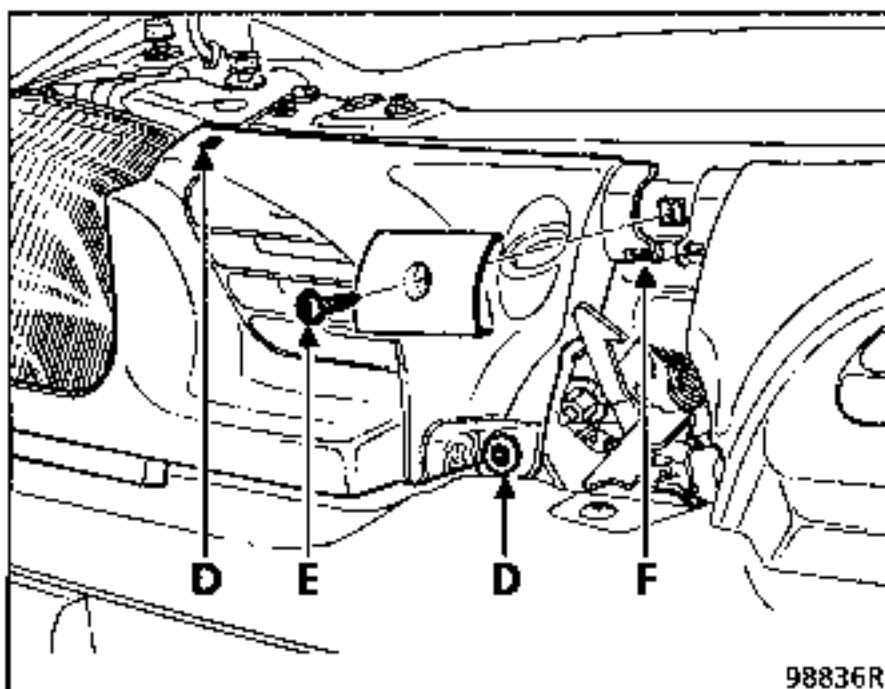
Slacken the mounting bolt slightly (Star 20) for the direction indicator, by inserting a screwdriver through hole (A).

Release the light by sliding it along the lens unit.



Release the two tabs (B) from housings (C) sliding the indicator along the lens unit.

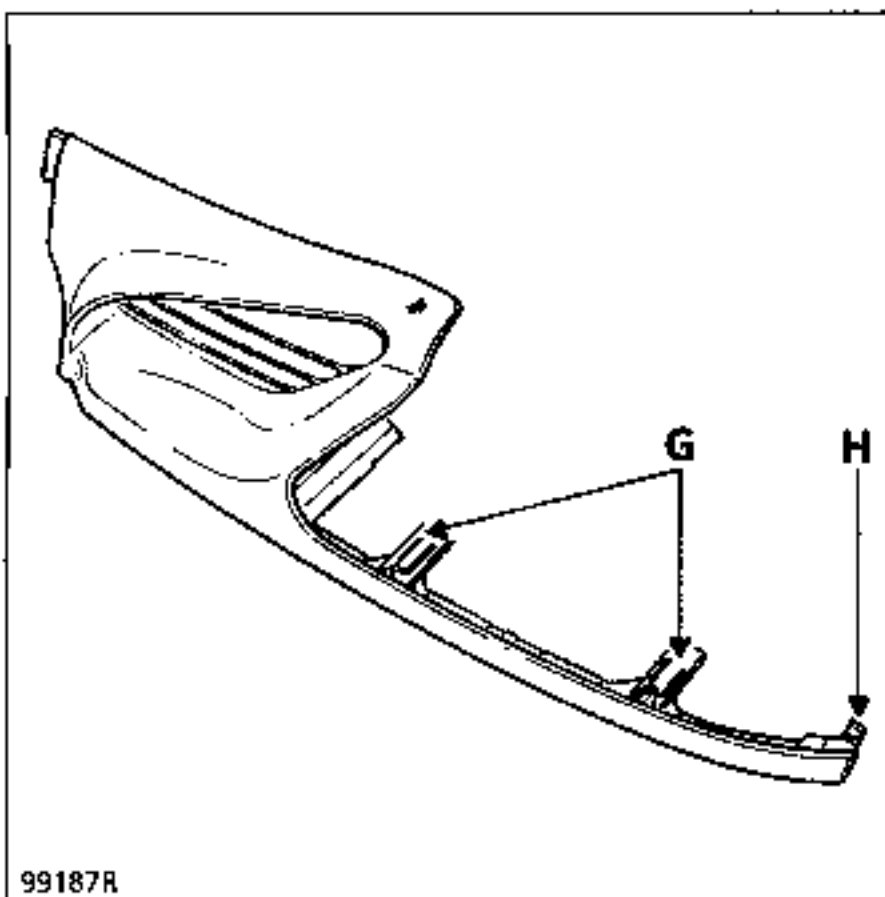
Disconnect the connector.



Remove:

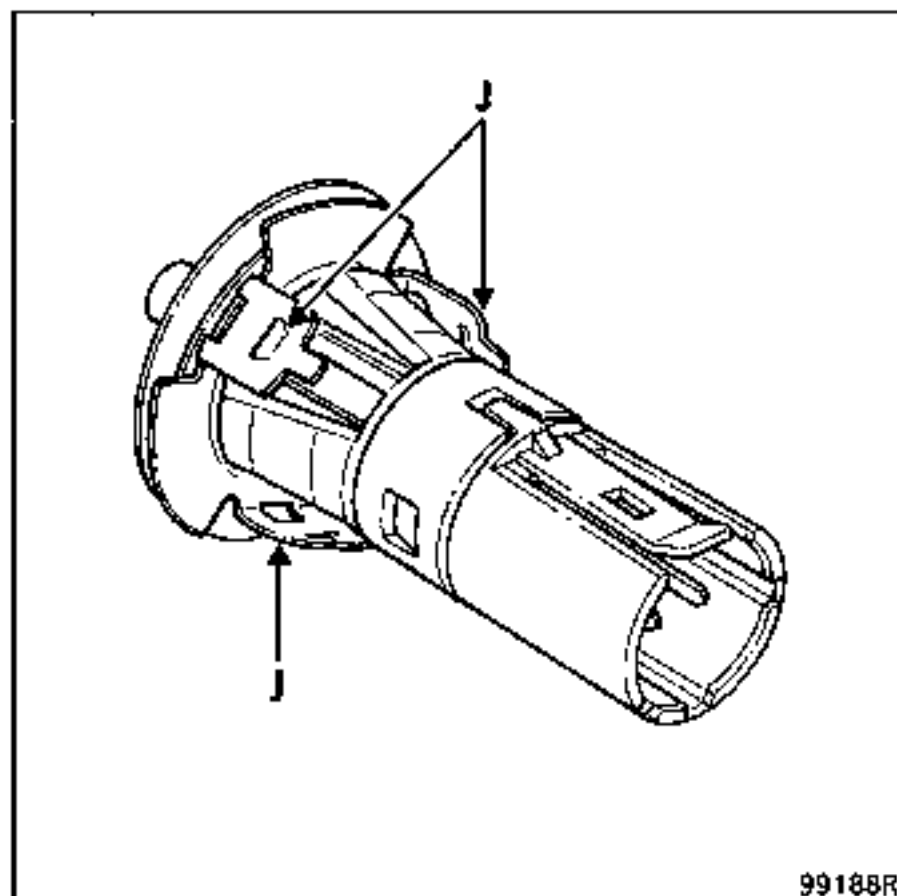
- the two bolts (D) (Star 20),
- the mounting bolt for the half grille (E) (Star 20).

Unclip the grille in the centre (F).



Unclip:

- the grille at the bottom (G),
- the side sections by lifting tabs (H)



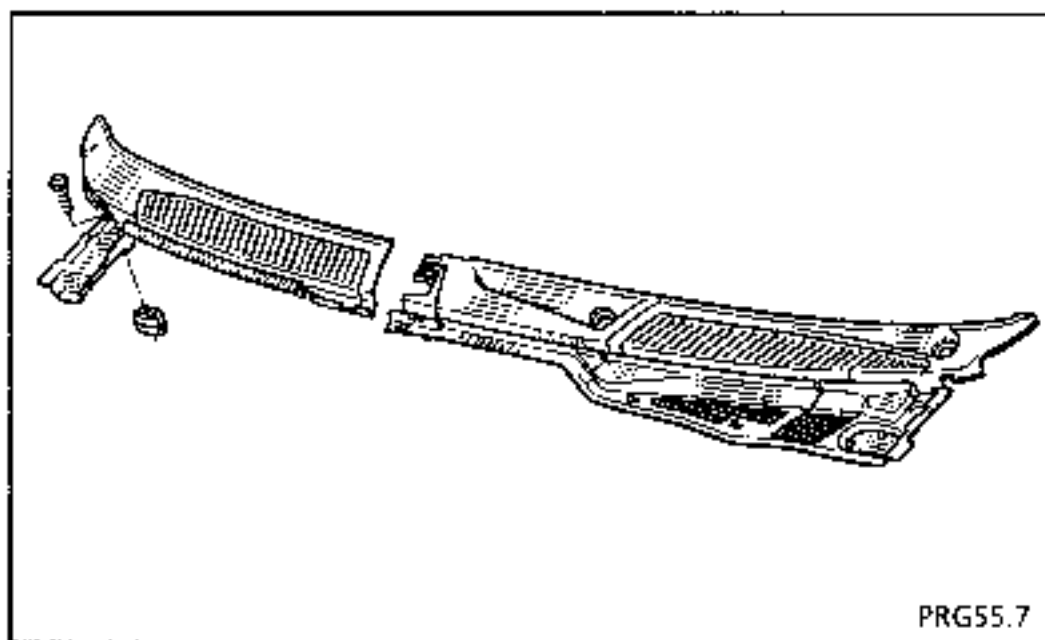
If the vehicle has a "bonnet closed" switch fitted on the right hand side of the grille, remove the switch and disconnect it.

To do this:

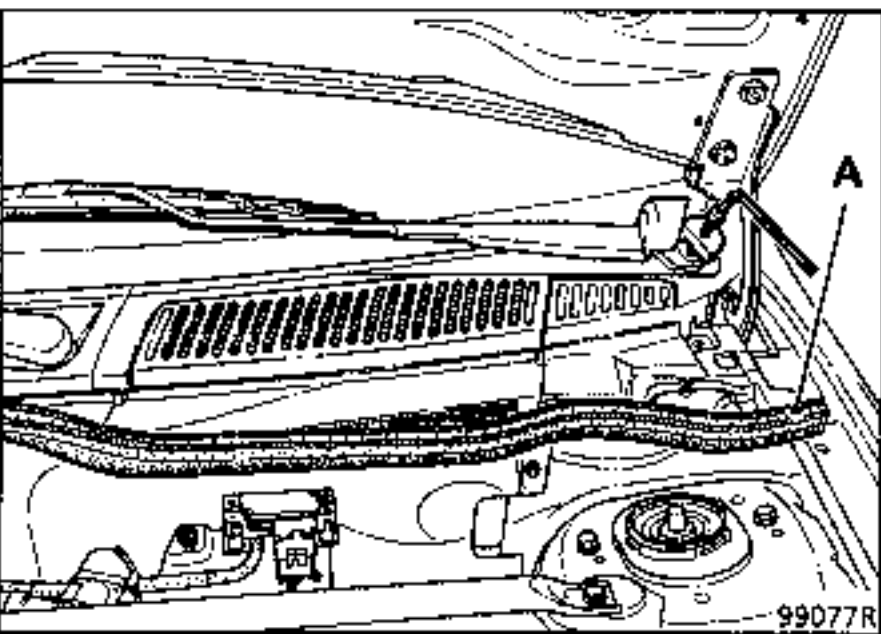
- release the three metal clips (J) and remove the switch.

Remove the radiator grille with care.

Special notes for vehicles fitted with air conditioning: before refitting, remove the ventilation grille blanking plugs.

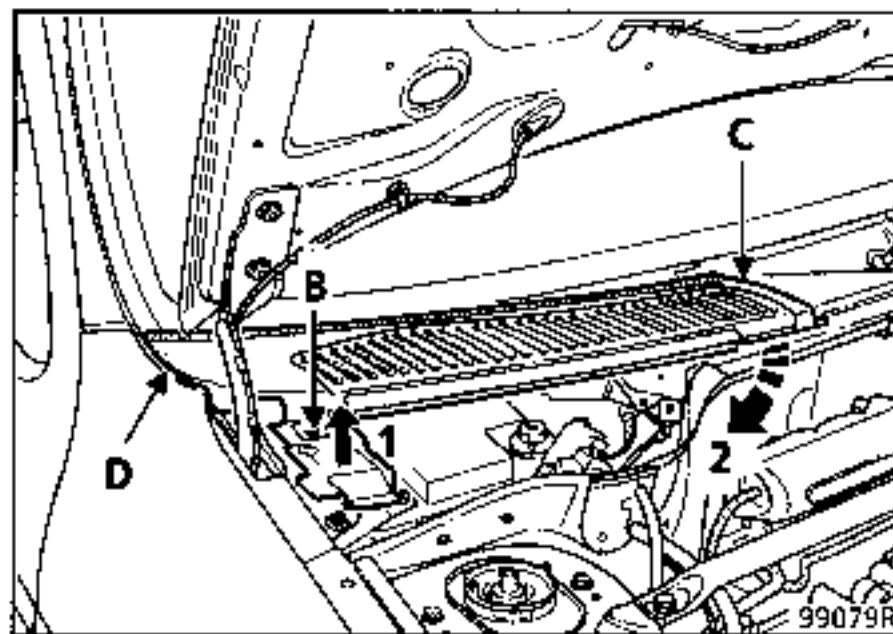


REMOVAL



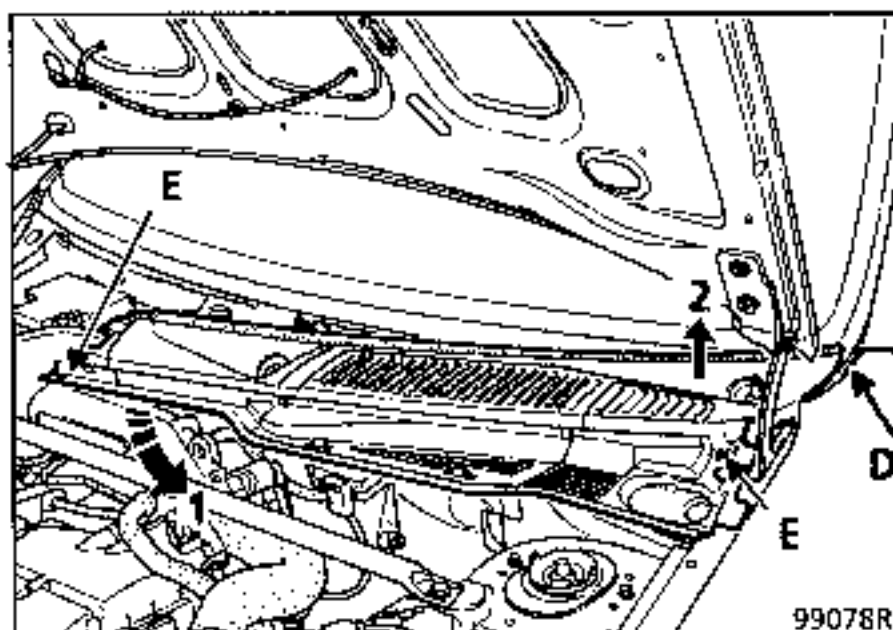
Remove:

- the windscreen wipers (remove the wiper arms using tool Elé. 1294),
- the seal (A).



Remove bolt (B).

Unclip the grille at (C) and release it by pivoting it in relation to the corner of the windscreen to release section (D).



Remove the second half grille in the same manner.

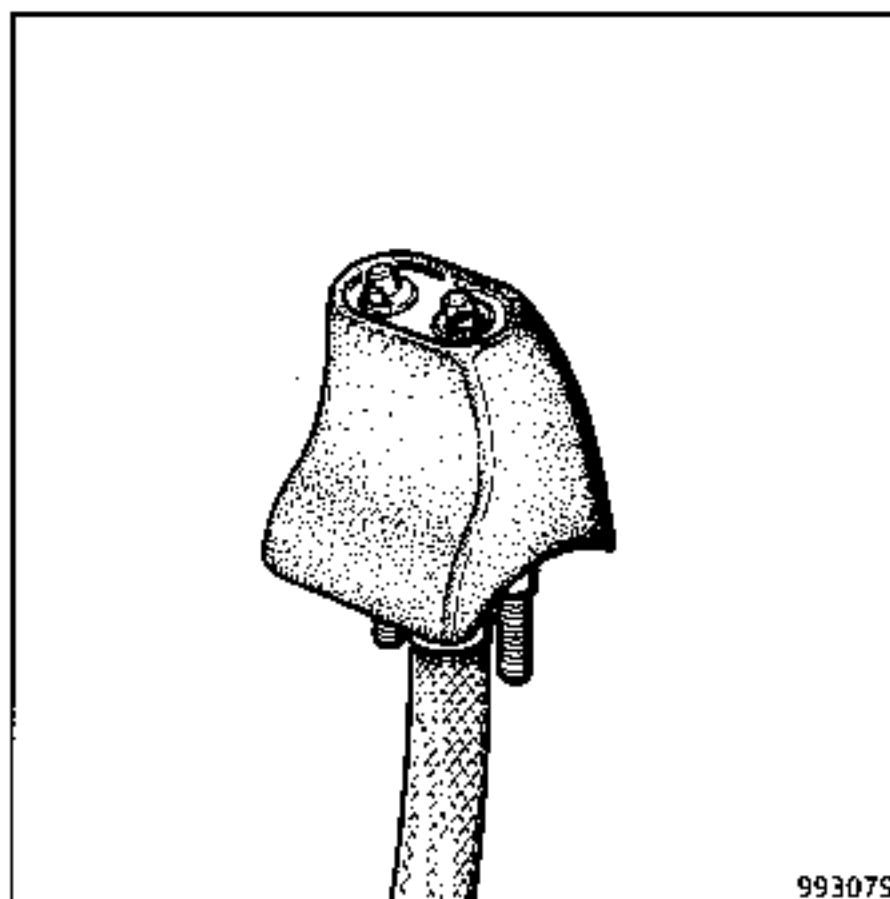
Remove the mounting bolts (E).

REFITTING

First slide brackets (D) under the side edges of the scuttle panel then pivot the two half grilles again as for removal.

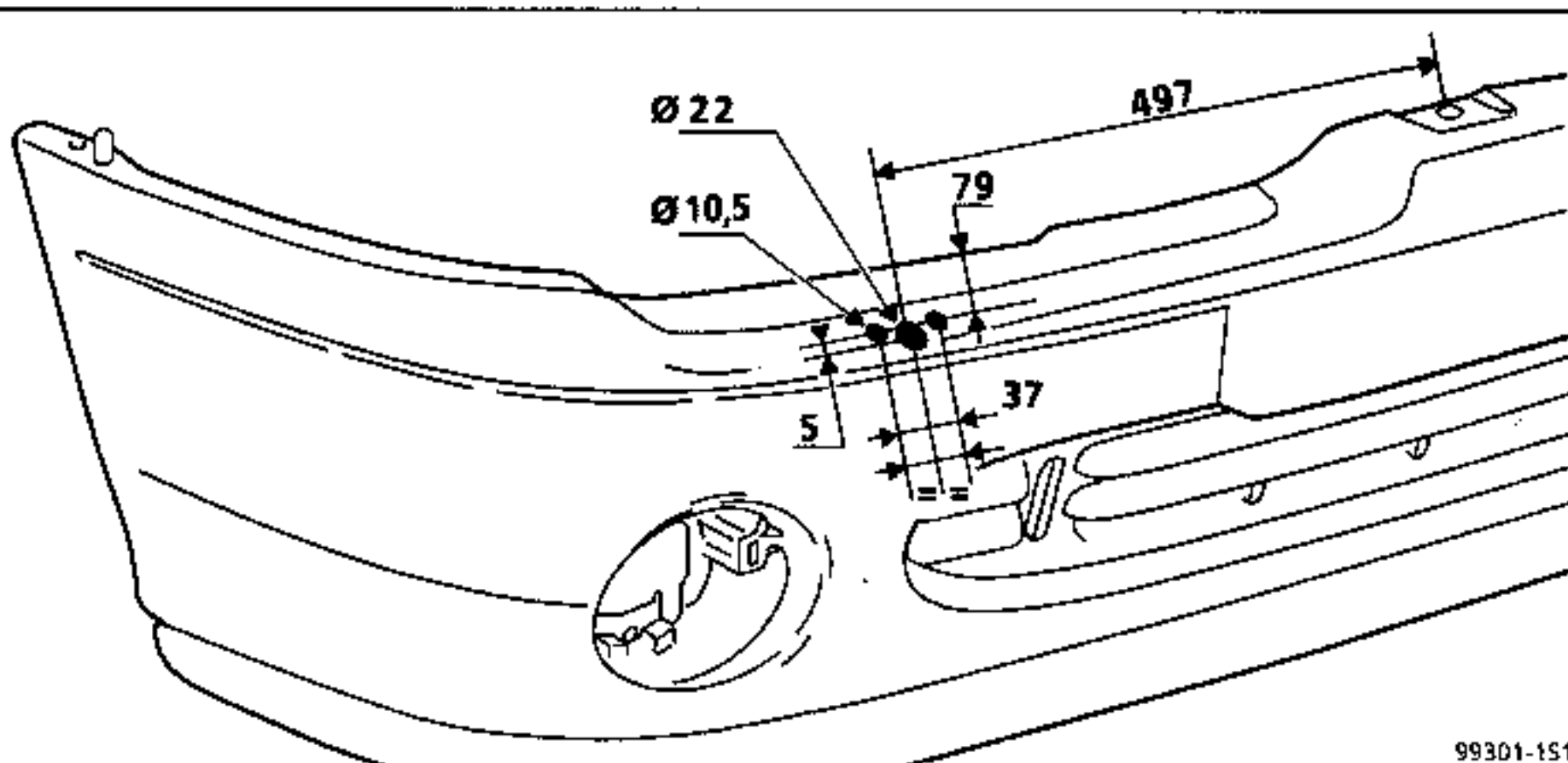
Ensure the seal (A) is correctly positioned.

Torque tighten the windscreen wiper mountings (see section 85).



For vehicles fitted with headlight washer jets, when the front bumper is replaced the mounting holes for the two washer jets must be drilled in the new bumper.

Bumpers from the Parts Department are not supplied with holes for standardisation reasons.

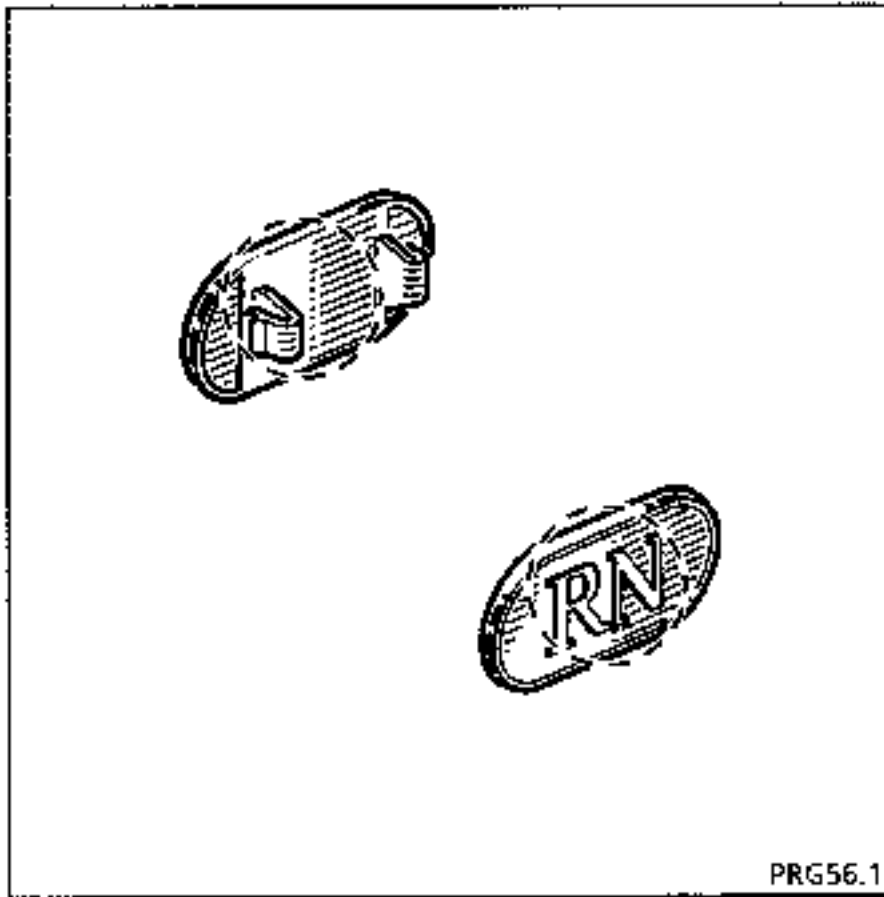


Make marker holes following the dimensions above.

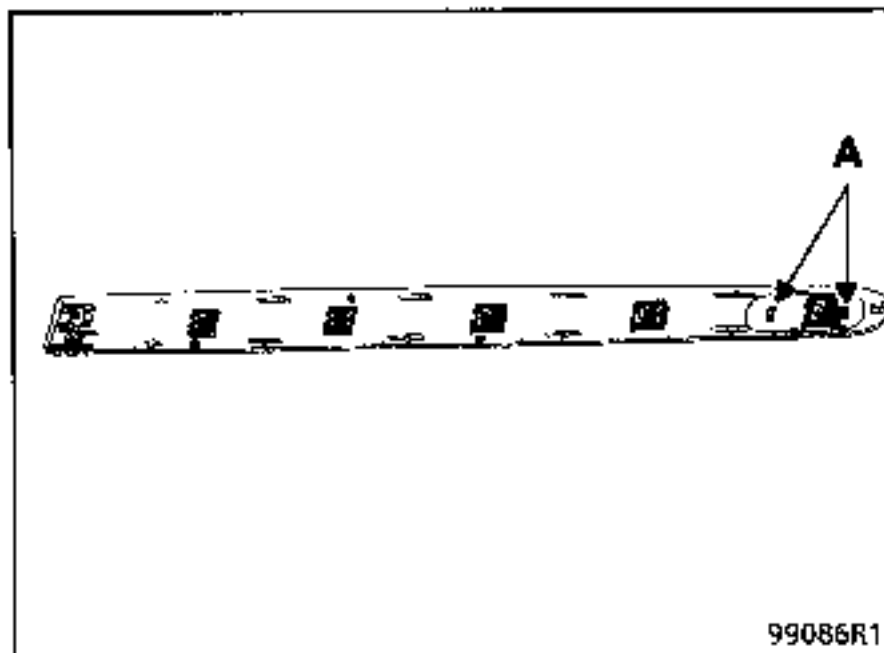
At each end of the bumper, drill:

- 2 holes (A) diameter 10.5.

- 1 hole (B) diameter 22.



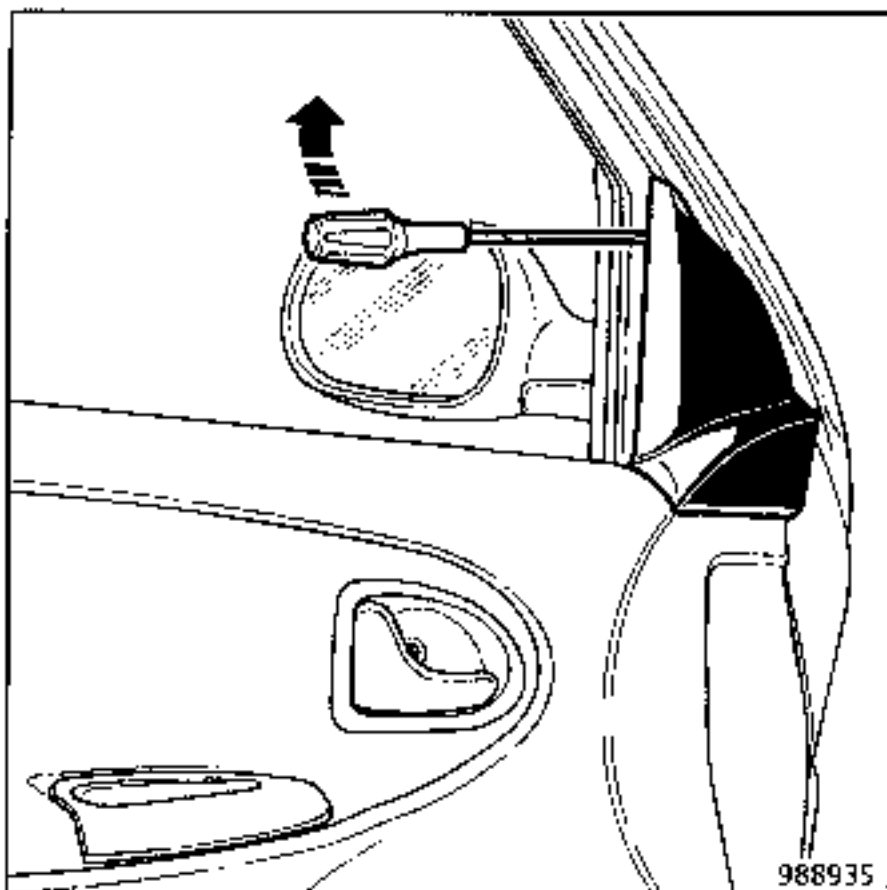
REMOVAL



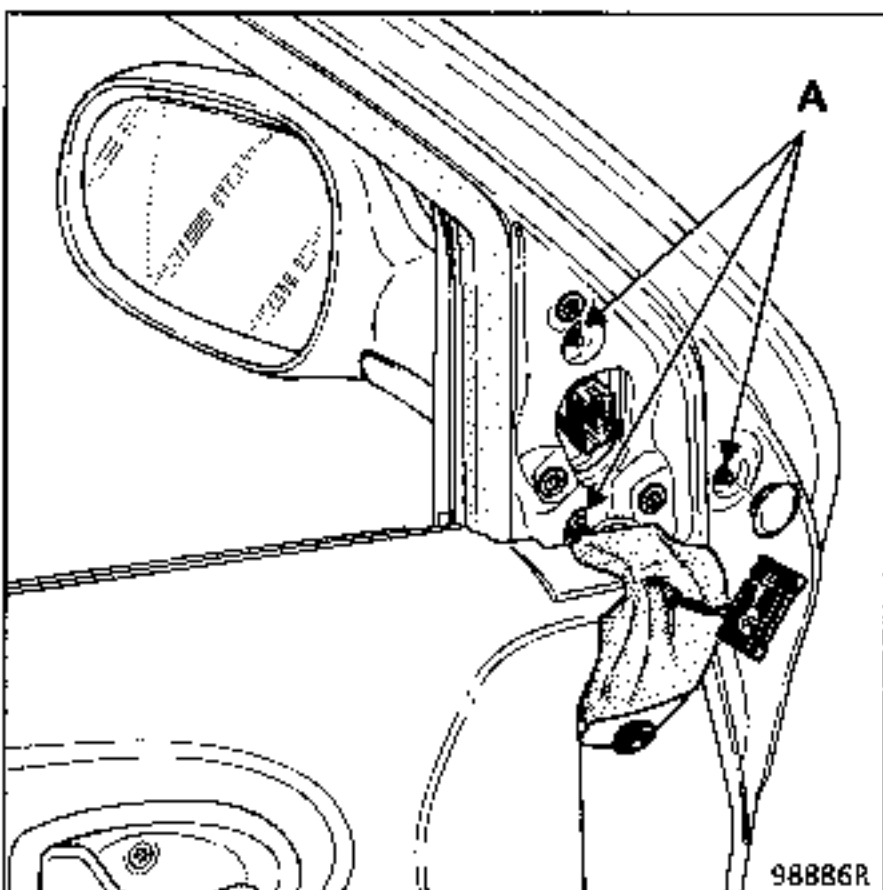
Remove the side strip (see 55C).

Release the two plastic clips (A) and remove the monogramme.

REMOVAL OF ELECTRIC REAR VIEW MIRROR



Remove the interior cover.

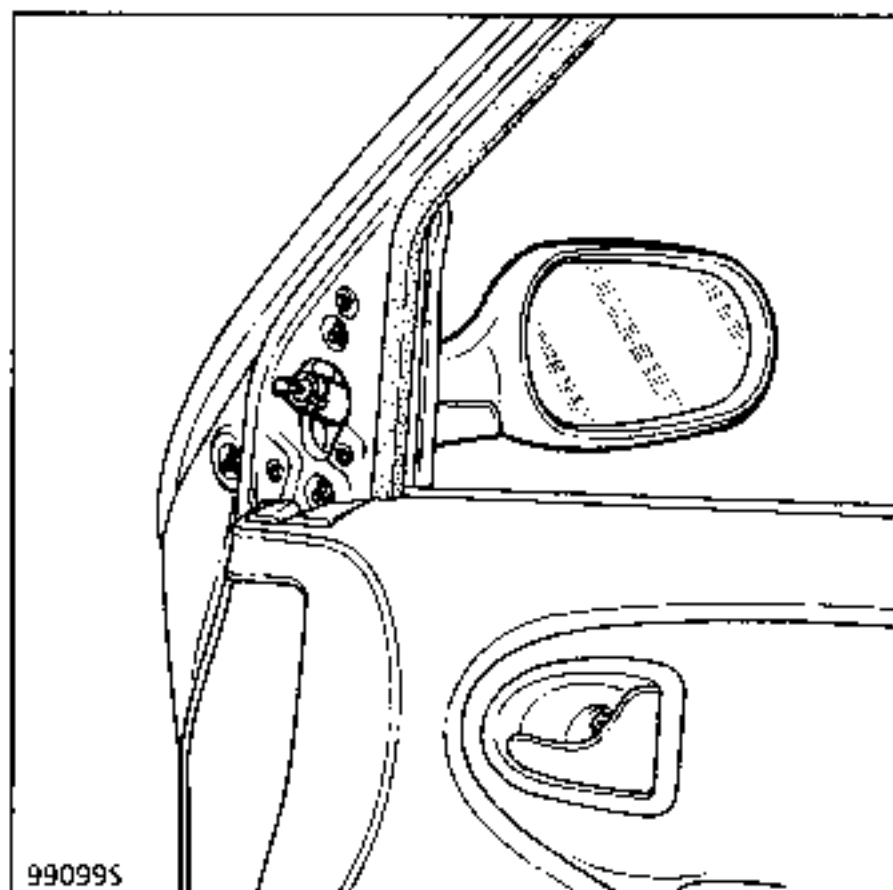


Remove:

- the bolt cover,
- the sealing foam,
- the three mounting nuts (A).

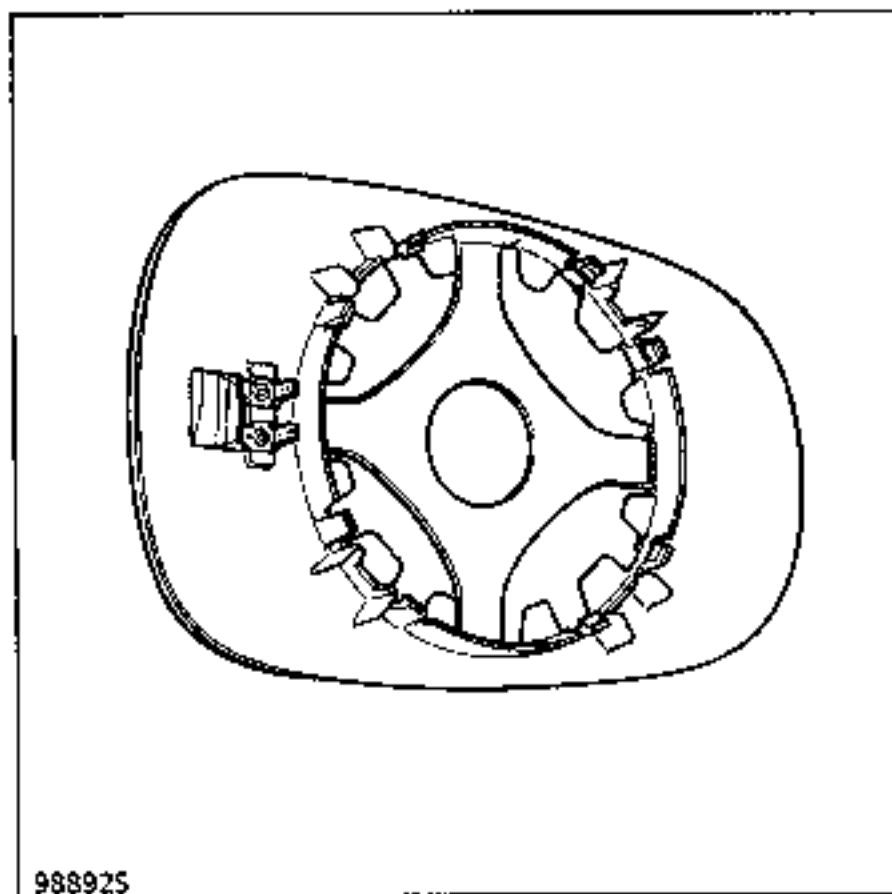
Disconnect the wiring.

REMOVAL OF MANUAL REAR VIEW MIRROR

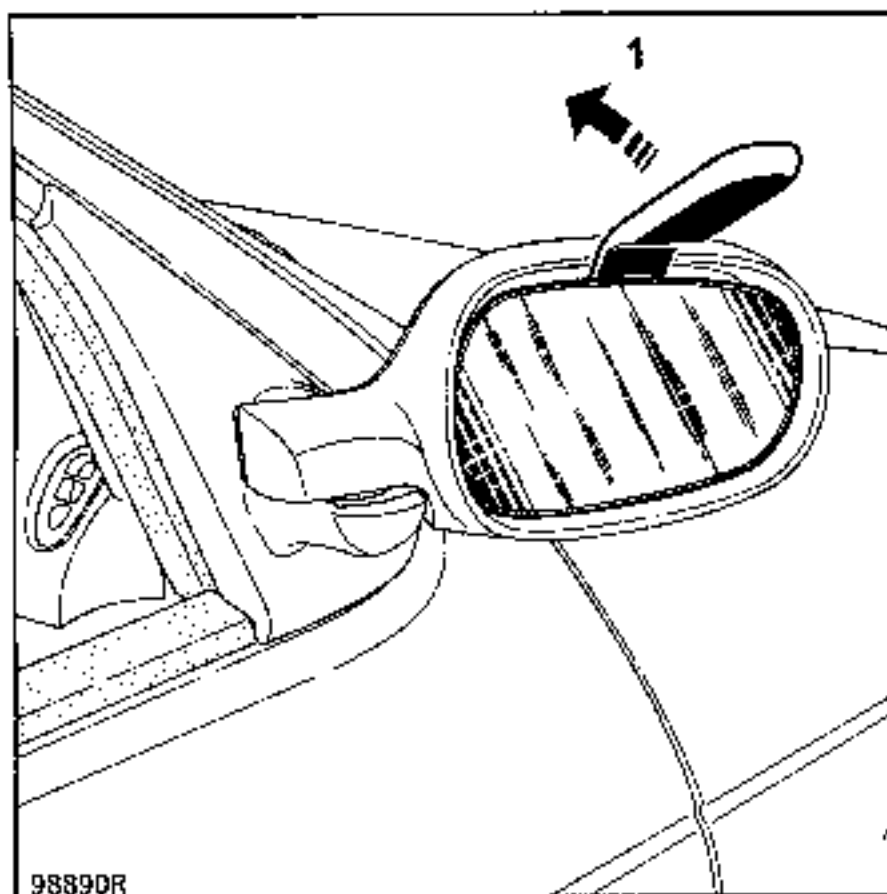


Remove:

- the interior cover,
- the rubber ring,
- the sealing foam,
- the three mounting bolts.

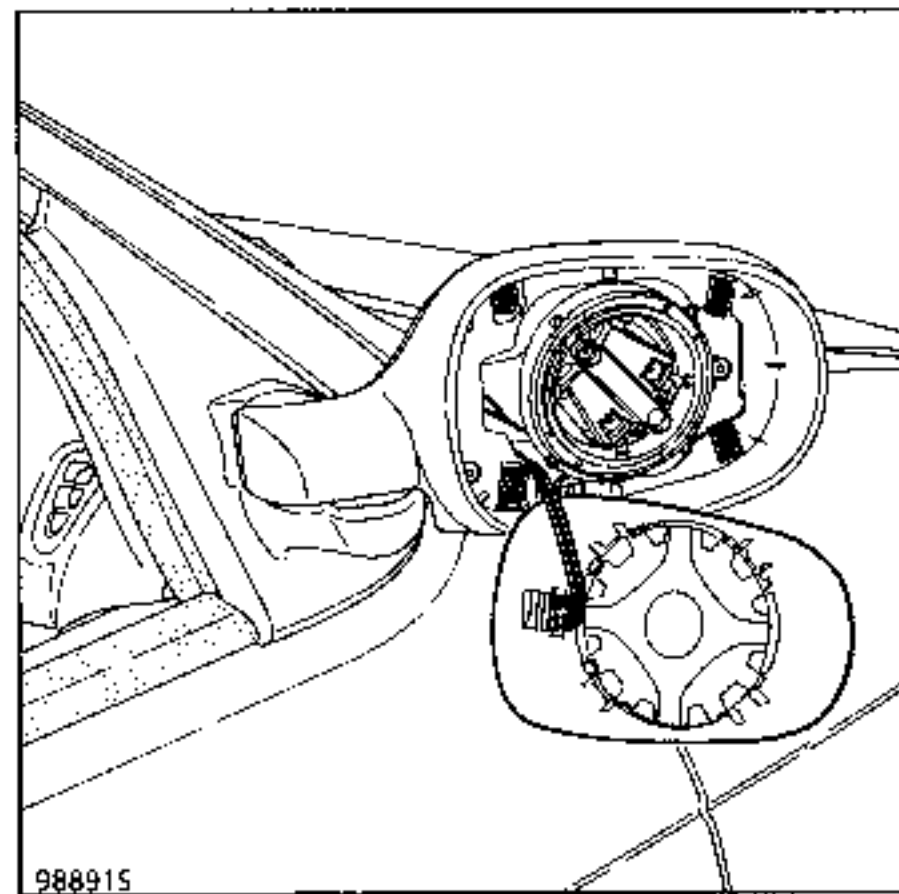


REMOVAL



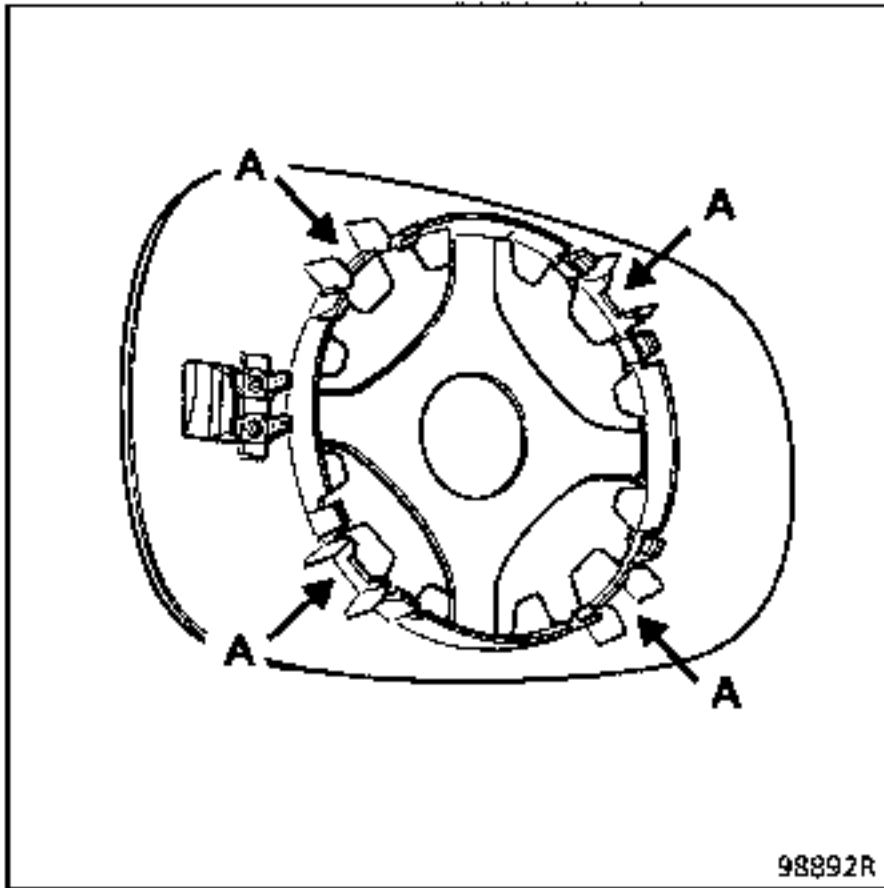
Tilt the mirror outwards.

Insert tool Car. 1363, placing it against the edge of the plastic shell of the mirror and push as shown above (1).

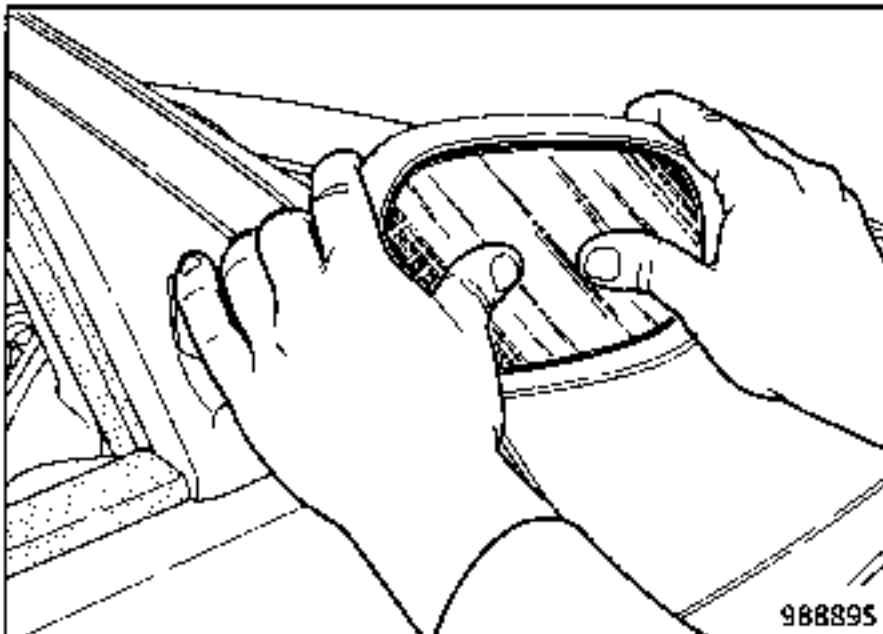


Disconnect the de-icing wiring.

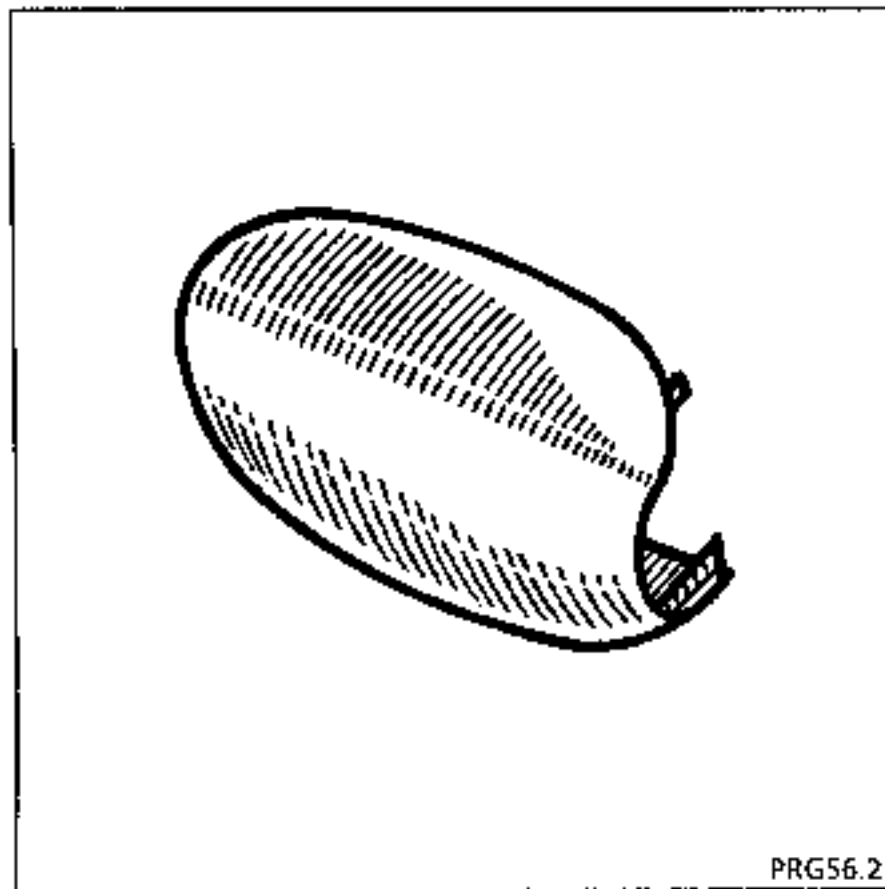
REFITTING



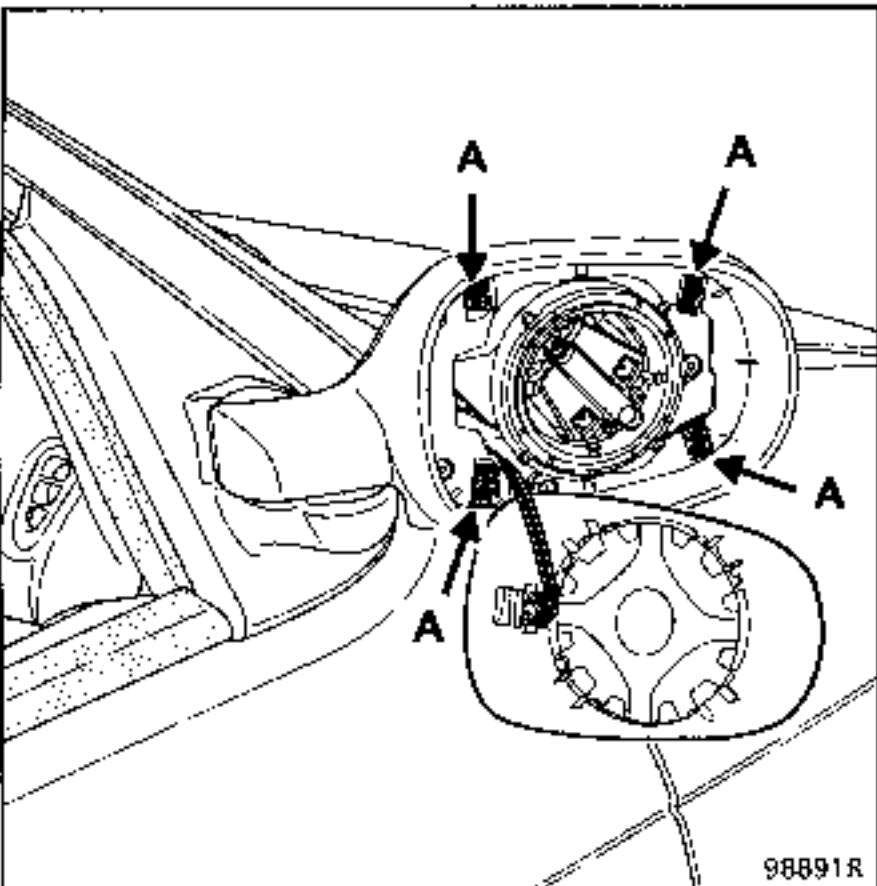
To position the glass, use the guides (A).



Position the glass and press to clip it into position.



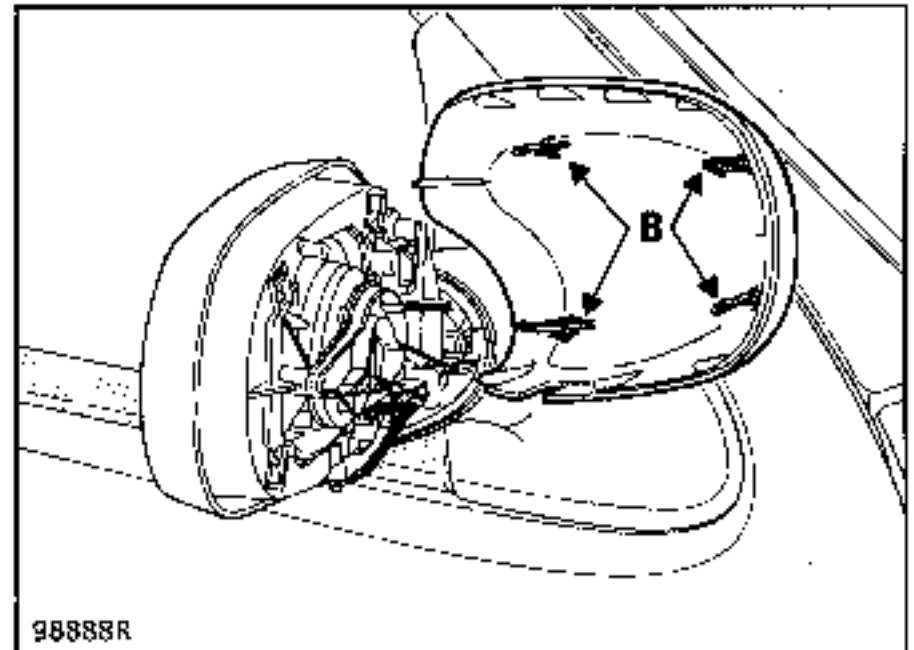
REMOVAL



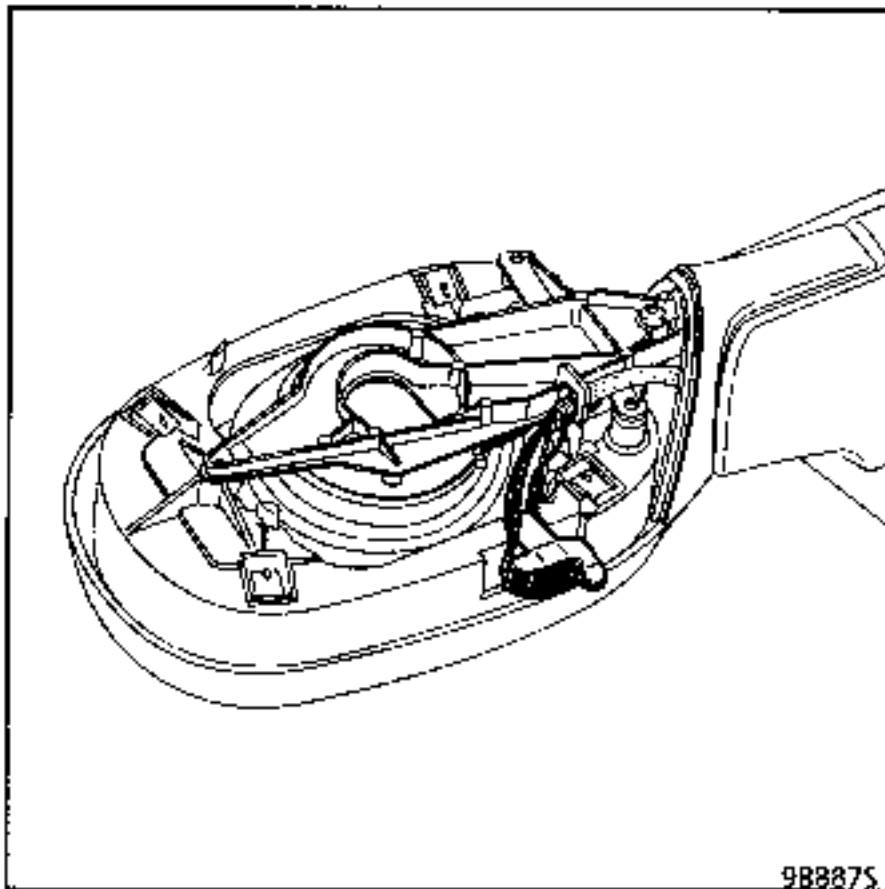
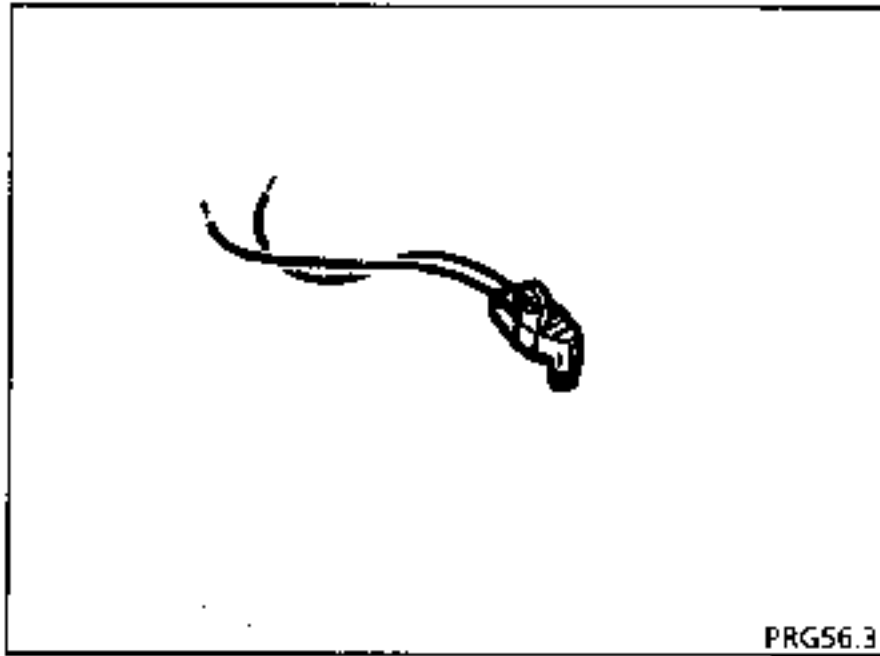
Remove the glass.

Unclip the four clips (A) and remove the shell.

REFITTING



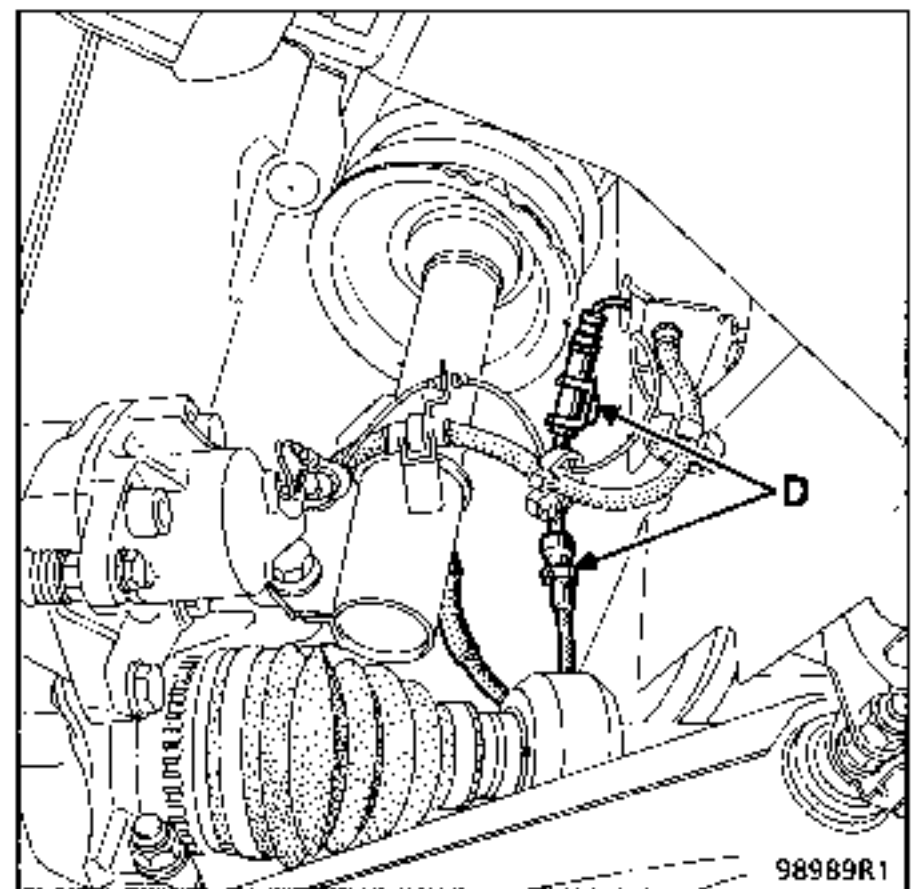
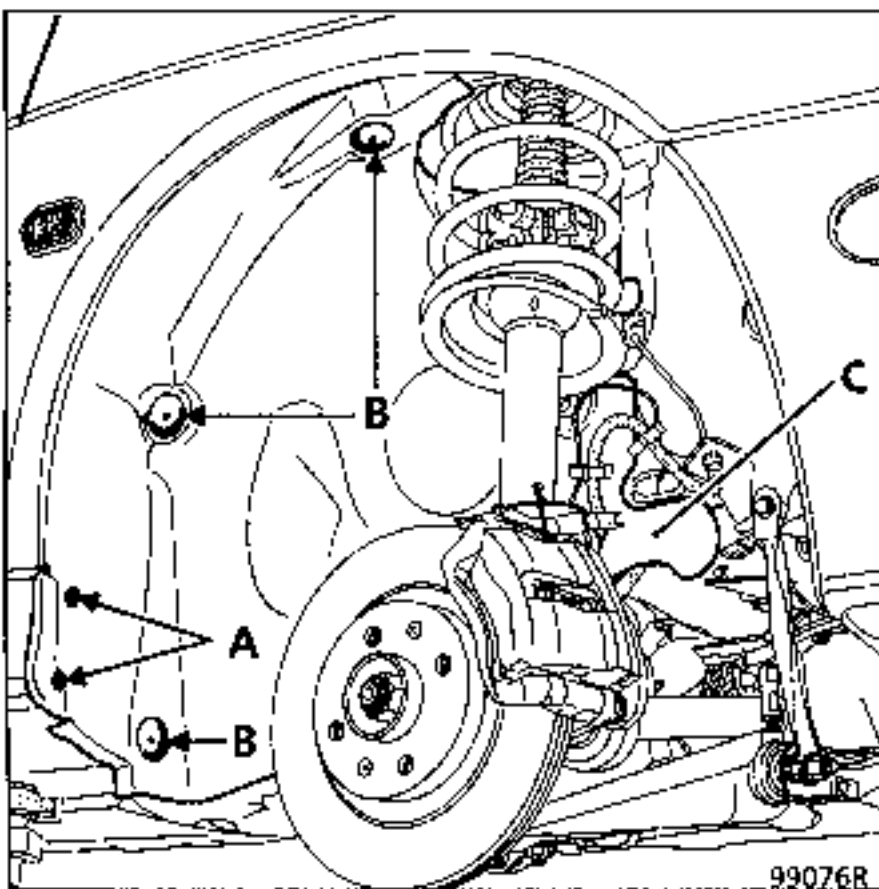
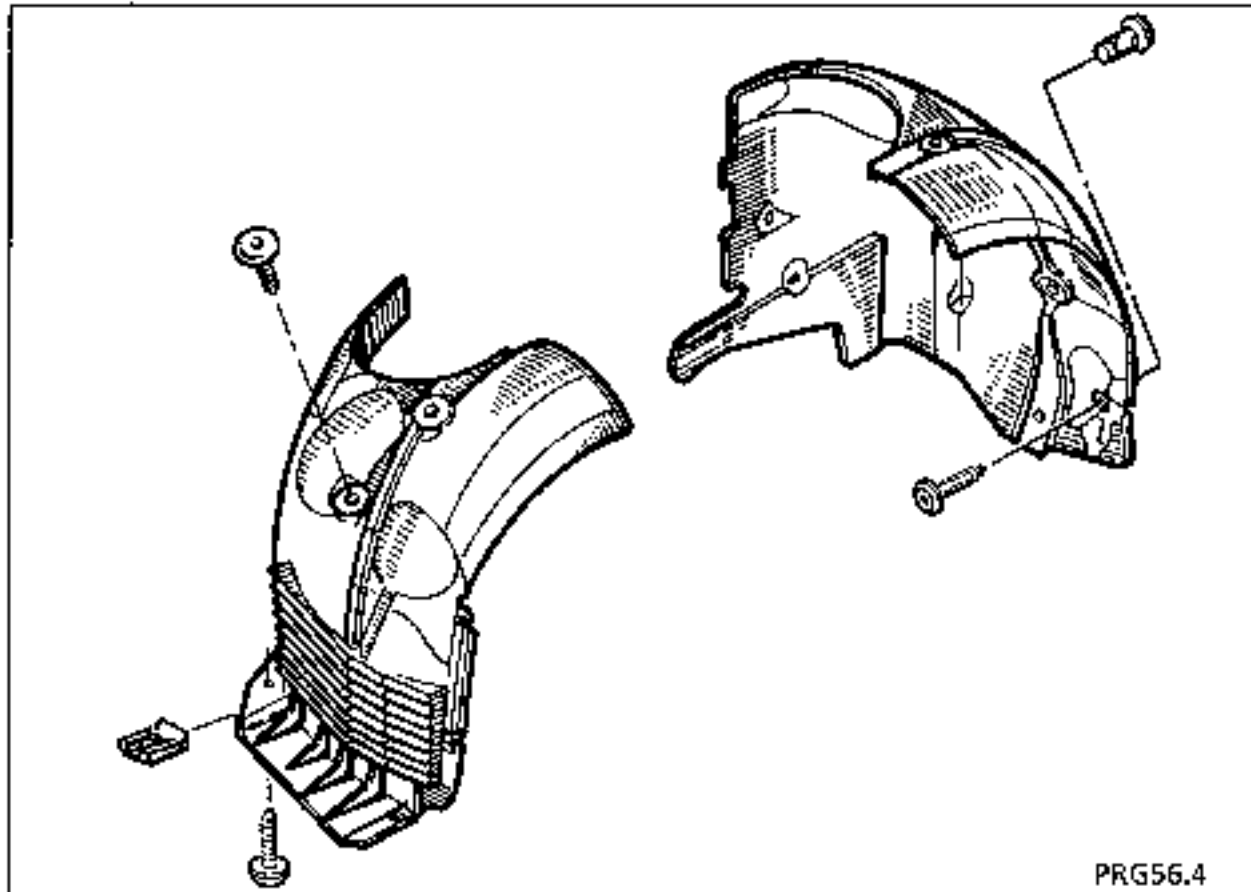
Insert the front part of the shell so it clips in at (B).



Replacement

Remove:

- the rear view mirror glass,
- the plastic housing,
- release the sensor,
- cut the feed wires after marking them,
- replace the sensor and connect the wires using heat shrink sleeving.



REMOVING THE REAR SECTION OF THE PROTECTOR

Remove:

- the two mounting bolts (A) (Star 20),
- the three retaining clips (B).

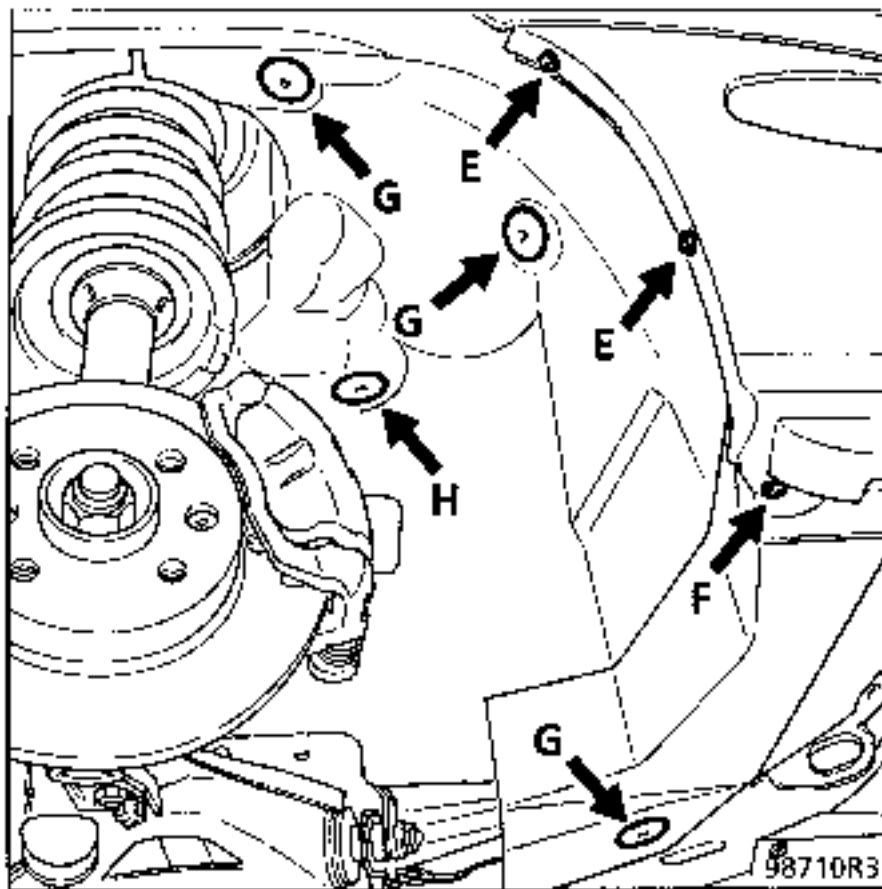
Release bracket (C) from its position on the front section of the protector.

On a vehicle fitted with ABS, release the wheel speed sensor wire, the two clips (D) and remove them.

On a vehicle not fitted with ABS, clips (D) are replaced by two retaining clips which should also be removed.

Tilt the protector to release it from the edge of the wing so it may be removed.

REMOVING THE FRONT SECTION OF THE PROTECTOR



Remove:

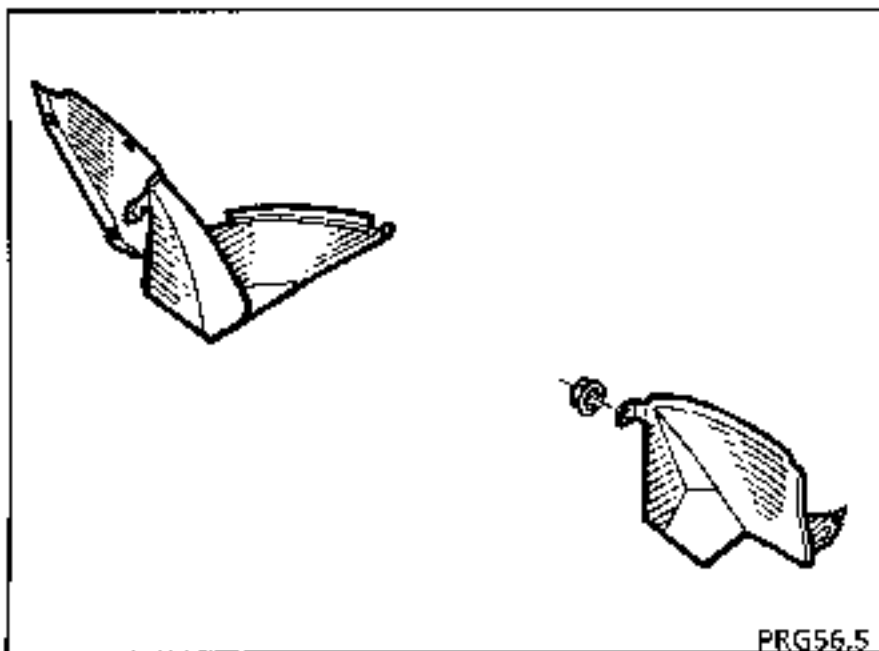
- the two upper mounting bolts (E) (Star 20) ,
- the lower mounting bolt (F) (Star 20), for the front section of the front wing interior protector on the bumper
- the three retaining clips (G) and retaining clip (H).

Tilt the protector to release it from the edge of the front wing so it may be removed.

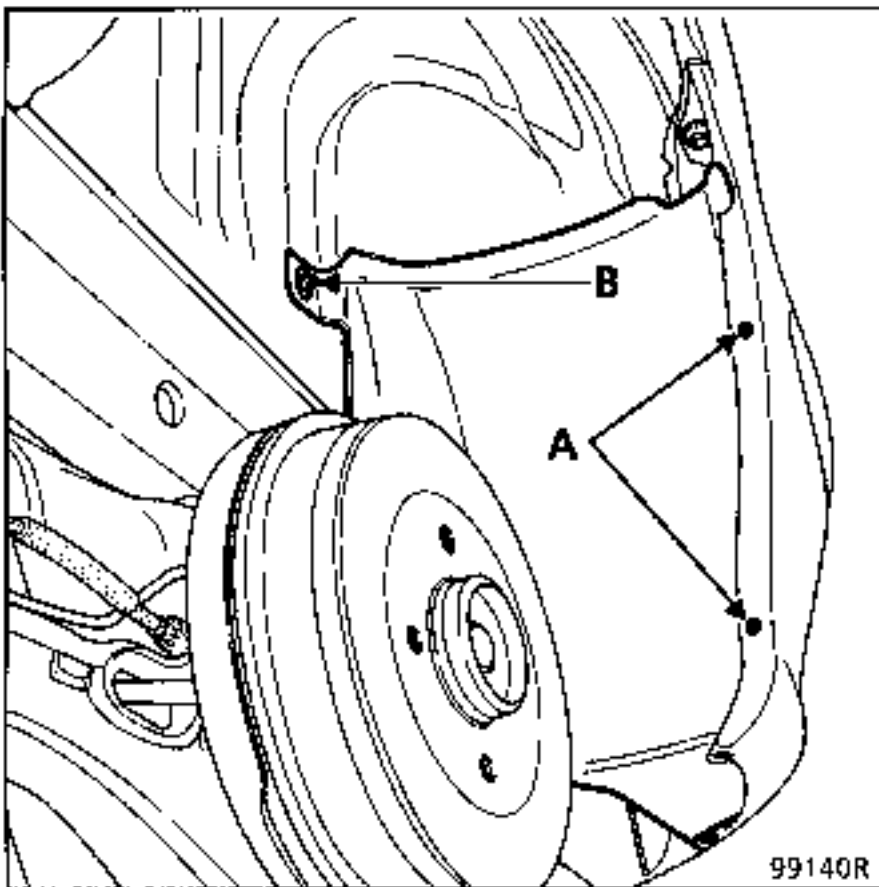
REFITTING

The three retaining clips (D) and (G) must be renewed each time they are removed.
Check for the presence of the mounting nuts (E) and (F) before refitting the front section of the protector.

NOTE : an unpicking tool may be used (see 50 B), to facilitate this operation.

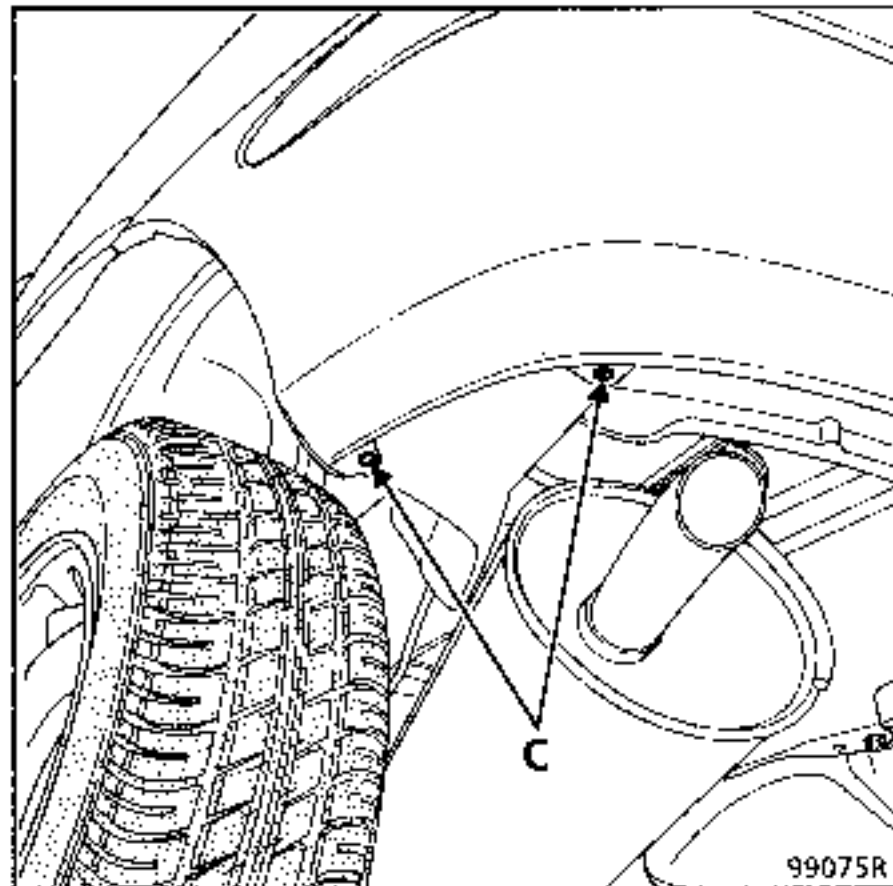


REMOVAL



Remove:

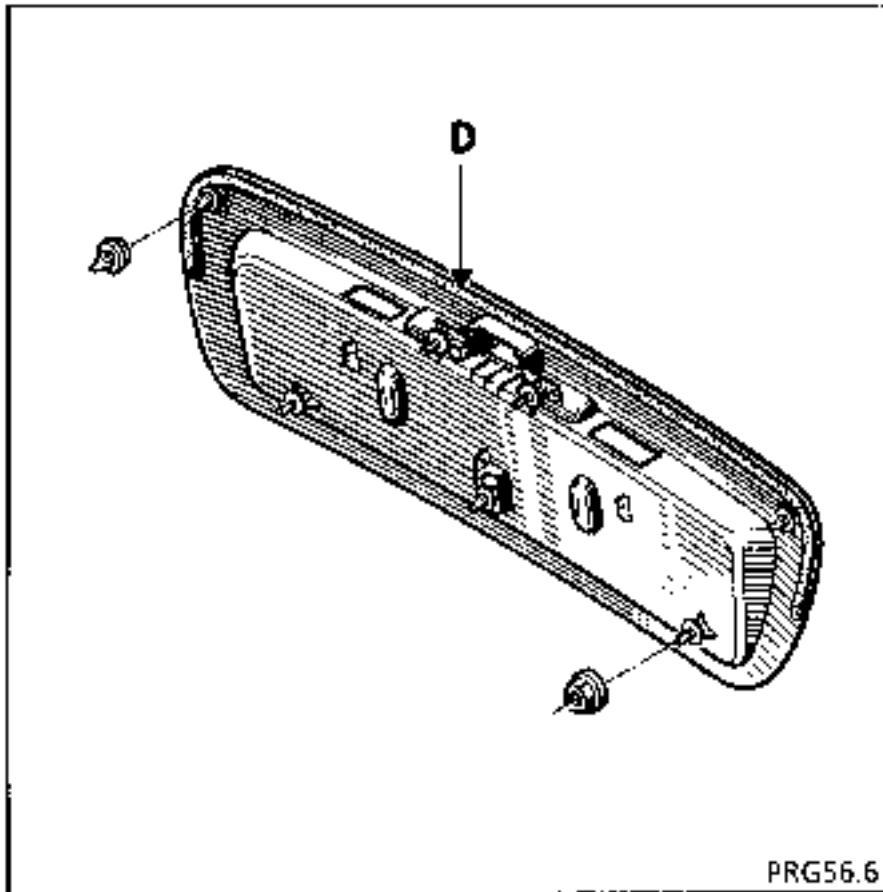
- the two upper mounting bolts for the shield, on the side section of the rear bumper (A) (Star 20),
- the self cleaning mounting nut (B) on the wheel arch.



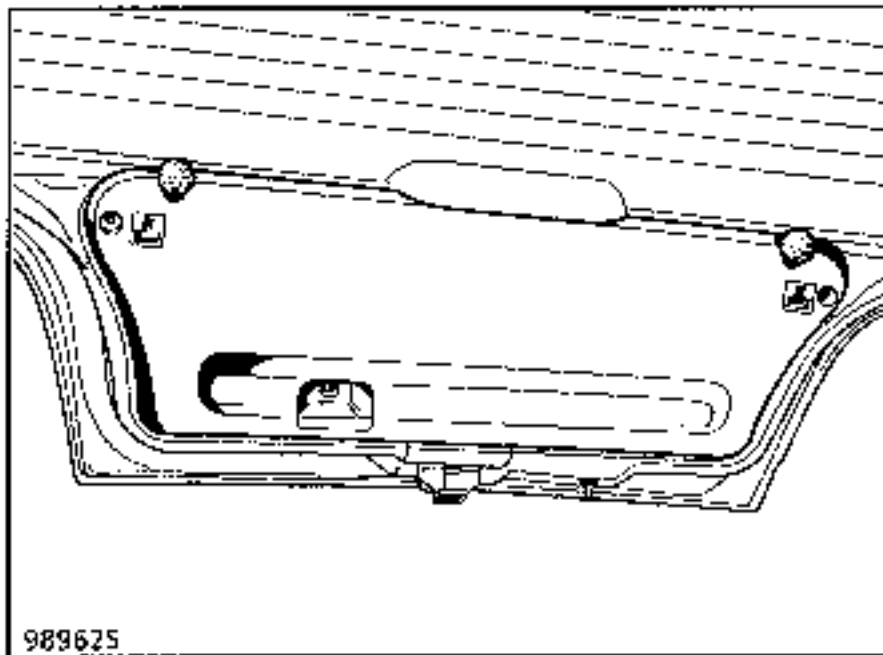
Remove the two lower mounting bolts for the shield on the side section of the rear bumper (C) (Star 20) and remove the shield.

REFITTING

Ensure the four mounting nuts (A) and (C) are present on the bumper before refitting the shield.

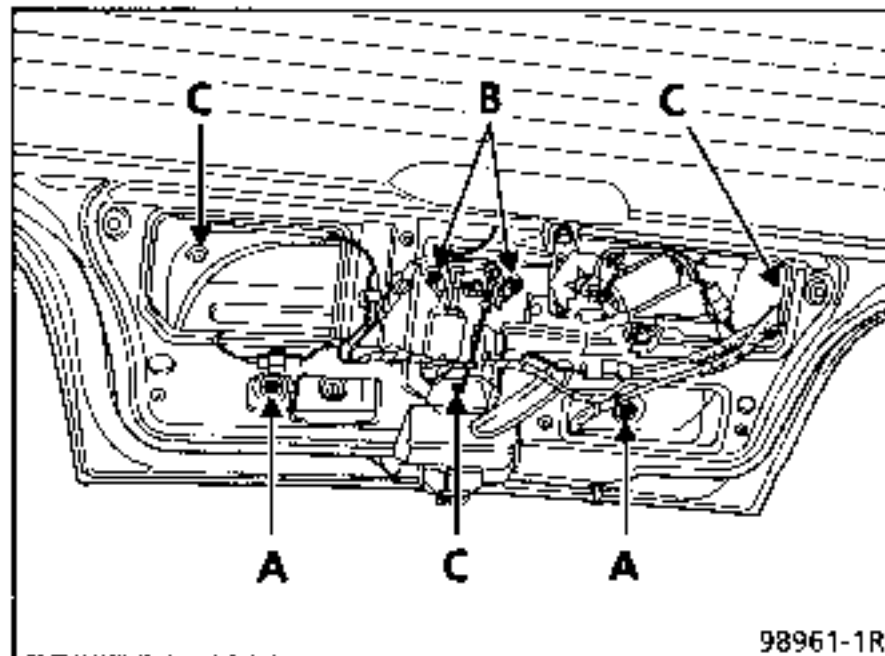


REMOVAL



Remove the tailgate lining (see 73).

Unclip the two number plate lights and disconnect their connectors.



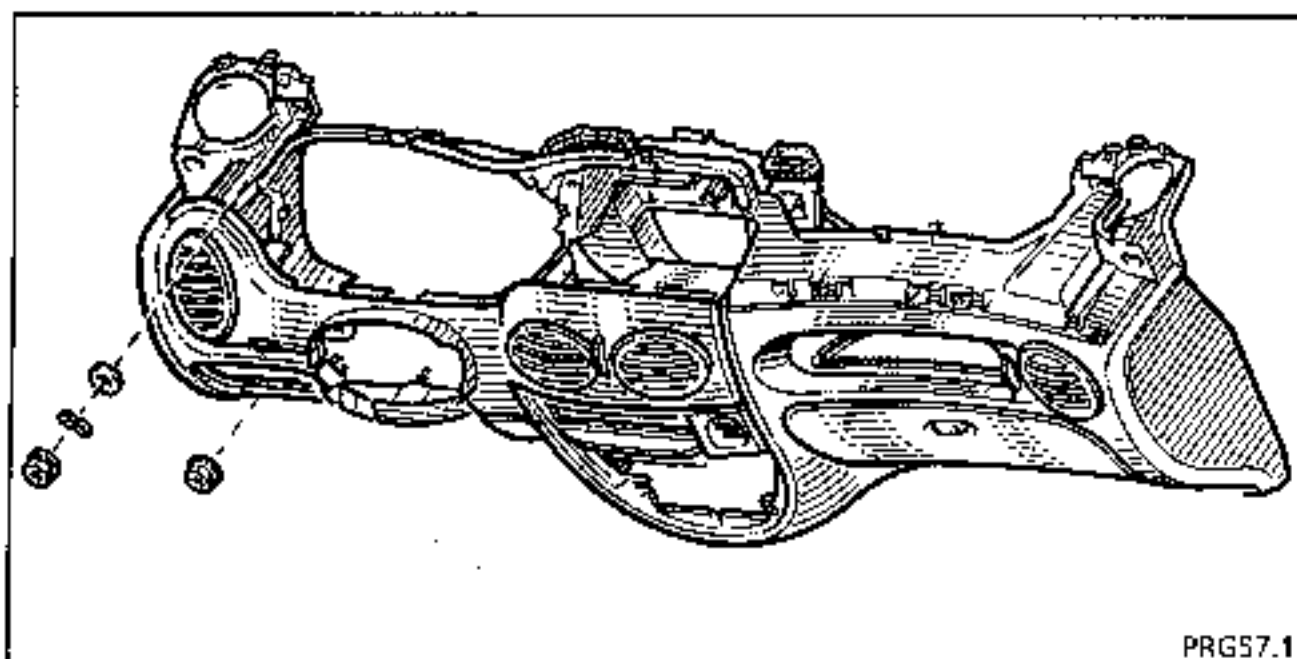
Remove:

- the two mounting nuts (A) for the trim on the tailgate,
- the two mounting nuts (B) for the lock barrel.

Unclip the three clips (C).

REFITTING

Ensure the edge seal (D) is perfectly clean before refitting.



REMOVING THE STEERING WHEEL WHEN AN AIRBAG IS FITTED

Disconnect the battery.

Remove the airbag by removing the two bolts behind the steering wheel and disconnecting the white connector (1).

Disconnect the horn connector (2).

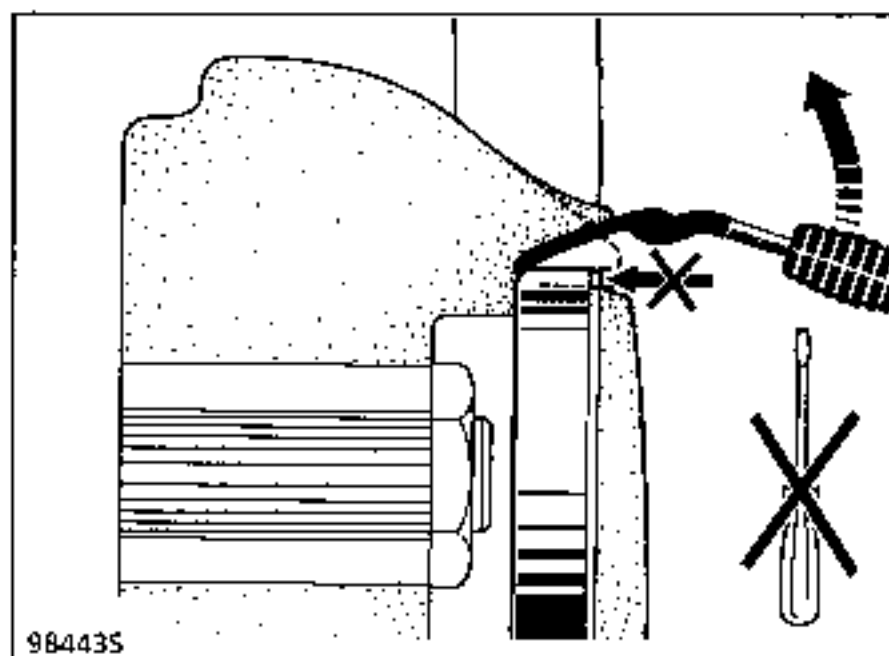
Immobilise the rotary switch under the steering wheel using adhesive tape.

Remove:

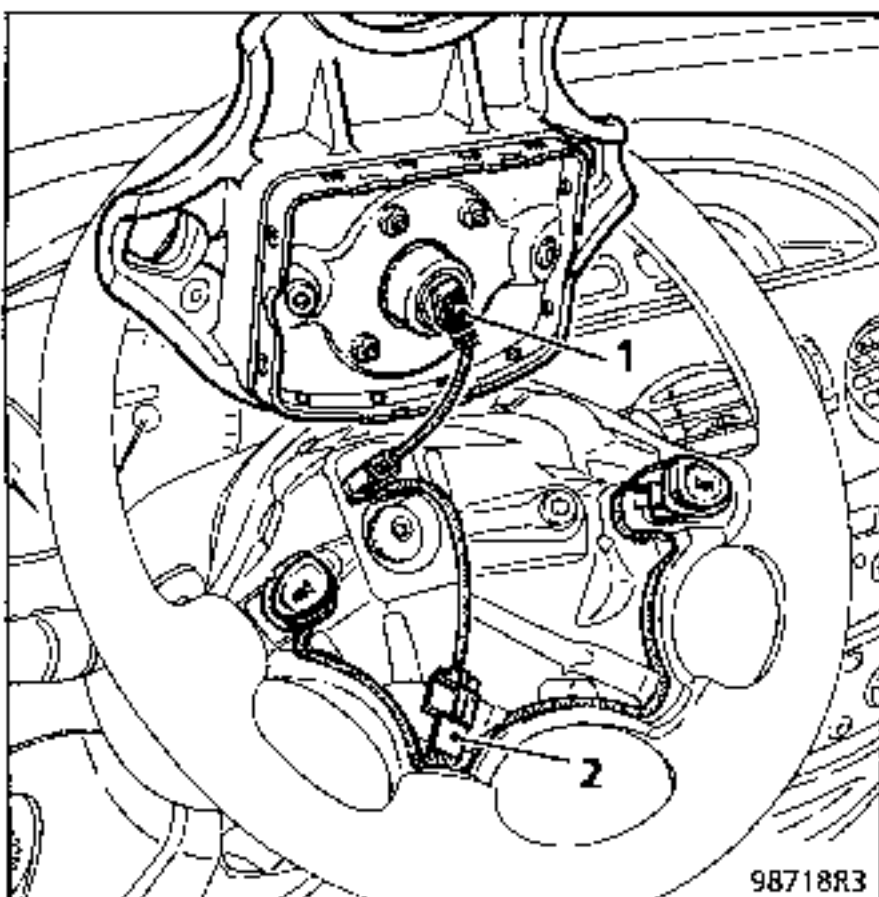
- the rotary switch connectors (airbag and cruise control, if fitted),
- the steering wheel nut (renew it),
- the steering wheel after marking its position in relation to the steering column for refitting.

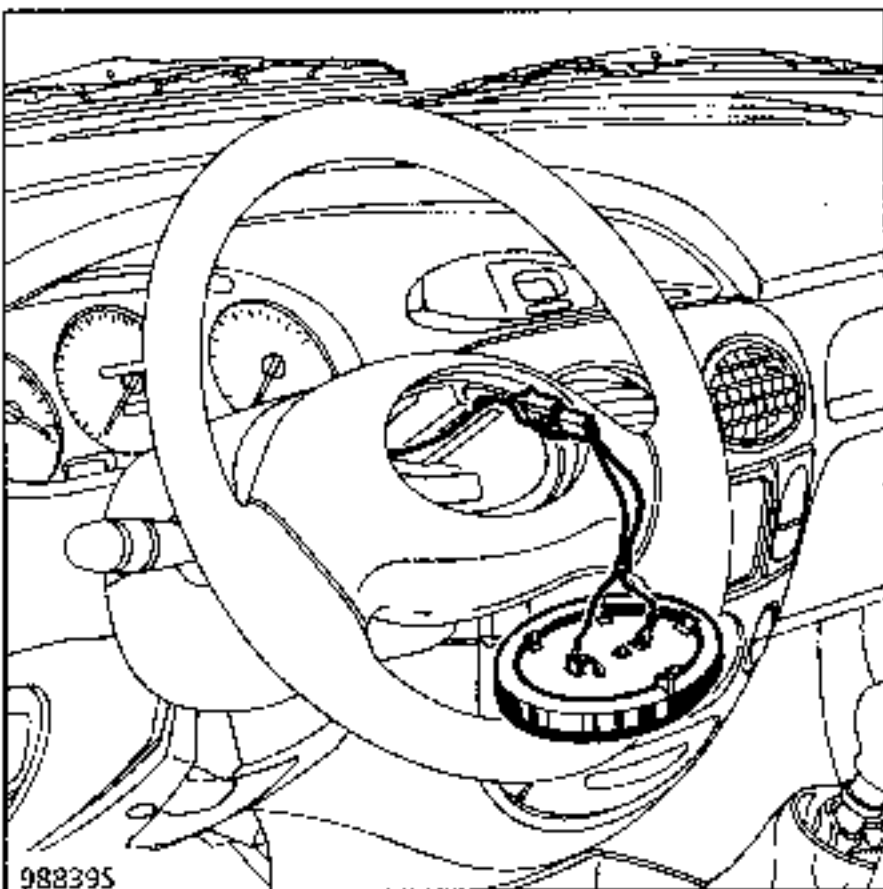
IMPORTANT: do not handle the pyrotechnic systems (airbag and pretensioners) near to a source of heat or a naked flame; there is a risk they may be triggered.

REMOVING THE STEERING WHEEL (WITHOUT AIRBAG)

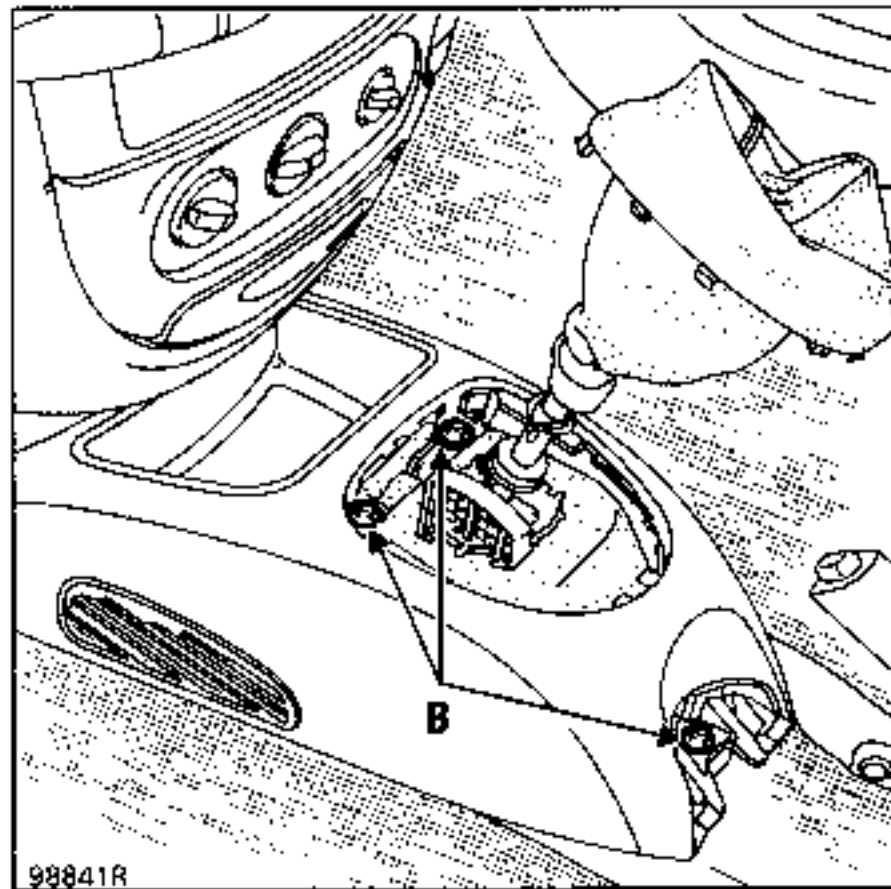


Move the foam in the centre of the steering wheel to one side, so that tool Facom D115 may be correctly positioned. Extract the assembly.



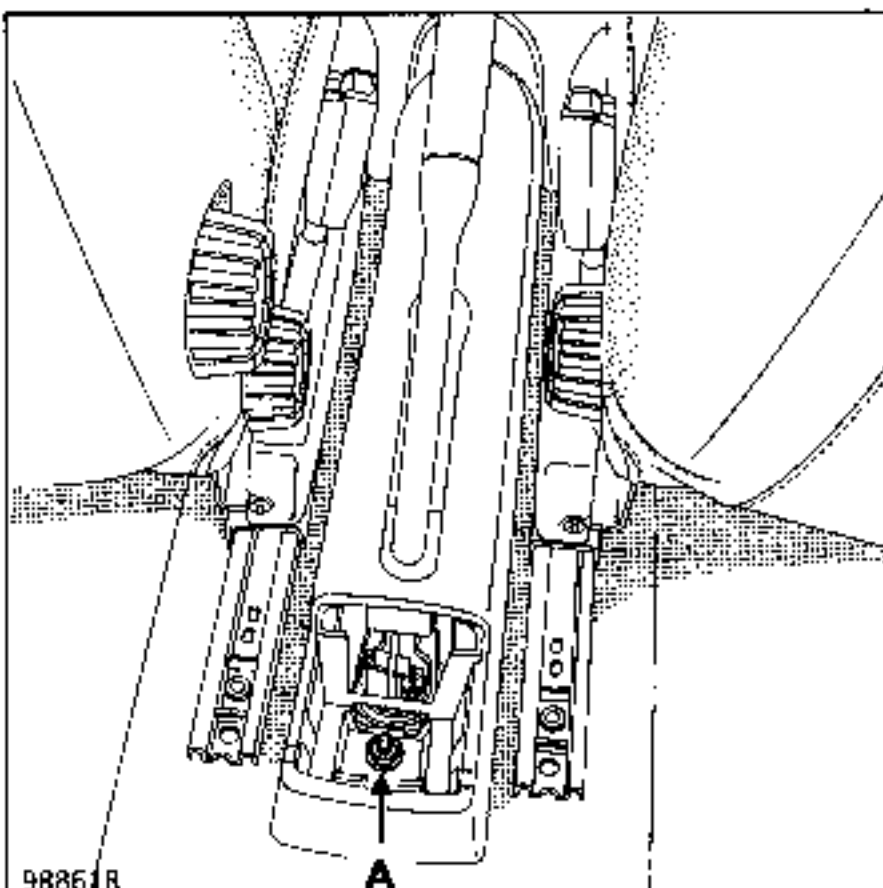


Disconnect the horn assembly and remove it.
Remove the steering wheel nut.

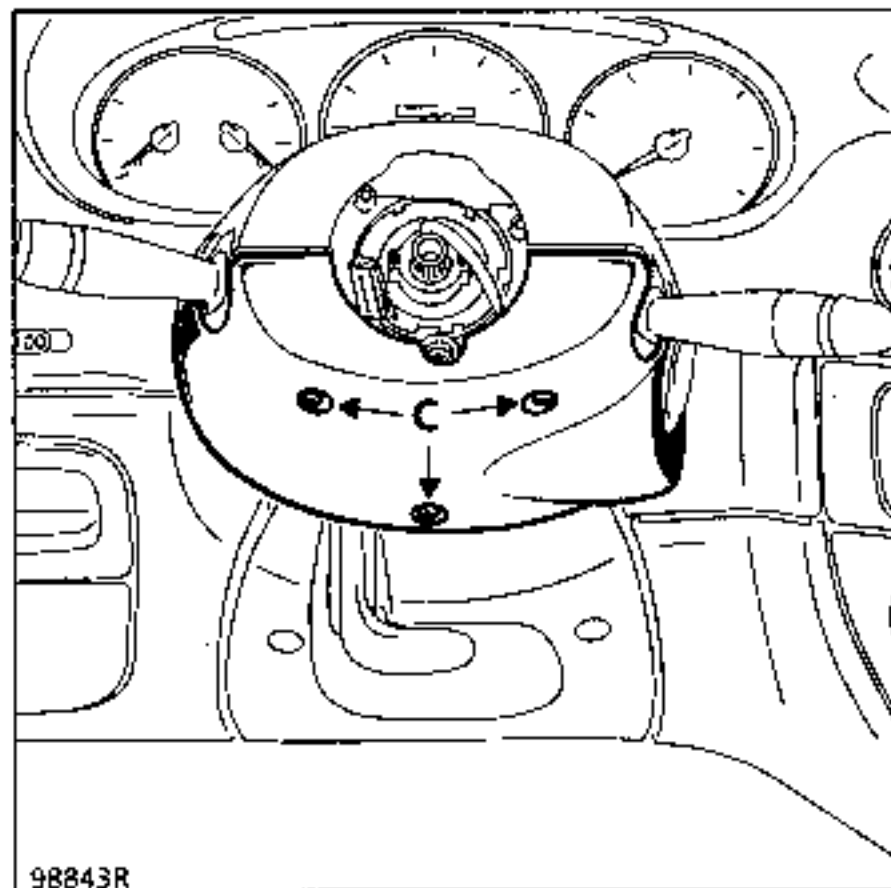


Unclip the gear lever gaiter.
Remove the three bolts (B).

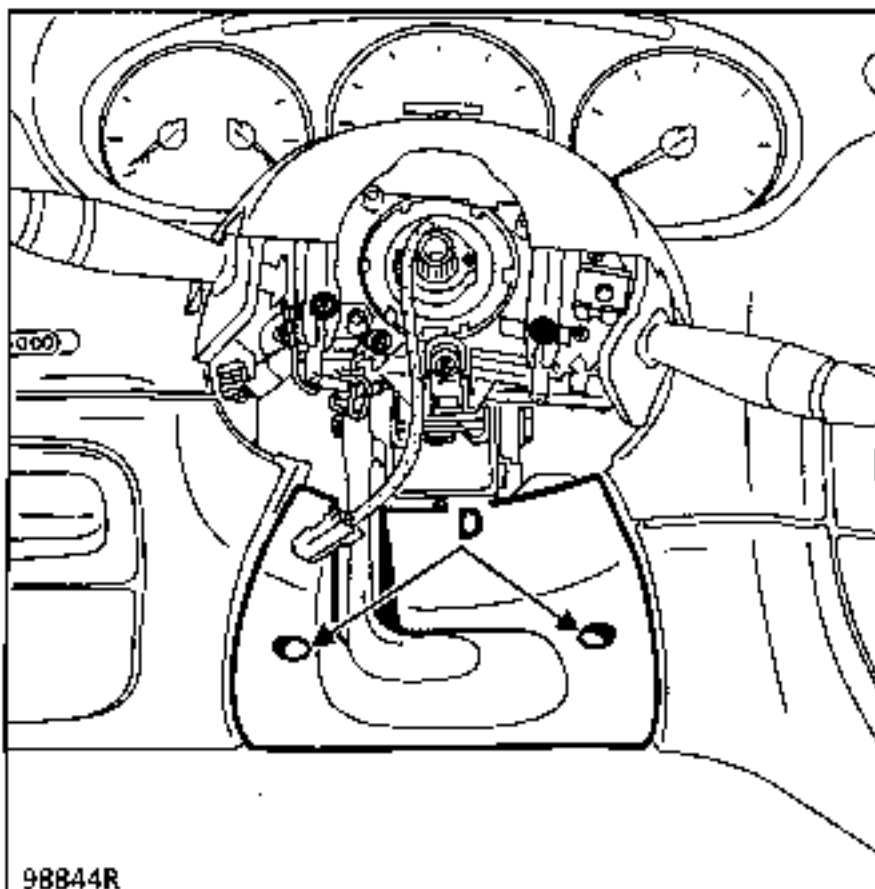
REMOVING THE CONSOLE



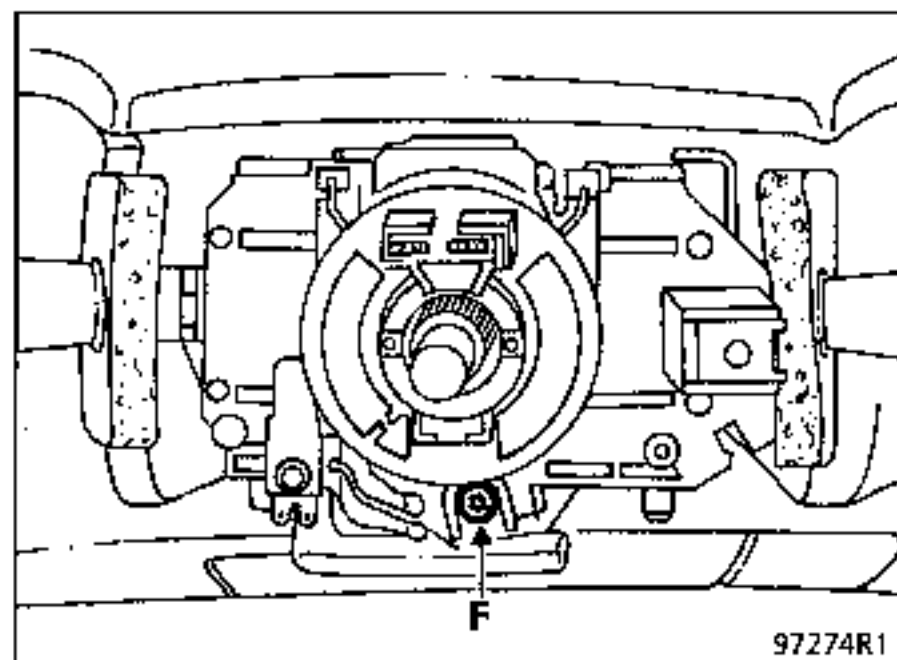
Remove:
- the rear ashtray,
- the nut (A).



Remove the half cowl from under the steering wheel, three bolts (C).

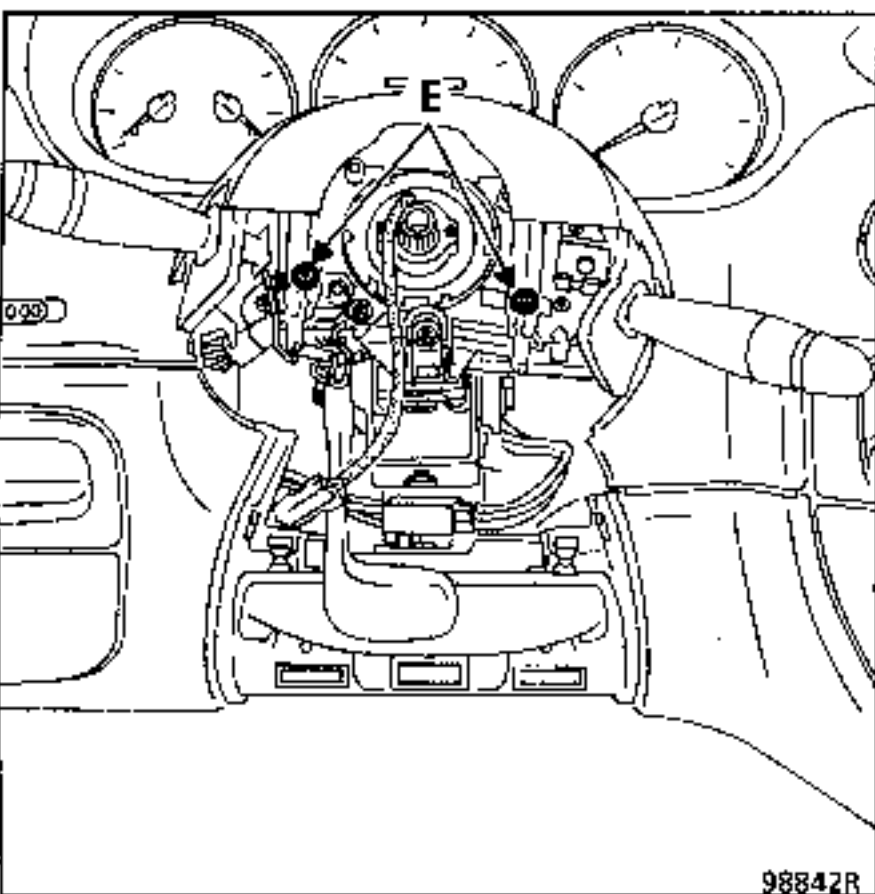


Remove the lower steering column cover, two bolts (D).



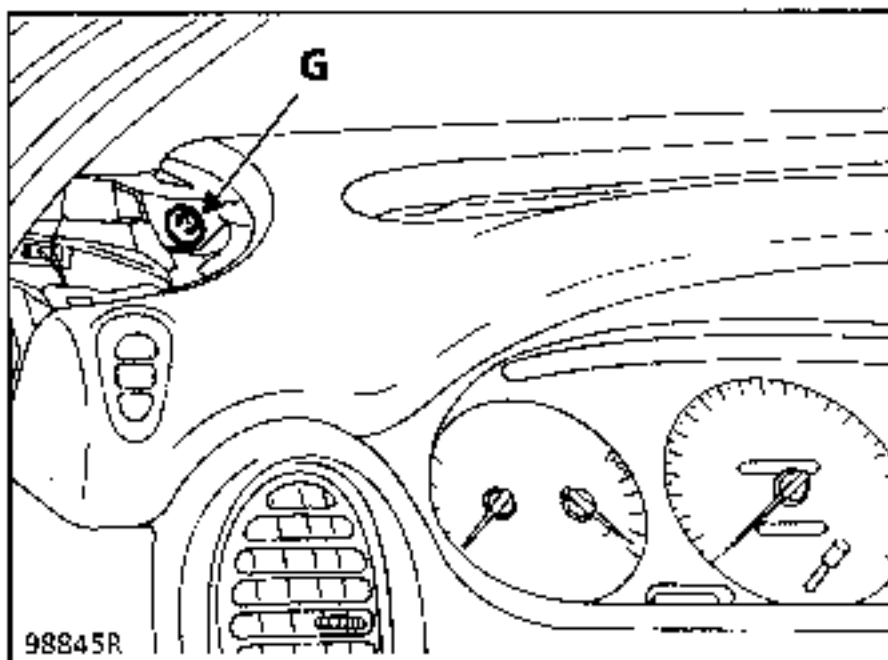
Slacken bolt (F) so the control stalk assembly may be removed.

Disconnect the connectors.

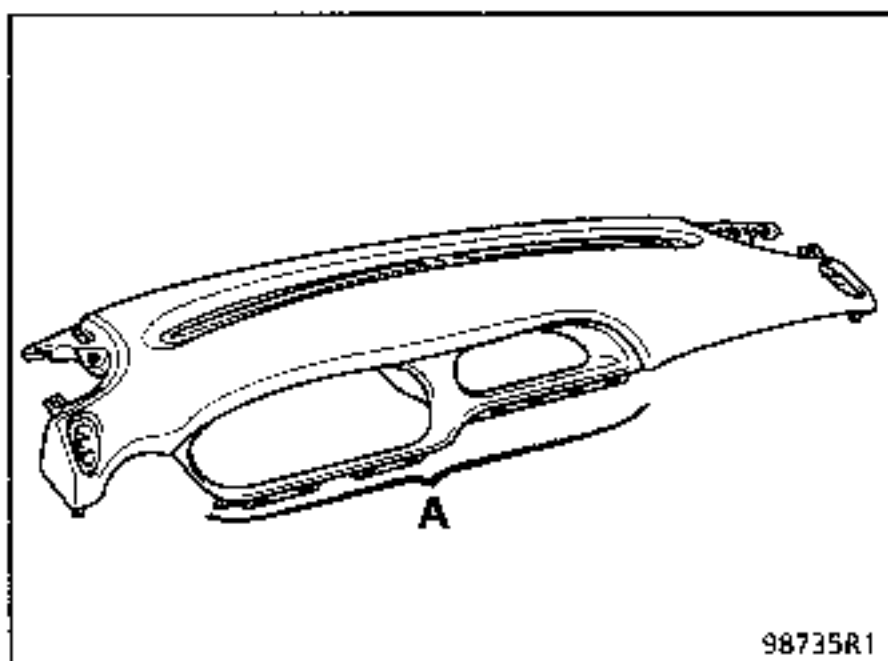


Remove the upper half cowl, two bolts (E).

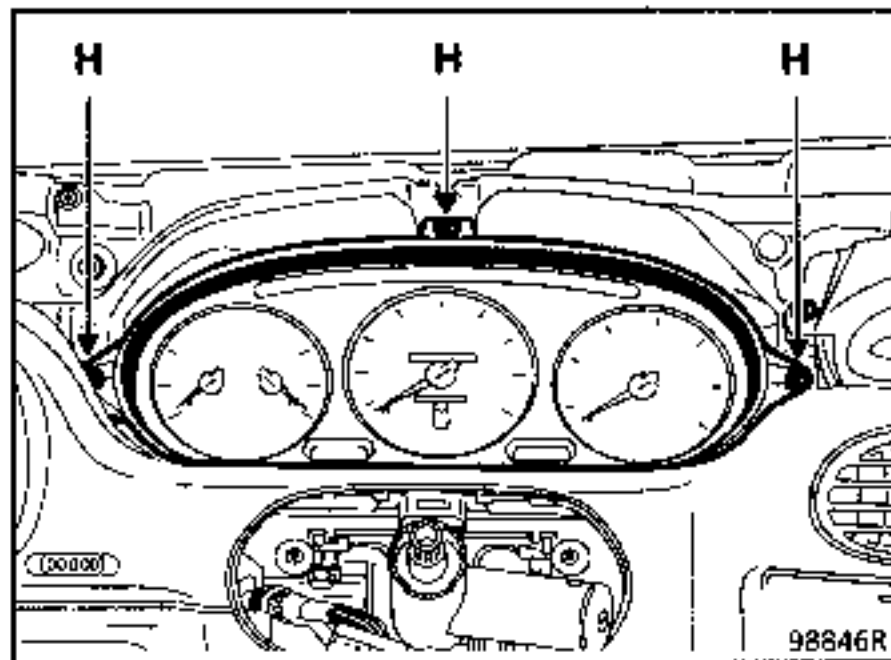
REMOVING THE UPPER PART OF THE DASHBOARD



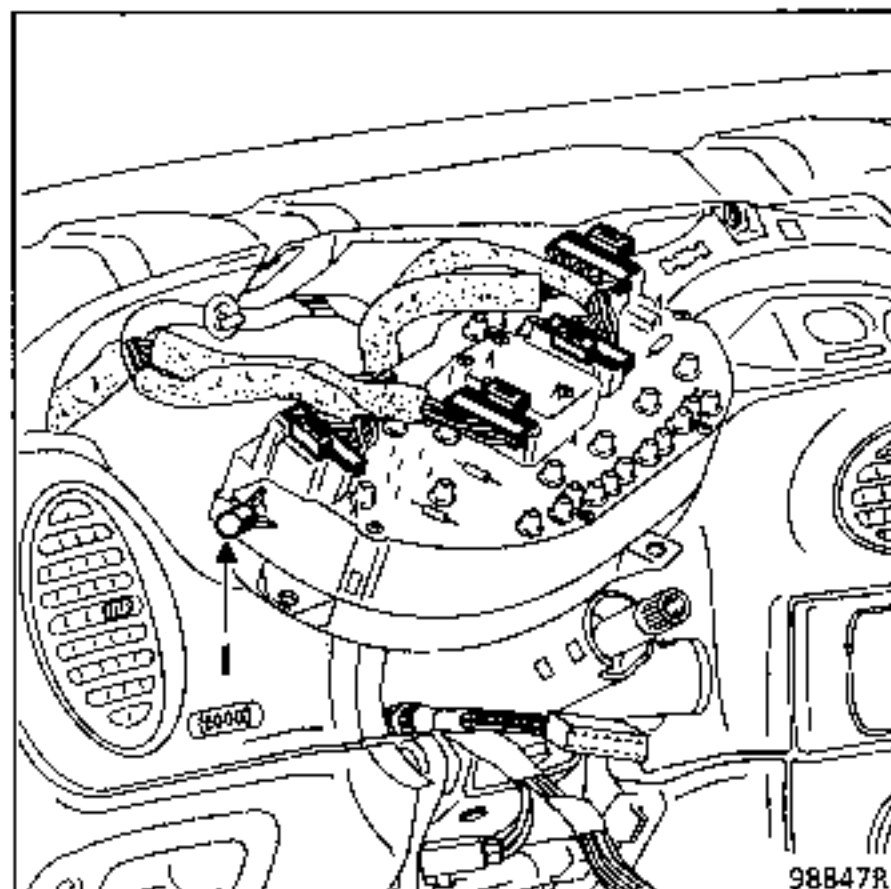
Remove the speaker grilles then the upper mounting bolts (G).



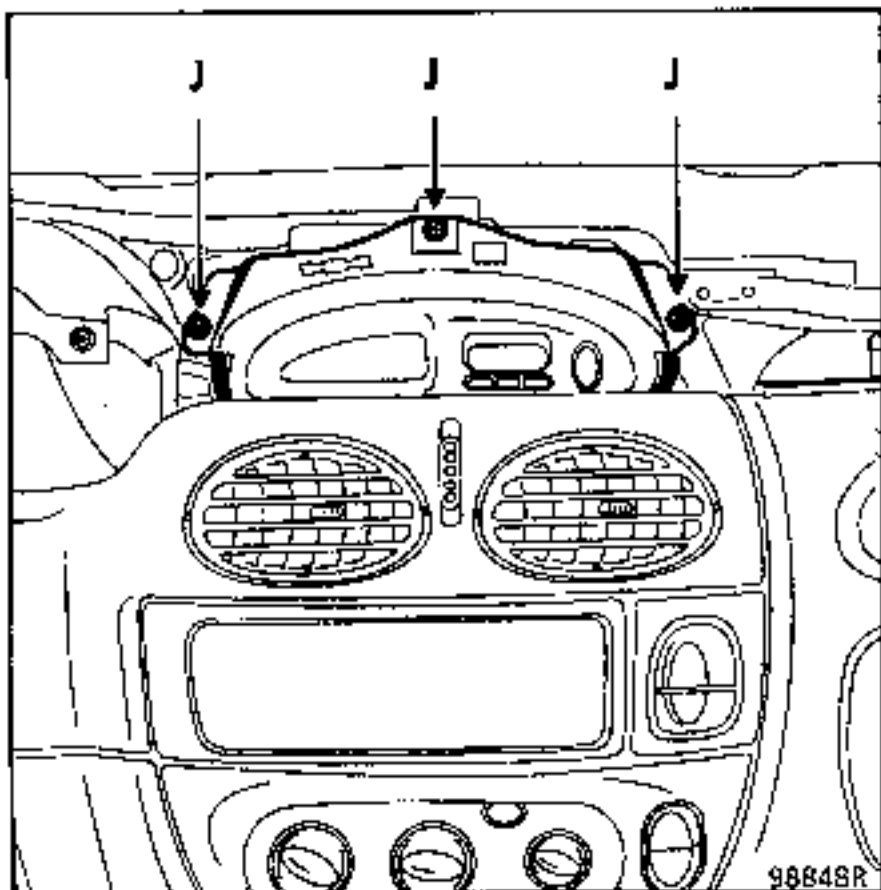
Unclip section (A), lifting it by hand then pulling the assembly towards you.



Remove the instrument panel, three bolts (H).

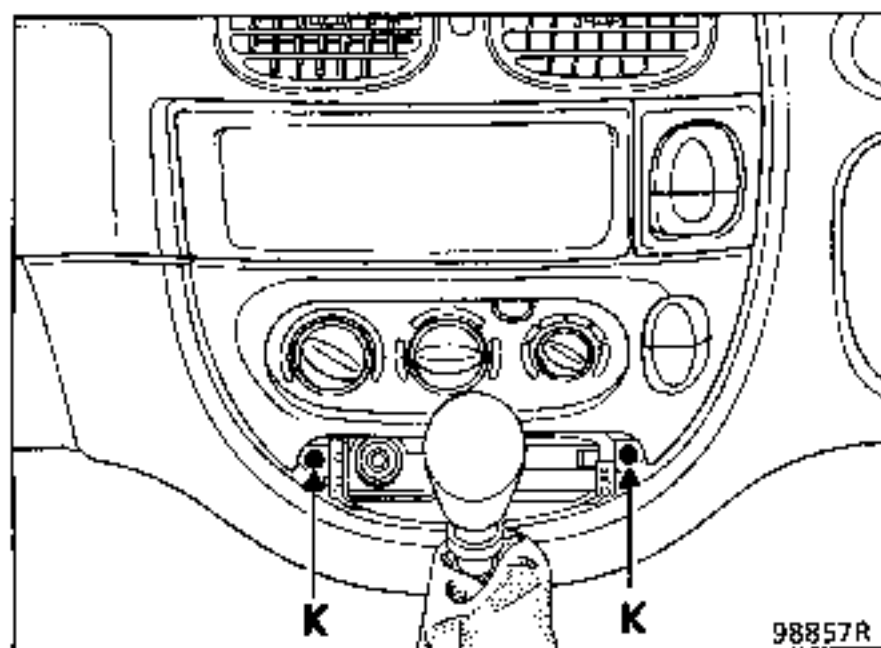


Disconnect the instrument panel. Take care to retain and reposition the small rubber pieces (I).

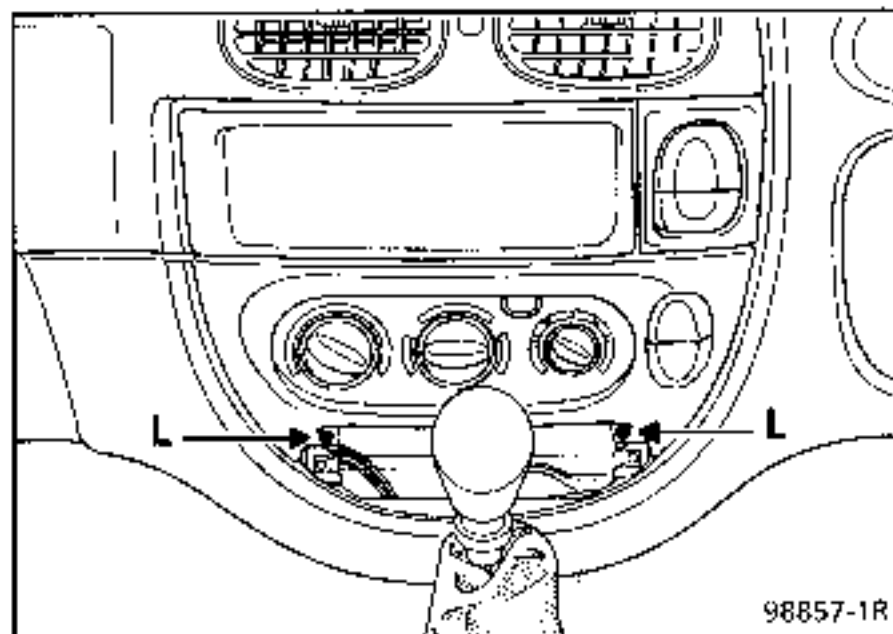


Remove the clock, three bolts (J).

Disconnect the connectors.

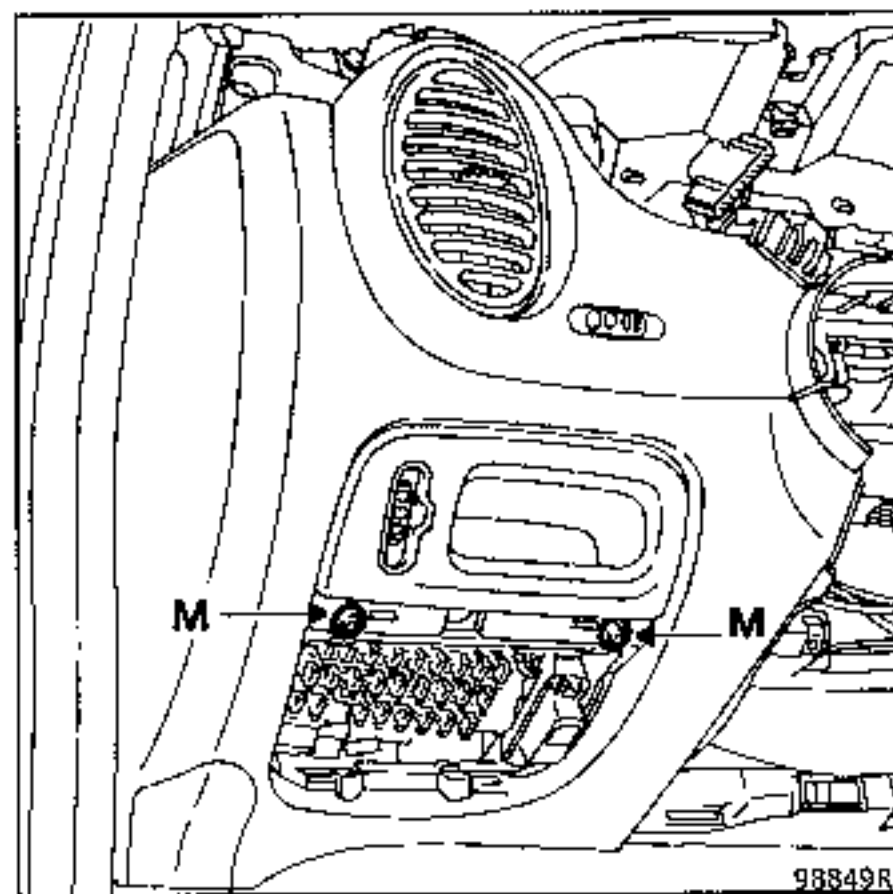


Remove the ashtray mounting, two bolts (K).



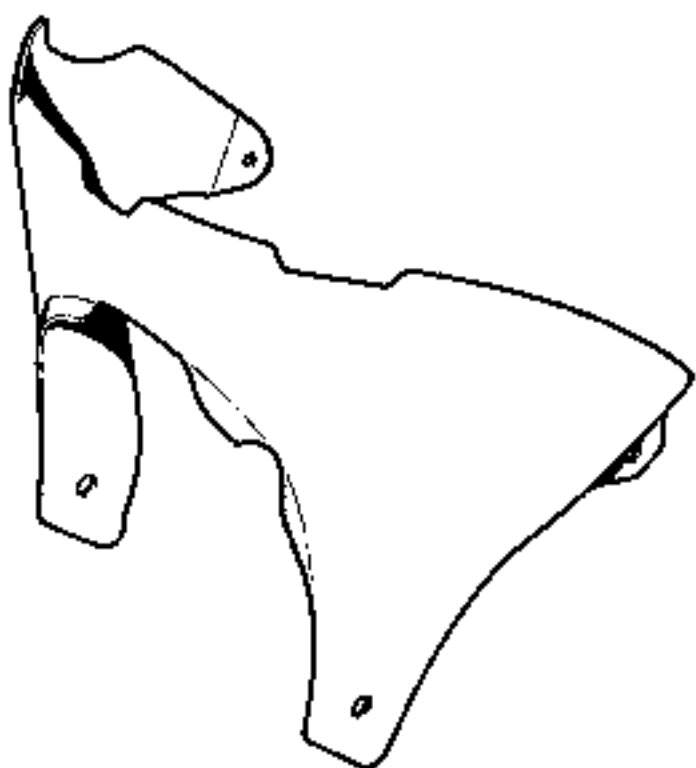
Remove the heating control panel, two bolts (L).

Disconnect the connectors.



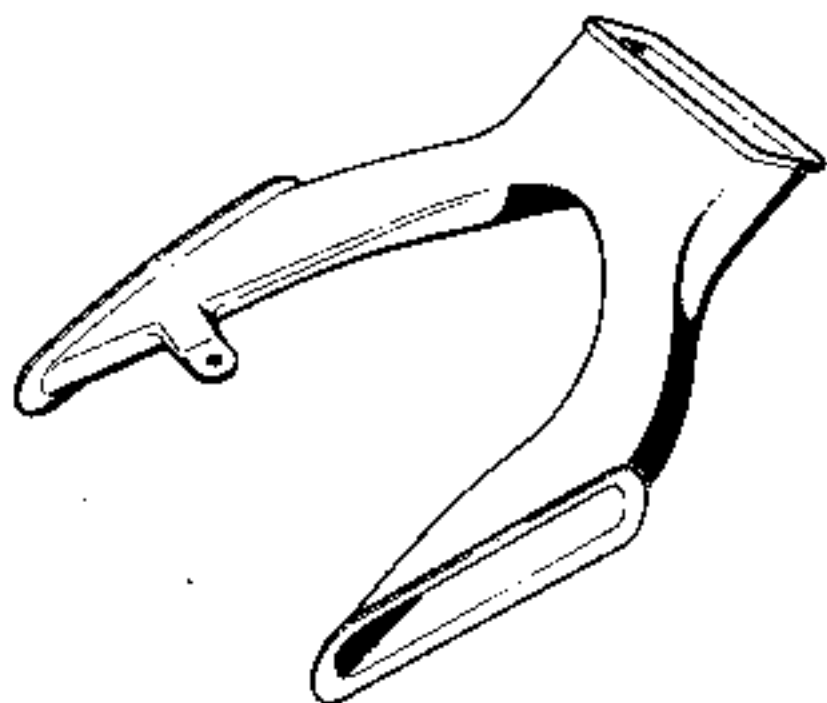
Remove the headlight adjustment mounting unit, two bolts (M).

Disconnect the connector.



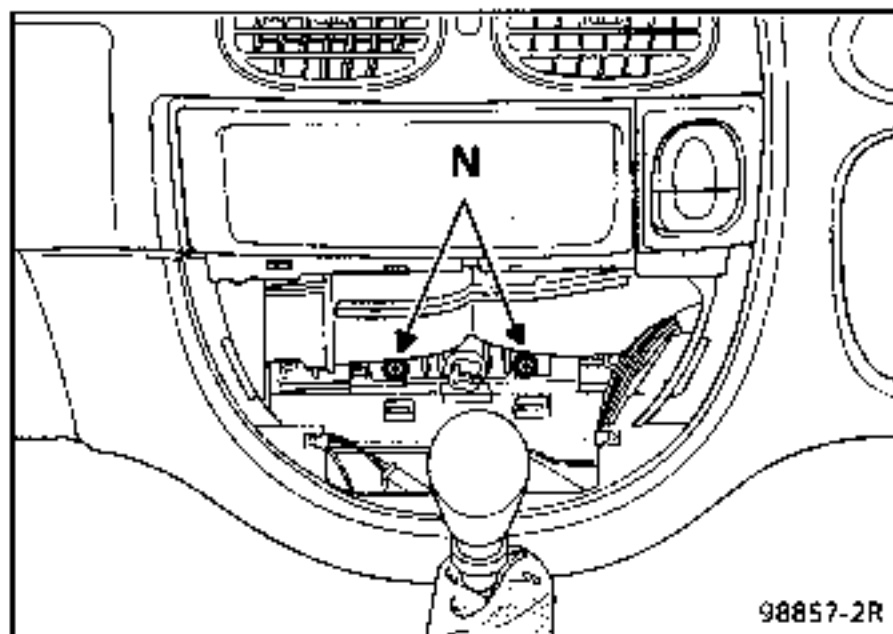
99784S

Remove the lower console cover, four clips.

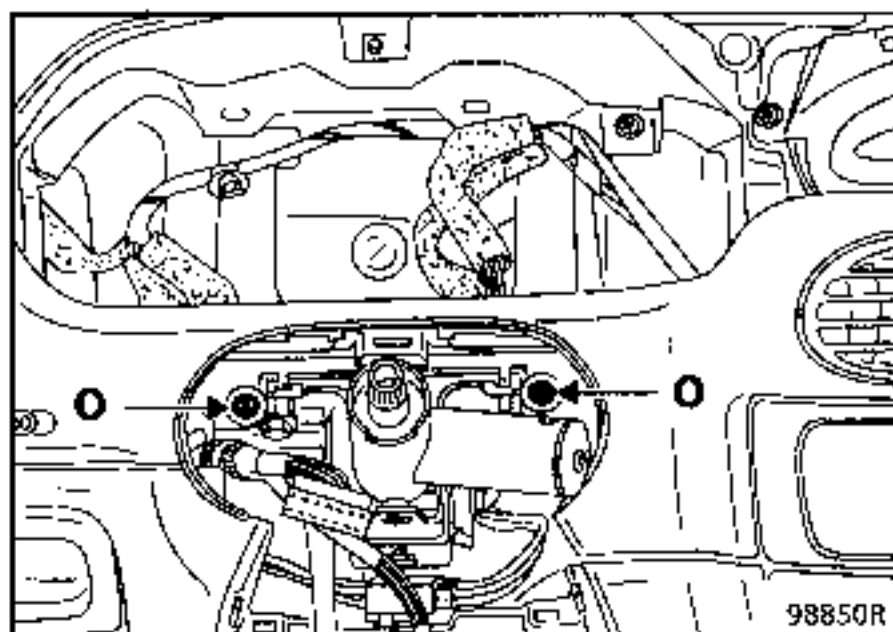


99783S

Remove the heating duct.

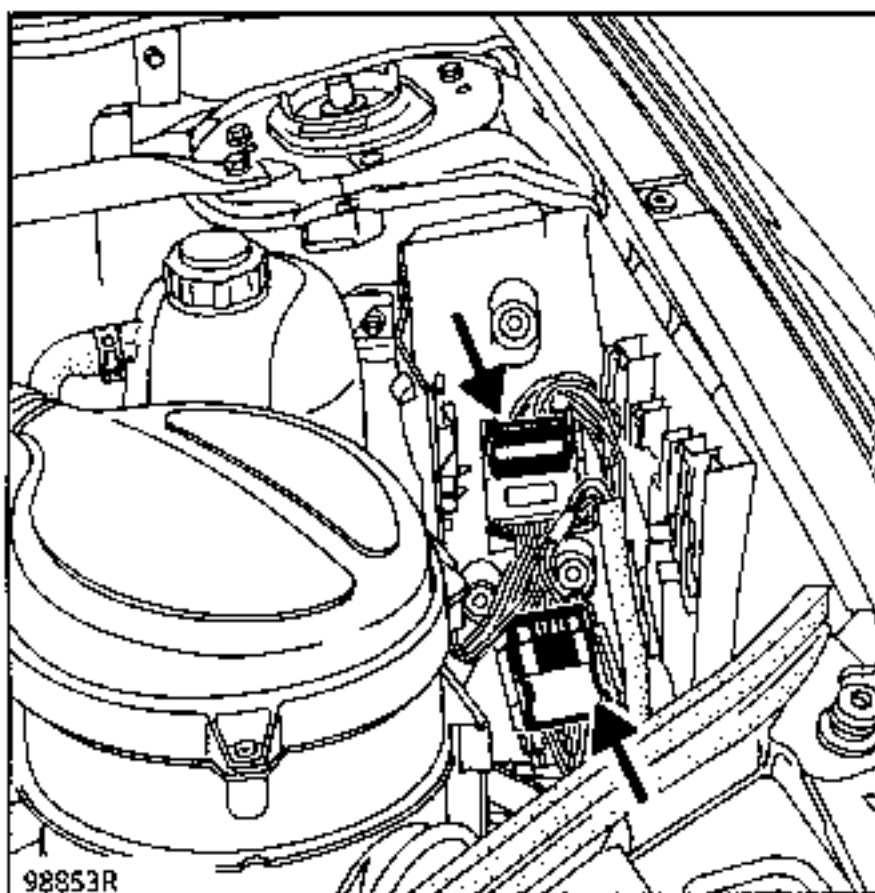


Remove the dashboard mountings on the heating unit, two bolts (N).



Remove the dashboard mountings on the steering column sleeve, two bolts (O).

In the engine compartment



On the left hand side:

Disconnect the engine wiring.

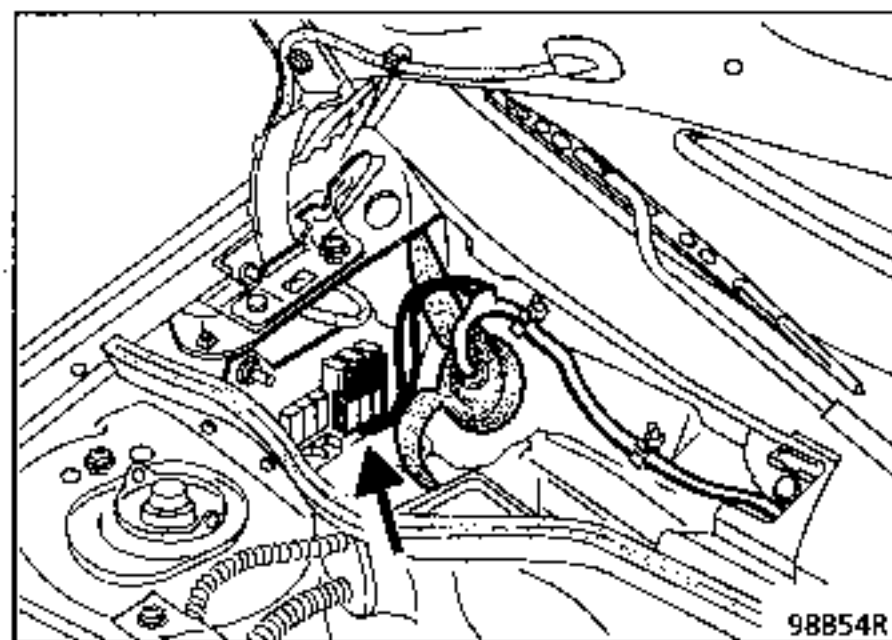
Remove the front left hand mudguard (see 56 F).

Unclip the wiring mounting clips.

Disconnect the wing mounted repeater.

Thread the wiring through to the passenger compartment.

In the scuttle panel



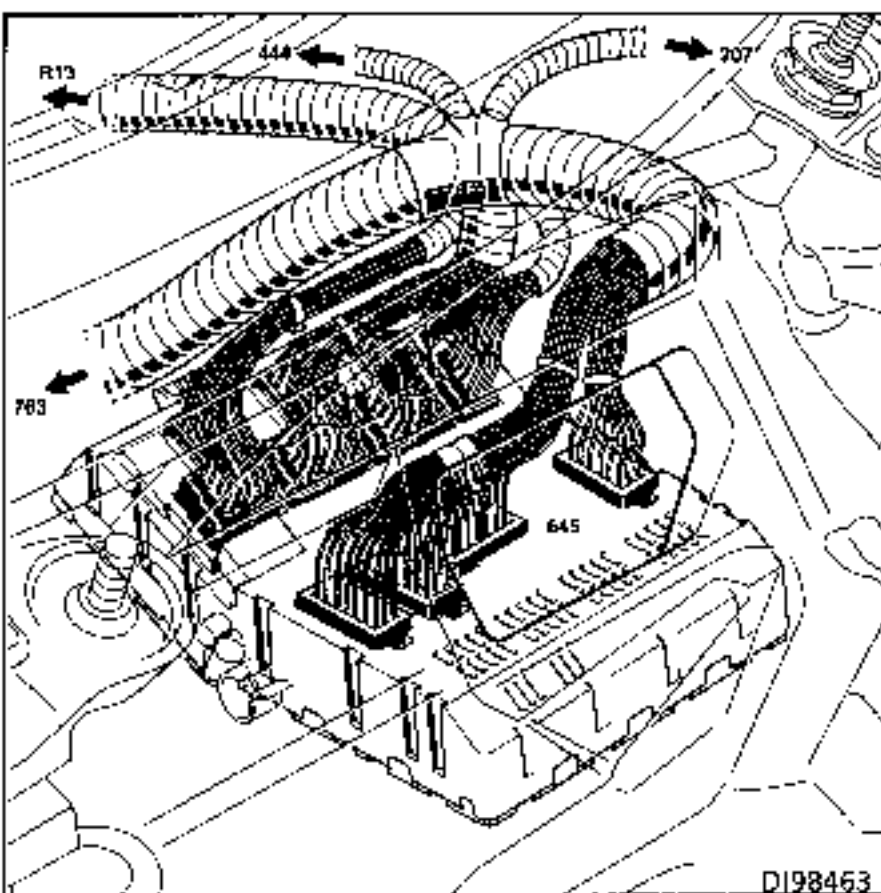
Remove:

- the right hand scuttle panel grille (see 55 G),
- the battery.

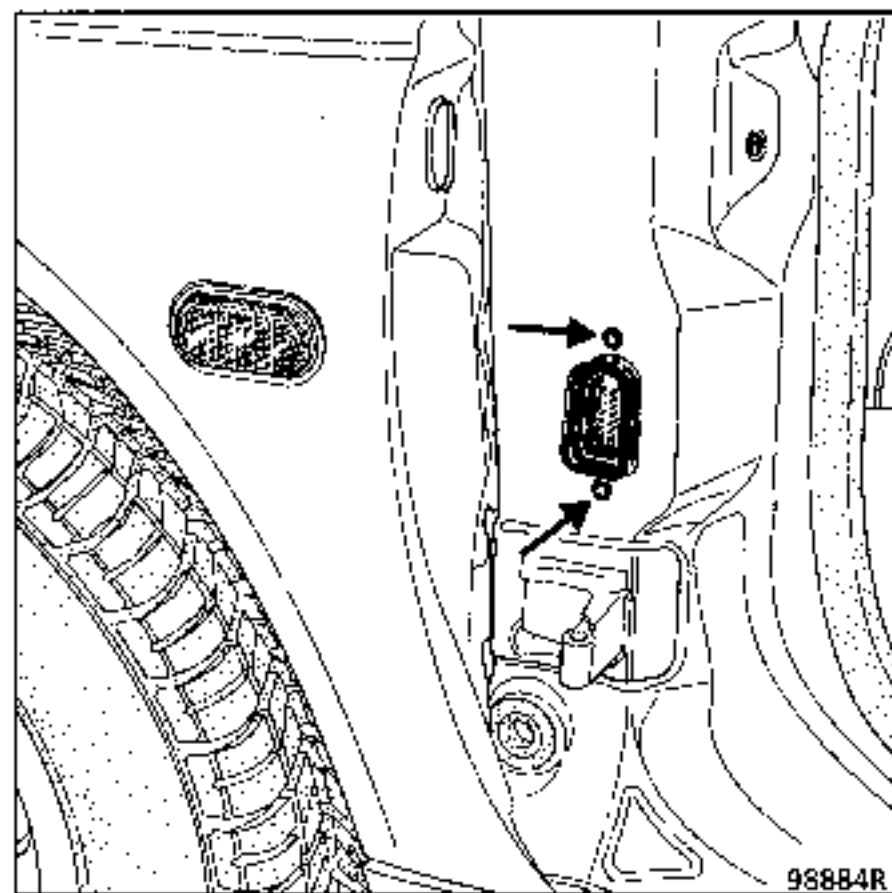
Disconnect the fuse mountings.

Disconnect the connectors for the wiper motor and the fan motor.

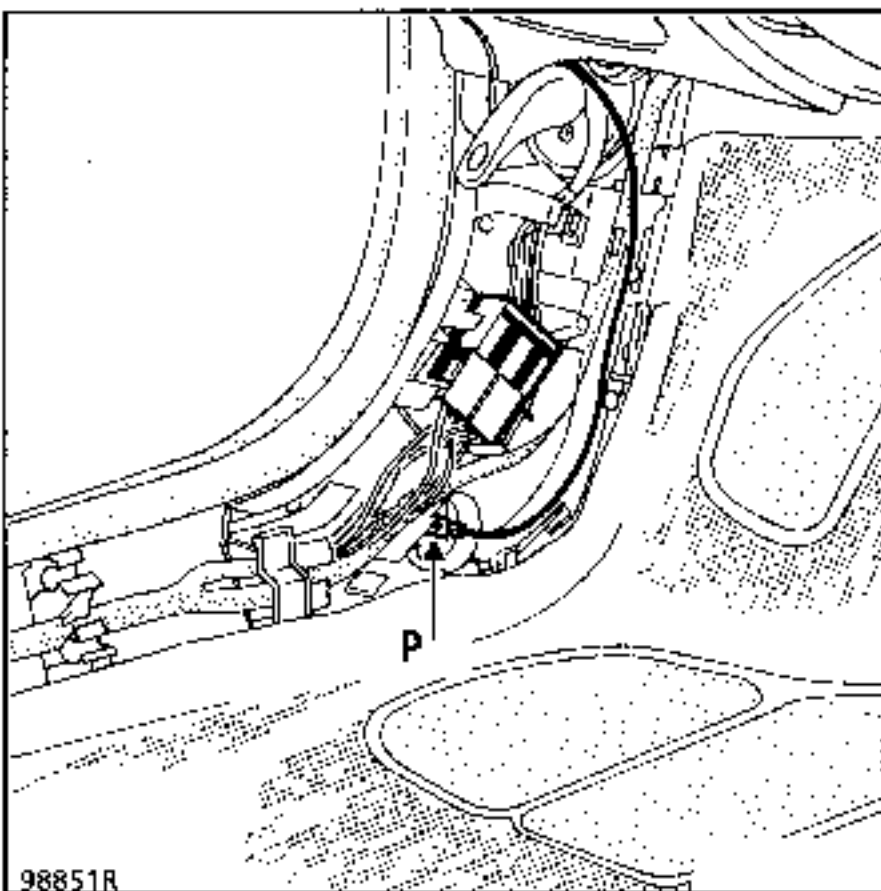
Thread the wiring through to the passenger compartment.



Disconnect the connectors under the fuse box and the ignition switch connector then remove the steering column.

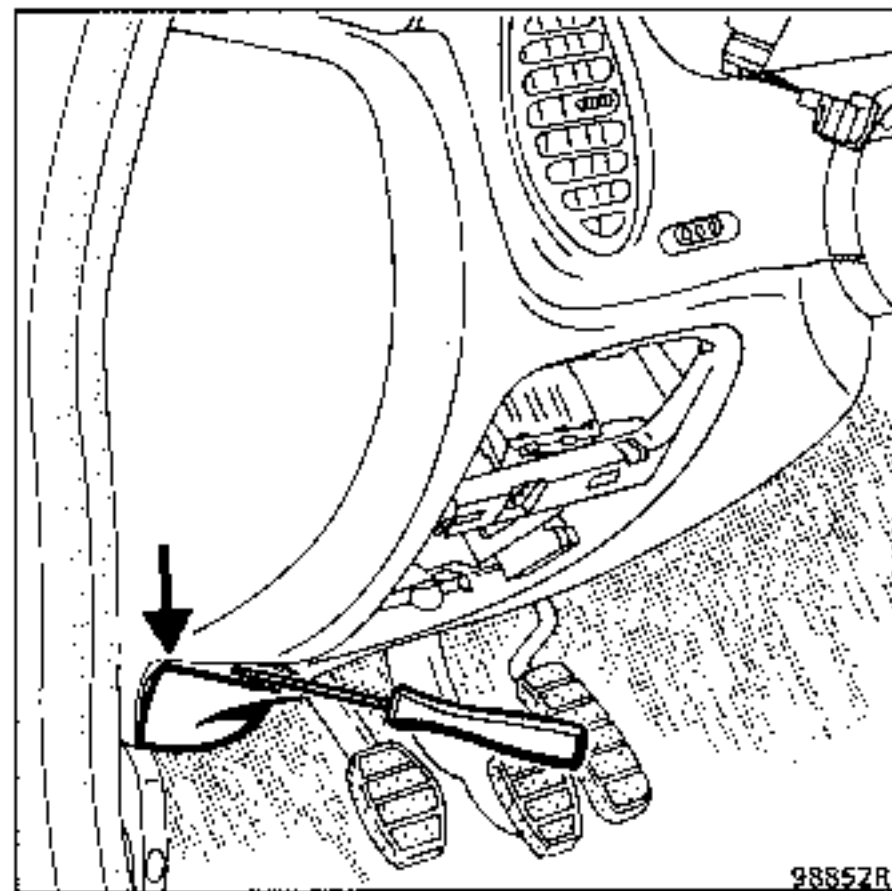


Remove the two bolts for the front door wiring connectors and thread the wiring into the passenger compartment.



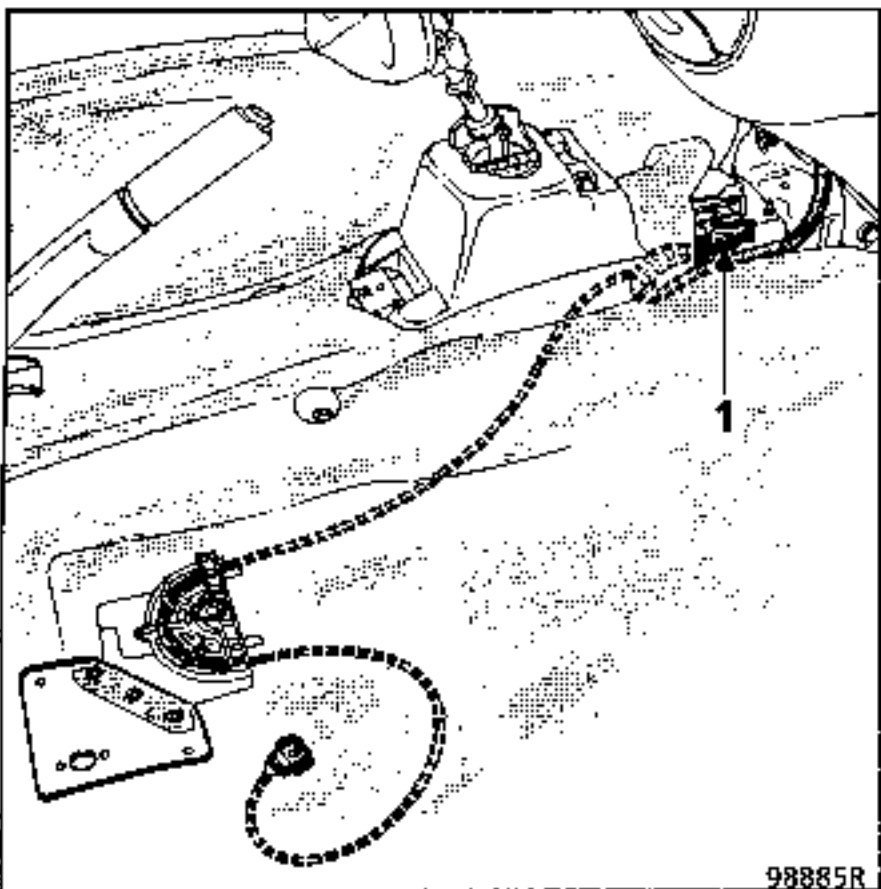
Remove the valance linings and the right and left hand windscreen pillar linings (see 71 B and 71 E).

Disconnect the wiring and remove the bolts (P) for the earth wires.



Remove the two lower blanking plugs.

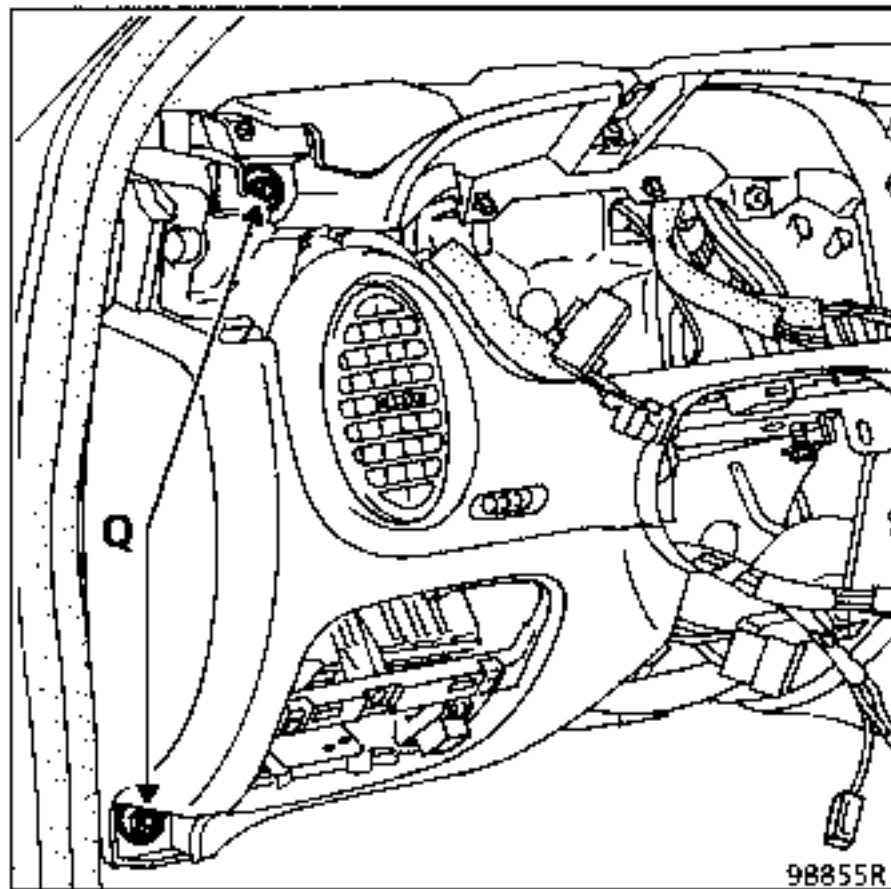
Remove the front seats.



Disconnect the seat belt pretensioner wiring.

Release the wiring.

Disconnect the airbag computer connector (1).



Remove the four dashboard mounting nuts (Q).

Remove the dashboard with care (two persons).

Mark the position of and if possible replace the various mountings and clips for the wiring to facilitate refitting.

REFITTING

When refitting it is vital to ensure:

- all the wiring is correctly routed with sufficient space to ensure the dashboard may be correctly centred.

Refitting the steering wheel fitted with an airbag

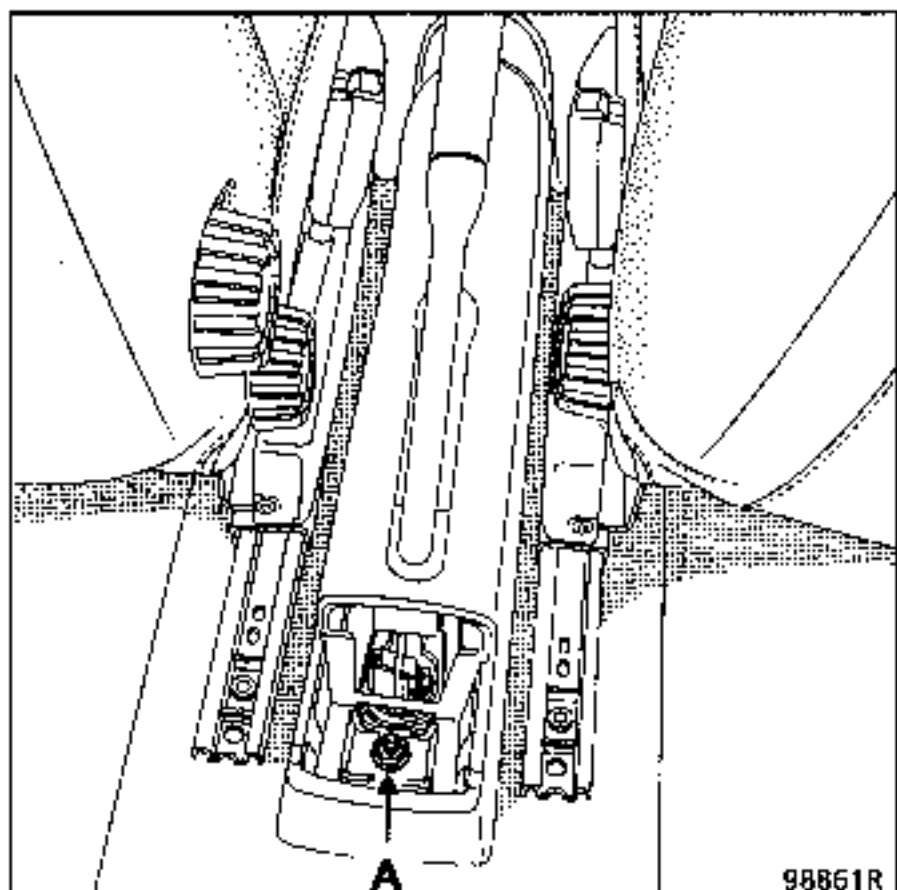
Ensure the rotary switch under the steering wheel is correctly positioned.

If there is any doubt about its positioning, the method given in section 88 of MR "Airbag" must be followed.

The steering wheel nut is pre-bonded and must be renewed each time it is removed.

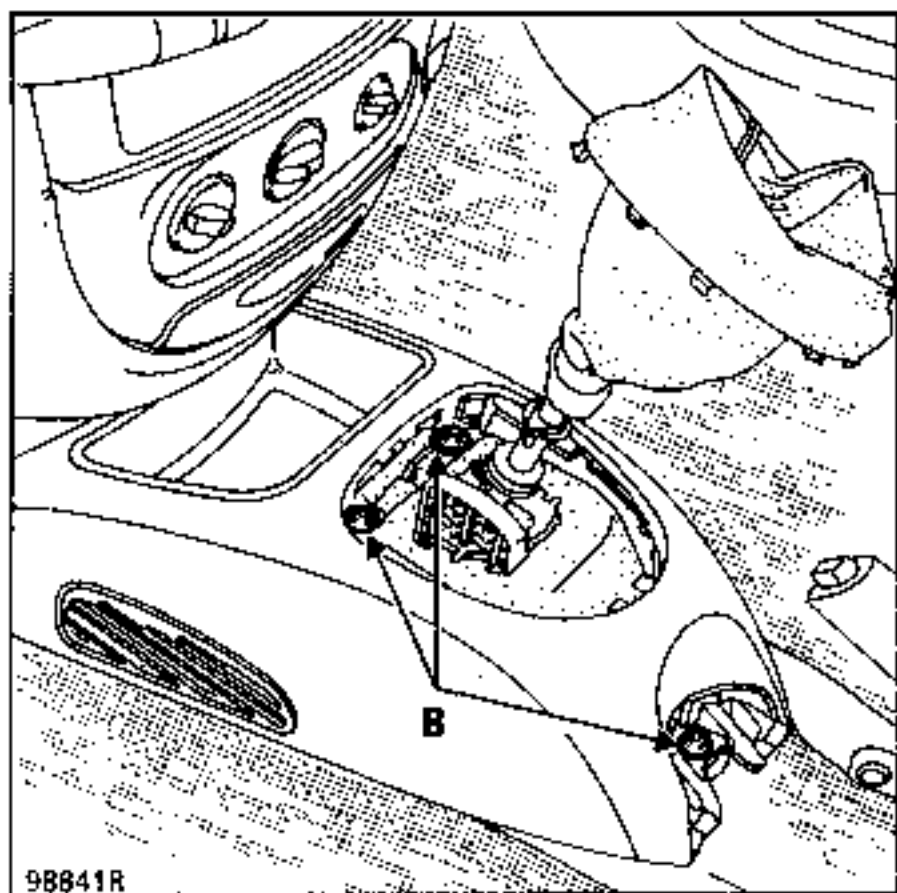
IMPORTANT : For safety reasons, before reconnecting the airbag, check the state of the assembly using the test equipment XRBAG (Elé. 1288). (see section 88 "Airbag").

REMOVAL



Remove:

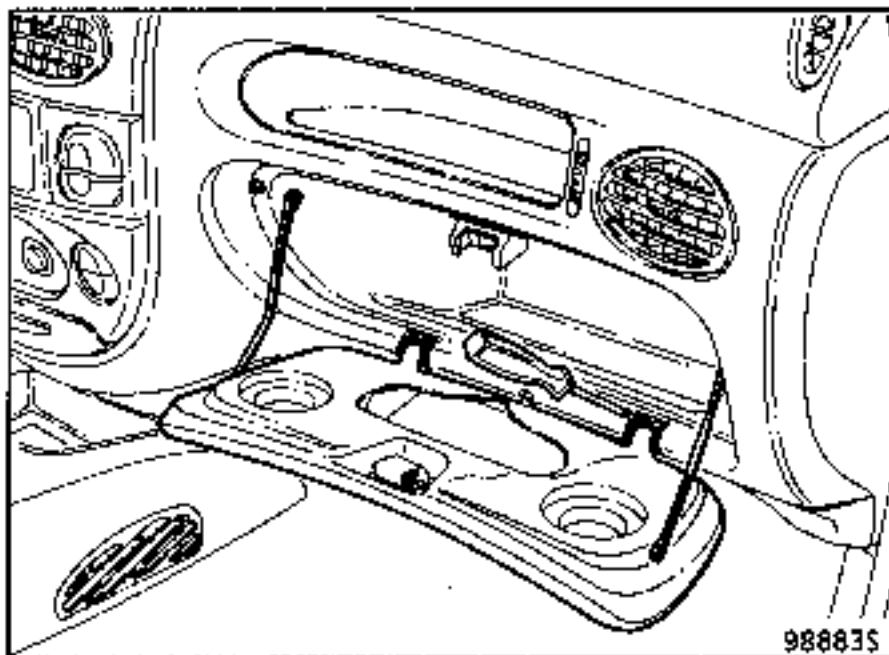
- the ashtray,
- nut (A).



Unclip the gear lever gaiter.

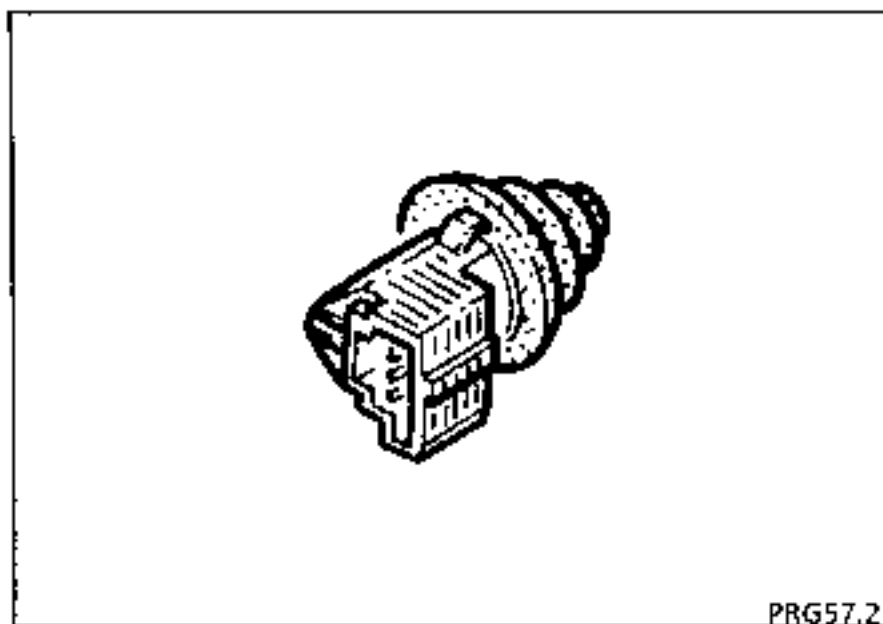
Remove the three bolts (B).

REMOVAL

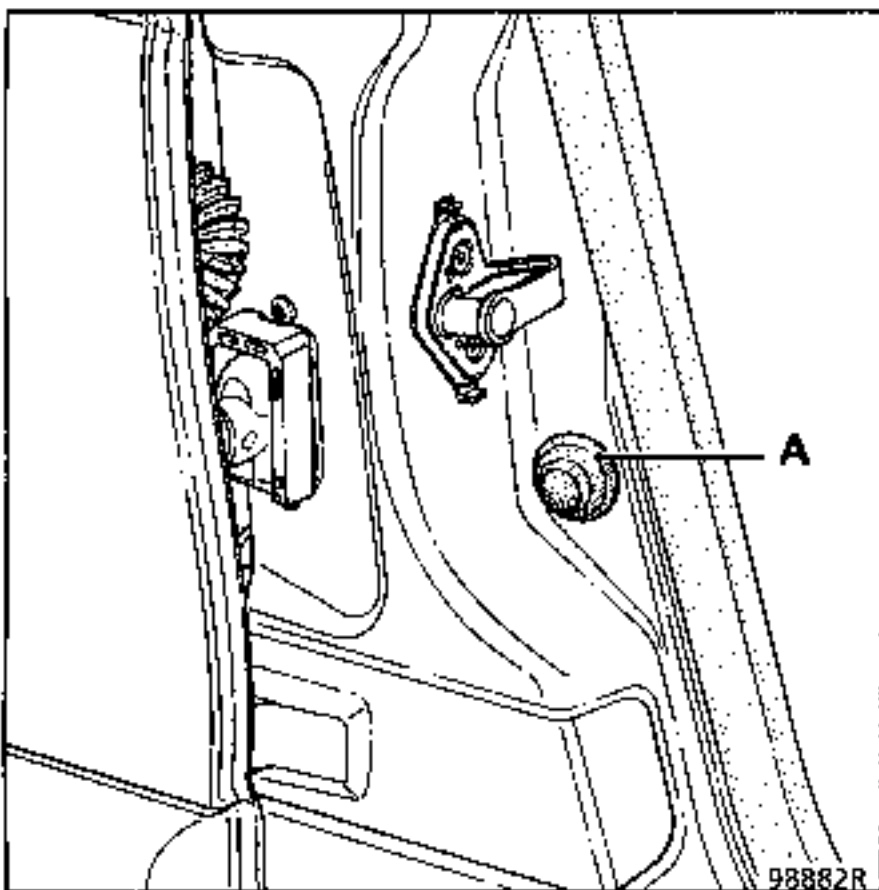


Unclip the two retaining cables.

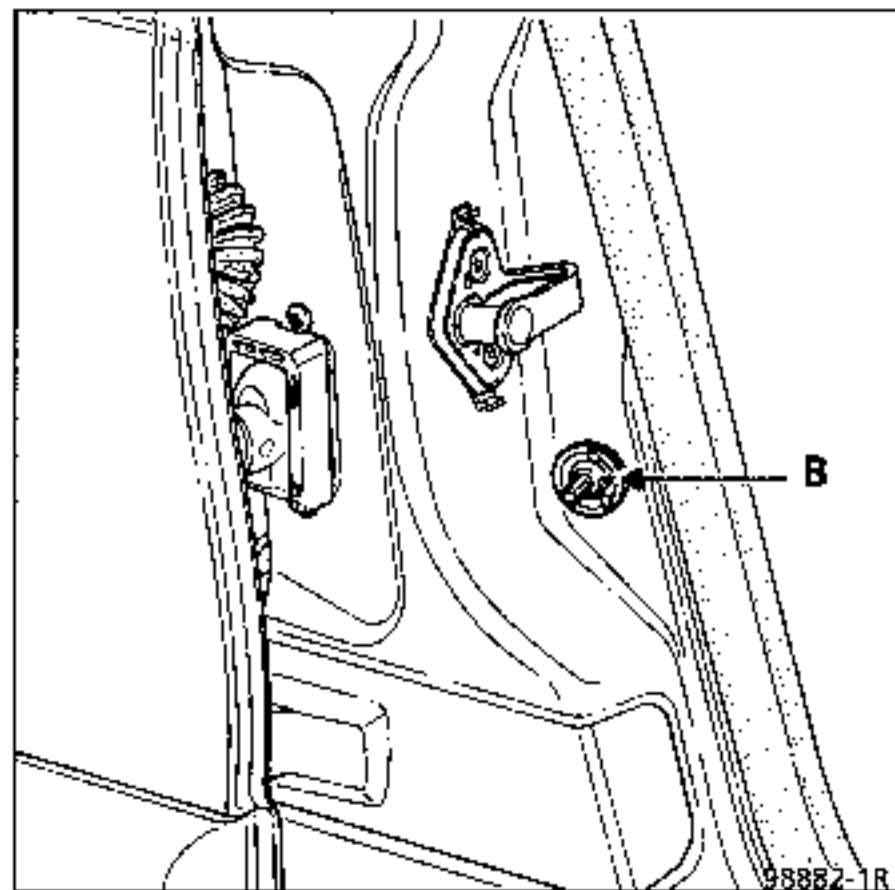
Release the cover by pushing backwards then unclip it with a screwdriver.



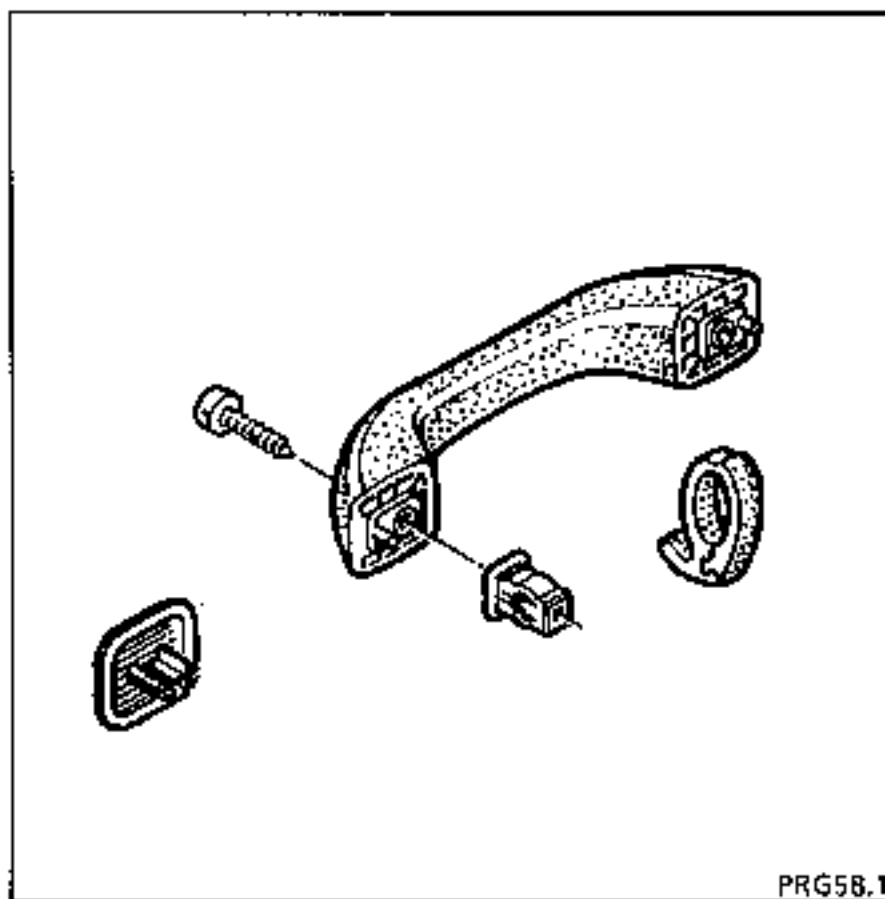
REMOVAL



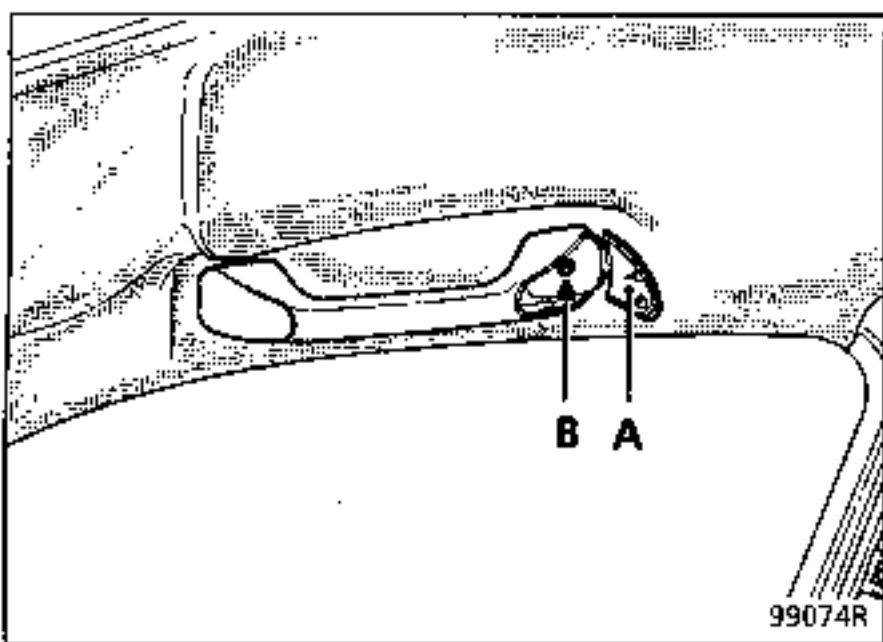
Remove the rubber seal (A).



Align reference mark (B) with the rear of the vehicle, unclip the first tab, the align reference mark (B) downwards and extract the switch.



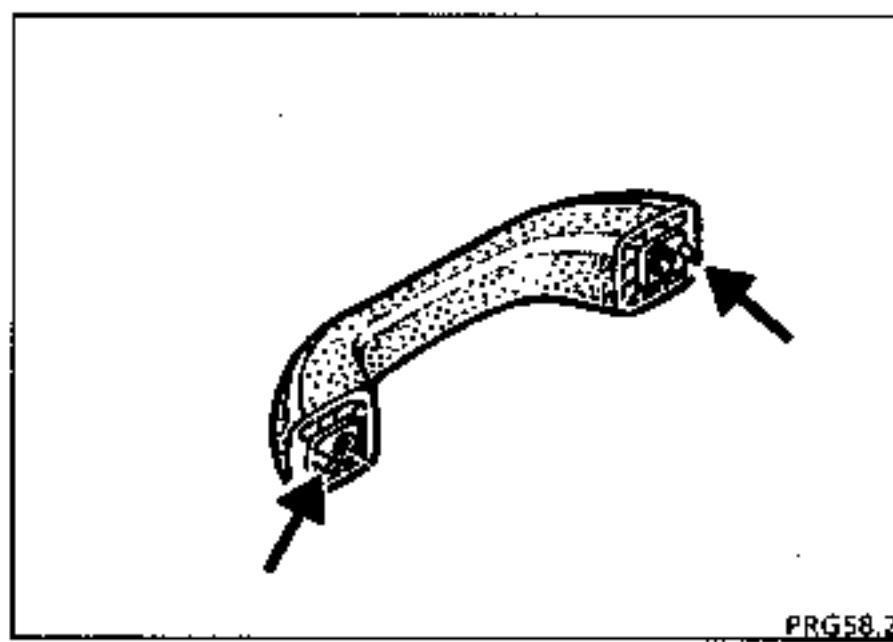
REMOVAL



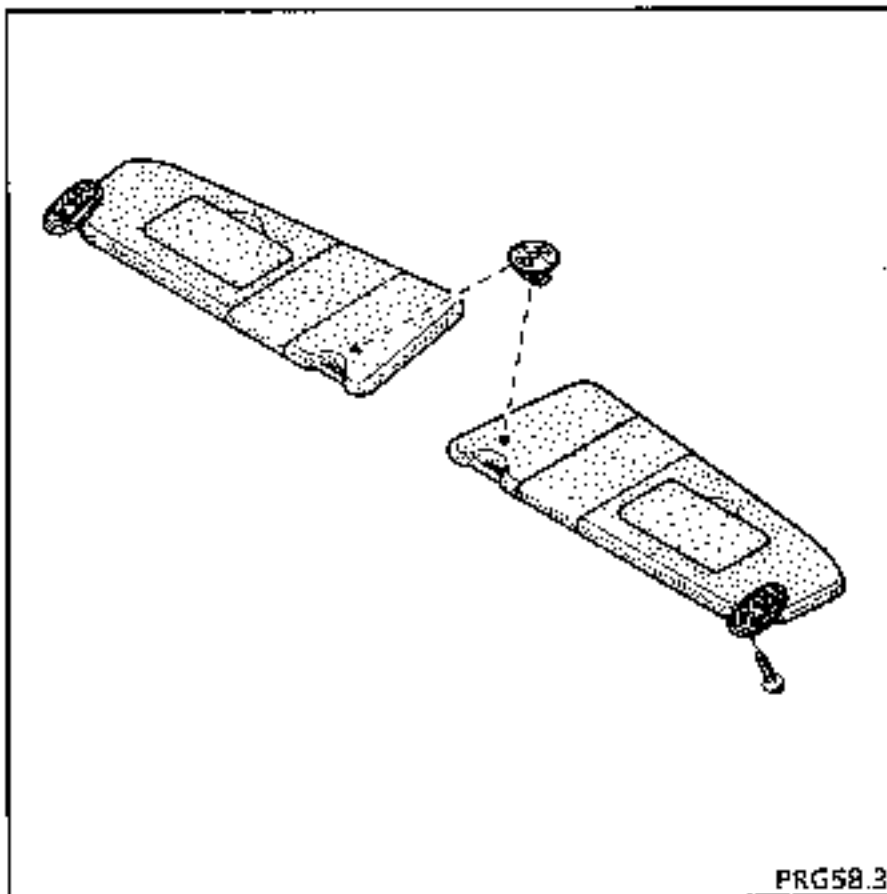
Open the bolt covers (A).

Remove the two bolts (B).

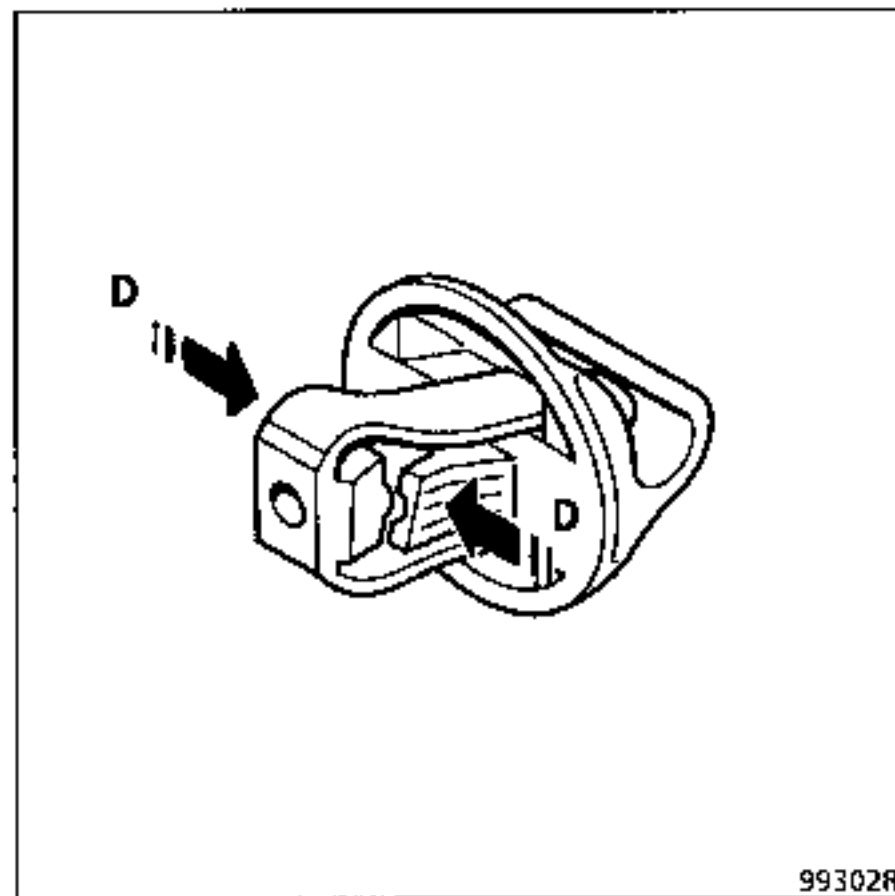
REFITTING



When refitting the handle, its positioning is ensured by two centring pins.



REFITTING

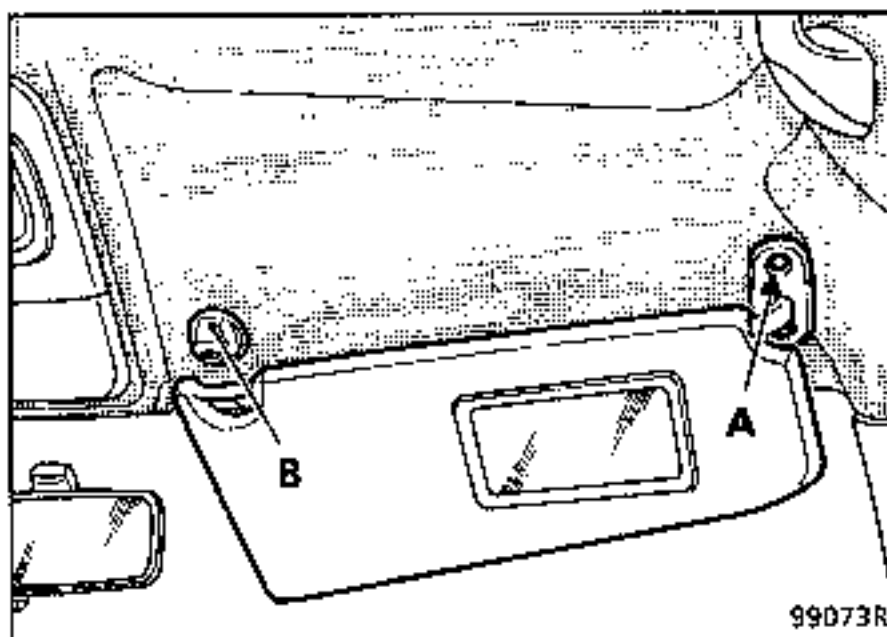


Refitting the retaining clip:

Push the clip mounting bolt to insert lug into position.

To assist with positioning the clip, press lugs (D), using a small flat blade screwdriver.

REMOVAL

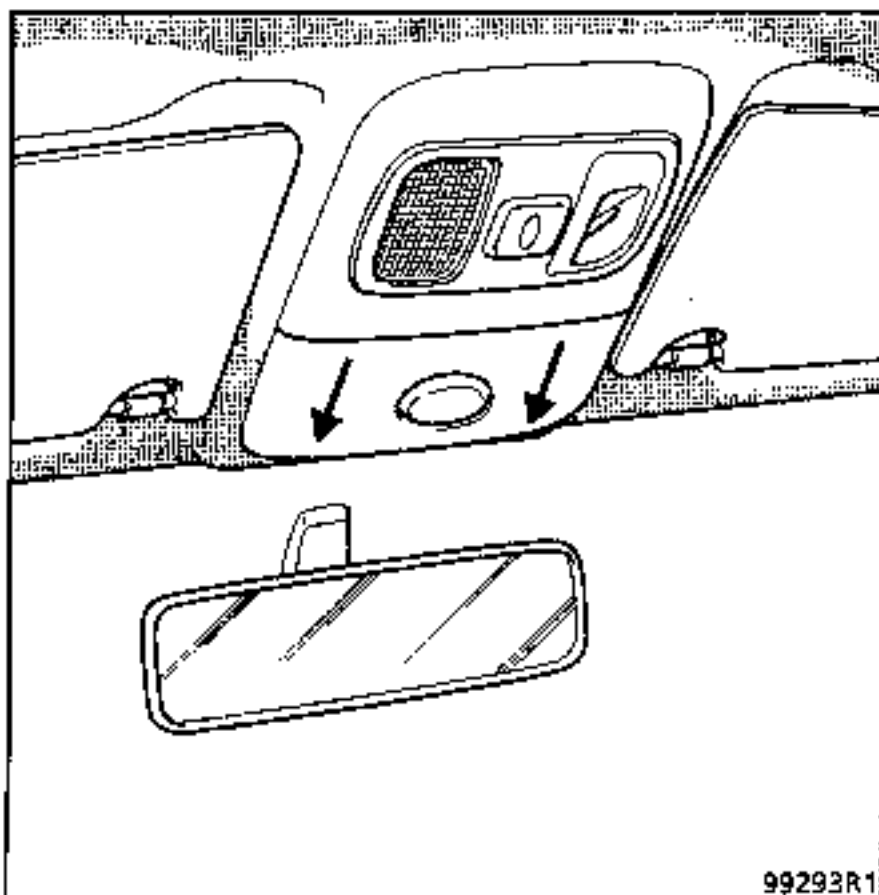


Remove:

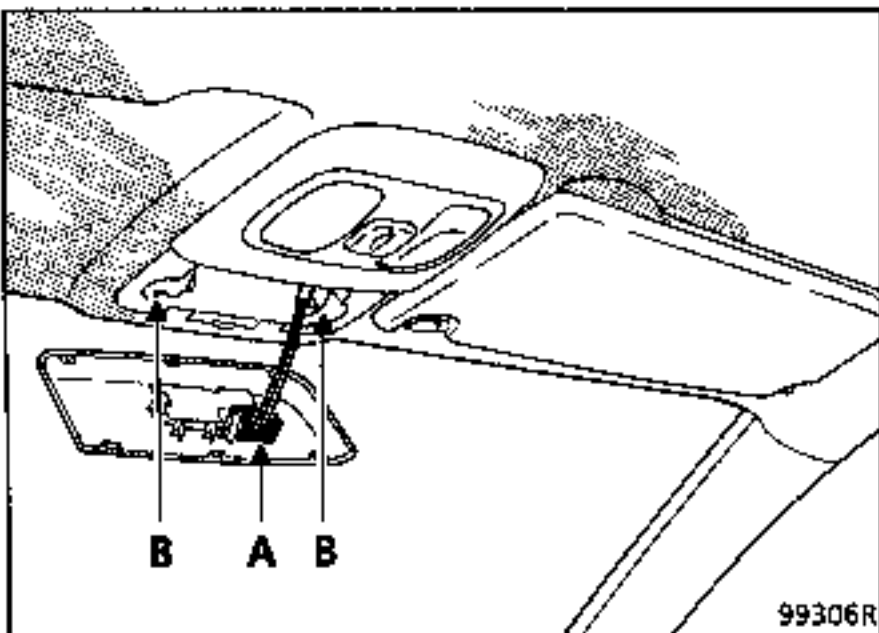
- the two visor mounting bolts (A),
- the retaining clip mounting bolt (B).

Push the retaining clip mounting bolt to release it.

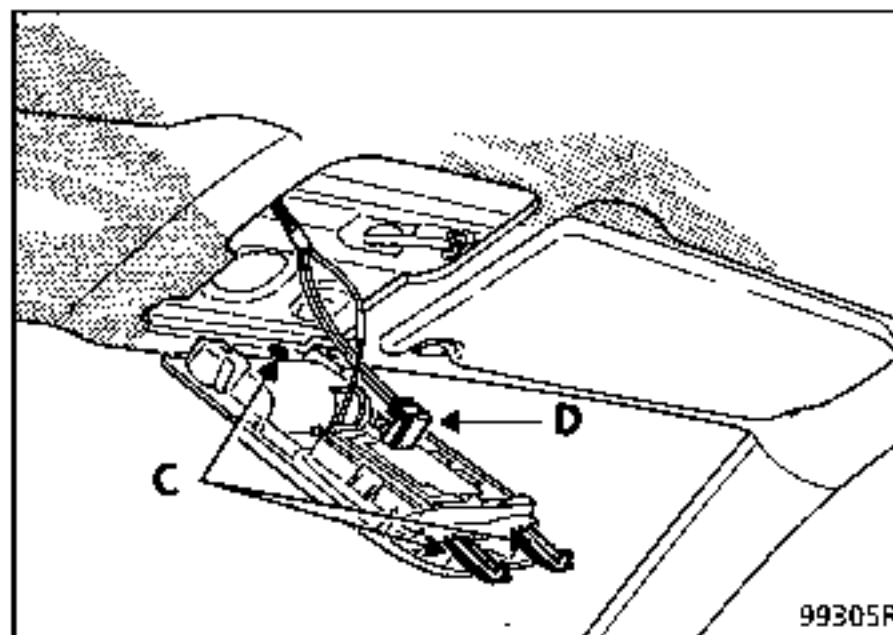
REMOVAL



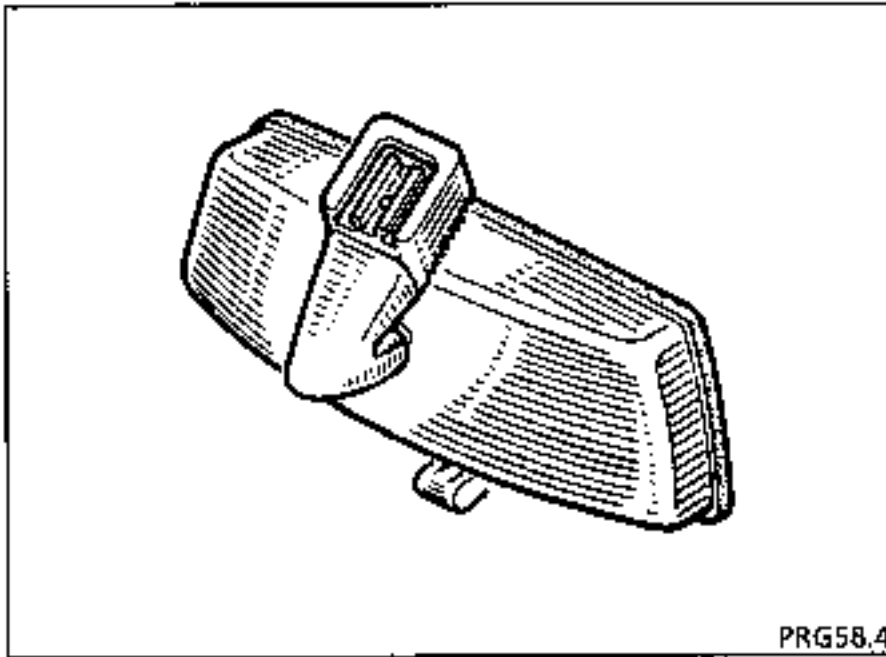
Release the cover as shown above to free the two retaining lugs.



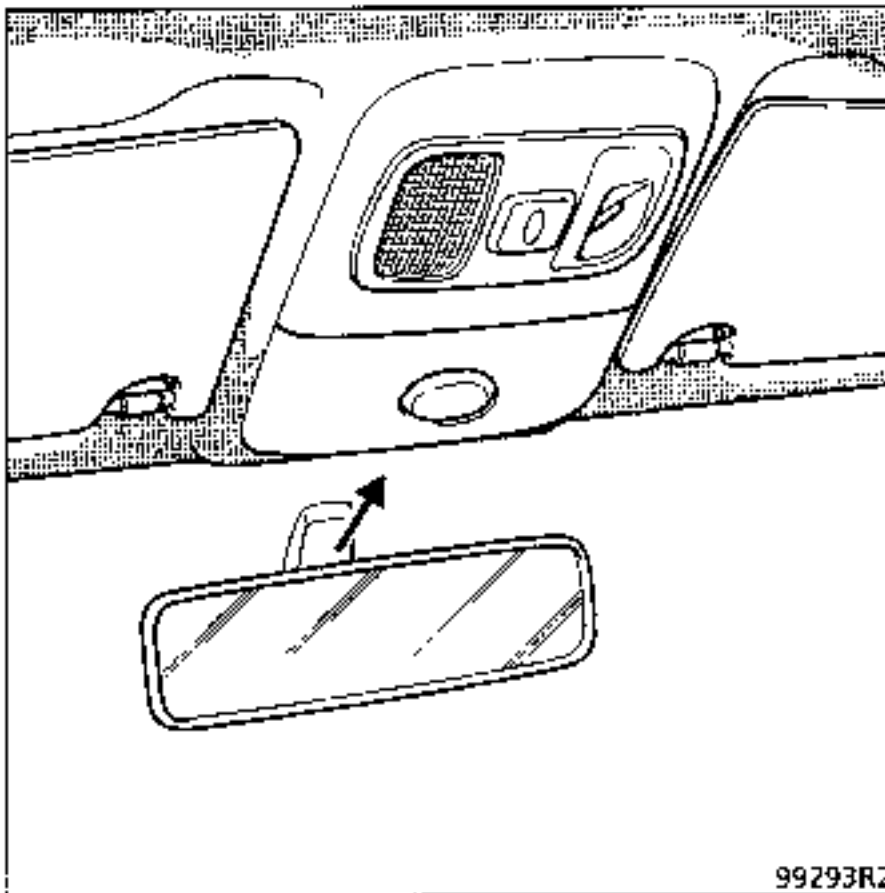
Disconnect the wiring (A).
Remove the cover.
Remove the two bolts (B).



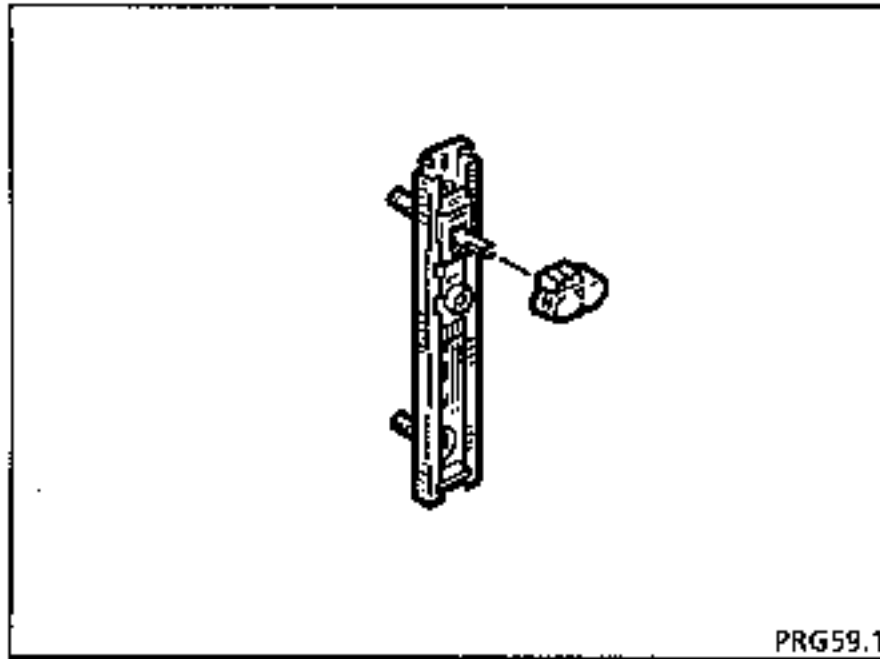
Remove the console towards the front of the vehicle to free the three brackets (C).
Disconnect the wiring (D).
Remove the console.



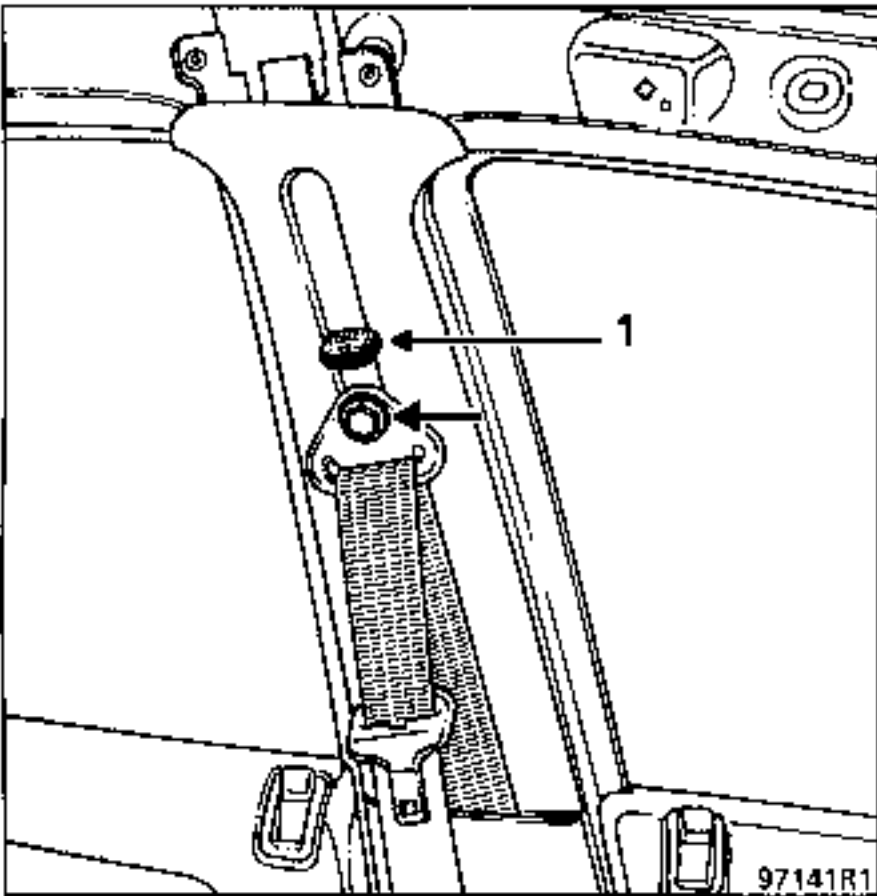
REMOVAL



Release the interior rear view mirror from its mounting which is bonded to the windscreen.

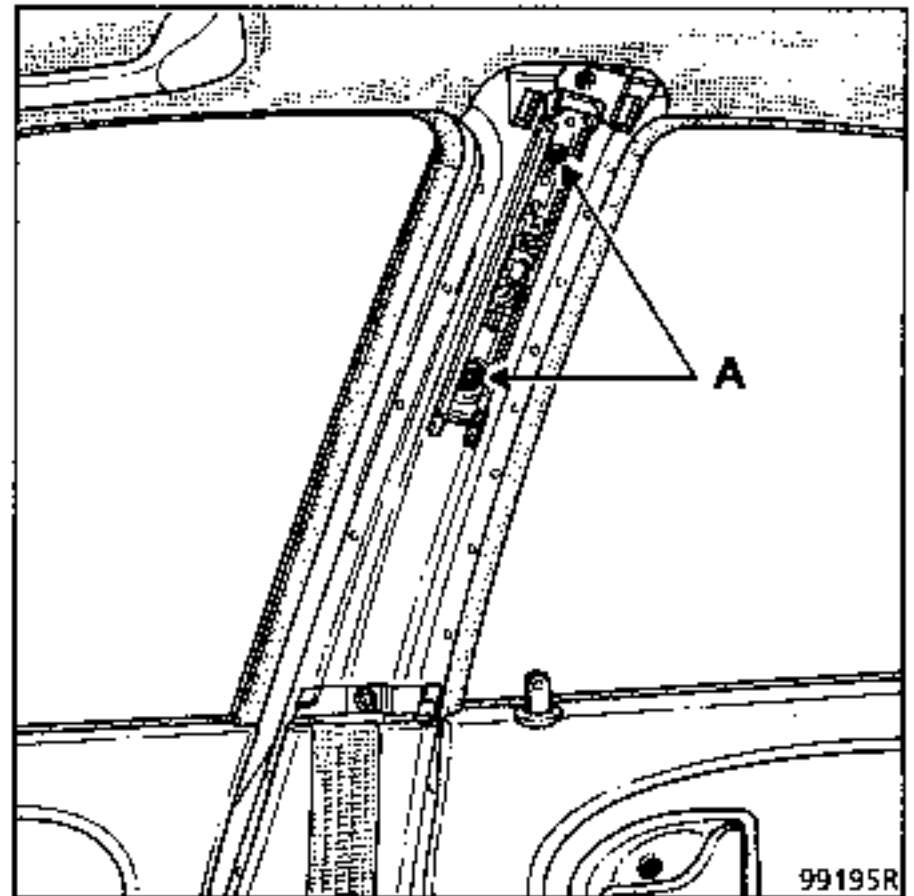


REMOVAL



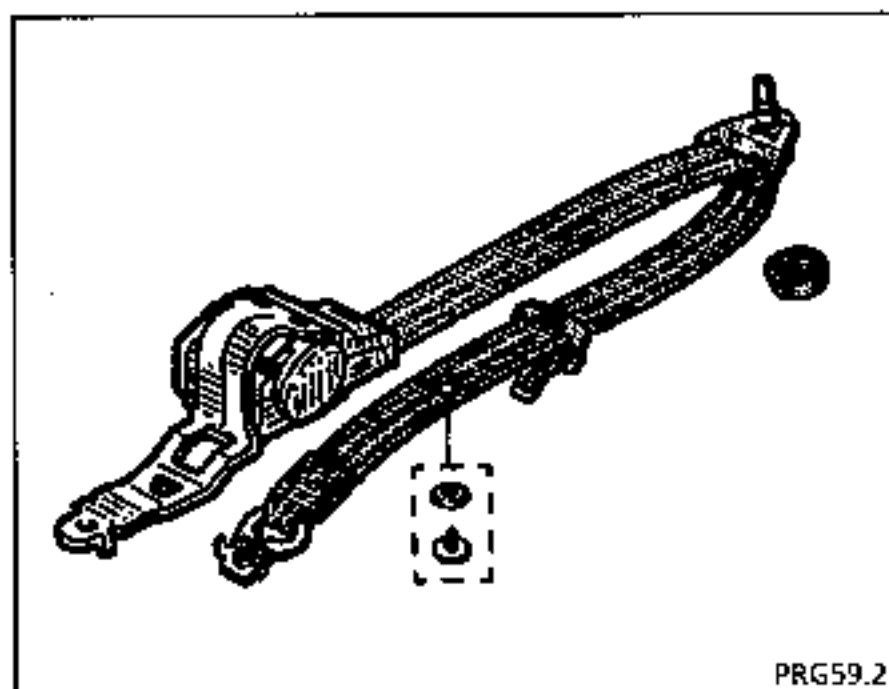
Remove:


- the upper seat belt mounting,
- the adjustment button (1) inserting a flat blade screwdriver into the lower part of the button to separate the two shells.



Remove the upper trim (see 71A).

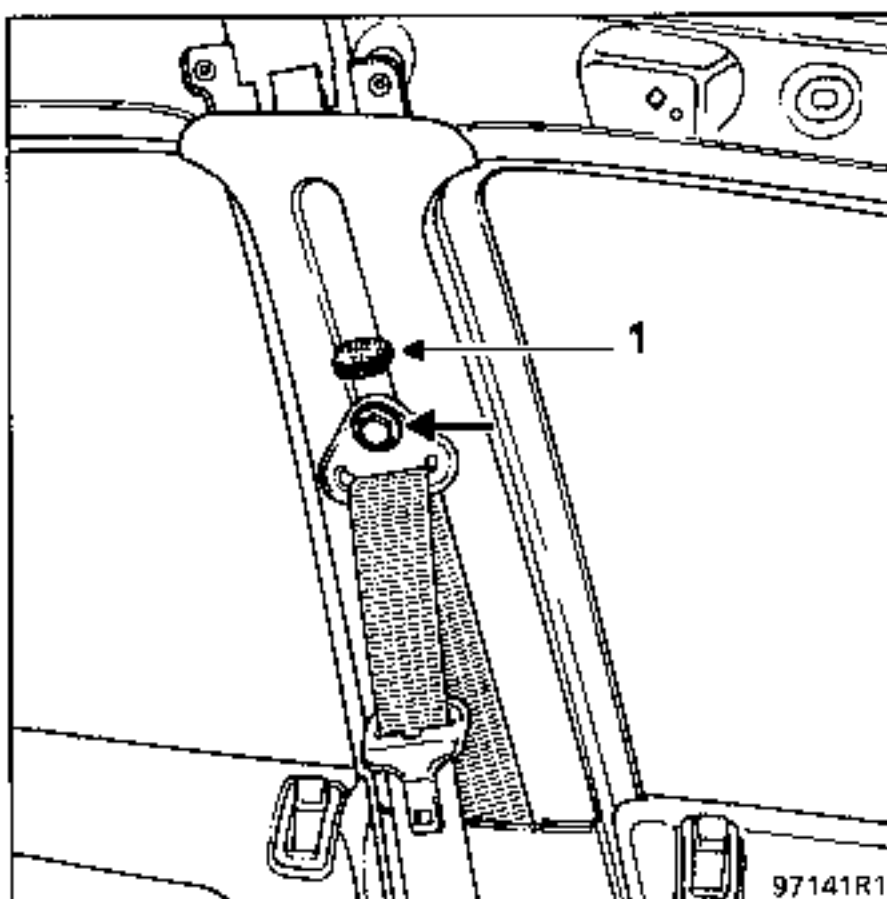
Slacken the two bolts (A) to remove the mechanism.



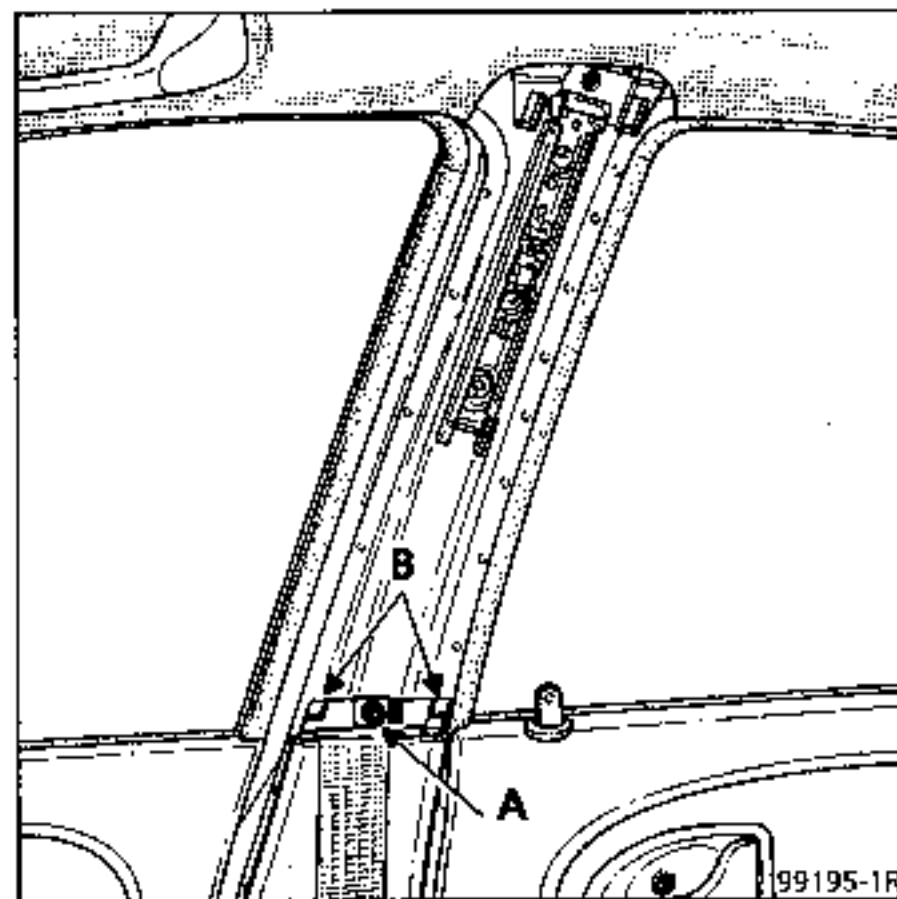
TIGHTENING TORQUES (in daN.m) 	
Seat belt mounting bolt	2.5

IMPORTANT : for seat belts fitted with pretensioners, refer to the Airbag and pretensioner section.

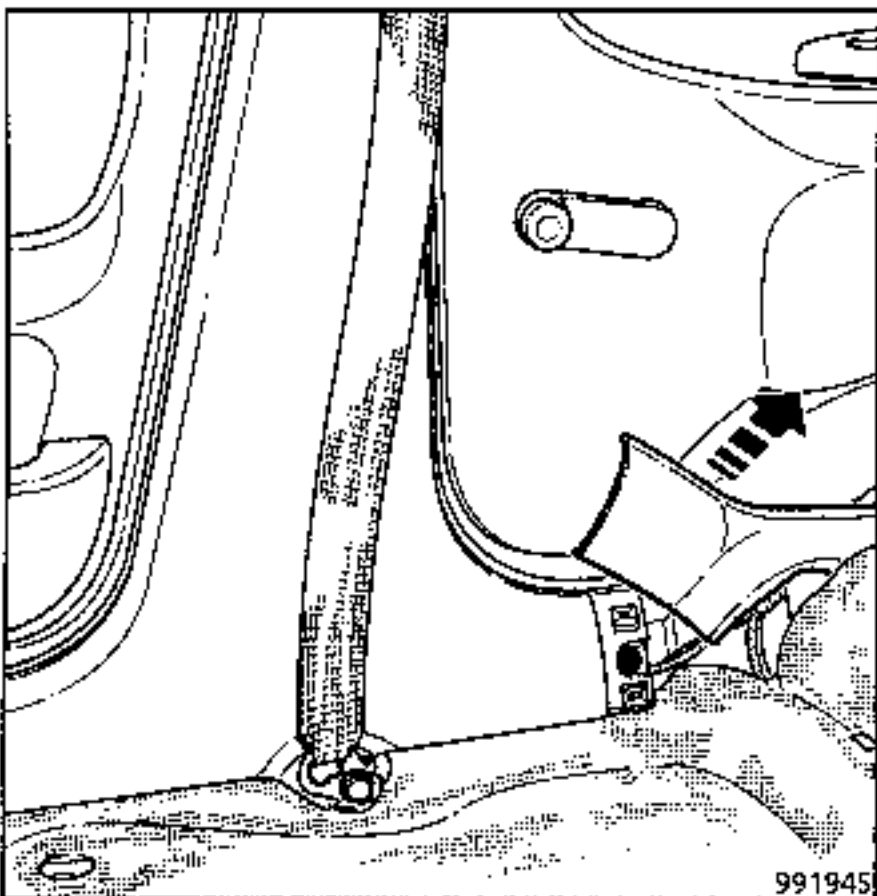
REMOVAL



- Remove:
- the upper seat belt mounting and the adjustment button (1) (see 59A),
 - the centre pillar lining (see 71A).

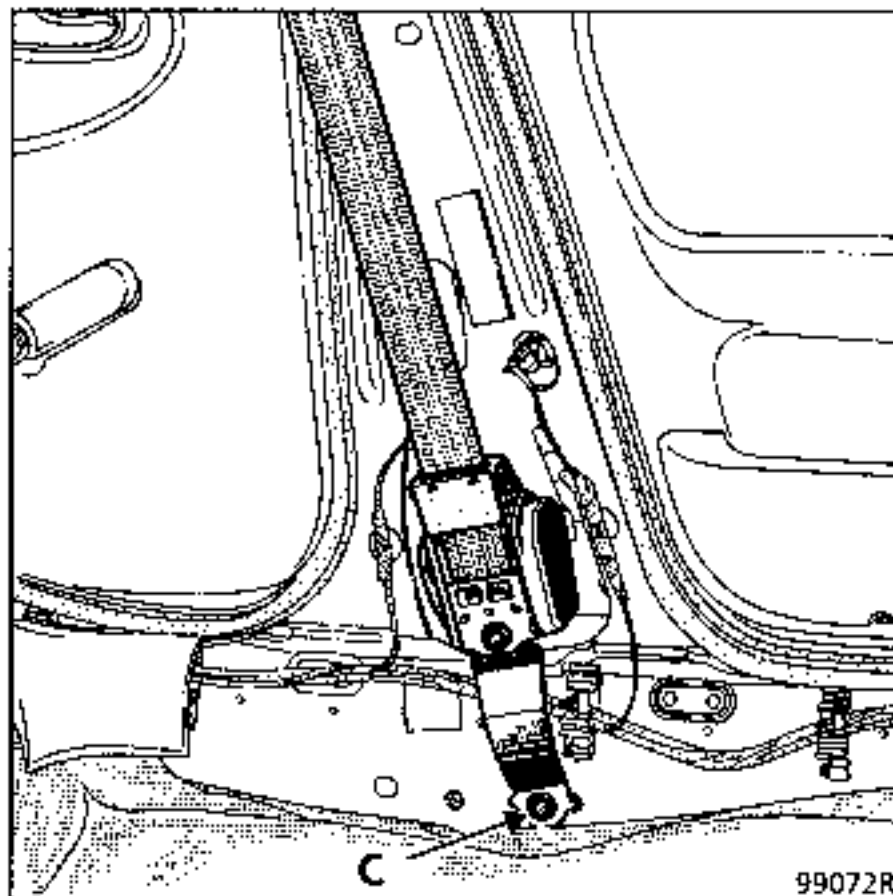


Remove bolt (A) and separate the two lugs (B) to release the seat belt.



Remove:

- the lower front seat belt mounting and its cover,
- the lower centre pillar lining and front valance lining (see 71B).



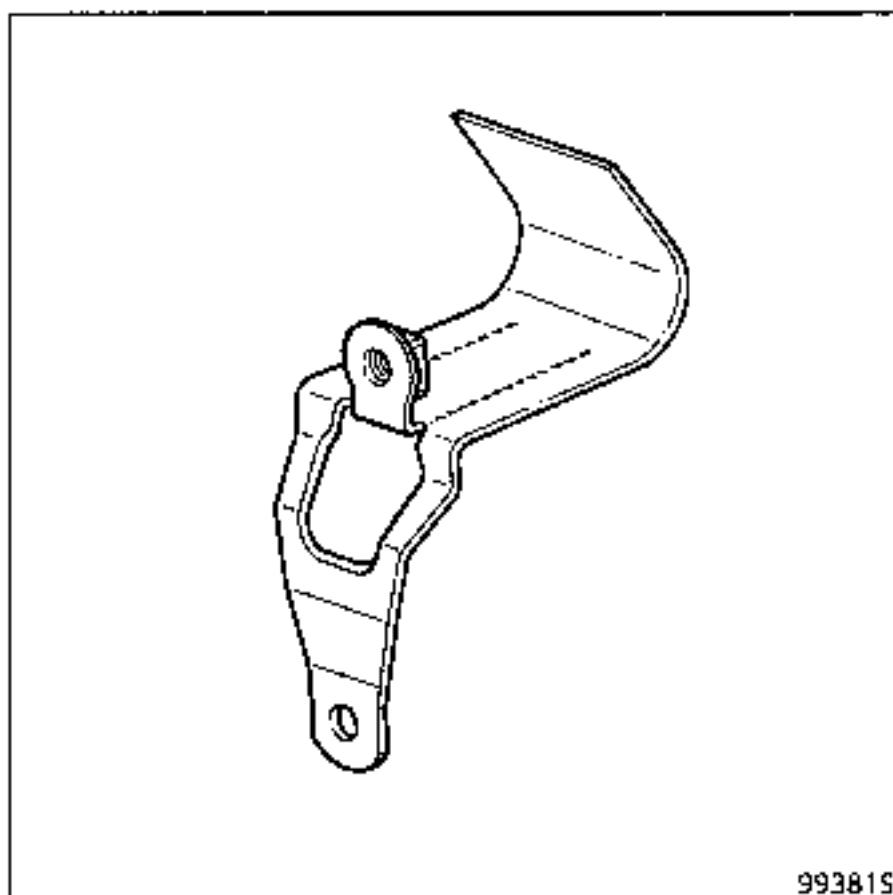
Remove the inertia reel (C).

New programmed restraint system

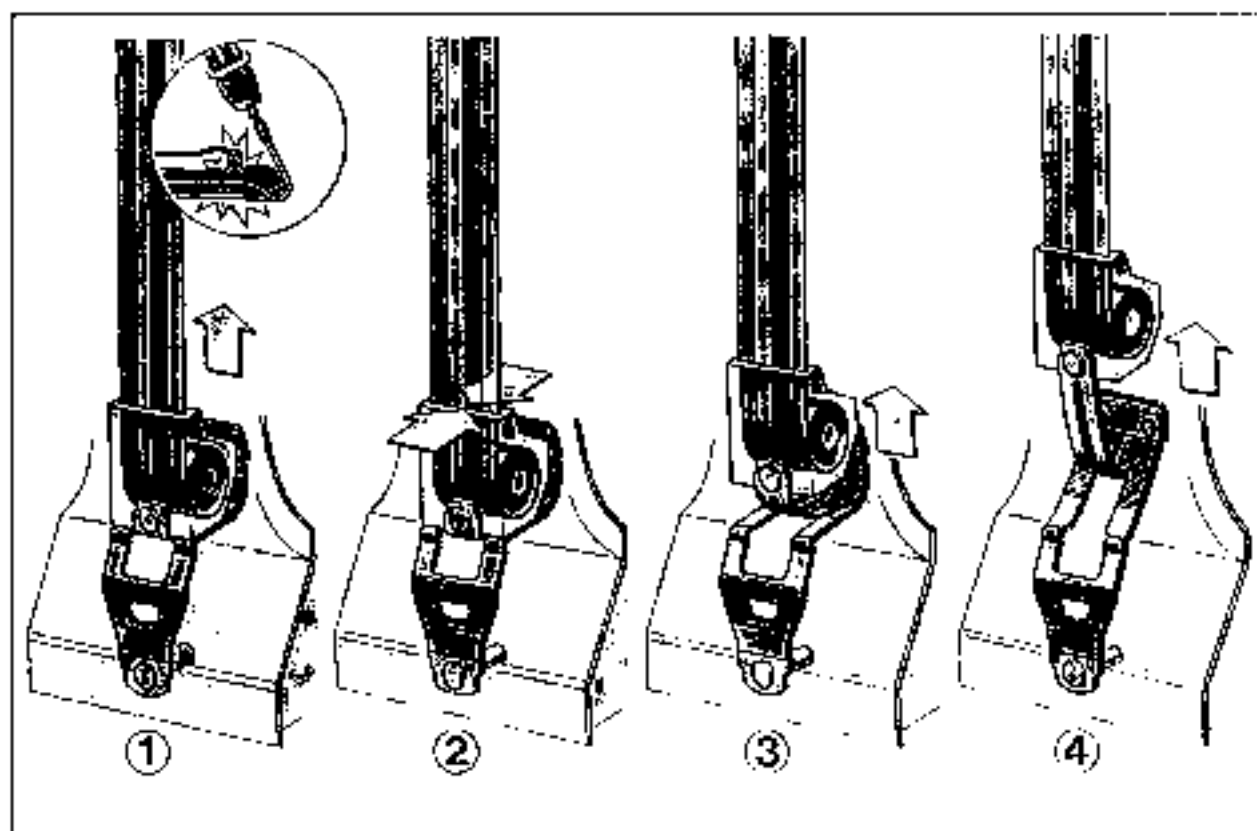
(Passive safety in the event of a violent frontal impact)

The inertia reel is mounted on a fitting which limits the amount of restraining force applied by the seat belt to the pelvis and thorax of the two front seat passengers on sharp deceleration (see following page).

PROGRAMMED RESTRAINT SYSTEM



Inertia reel mounting.

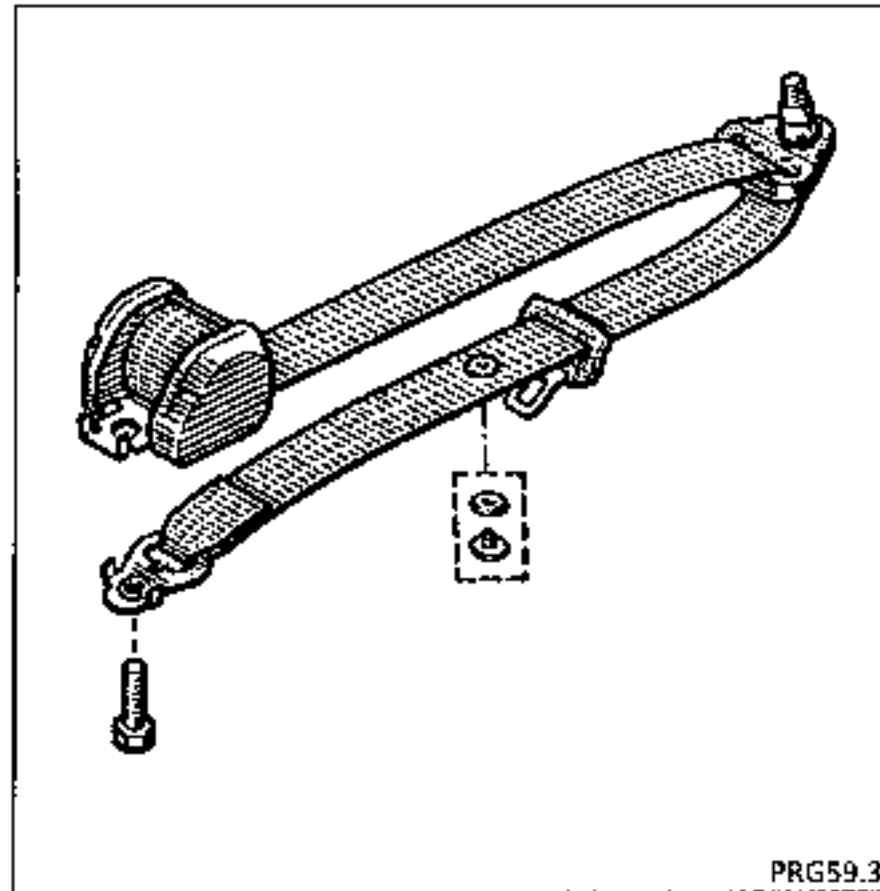



Operating principle:

- pretensioner action (1)
- seat belt locking action (2)
- force limiter action (3) and (4) ; deformation under seat belt strap tension.

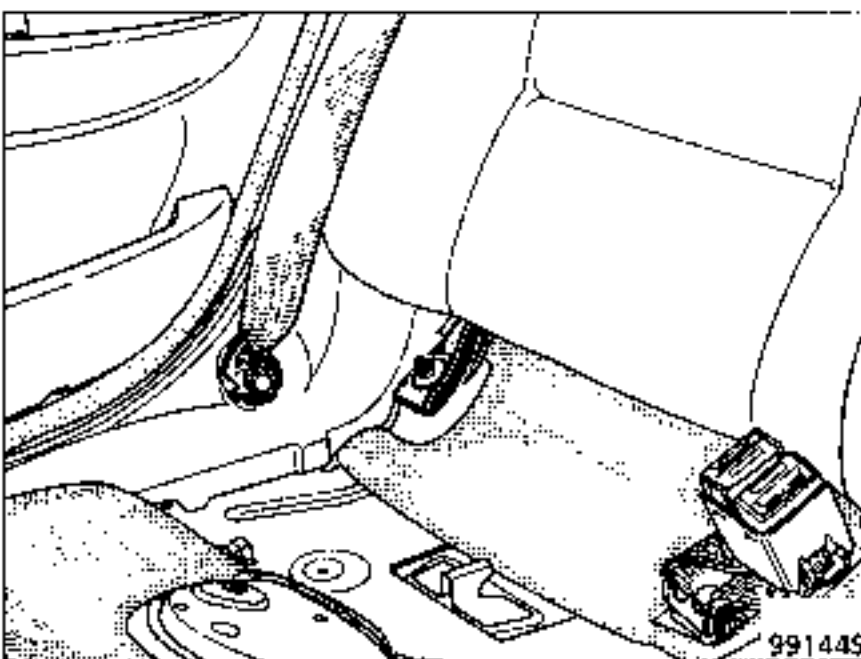
REFITTING

If the pretensioners have been triggered the front seat belt or belts as well as the respective mountings must be systematically renewed if they were fastened when the system was triggered (if there is any doubt about whether the seat belt was being worn, it must be renewed).



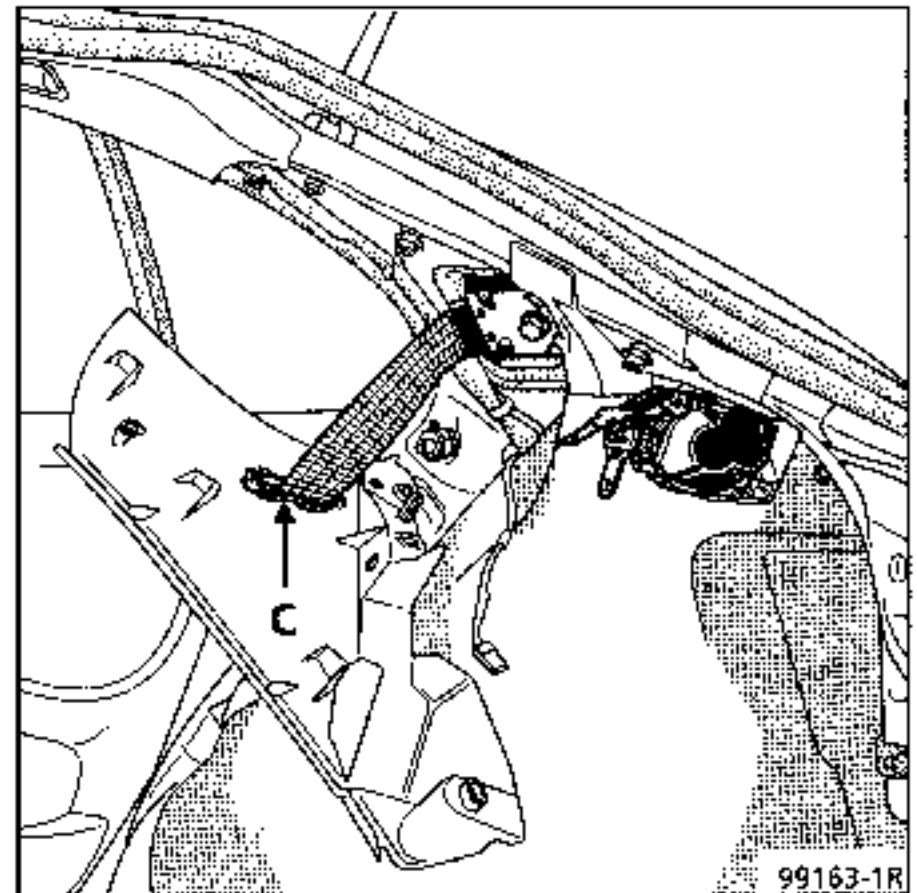
TIGHTENING TORQUES (in daN.m) 	
Seat belt mounting nuts	2.5

REMOVAL

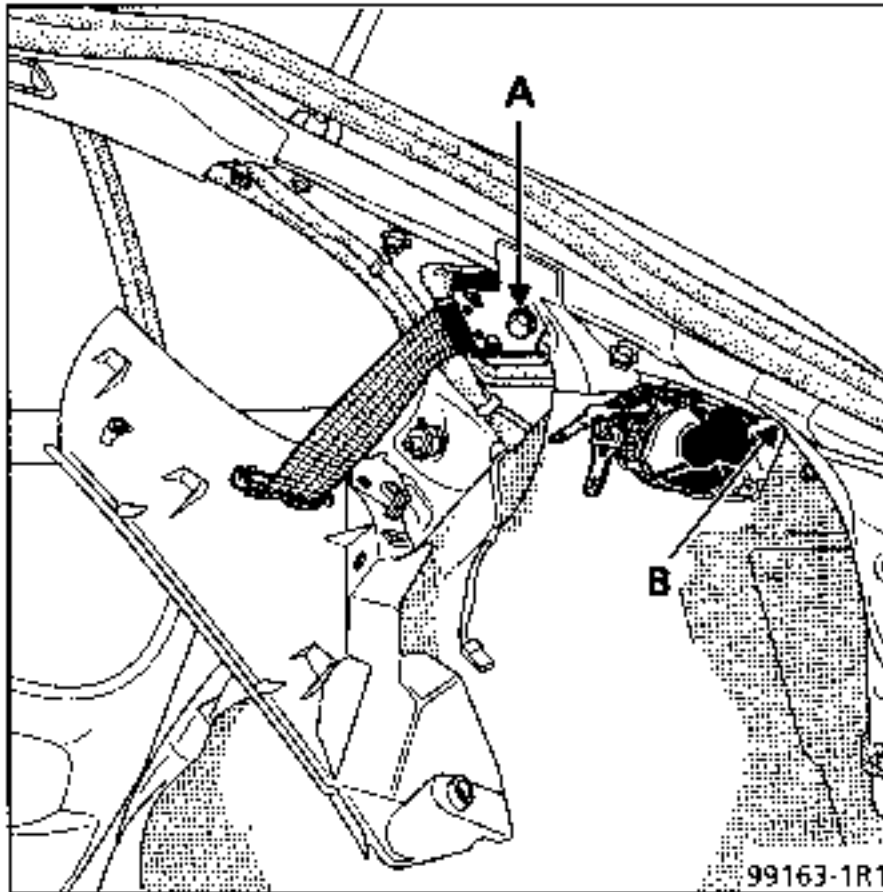


Remove:

- the rear central and side parcel shelves (see 74A)
- the upper rear valance lining (see 71D),
- the rear quarter panel lining (see 71 H),
- the lower seat belt mounting.



Unclip and remove the inertia reel cover (C) with the lower seat belt mounting to allow the lining to be removed.

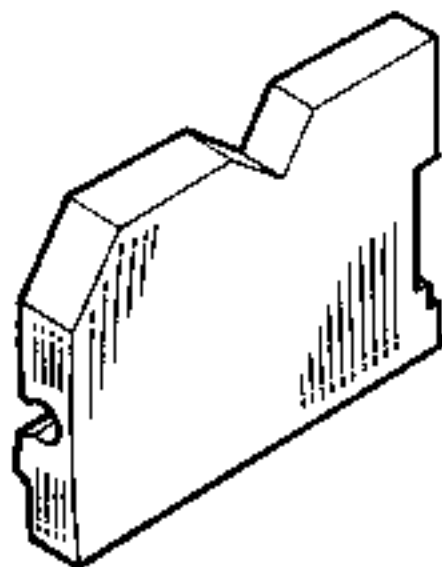


Remove:

- the inertia reel mounting (A).
- the inertia reel mounting (B) for the third rear seat belt (right hand side).

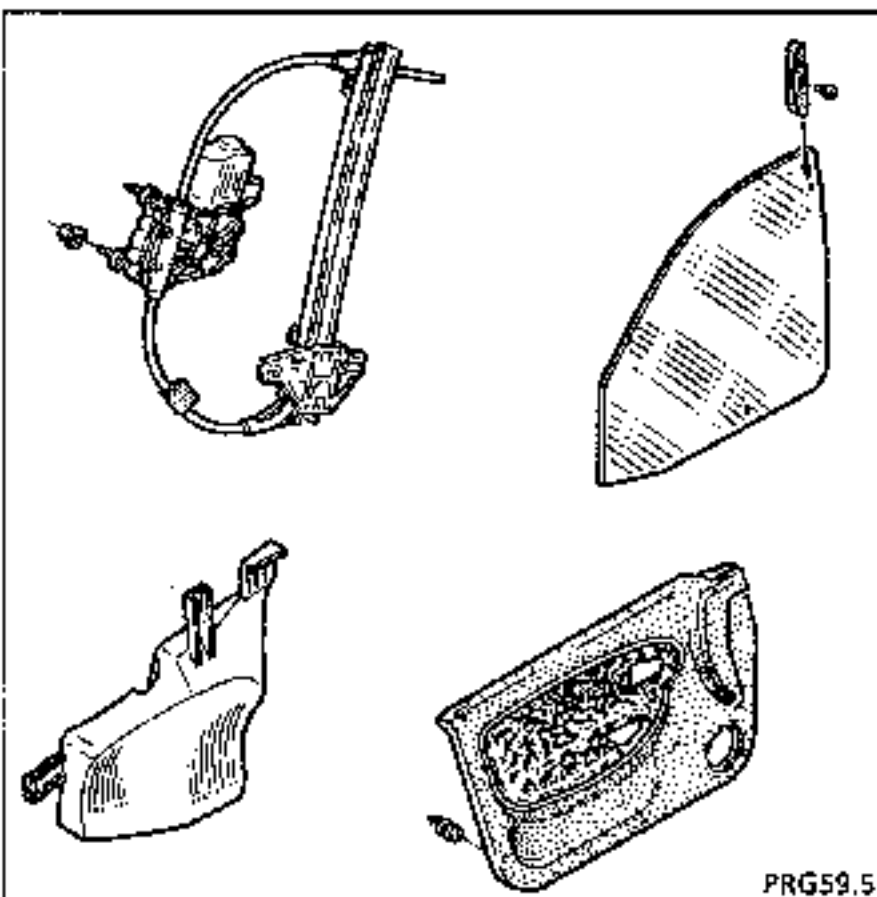
REFITTING

Ensure the lower mounting bracket is correctly positioned on the lower rear valance lining before refitting the mounting.

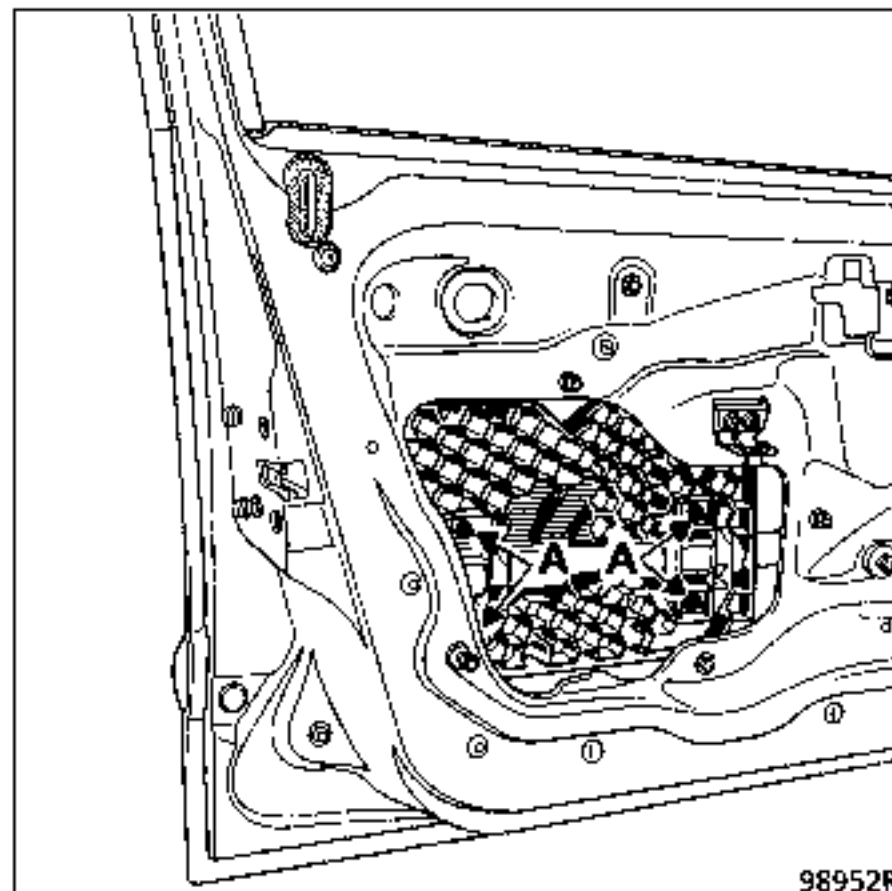


PRG59.4

REMOVAL



PRG59.5



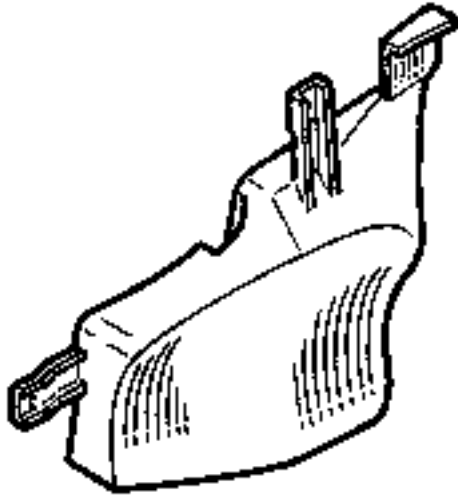
98952R

Remove the four nuts (A).

Release the absorber from the reinforcing bar.

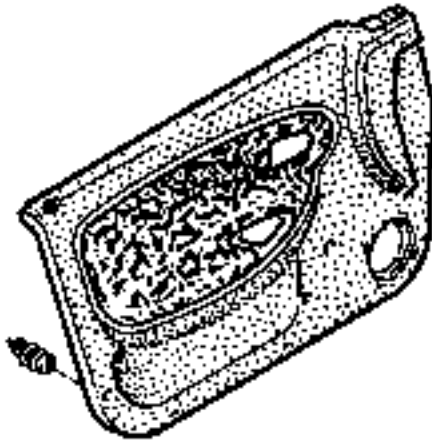
Remove:

- the front door trim panel (see 72B).
- the interior side impact absorber (see 59E).
- the window (see 54B),
- the front door window winder (see 51H)



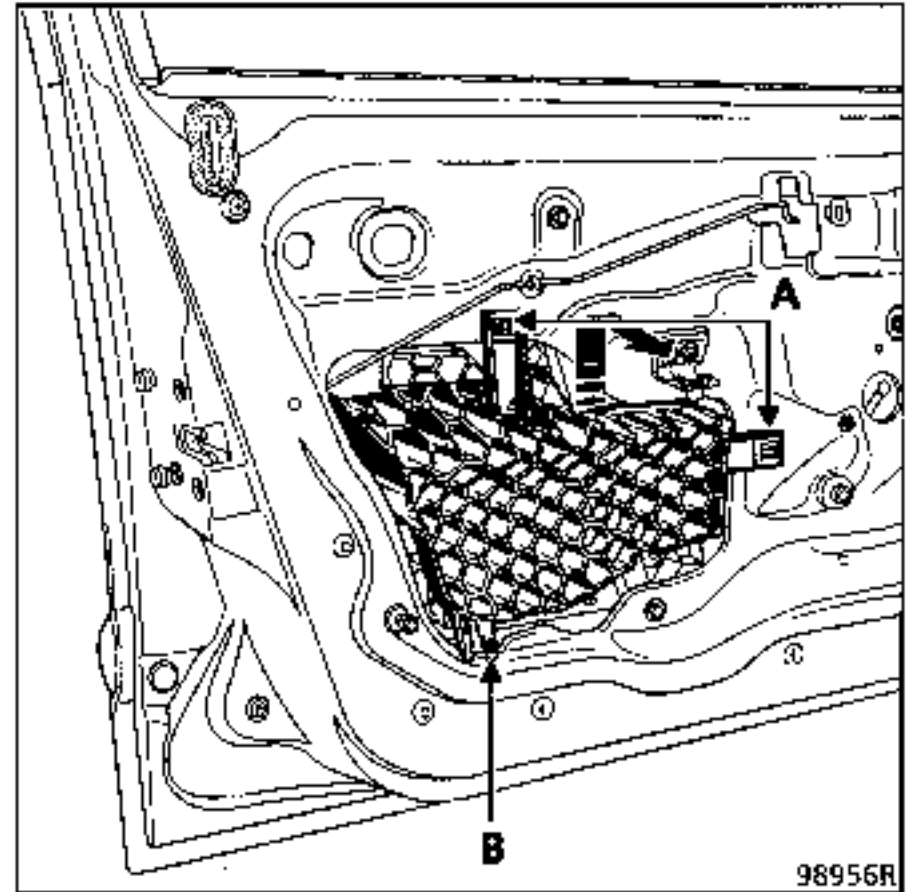
PRG59.6

REMOVAL



PRG59.7

Remove the front door trim panel (see 72B)

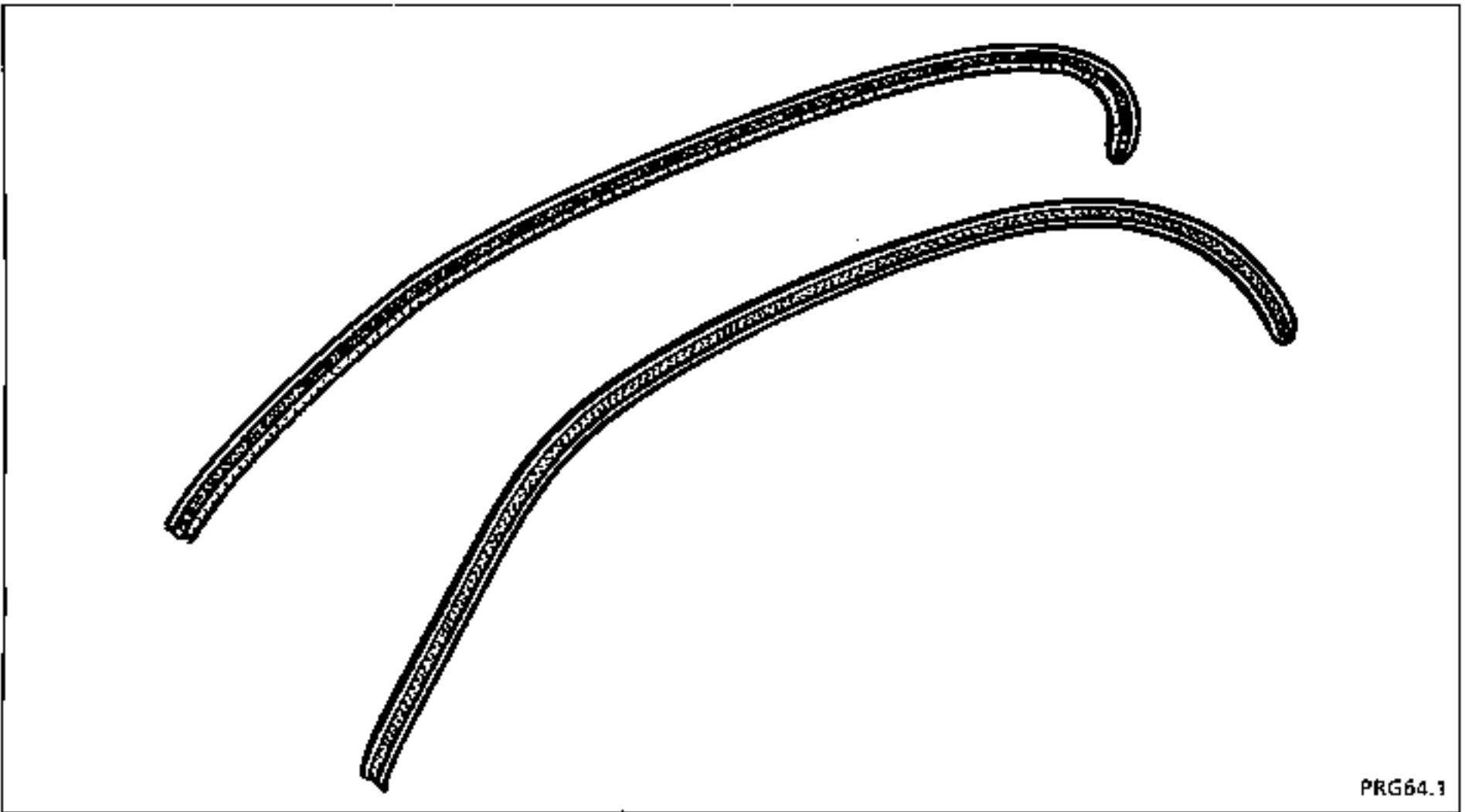


98956R

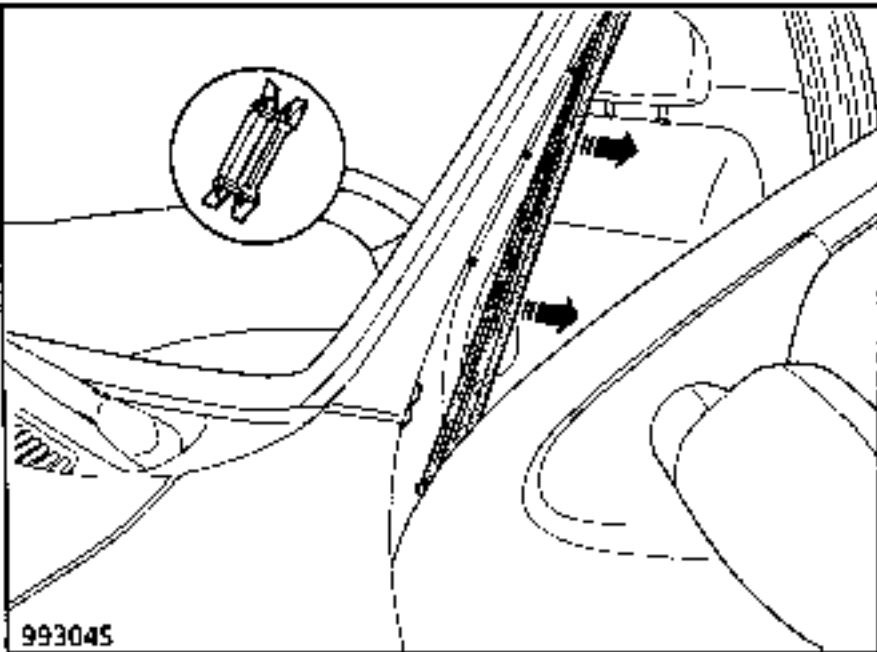
Release the two clips (A).

Lift the absorber slightly to release the pin (B) to remove the absorber.

REMOVAL

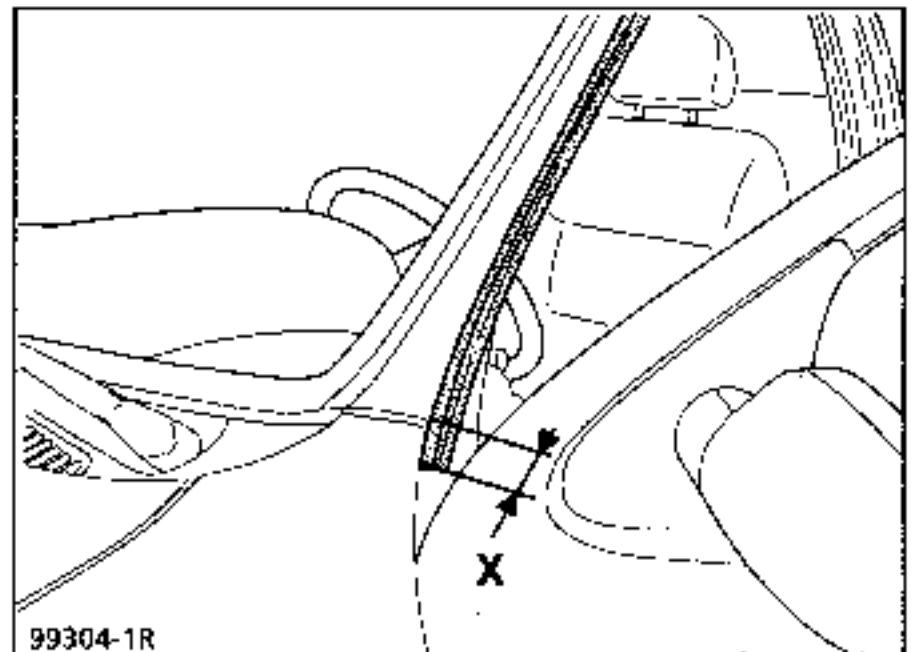


The seal is fitted using KSM sealed rivets.

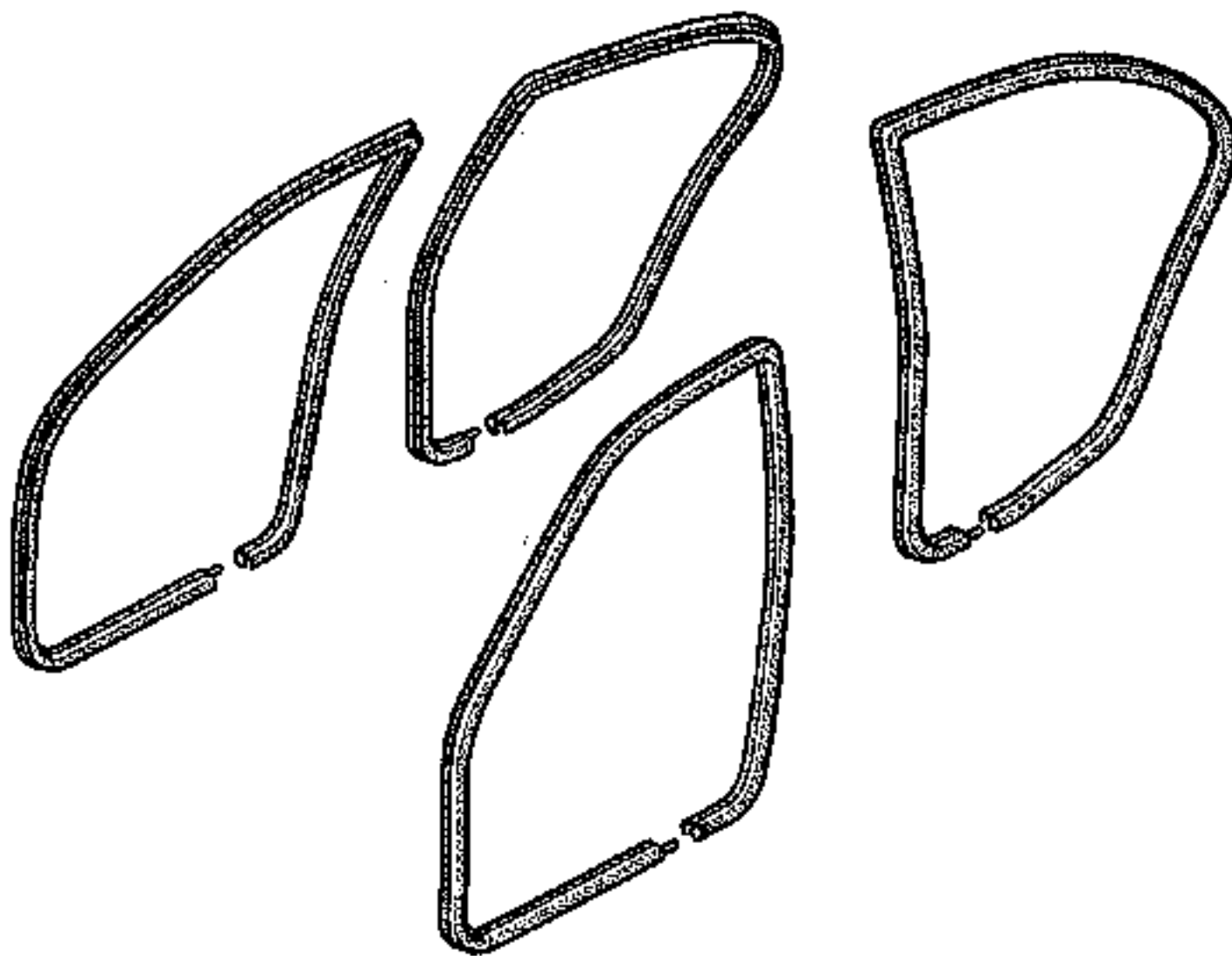


Pull the seal carefully to remove the separate mounting clips.

REFITTING

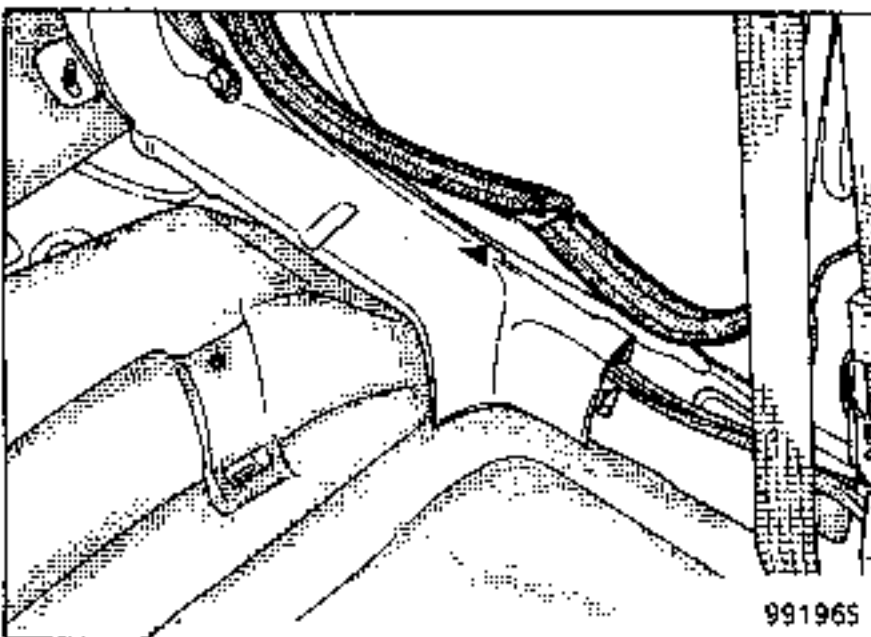


When refitting, position all the clips on the rivets and clip the seal to the body, beginning with the front end, 2cm below the lower section of the windscreen pillar (X).



PRG65.1

REFITTING

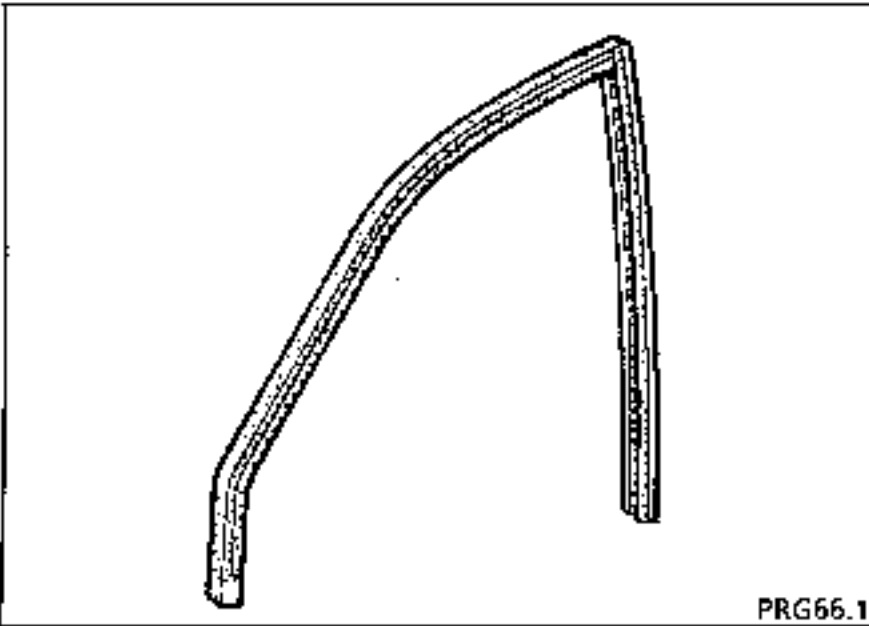


991965

IMPORTANT: this seal must be correctly positioned to ensure sealing of the opening element.

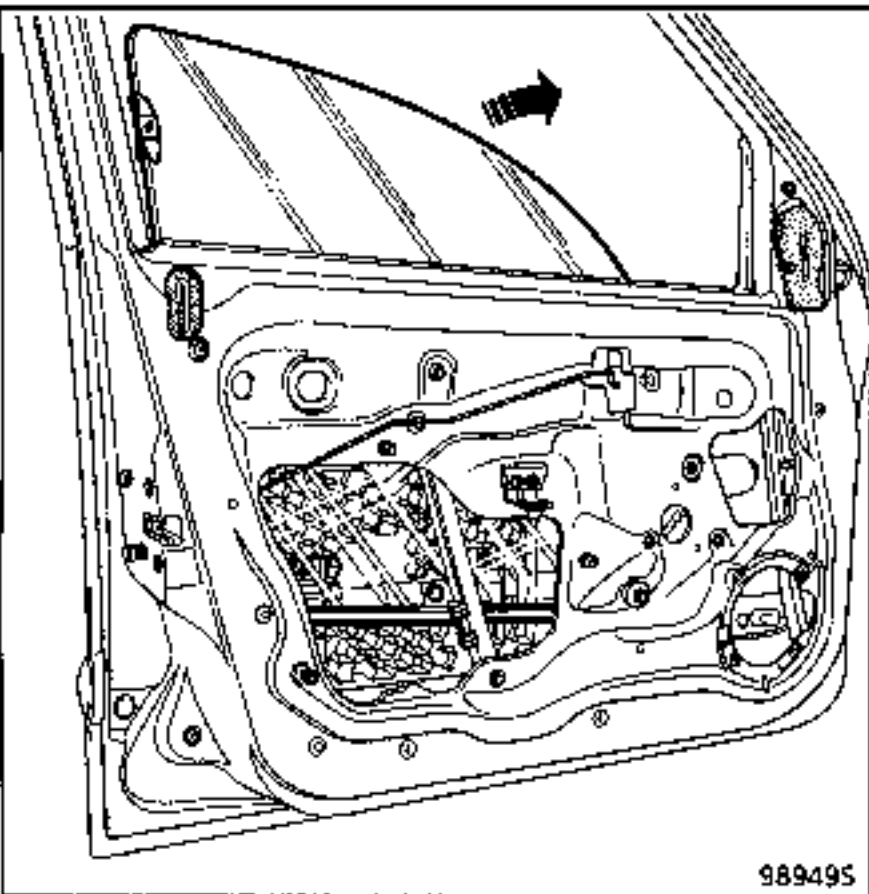
When refitting bodywork seals, begin fitting the seal at the arrow on the valance linings.

REMOVAL



Remove:

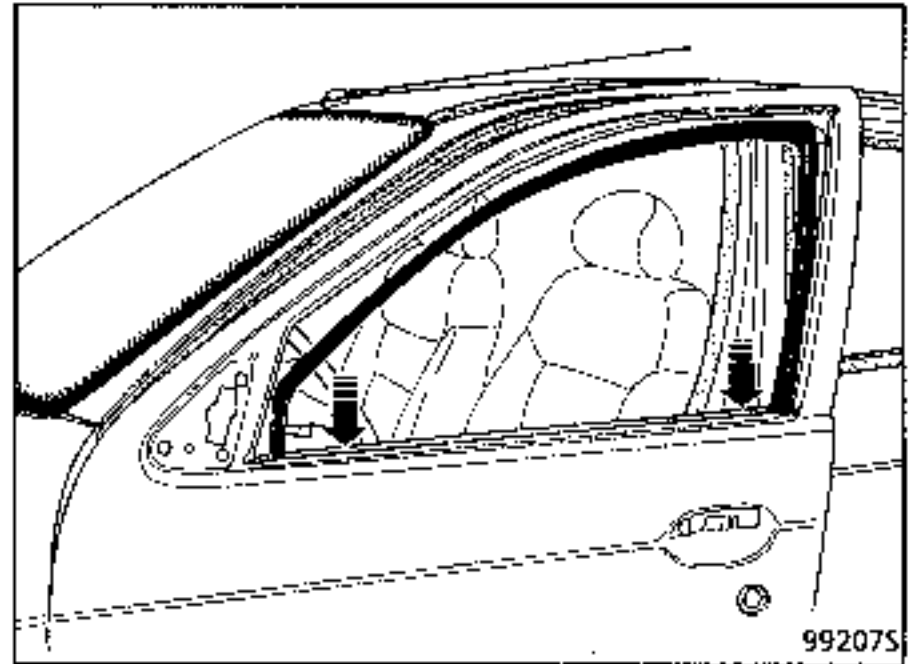
- the front door trim panel (see 72 B),
- the exterior rear view mirror (see 56 B),
- the front door exterior weatherstrip (see 66 B),
- the front door interior weatherstrip (see 66 C),



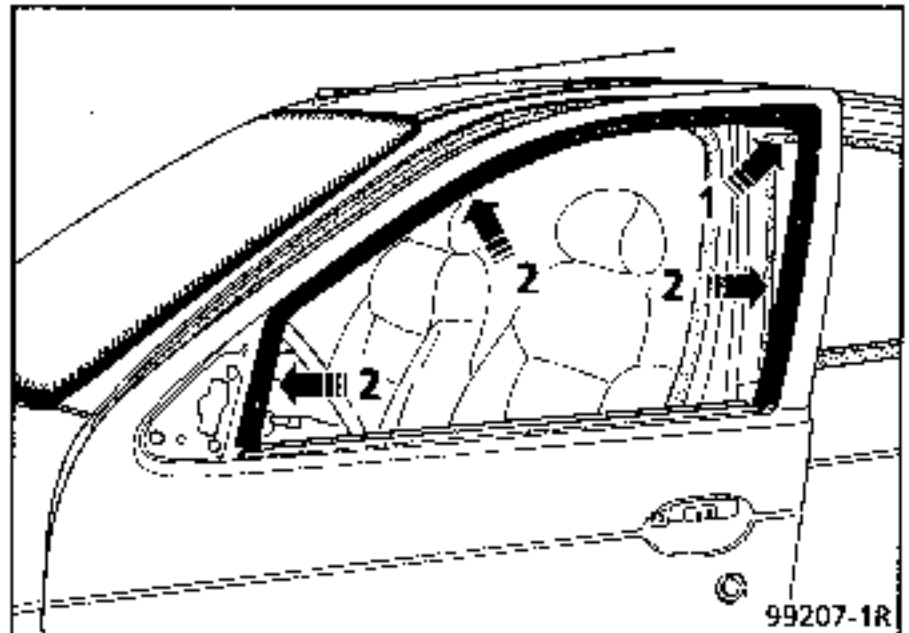
Release the window guide bracket.

Release the guide with care, beginning by releasing the two vertical parts from the groove.

REFITTING



Position the two vertical parts in the door section.

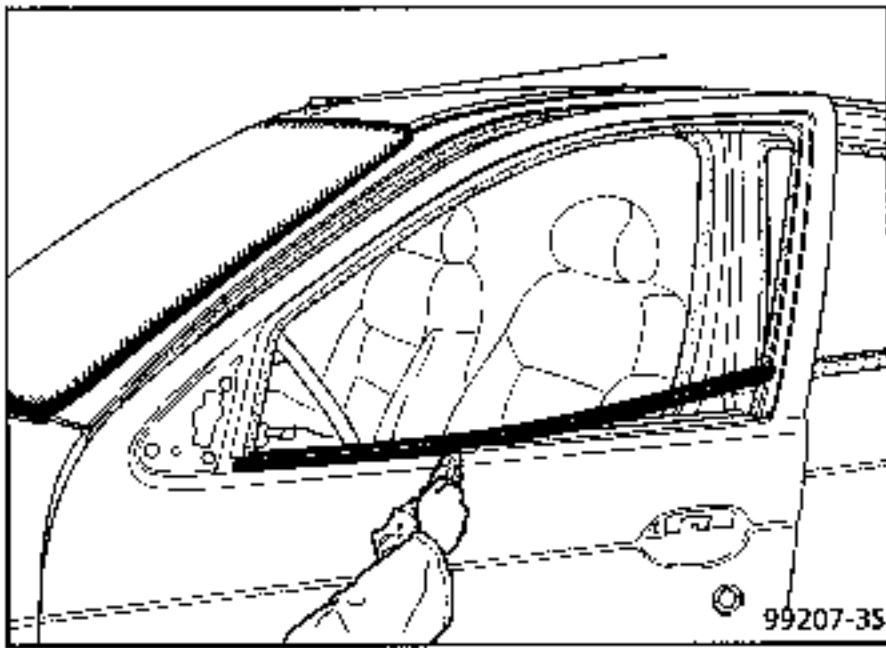


Position and fit the moulded corner without forcing it, with reference to the outside of the vehicle (1).

Fit the remainder of the guide, starting from the moulded corner (2).

Push the interior part of the upper guide to ensure it is fitted correctly.

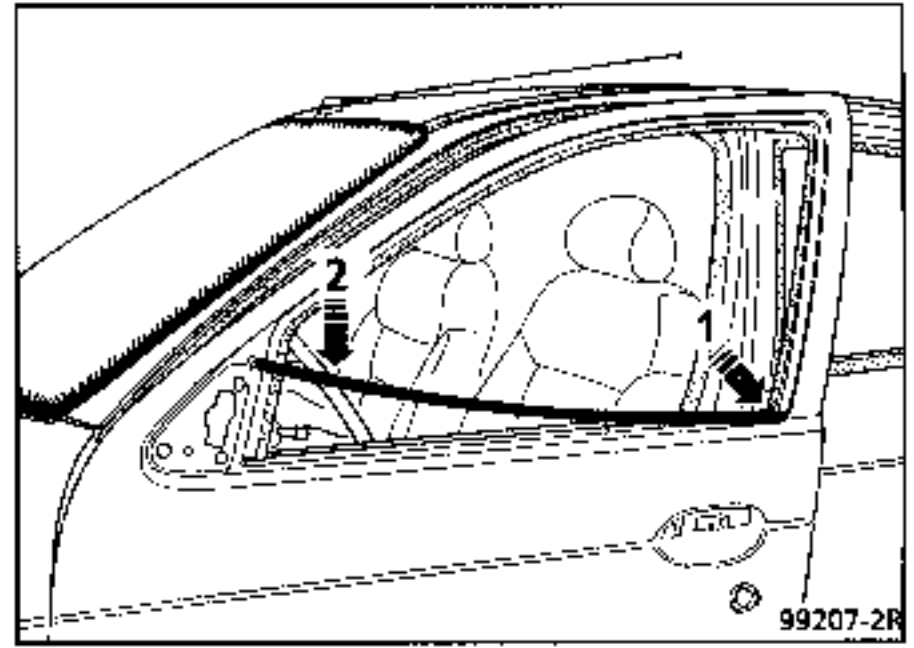
REMOVAL



Remove the exterior rear view mirror (see 56D).
Open the window.

IMPORTANT: the weatherstrip is fragile. Use a very flat chisel, protected with masking tape or a cloth, lifting the weatherstrip at 10 cm intervals. Tool Car. 1363 (see 50 B) may also be used for this operation.

REFITTING



Insert the weatherstrip at the rear of the front door and push it backwards (1).

Lower the weatherstrip towards the front and fit it as you go along its length (2).

Never bend the weatherstrip when refitting as this will damage it.

REMOVAL



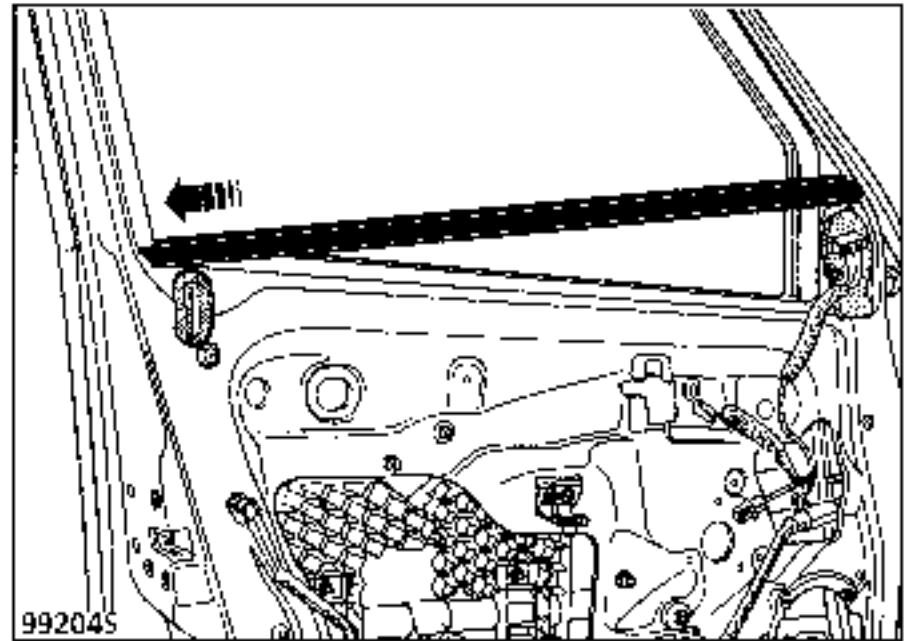
PRG66.2

Remove the front door trim panel (see 72 B).

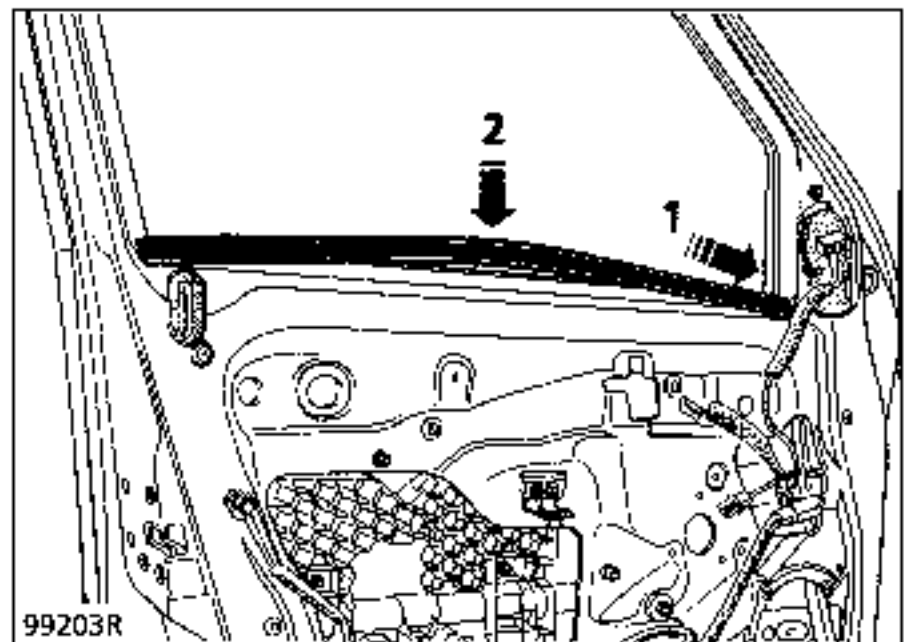
Open the window.

Lift the weatherstrip carefully in the centre and release the two corners to remove it.

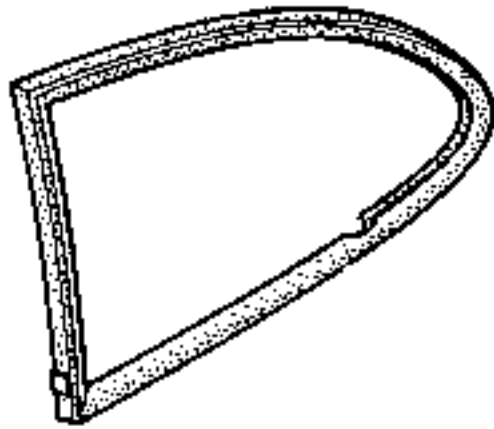
REFITTING



Insert the rear of the weatherstrip in the guide.

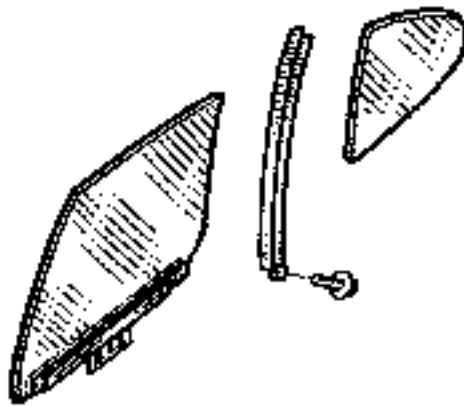


Bend the weatherstrip to insert it at the front (1). Press the centre, bent section of the weatherstrip quickly and sharply to fit it into position (2).



PRG66.3

REMOVAL



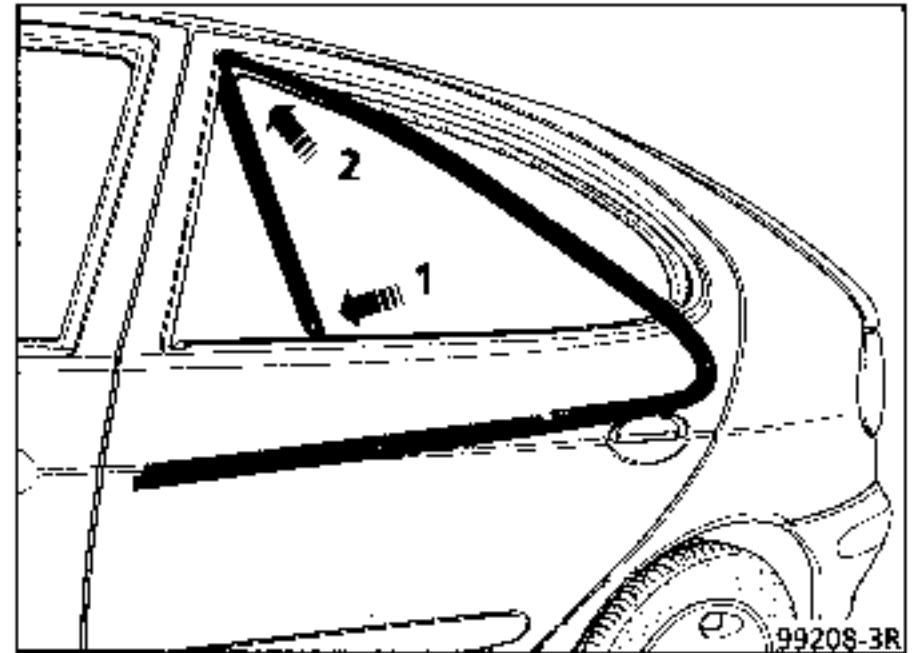
PRG66.4

Remove:

- the sliding window and the fixed pillar (see 54C).
- the fixed window (see 54 D).

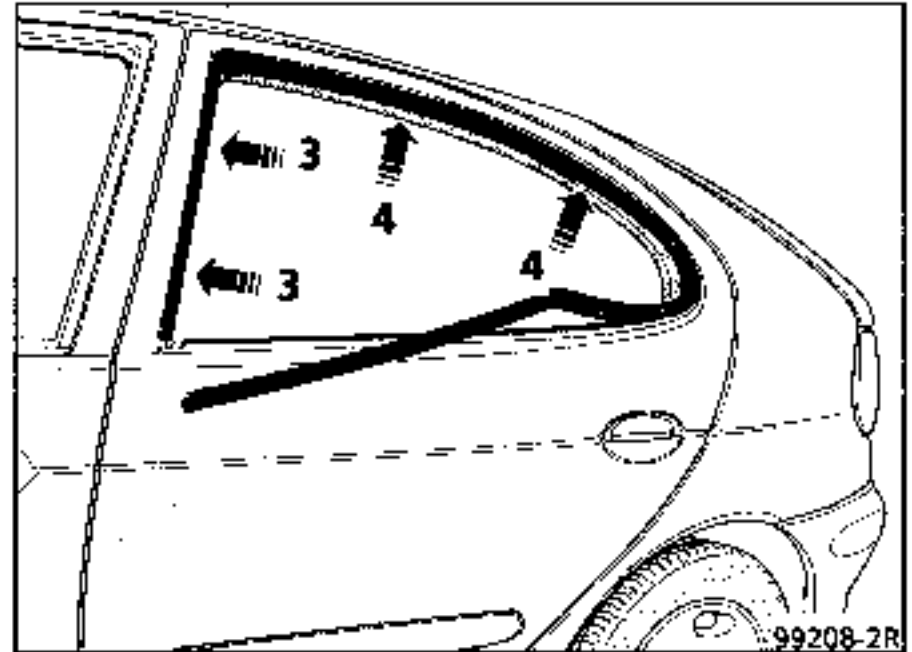
IMPORTANT : the weatherstrip is fragile. Remove the guide using a very flat chisel, protected with masking tape or a cloth, lifting the weatherstrip at 10 cm intervals.
Tool Car. 1363 (see 50 B) may also be used for this operation.

REFITTING



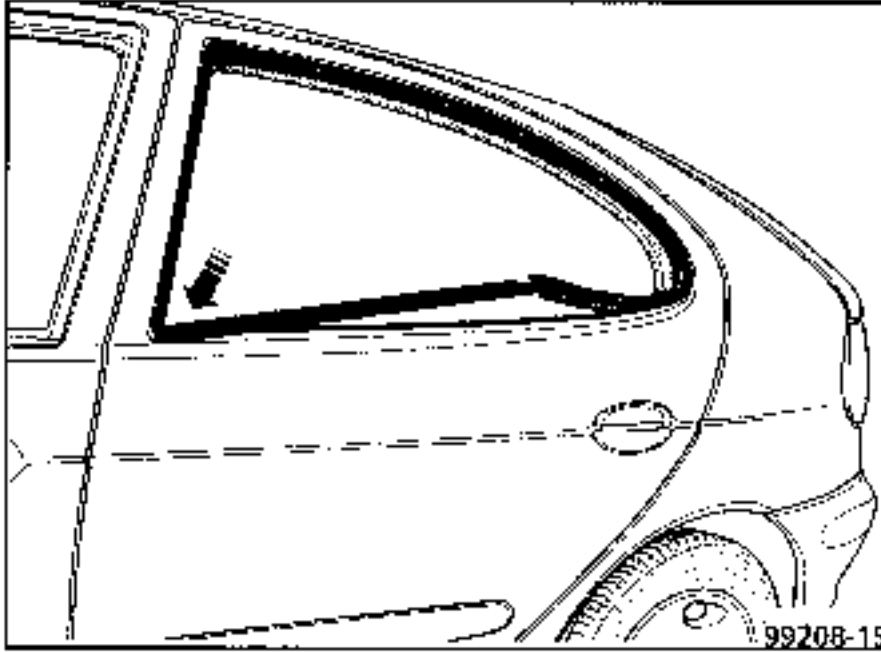
99208-3R

Positing the vertical part in the door section (1). Position and fit the moulded corner without forcing it, with reference to the outside of the vehicle (2).

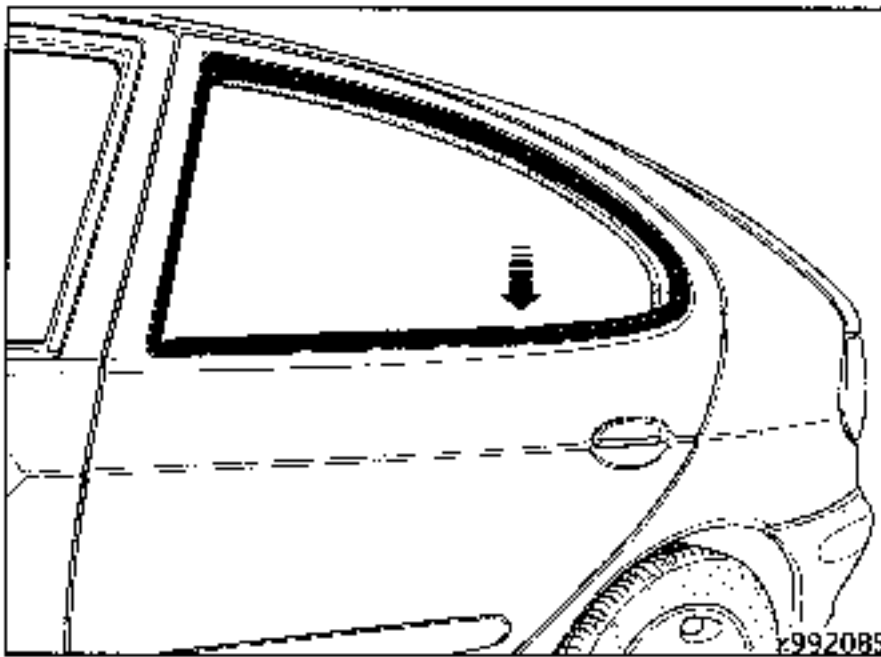


99208-2R

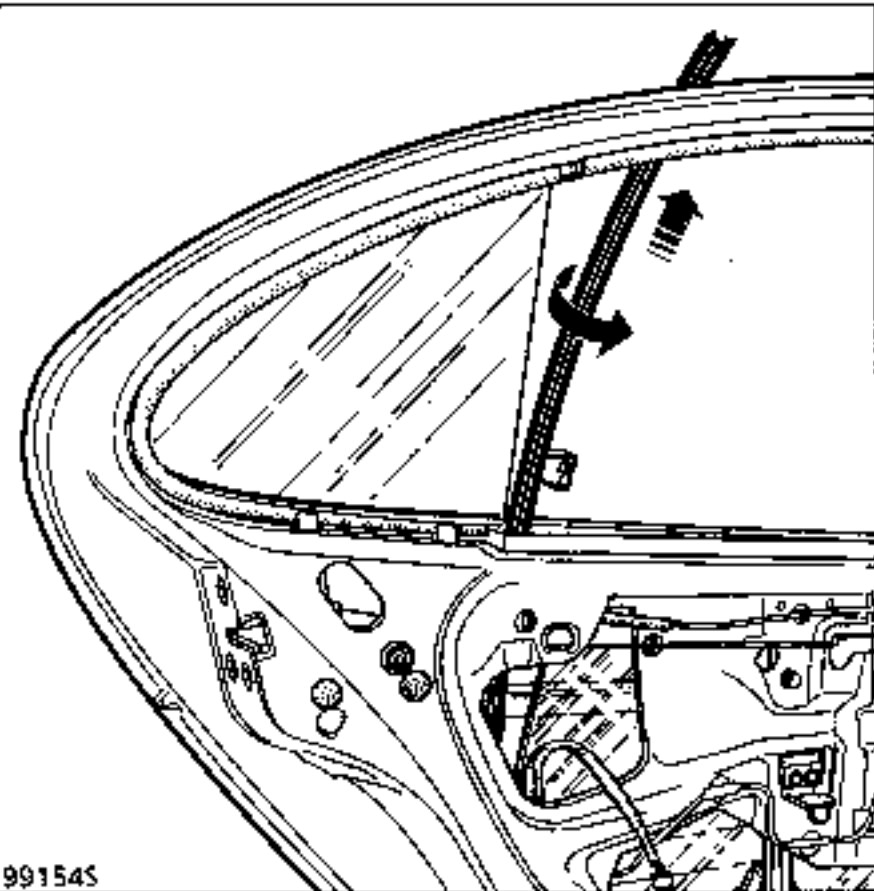
Fit the vertical section (3) as well as the upper section and 2/3 of the fixed window surround (4).



Position and fit the front moulded section of the exterior weatherstrip in the groove.

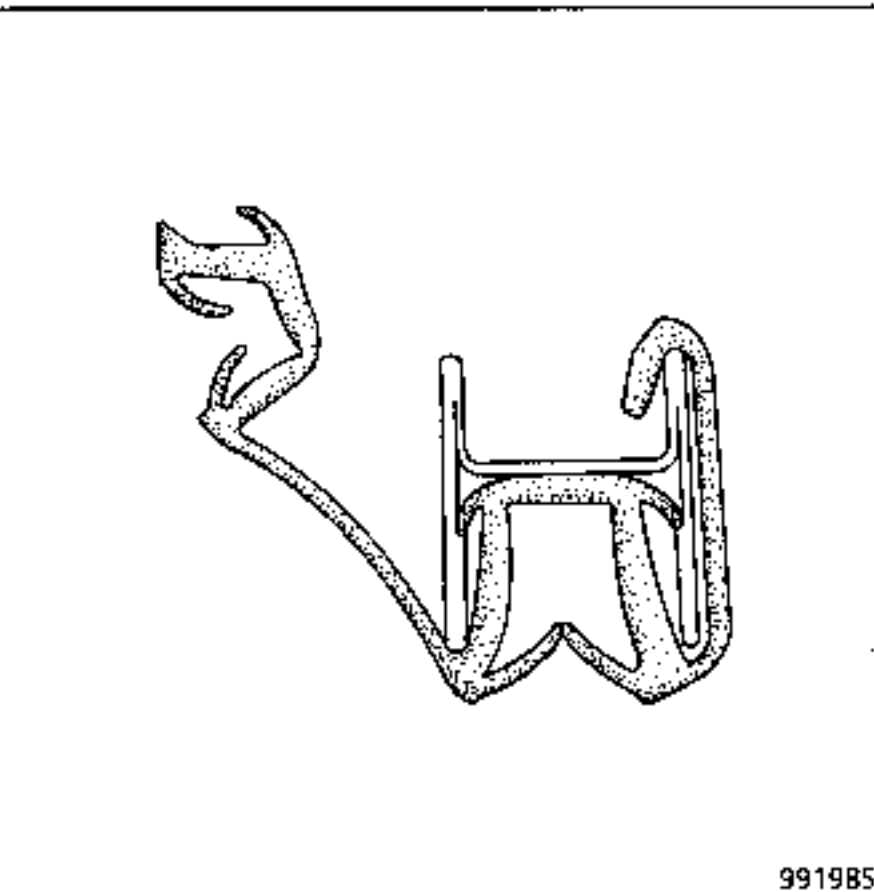


Lower the weatherstrip towards the rear and fit it along its length.
Finish by fitting the fixed window surround.

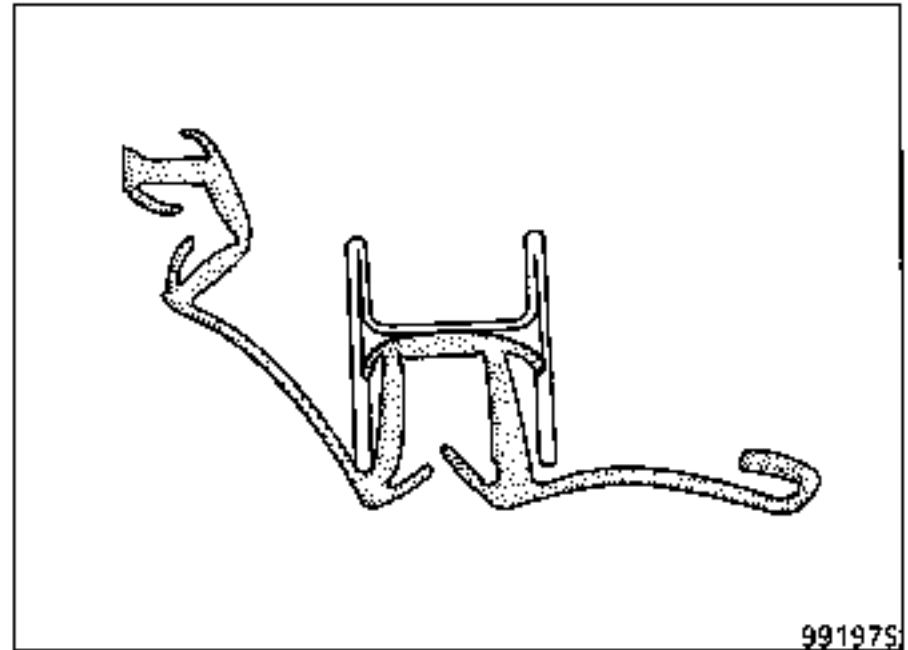


Remove:

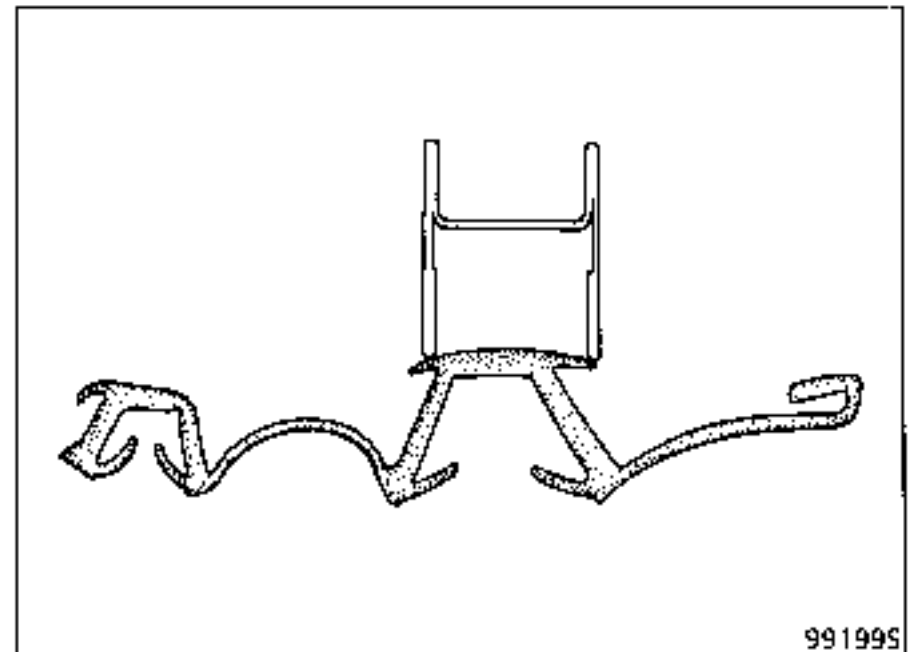
- the window mountings and remove the window at the bottom of the body section (see 54 C).
- the fixed pillar (see 54C).



Release the small U section.

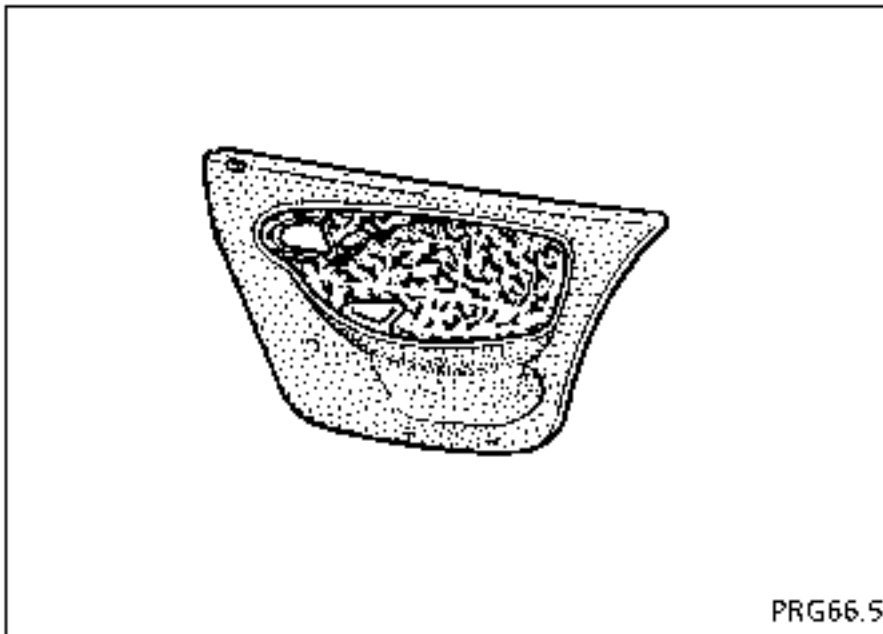


Release the hooked section.



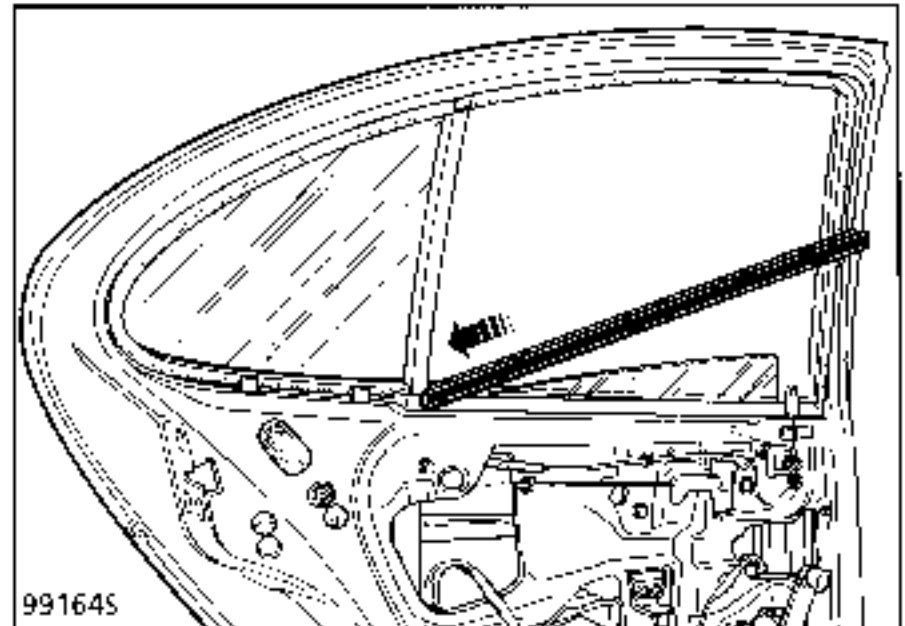
Release the large U section.

REMOVAL

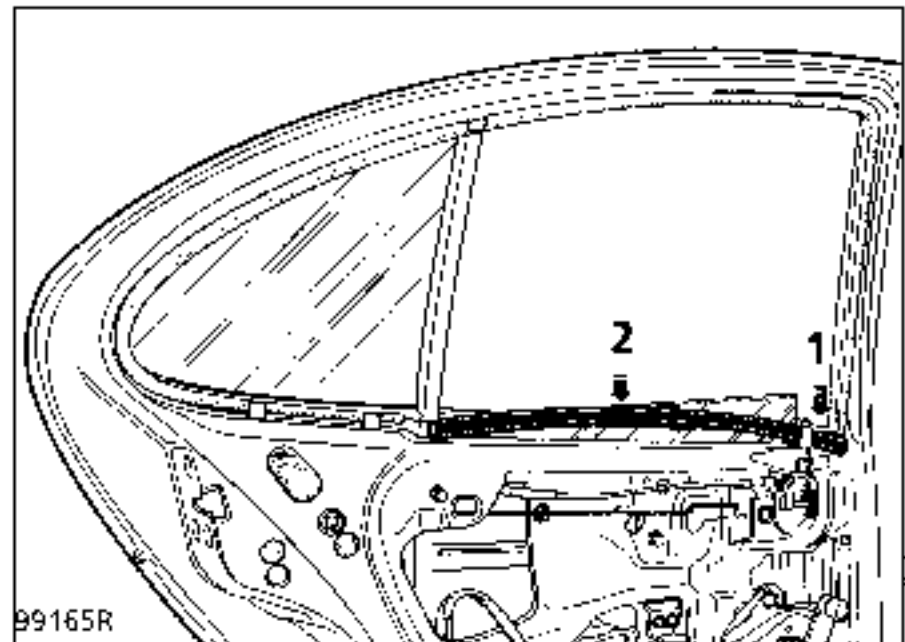


- Remove the rear door trim panel (see 72C).
- Open the sliding window.
- Lift the weatherstrip carefully in the centre.
- Release the corner at the locking button end to remove the weatherstrip.

REFITTING



- Insert the weatherstrip in the fixed pillar guide, taking care to insert the moulded lip correctly so it does not turn over.



- Bend the weatherstrip so it may be inserted at the front (1).
- Press the centre, bent section of the weatherstrip quickly and sharply to fit it into position (2).