

RENAULT SAFRANE

N.T. 403 A

B54X

Basic Manual: M.R. 303

SPECIAL FEATURES OF SAFRANE PHASE II VEHICLES

This Technical Note concerns special BODYWORK features of
SAFRANE Phase II vehicles

77 11 190 485

SEPTEMBER 1996

Edition Anglaise

"The repair methods given by the manufacturer in this document are based on the technical specifications current when it was prepared.

The methods may be modified as a result of changes by the manufacturer in the production of the various component units and accessories from which his vehicles are constructed".

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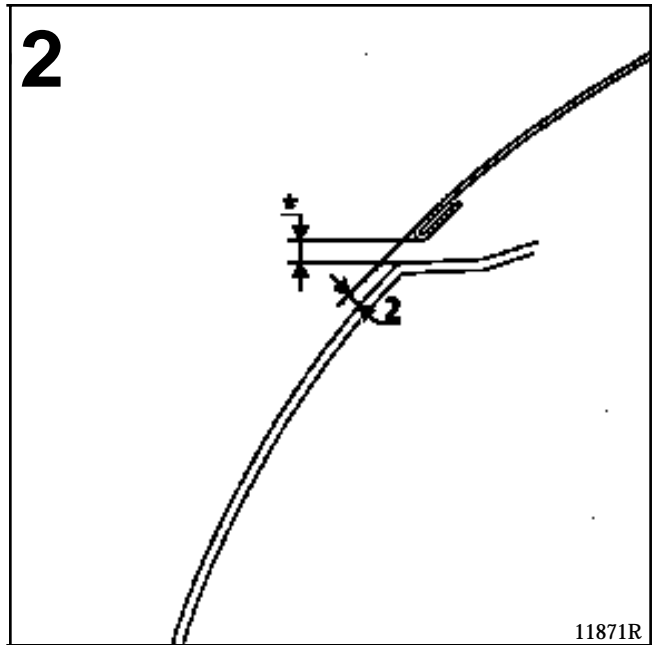
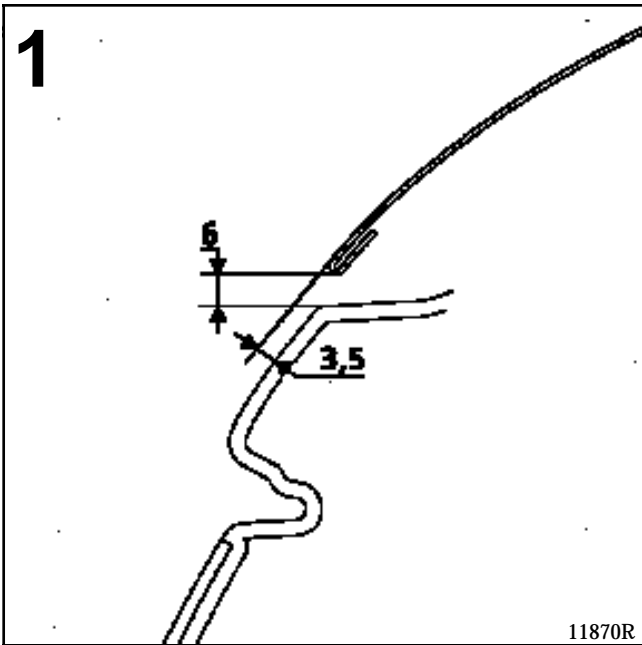
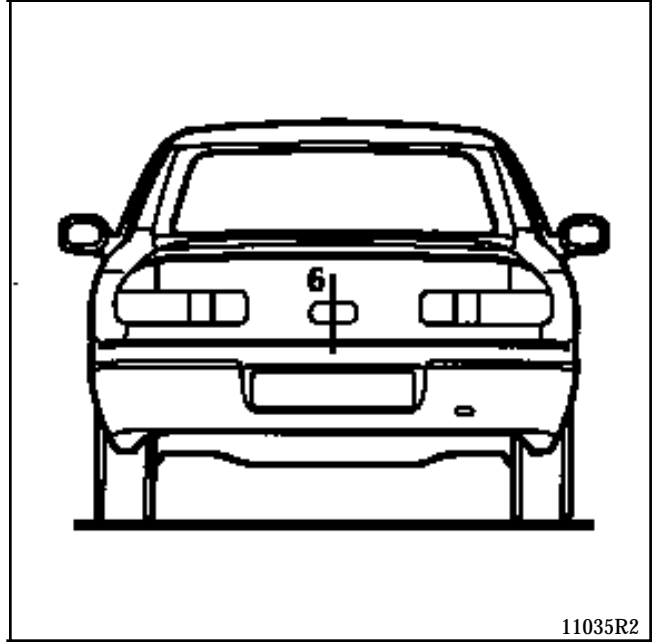
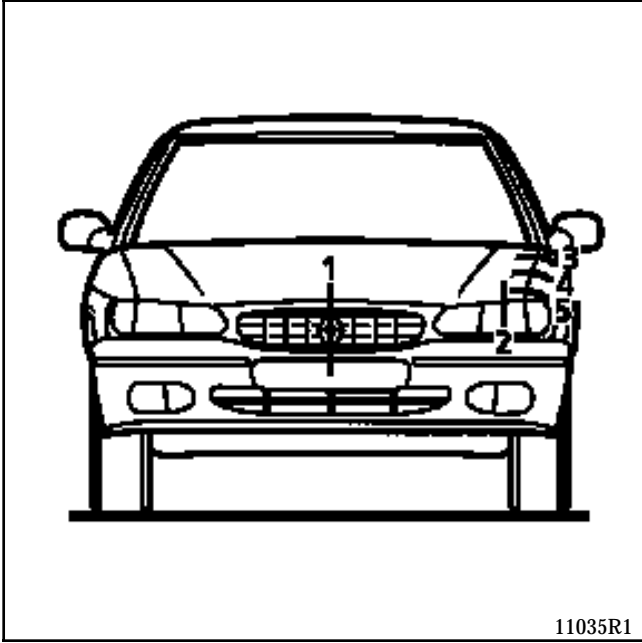
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GENERAL

Opening Clearances

40 A

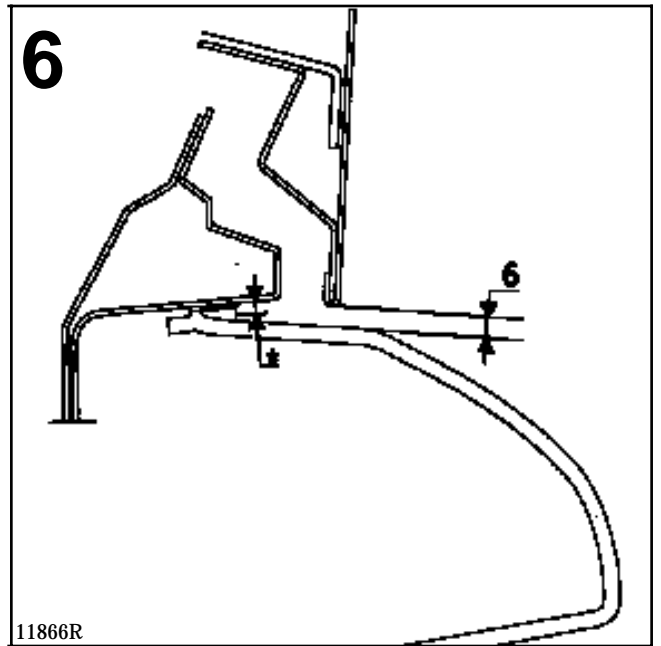
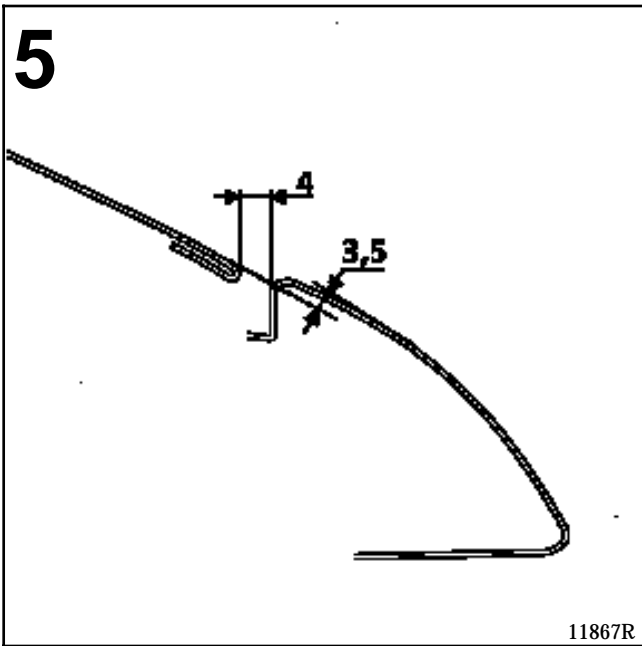
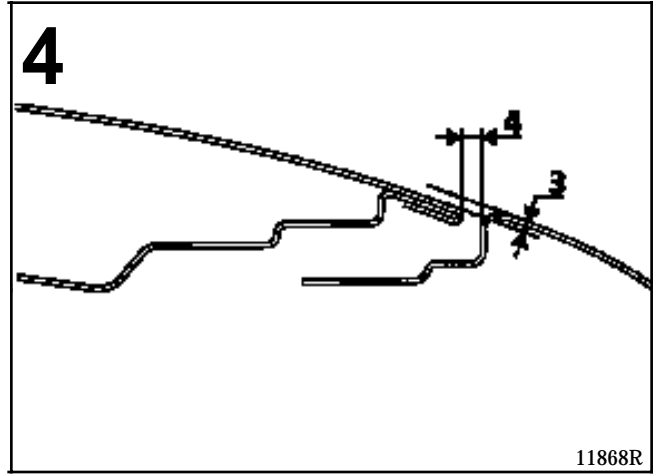
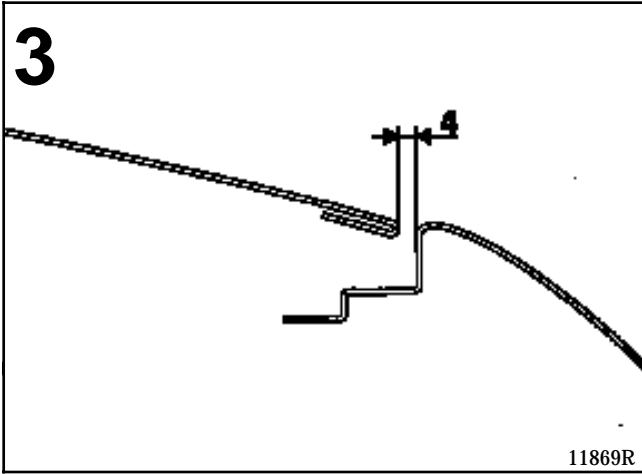


* Maximum gap Left/Right < 2

GENERAL

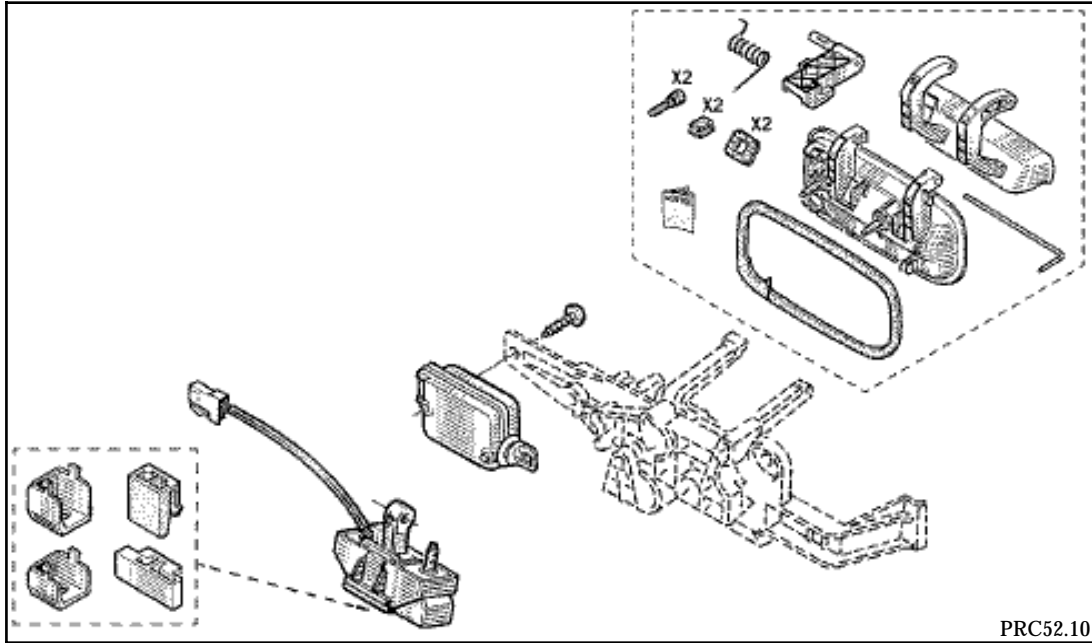
Opening Clearances

40 A



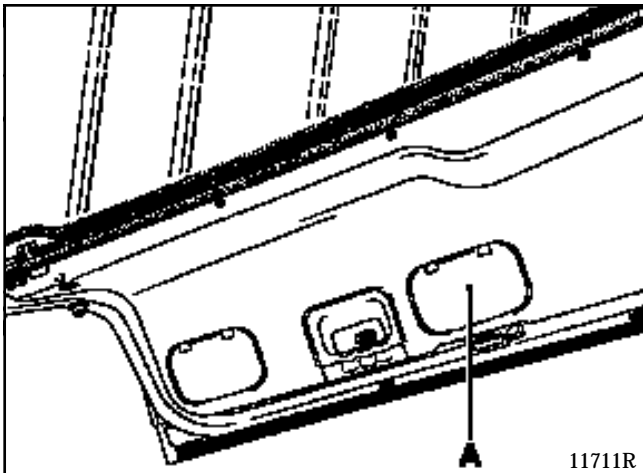
* 3 maximum

Tailgate locking barrel



REMOVING THE LOCK CONTROL PLATE AND THE TAILGATE OPENING HANDLE

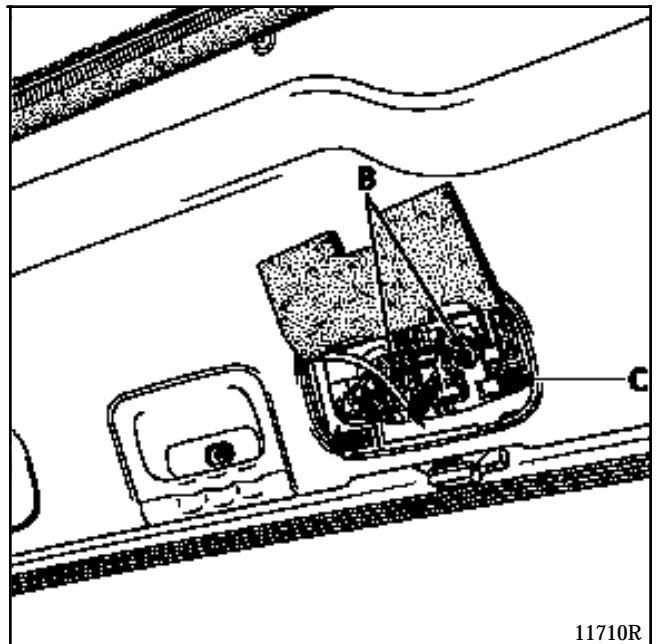
Remove the central inspection flap (A) on the tailgate interior trim.



11711R

Lift the end of the soundproofing foam in order to remove the two nuts (B) securing the external opening handle lock control plate.

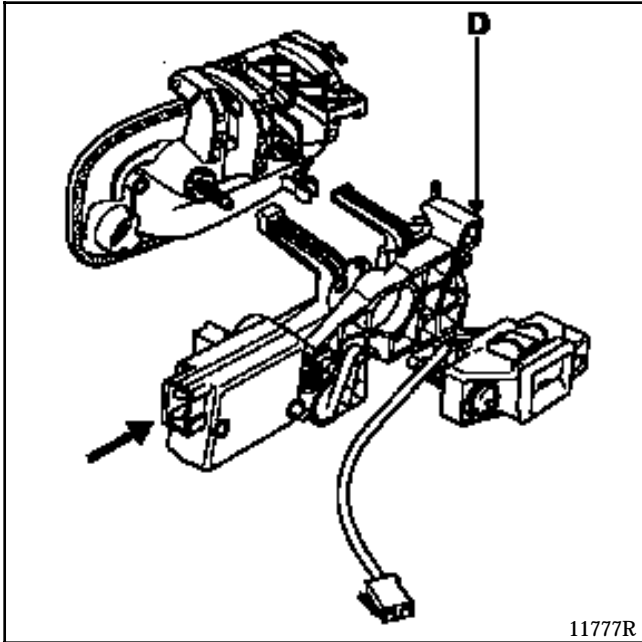
Remove the two retaining clips (C) and release the lock control assembly (D) (see diagram on next page), in order to remove the handle from its location on the tailgate.



11710R

Tailgate locking barrel

Disconnect the door lock motor feed connector and take the lock control plate (D) out through the inspection flap.

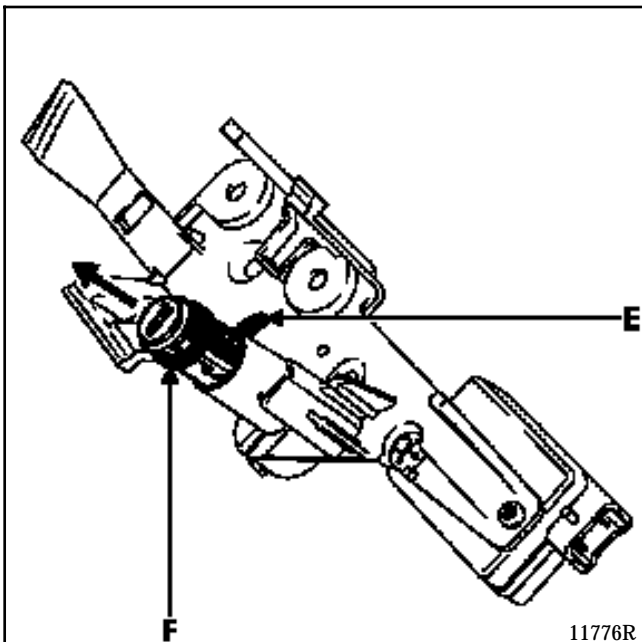


11777R

REMOVING THE TAILGATE LOCKING BARREL AND THE DOOR LOCK MOTOR

After removing the tailgate lock control plate (see previous page), remove pin (E).

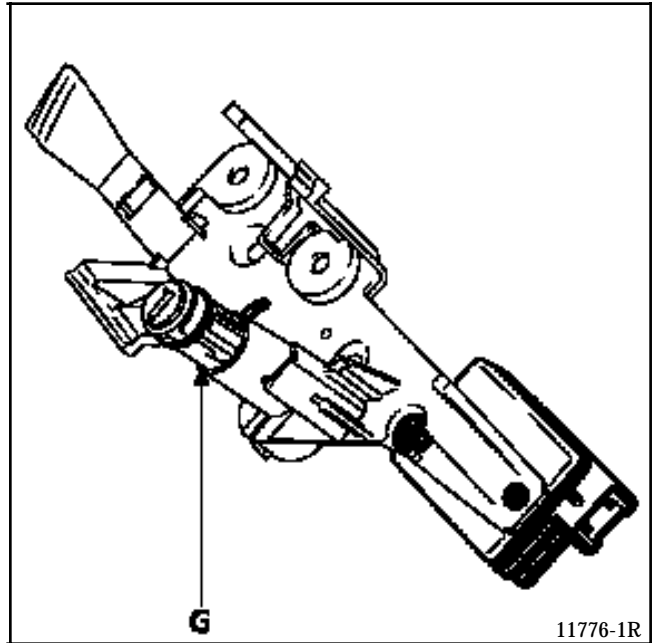
Extract the barrel from its housing by inserting a flat screwdriver into opening (F).



11776R

When refitting the locking barrel to the lock control plate, a location notch (G) ensures the correct positioning of the barrel in its housing.

To remove the motor, remove the mounting nut and its retaining clip.

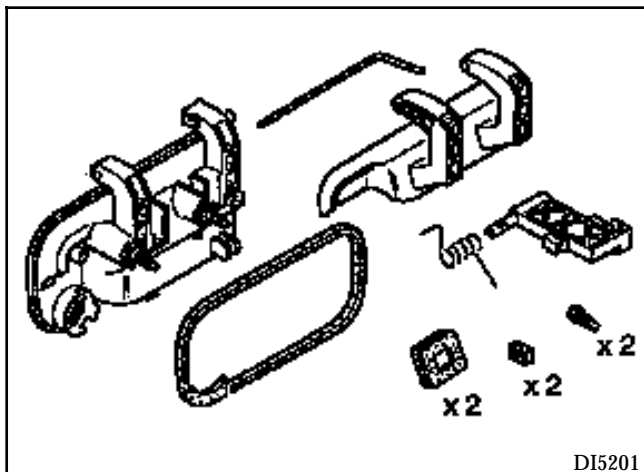


11776-1R

Tailgate locking barrel

TAILGATE OPENING HANDLE

Replacing



DI5201

NOTE: All components mounted on the handle are available in a kit from the Parts Department. The handle is delivered unassembled so that the handle and its support can be painted more easily beforehand to match the vehicle bodywork. Assembly instructions are provided with the kit.

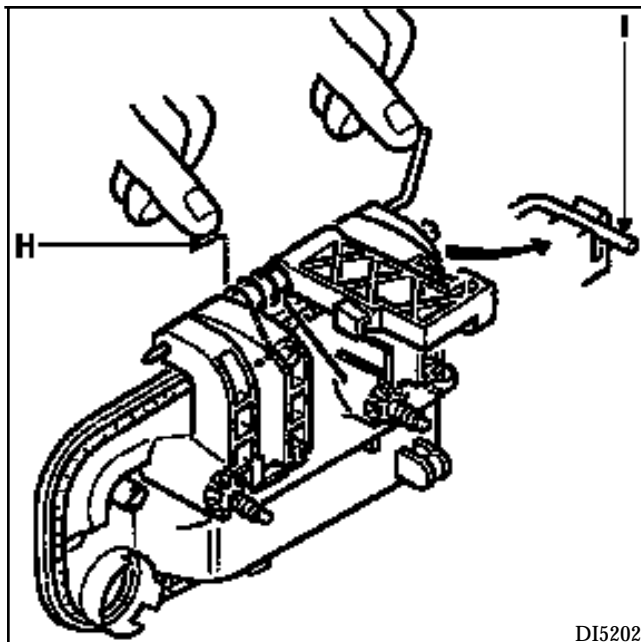
STRIPPING THE HANDLE

NOTE: To paint the handle and its support more easily, it is best to strip the handle as described below.

Remove the lock control plate/tailgate handle assembly as specified in the previous pages.

Using a flat screwdriver, remove the angled lug (H) from the return spring located under the goose neck of the handle arm.

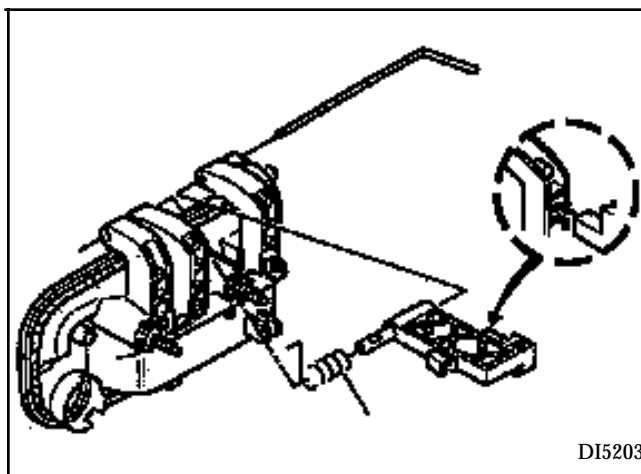
Unclip the angled end of the hinge pin (I) from the handle and remove the pin.



DI5202

Remove the push button lock opening control from its location on the goose neck.

Remove the push button/return spring assembly.



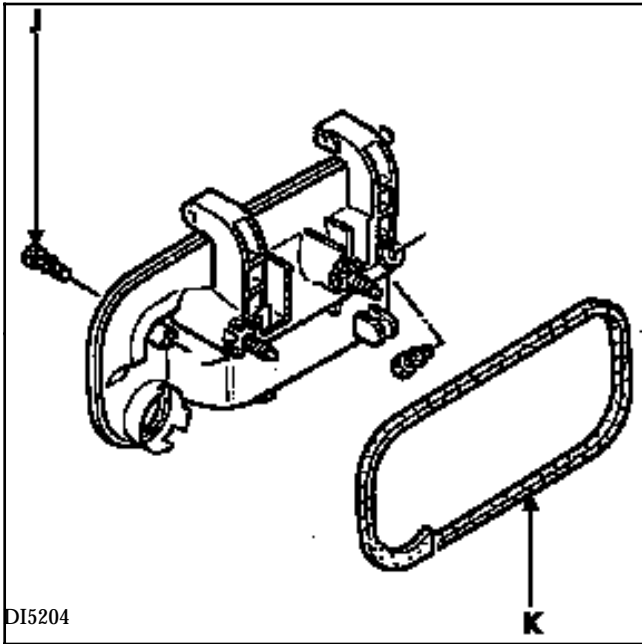
DI5203

Tailgate locking barrel

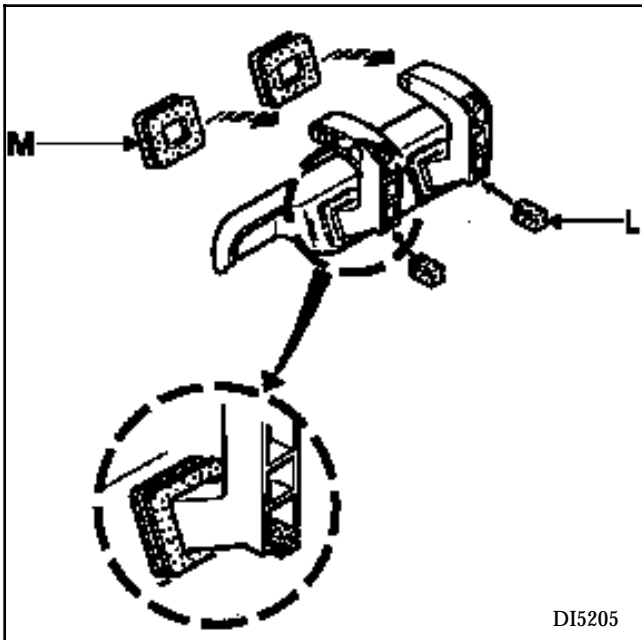
Remove the anti-noise stops (J) from the unit.

Remove the watertight seal (K).

This seal is available from the Parts Department and can therefore be replaced if it is damaged when removed.



Remove the handle opening stops (L) and the watertight seals (M) mounted on each handle arm.



REASSEMBLING THE HANDLE

To reassemble the handle, proceed in reverse order to the instructions given for stripping the handle.

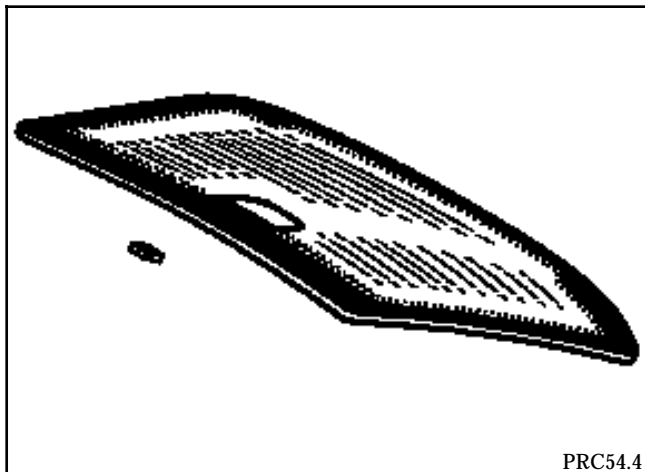
Refitting the watertight seal (K)

Pull back the protective backing from the adhesive strip by a few millimetres, in order to be able to remove it completely later on.

Position the seal in its housing on the unit.

Remove the protective backing slowly as the joint adheres (start at the lock housing).

Check that the entire length of the seal is correctly stuck down in its housing before refitting the assembly.



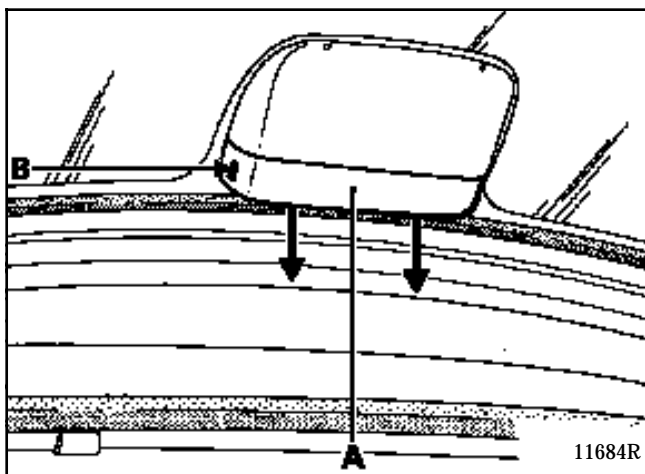
PRC54.4

NOTE: The centre stop light is mounted on the rear screen of the vehicle.

The wiring harness for the stop light is embedded in the screen moulding.

REMOVING THE EYE LEVEL CENTRE STOP LIGHT

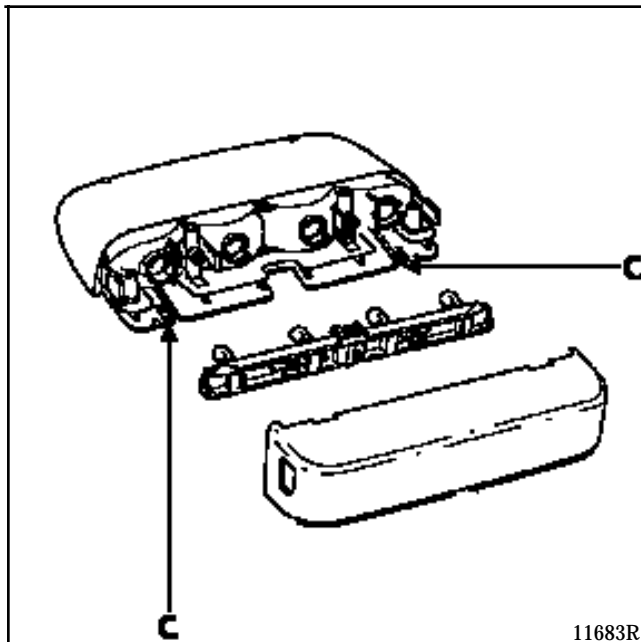
With the tailgate raised, unclip cover (A) by pressing on the two lugs (B) then release it by sliding it in the direction of the arrows below.



11684R

To remove the stop light, press on the two tabs (C) and slide the assembly towards the rear of the vehicle.

Remove the feed connector.

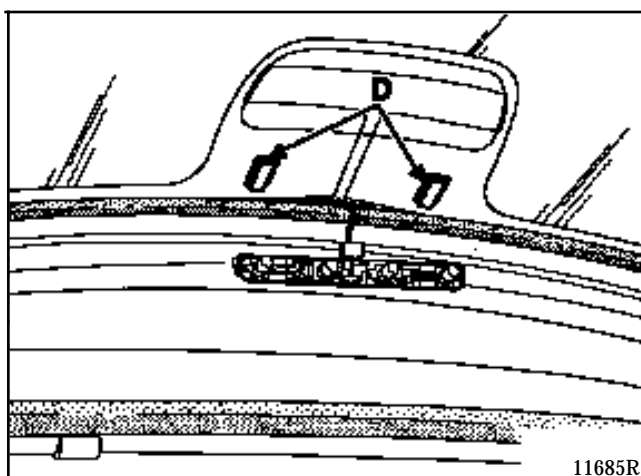


11683R

REFITTING

Slide the stop light over the guides (D) mounted on the rear screen.

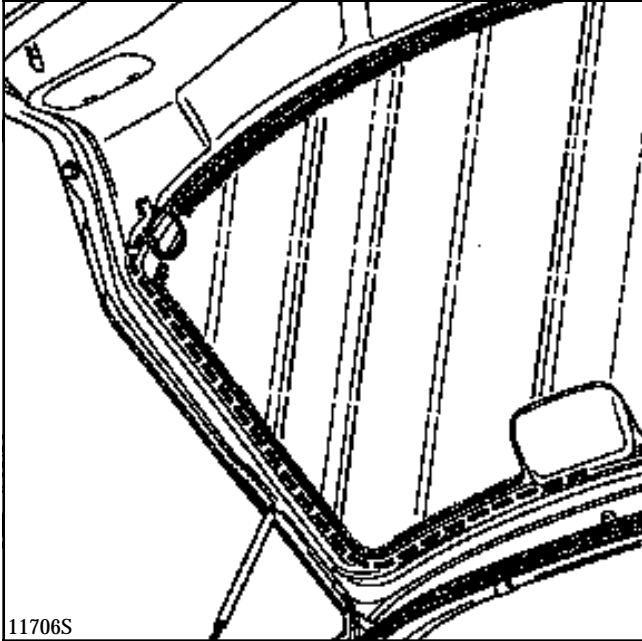
To refit, proceed in reverse order to removal.



11685R

REMOVING THE SCREEN

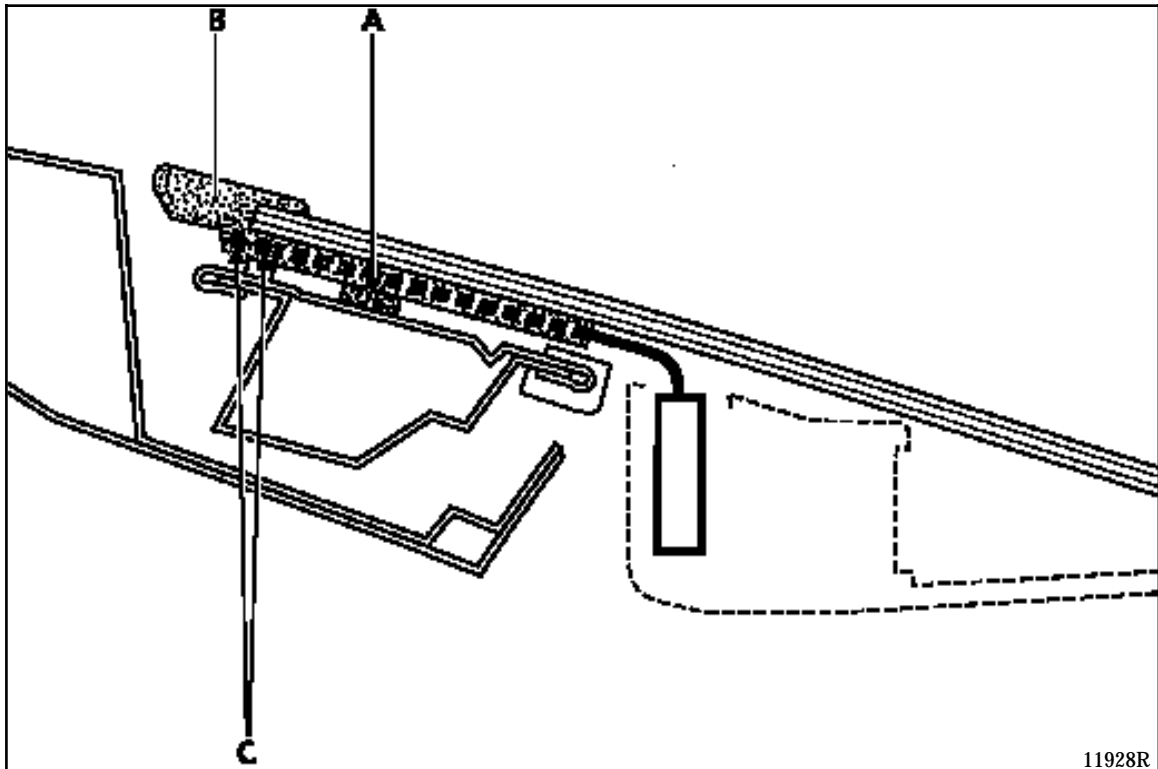
After removing the third centre stop light, remove the interior seal and disconnect the heated rear screen element.



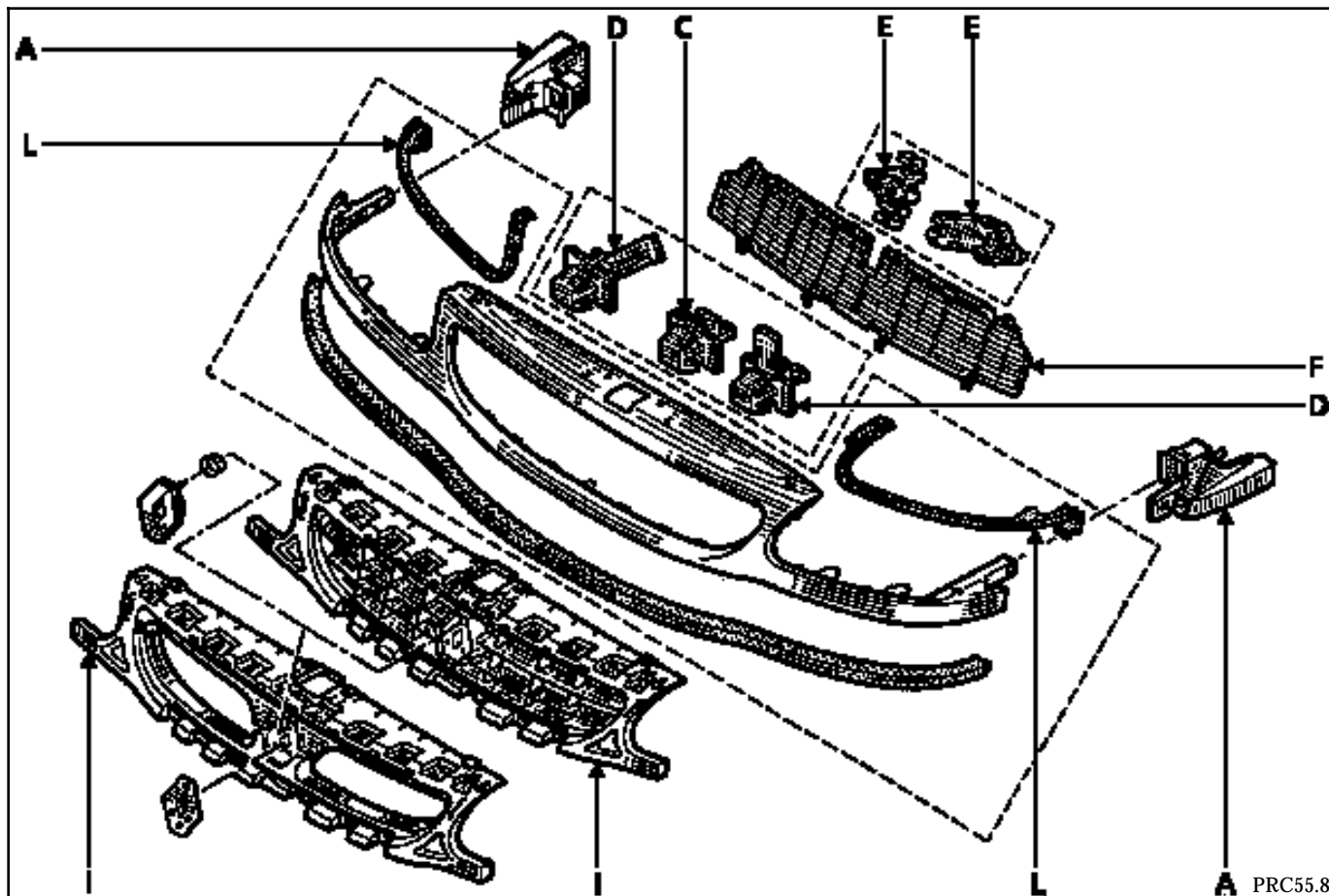
Cutting the screen.

So that the screen can be reused, great care must be taken when cutting the bead of PU adhesive so that it is cut as close as possible to the panel so as not to damage the moulding carrying the stop light feed wiring.

The screen is bonded by following the method for bonding glass (see Technical Note N° 371A).



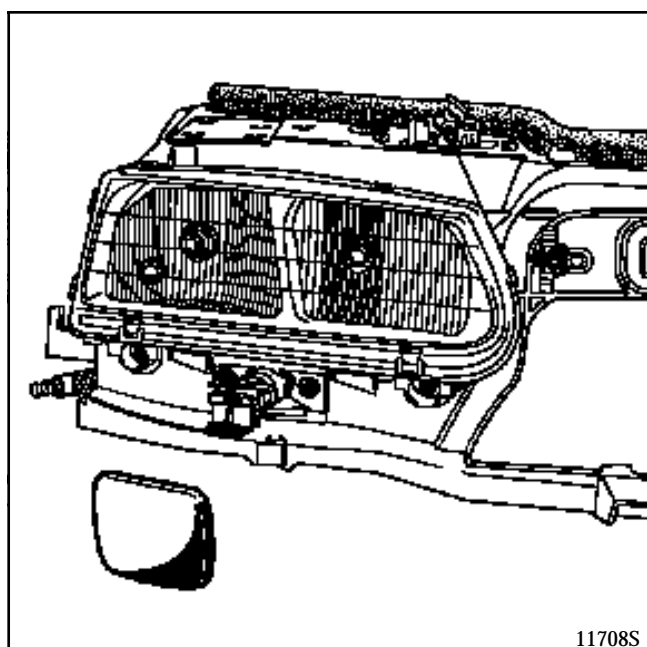
When cutting a wire, cut the adhesive beading (A) taking care that the wire is parallel to the edge of the screen. Following this advice will prevent damage to the moulding (B) and more particularly, damage to the routing of the feed wires (C).



PRC55.8

REMOVING THE GRILLE

If the vehicle is fitted with headlamp washer jets, unclip both washer jet covers.

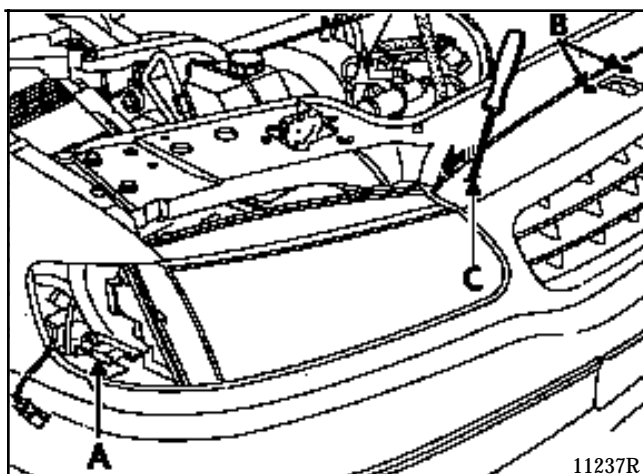


11708S

Remove:

- both indicator lights so as to gain access to the side supporting clips (A),
- both upper mounting screws (B).

Using a flat screwdriver, slide the supporting clips (C) in the direction of the arrows marked on the grille.

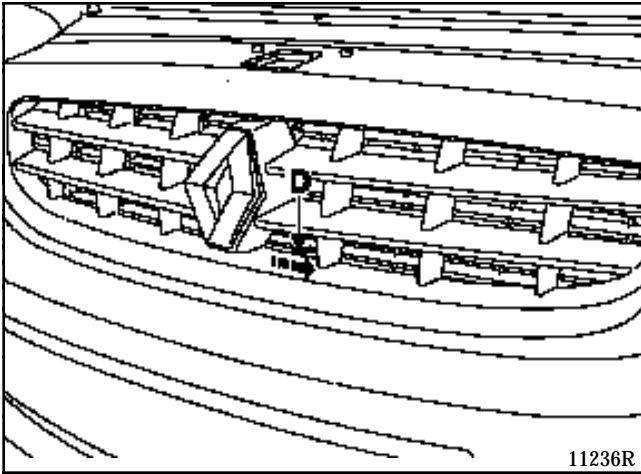


11237R

EXTERNAL PROTECTION Grille

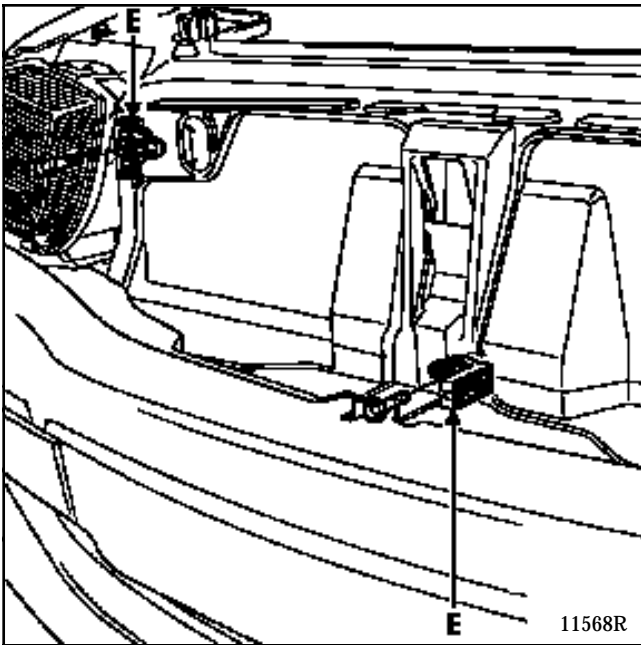
55 A

Using a flat screwdriver, slide lug (D) from the centre to the right.

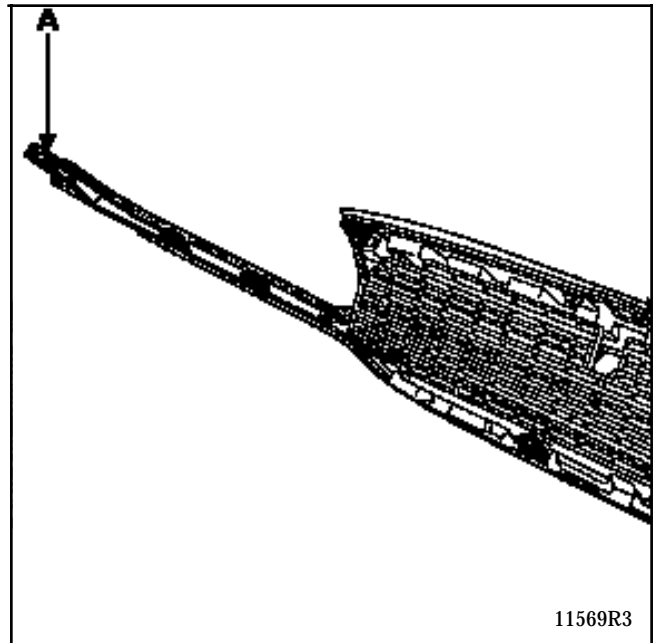


NOTE: Sliding clips (C) and (D) are located in the clips (E) mounted on the grille trim.

All clips are available from the Parts Department.

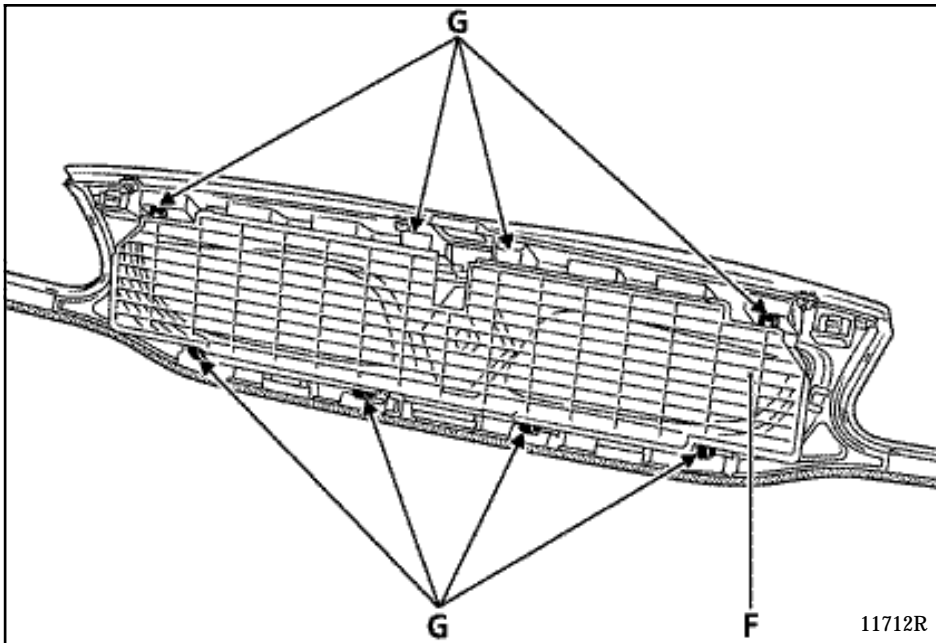


Remove the clip-in lugs (A) and release the lower support lugs located under the headlamp units.



STRIPPING THE GRILLE

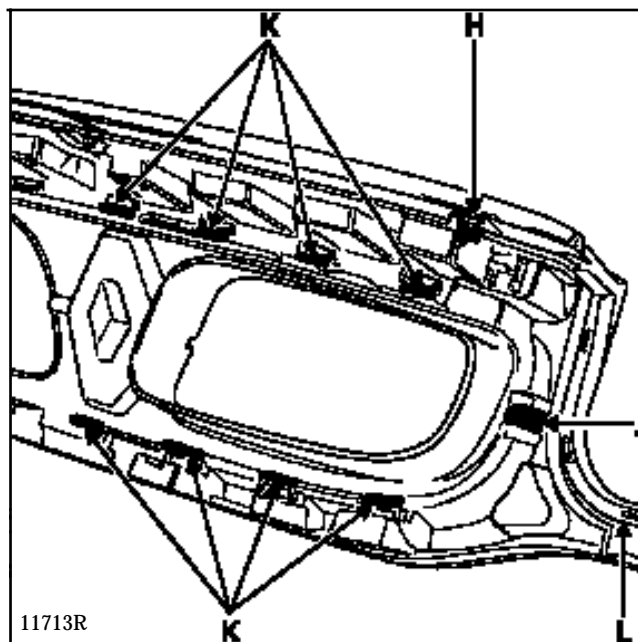
Remove the grille (F) by removing the supporting lugs (G).



Remove the two side mounting screws (H).

Unclip the centre section of the grille (I) at (J) and release lugs (K).

Remove the centre section in the same way as the watertight seals (L).



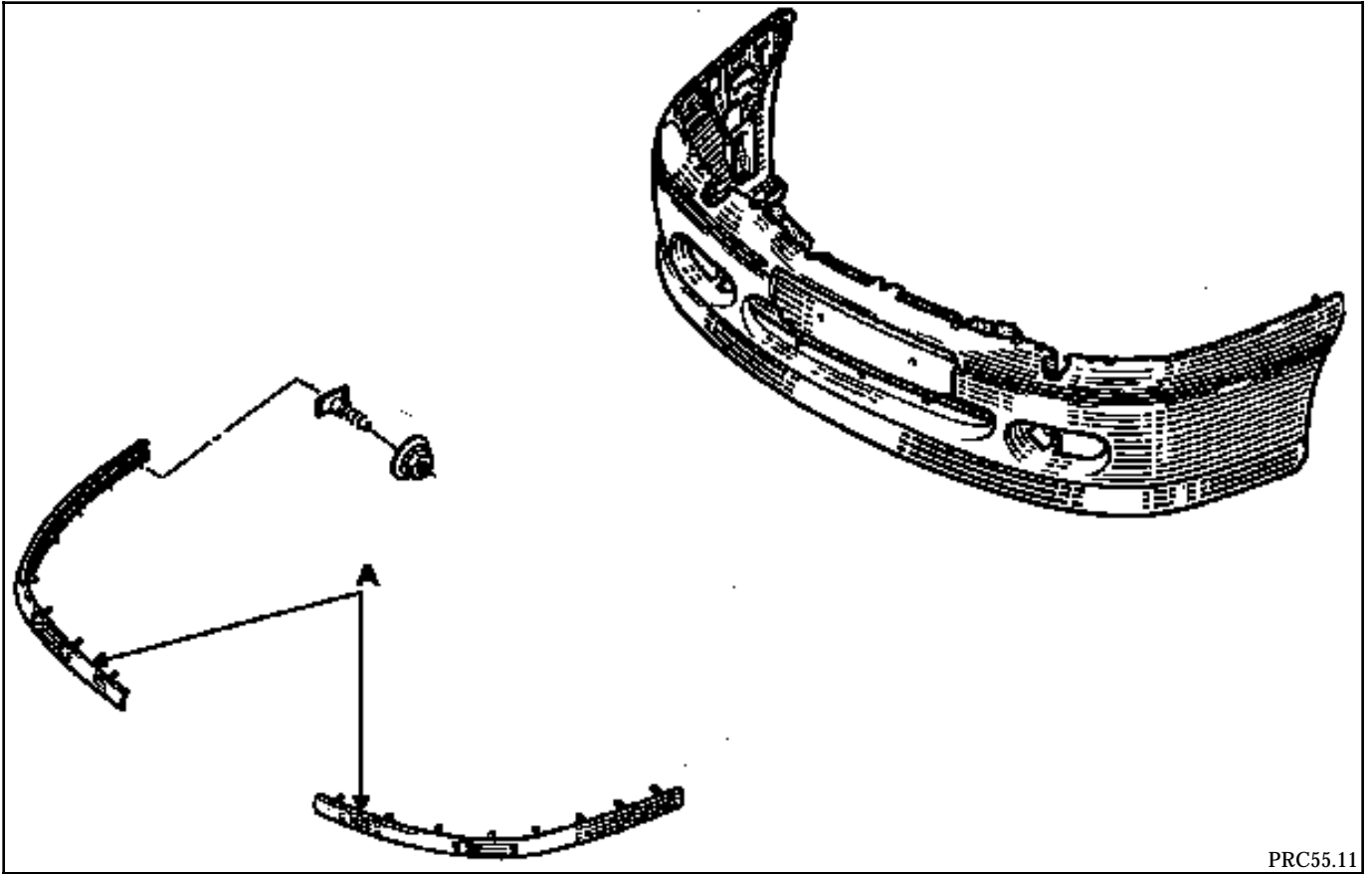
EXTERNAL PROTECTION

Front bumper side trim

55 B

REMOVING THE TRIM FROM THE FRONT BUMPER

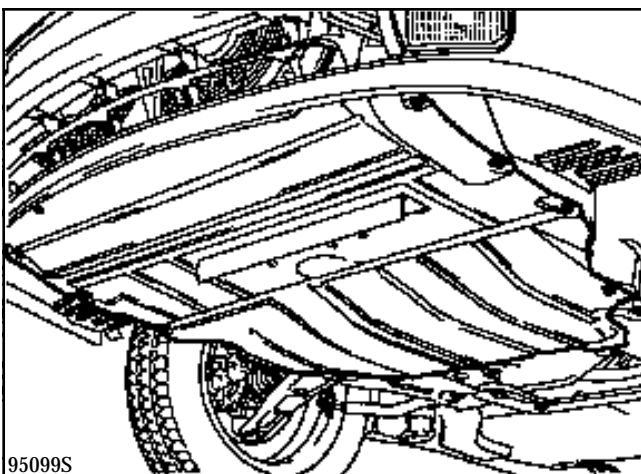
The side trims (A) are available from the Parts Department.



PRC55.11

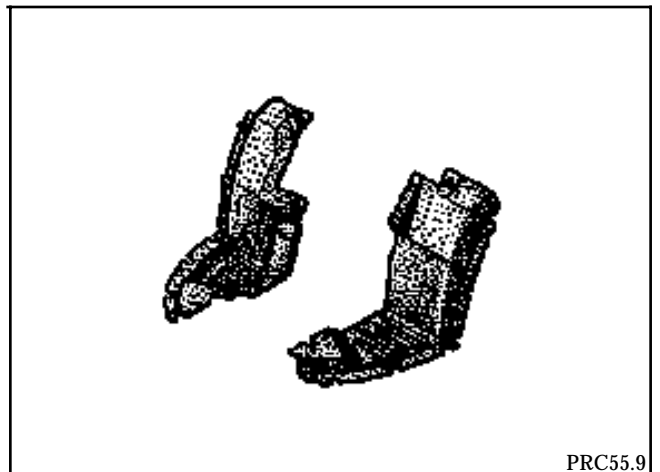
REMOVING THE BUMPER

Remove the protective housing.



95099S

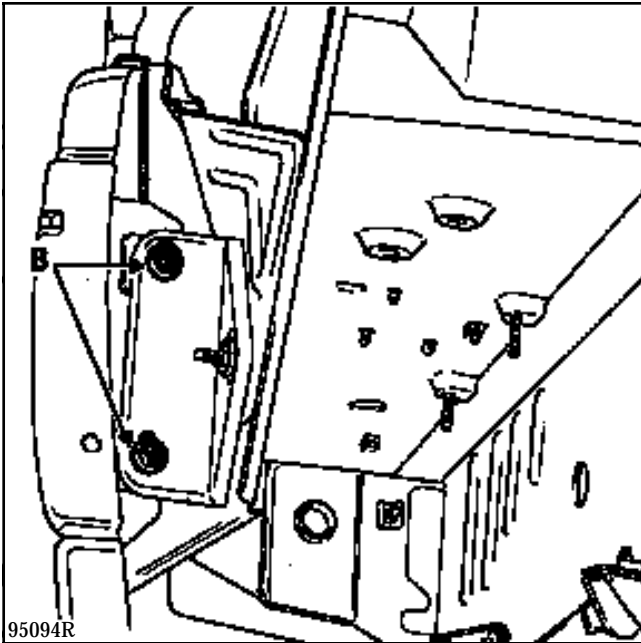
Remove the plastic interior mouldings from the left and righthand wheel arches.



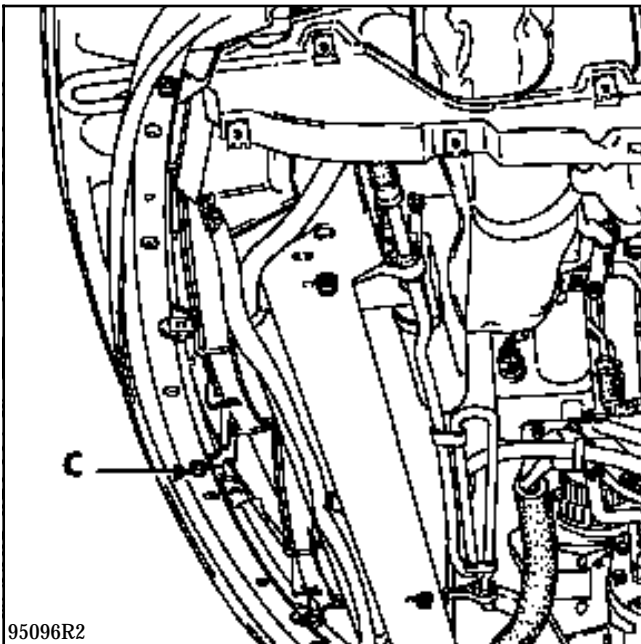
PRC55.9

Front bumper side trim

Remove the two mounting bolts (B) from each side of the vehicle. Remove the lower mounting bolt (C), then remove the front bumper.

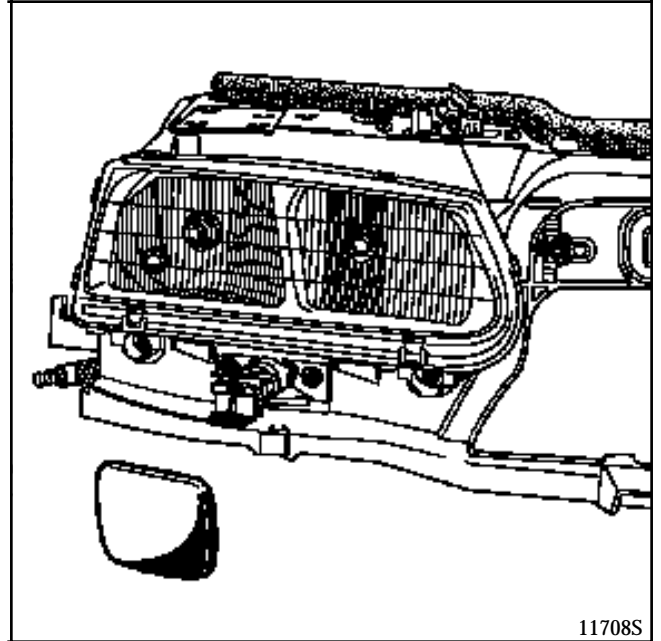


95094R



95096R2

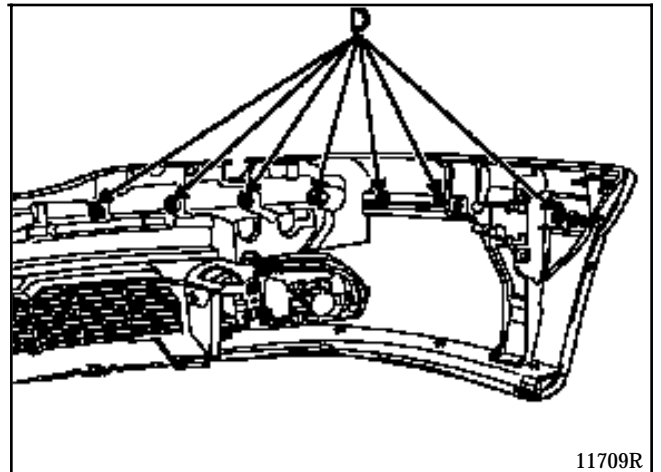
If the vehicle is fitted with headlamp washer jets, unclip the two washer jet covers.



11708S

REMOVING THE TRIM

Remove the plastic mounting nuts (D) which secure the trim to the bumper.



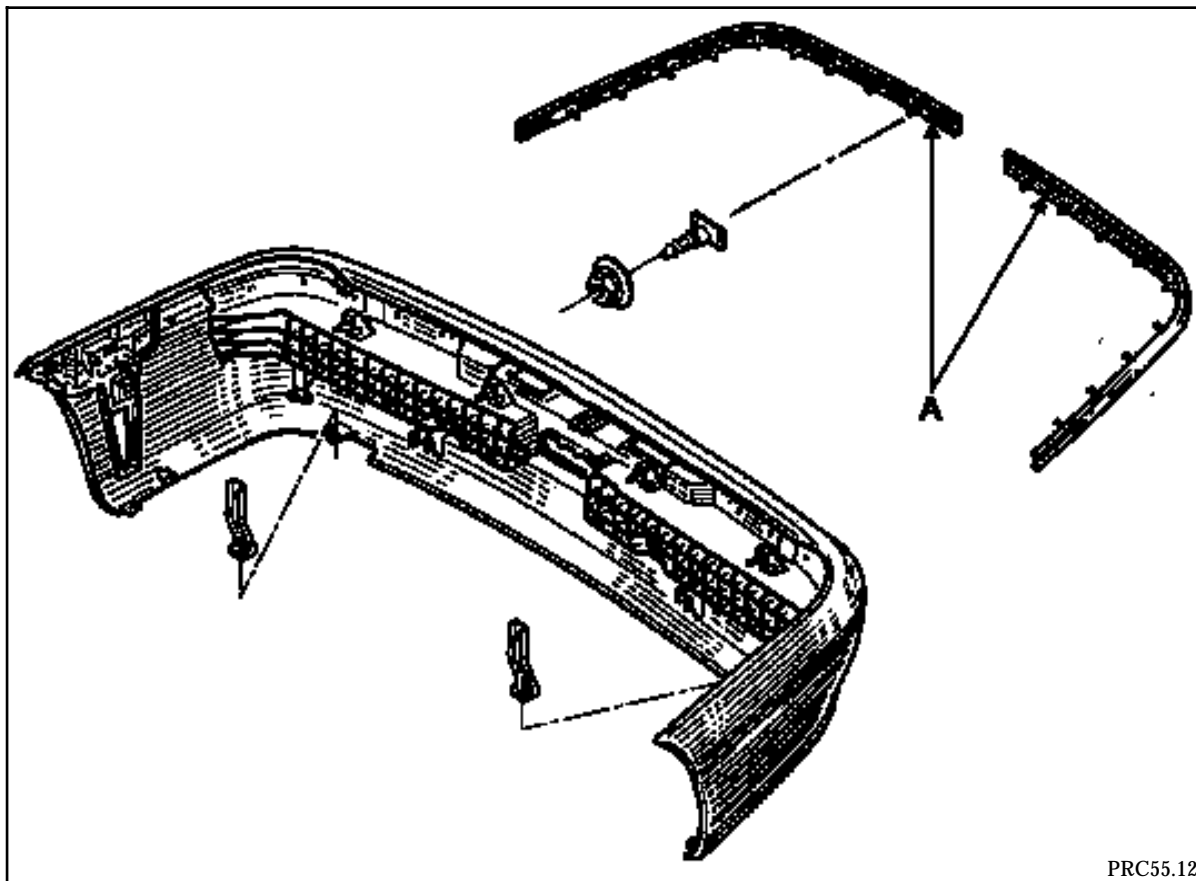
11709R

IMPORTANT: When refitting, do not overtighten the mounting nuts as excessive force will result in damage to the mounting (> 0.25 N.m) .

Rear bumper side trim

REMOVING THE TRIM FROM THE REAR BUMPER

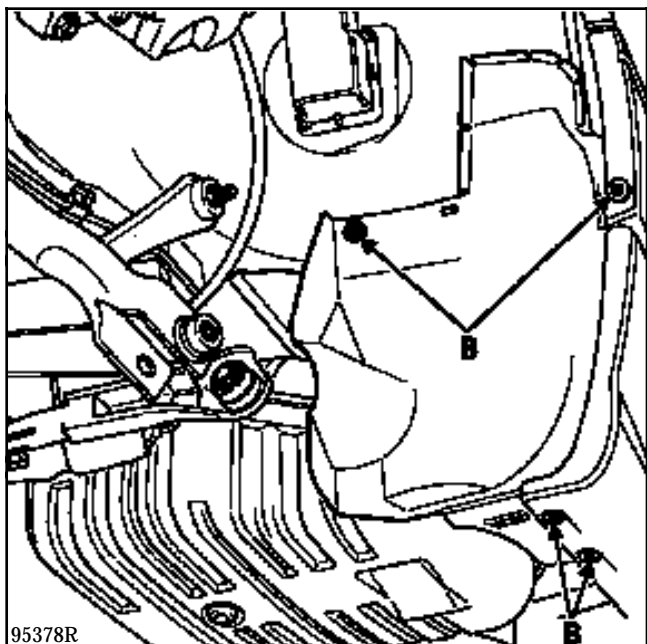
The side trims (A) are available from the Parts Department.



PRC55.12

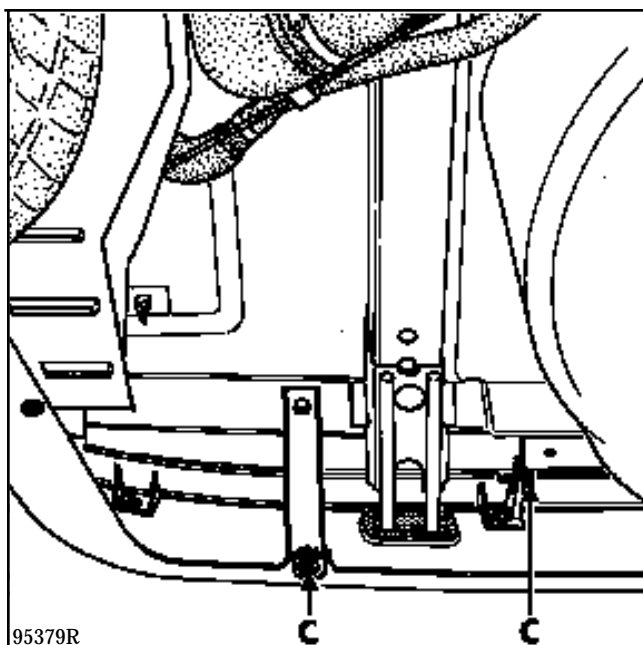
REMOVING THE BUMPER

Remove clips (B) from the interior plastic mouldings in the left and righthand wheel arches.



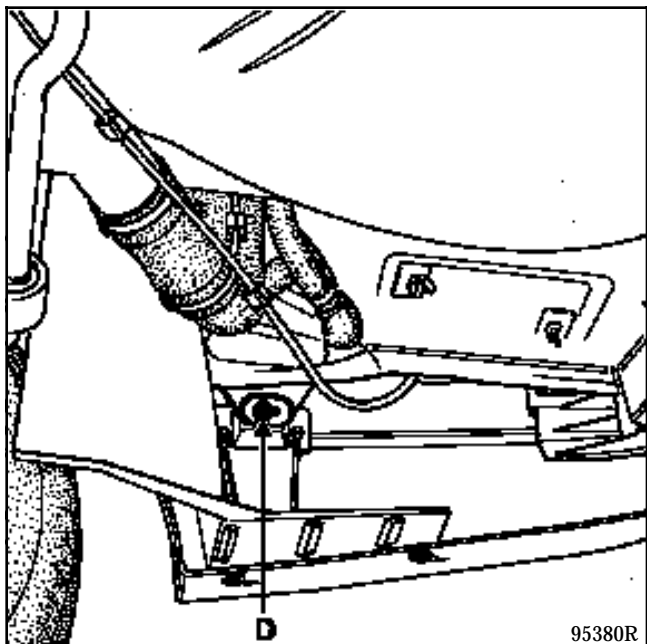
95378R

Remove the lower mountings (C).



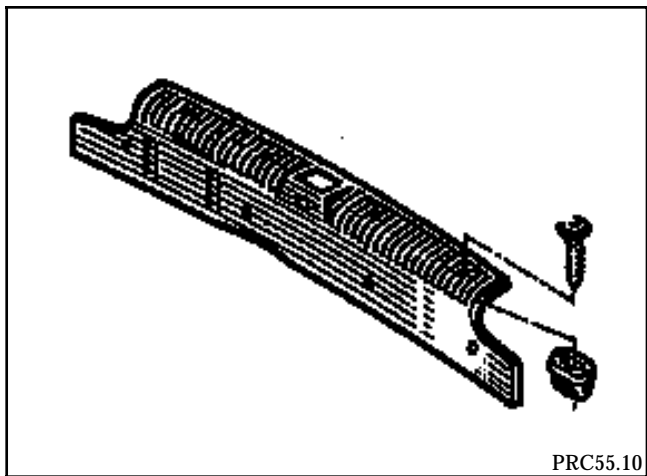
95379R

Remove the side clips (D).



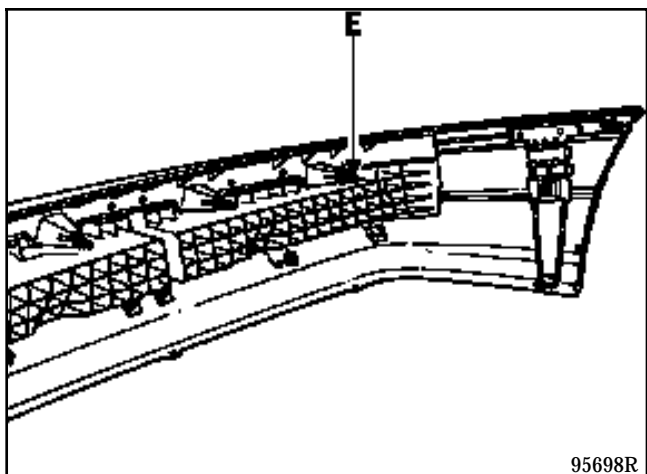
95380R

Remove the rear end panel interior trim.



PRC55.10

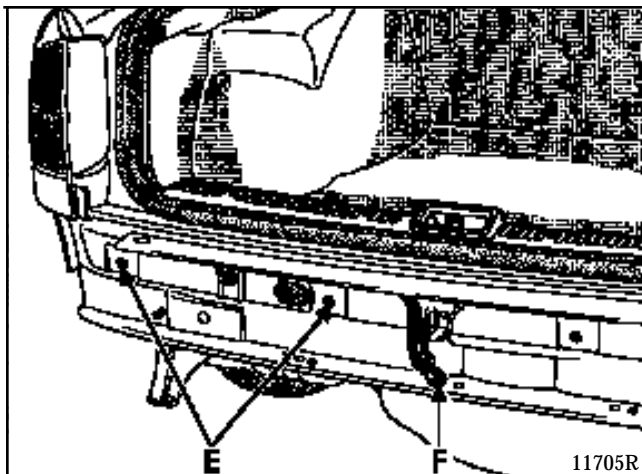
Remove the four rear end panel securing clips (E).



95698R

Disconnect the number plate lighting connector (F).

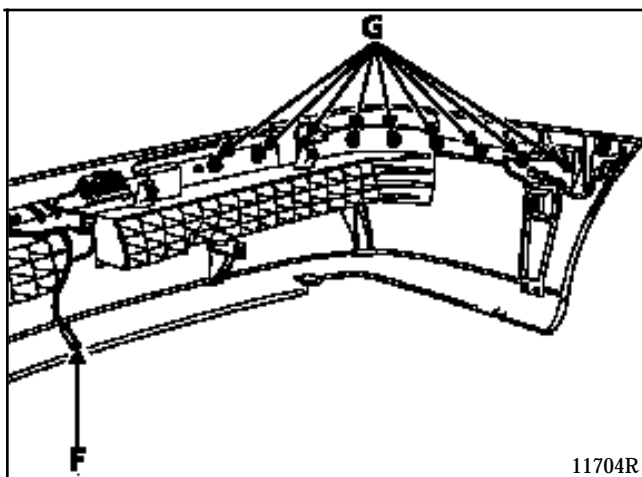
Remove the bumper by pulling it towards the rear.



11705R

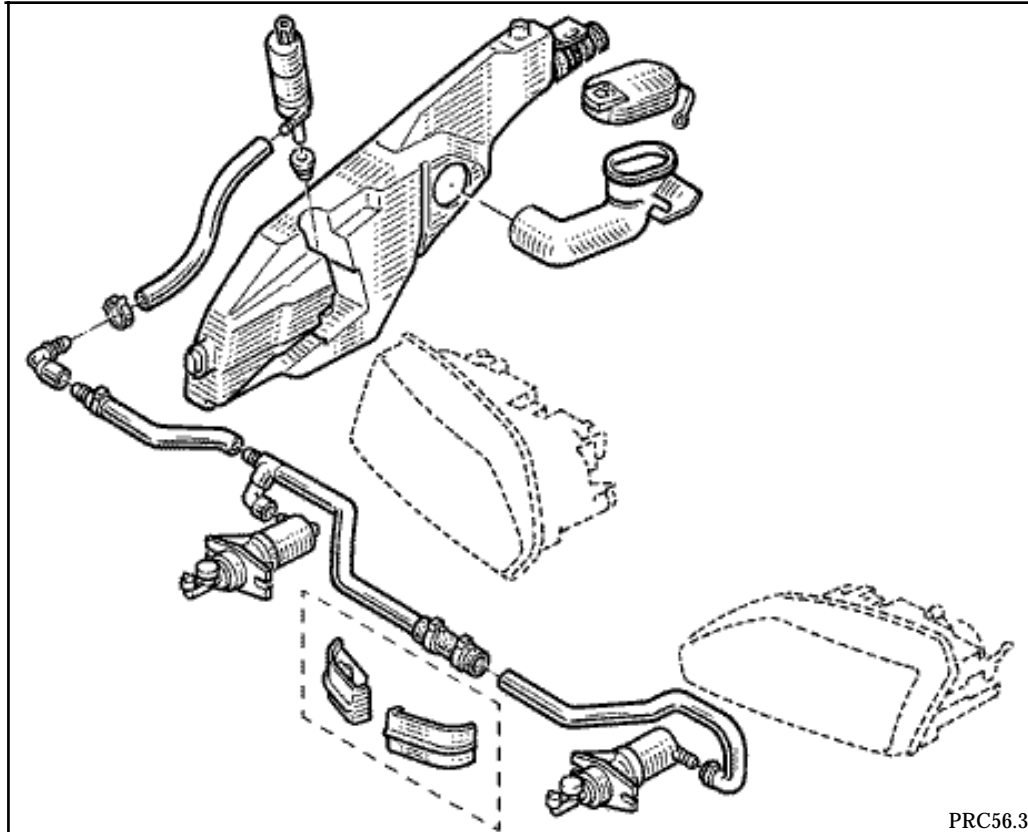
REMOVING THE TRIM

Remove the plastic mounting nuts (G) securing trim (A) to the bumper.



11704R

IMPORTANT: When refitting, do not overtighten the mounting nuts as excessive force will result in damage to the mounting (> 0.25 N.m) .

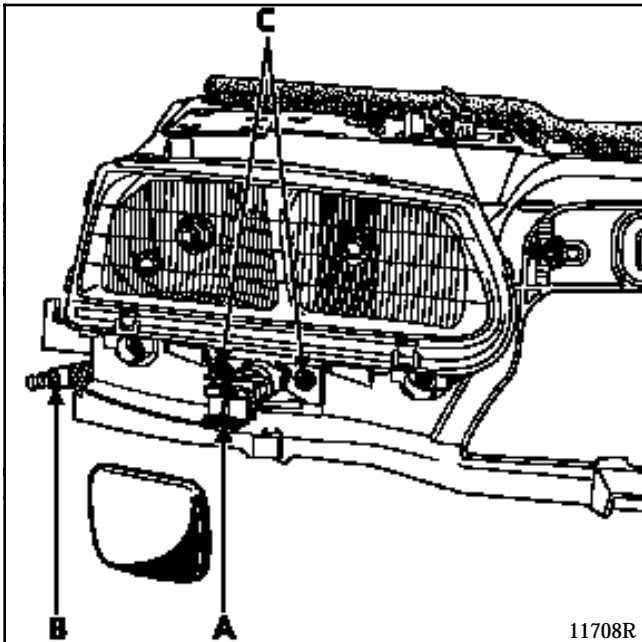


REMOVAL

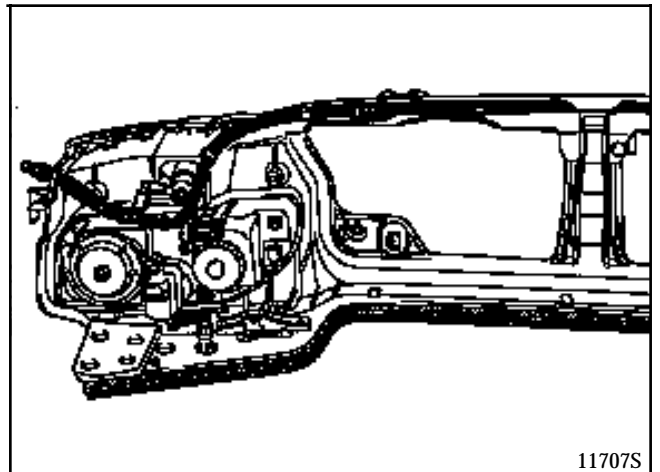
Unclip the washer jet covers at (A) and remove the front bumper (see 55B)

Disconnect feed pipe (B).

Remove both washer jet mounting bolts (C) from the front end panel.



Disconnect and remove the washer jet feed pipe.



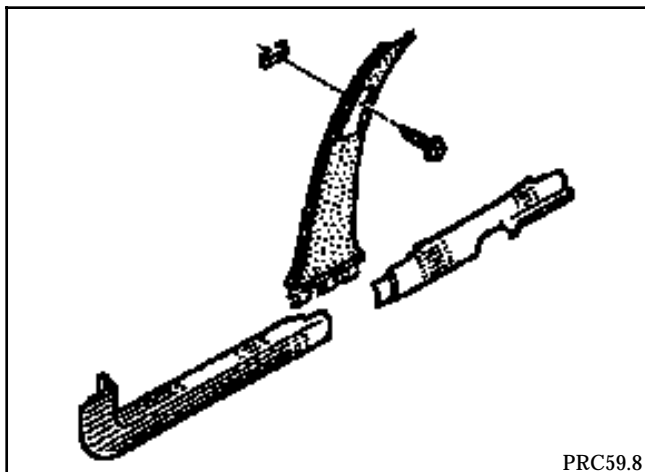
Front seat belts

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 restraint applied by the belt to the pelvis and thorax of both front passengers during rapid deceleration (see next page).

REMOVAL

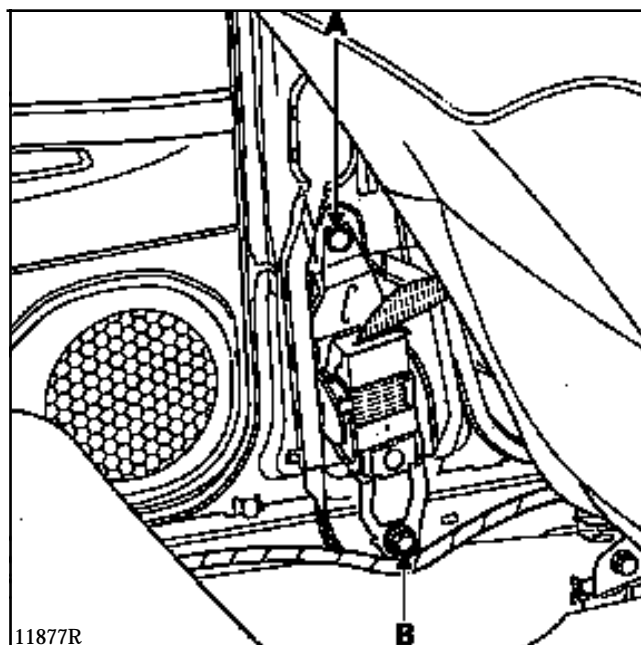
Remove the various interior trims in order to remove the seat belt retractor.



Remove the seat belt attachment from the seat.



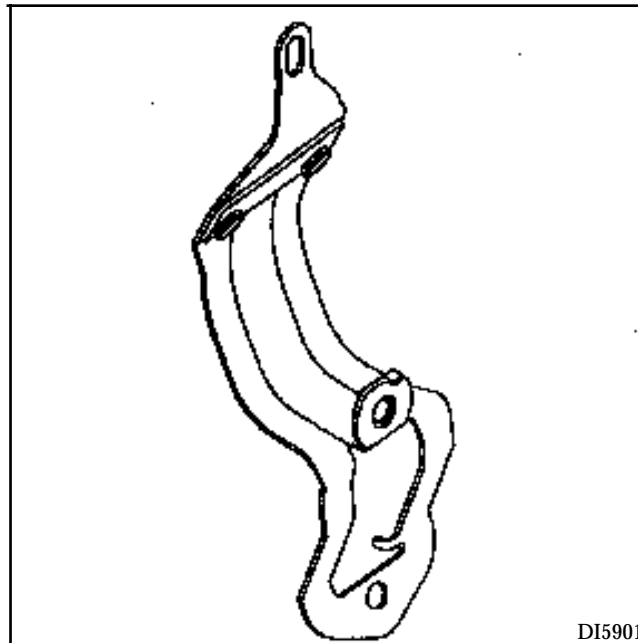
Using pliers, remove the upper clip (fir tree type) (A) and the lower mounting (B) of the retractor assembly on the centre pillar.



Front seat belts

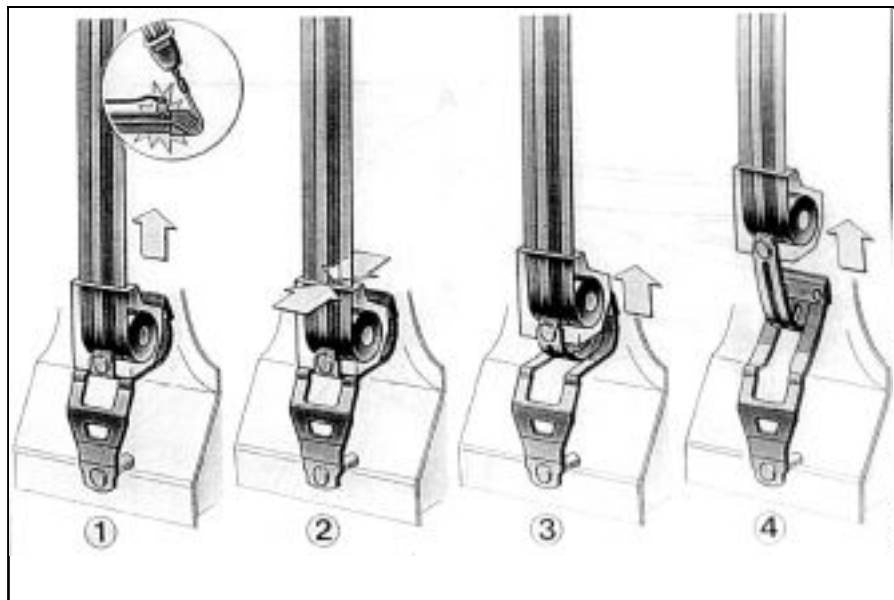
Programmed restraint system

Seat belt retractor fitting.



Principle of operation:

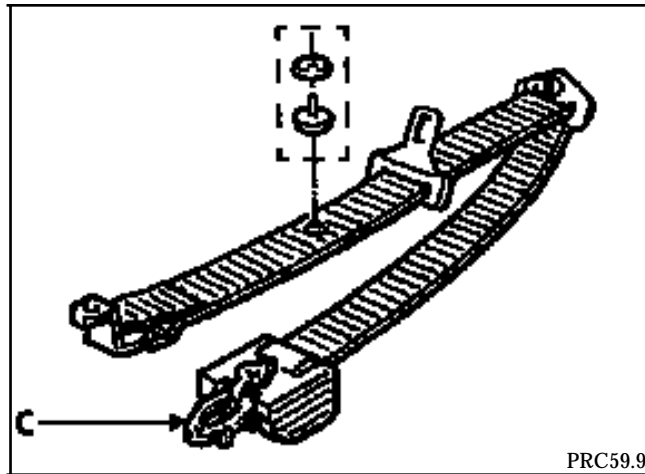
- pre-tensioning action (1),
- belt locking action (2),
- force limiter action (3) and (4); deforms under belt tension.



REFITTING

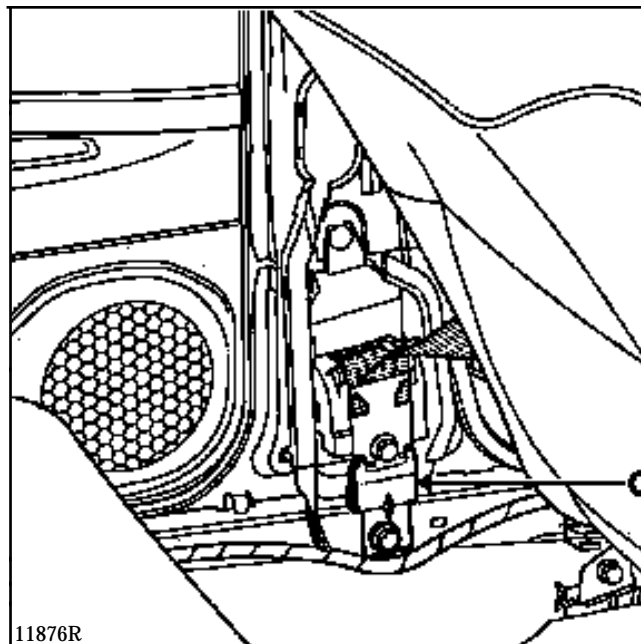
If the pre-tensioners are triggered, the front seat belt(s) and the respective fitting attachments in use at the time of impact must always be replaced along with their mounting bolts. If there is any doubt over the safety of the seat belt it must always be replaced.

Front safety belts

ADAPTING A CONVENTIONAL TYPE RETRACTOR
ON A PHASE I VEHICLE

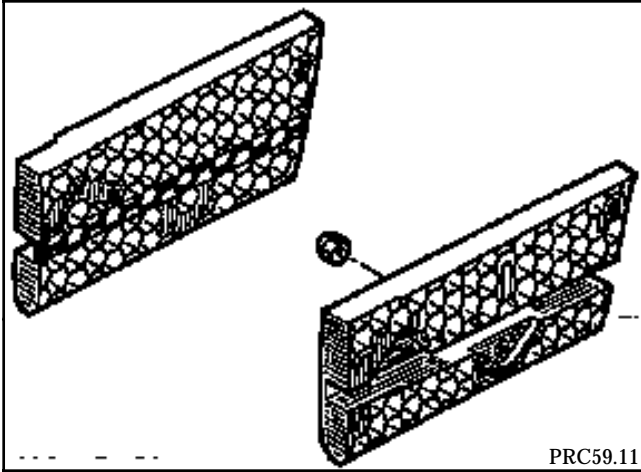
A conventional type retractor can be mounted on the centre pillar in the location provided for the Programmed Restraint System (PRS).

For this purpose a special plate (C) available from the Parts Department can be used to fit a conventional type retractor in the event of the vehicle body or side panel being replaced.



External side impact absorber

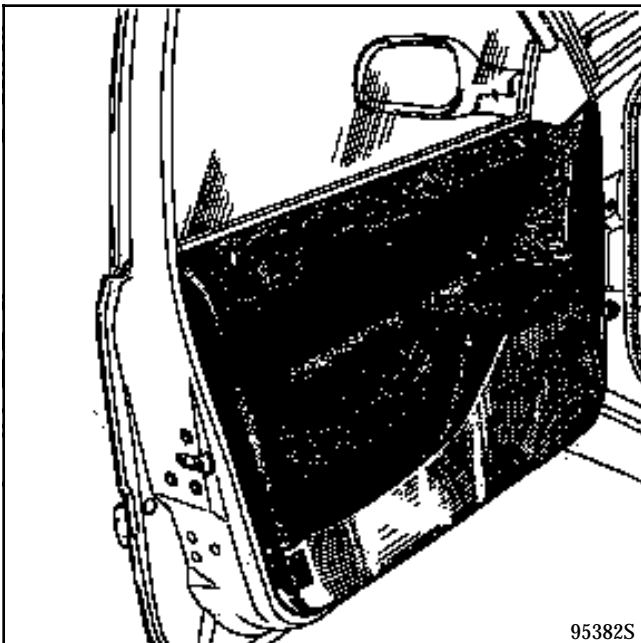
The side impact absorber is mounted on the front door reinforcement bar.



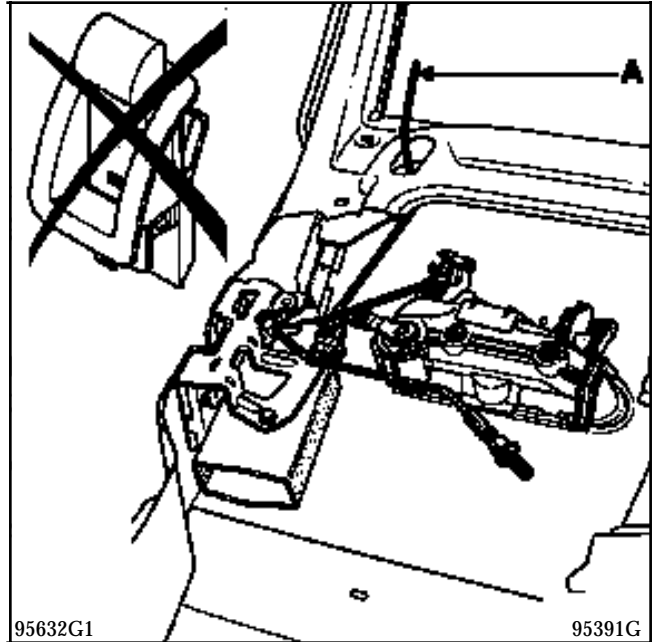
REMOVAL

After removing the door trim (see MR 303 - section 72), remove the interior and exterior door channel seals.

Place the window in the fully closed position and disconnect the electric window feed connector.



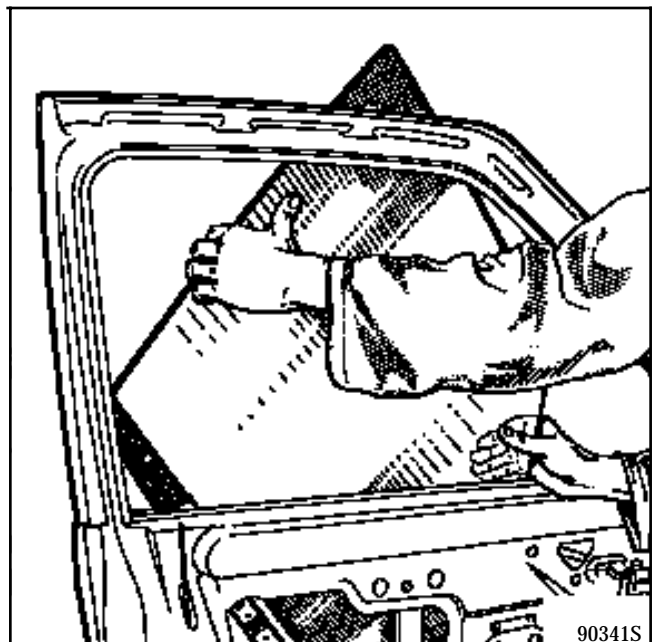
NOTE: On the front doors, the interior locking button and its control rod (A) has been discontinued.



Remove the window mechanism securing nuts.

Remove the guide pads from the lower window guide by pushing the mechanism towards the door lock.

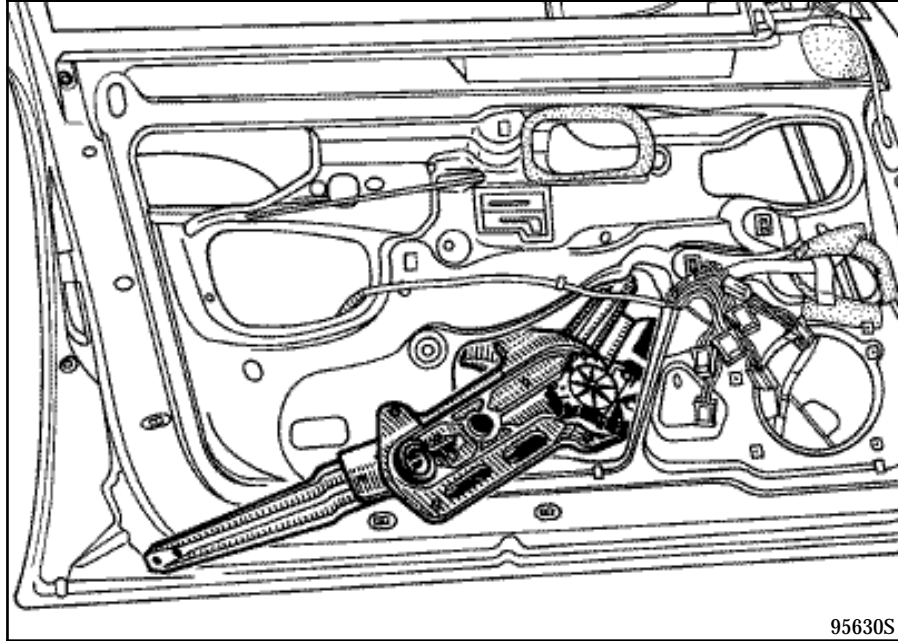
Remove the window glass.



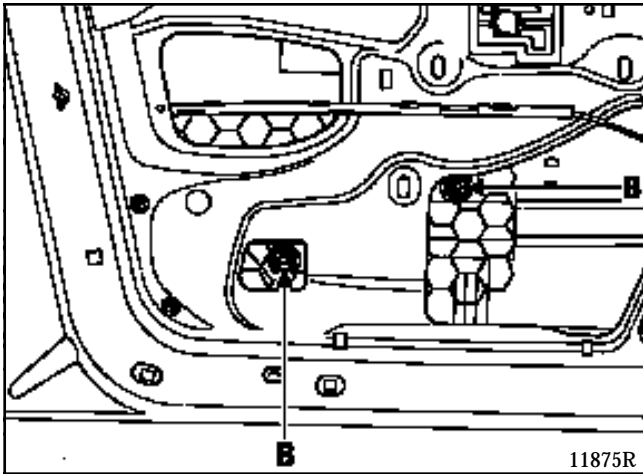
External side impact absorber

Connect the motor feed connector and control button in order to lower the two arms of the window mechanism.

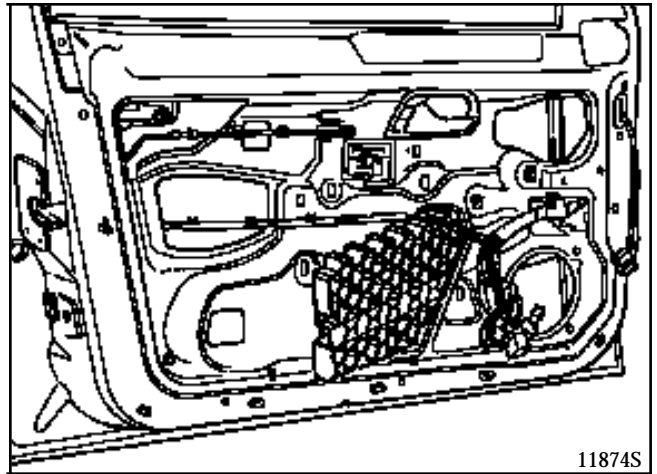
Remove the mechanism from the inner door panel.



Remove the two absorber mounting bolts (B) from the reinforcement bar.



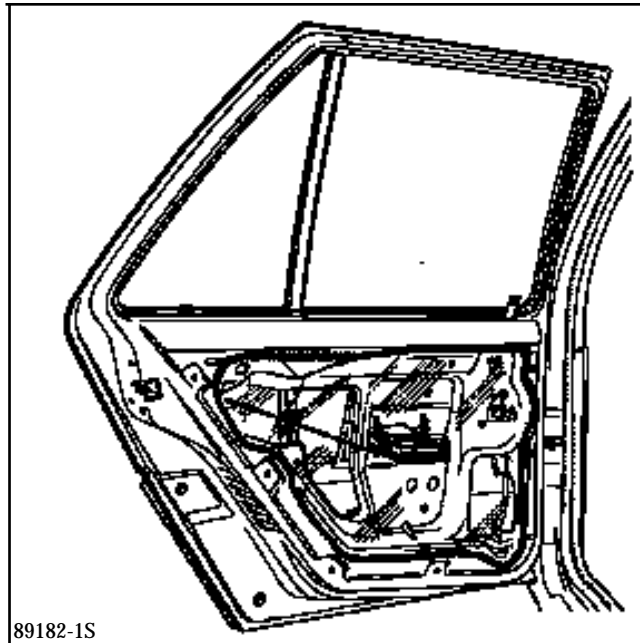
Push the absorber towards the front of the door panel in order to remove it as shown below.



External side impact absorber

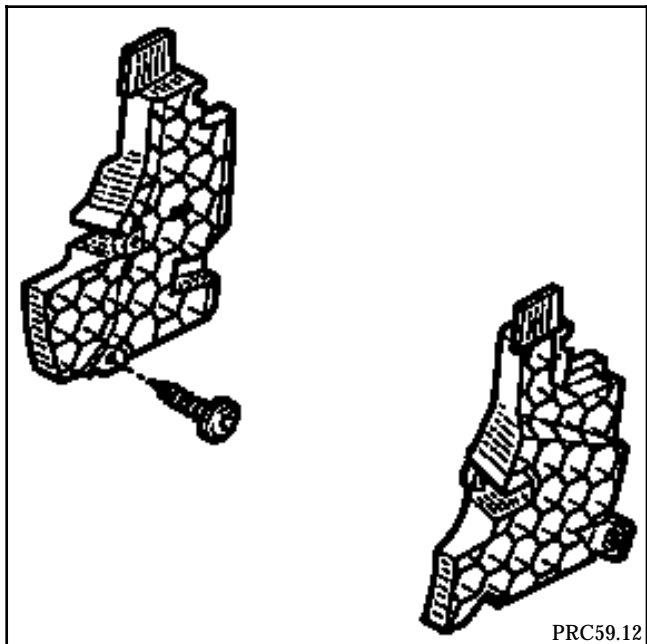
REFITTING

NOTE: After refitting the glass, do not forget to refit the watertight door trim seal before refitting the trim.



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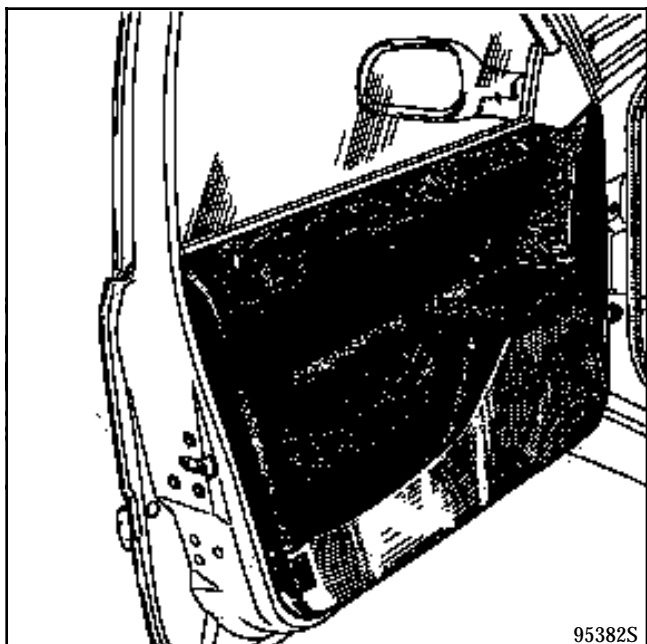
Internal side impact absorber



REMOVAL

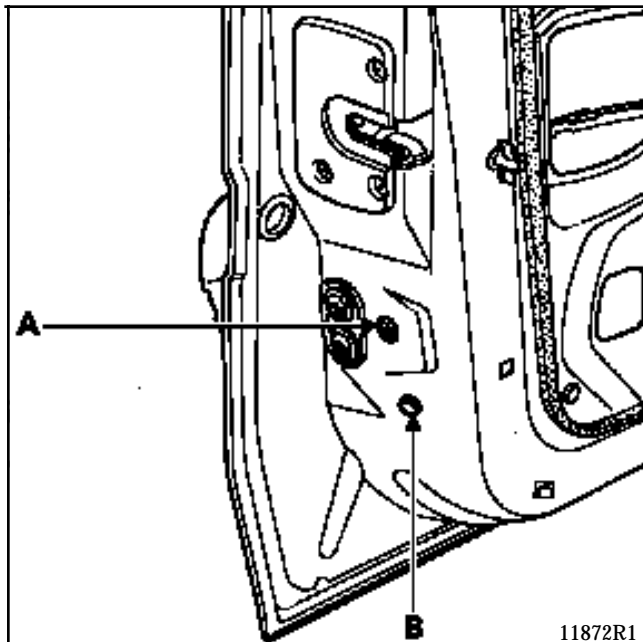
After removing the door trim (see MR 303 - section 72), remove the interior and exterior door channel seals.

Place the window in the fully closed position and disconnect the electric window feed connector.



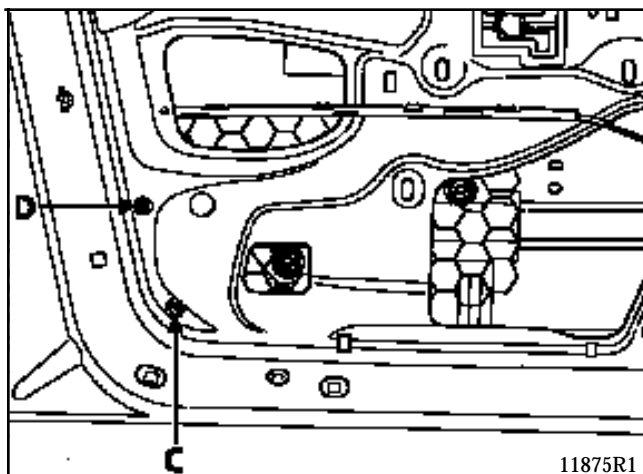
Remove:

- the bottom mounting bolt (A) for the lower window channel,
- the absorber mounting bolt (B) on the door panel.



Remove:

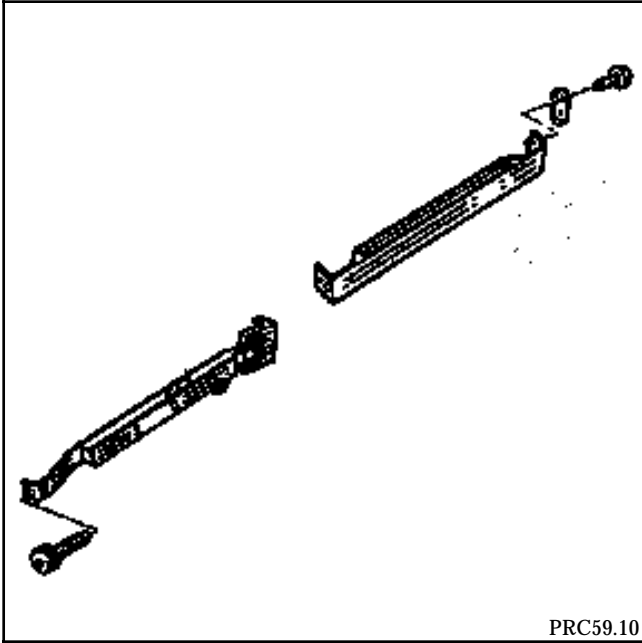
- mounting bolt (C),
- retaining clip (D):
 - remove the centre bolt,
 - push the absorber towards the door panel in order to remove the clips from its housing.
- remove the absorber from the door panel.



Front door side impact bar

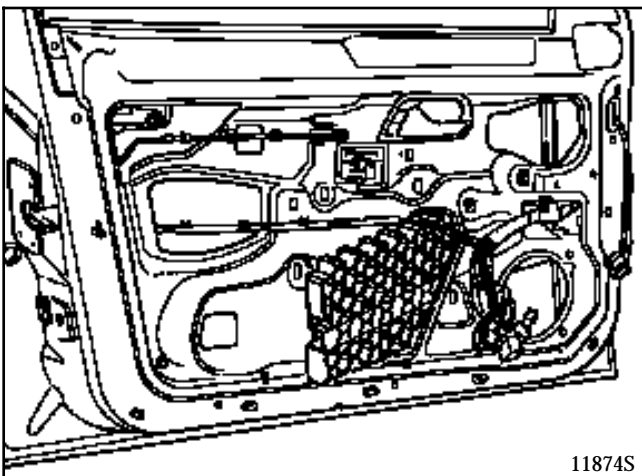
This operation is necessary when reassembling a door panel in the area below the door trim.

NOTE : Removing the rear door side impact bar is identical to removing the front door side impact bar.



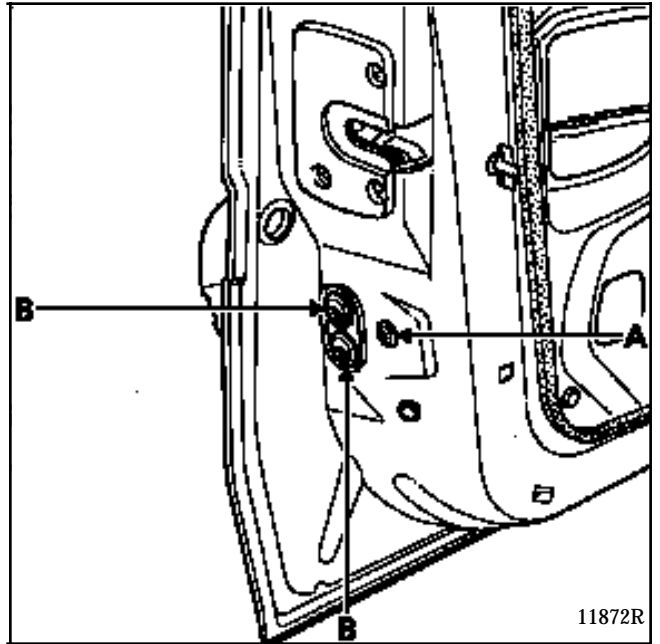
REMOVAL

Remove the impact absorber mounted on the side impact bar following the method of removal described in **Section 59B** on pages 59-4 to 59-6.



Remove the window channel lower support (mounting bolt A) and pull the support downwards in order to remove it from its housing on the upper door frame.

Remove the two rear side impact bar mounting bolts (B) .



Remove the side impact bar front mounting bolt (C) and remove the bar from the door panel.

