

# Mégane

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## **5** Mechanisms and accessories

**51** SIDE DOOR MECHANISMS

**52** MECHANISMS OF OPENINGS OTHER  
THAN SIDE DOORS

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**56** EXTERIOR ACCESSORIES

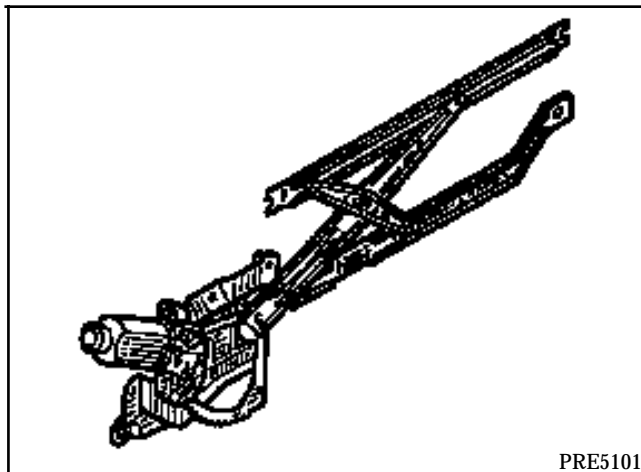
**58** UPPER INTERIOR ACCESSORIES

# Mechanisms and accessories

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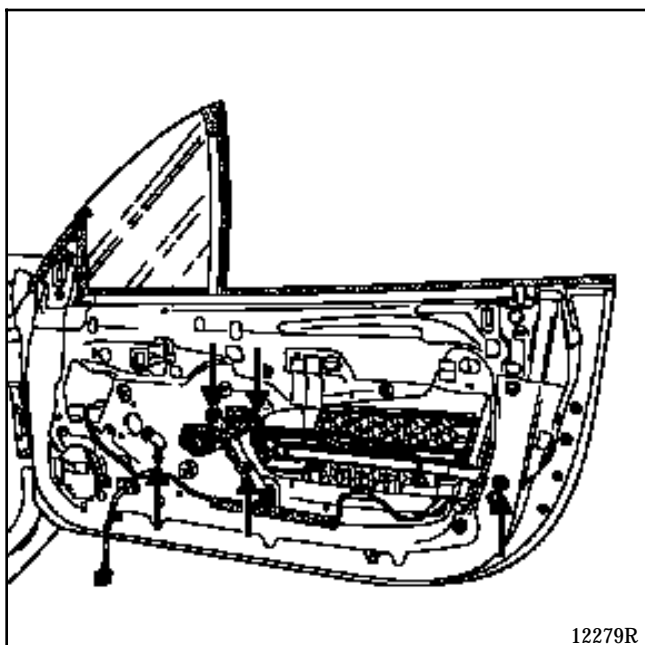
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PRE5101

**REMOVAL**

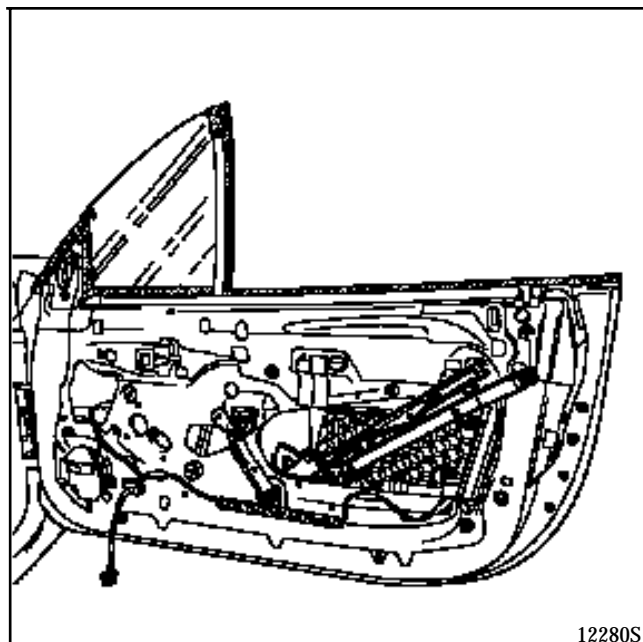
After removing the interior trim, the side impact bar and the window, compress the window mechanism rings.



12279R

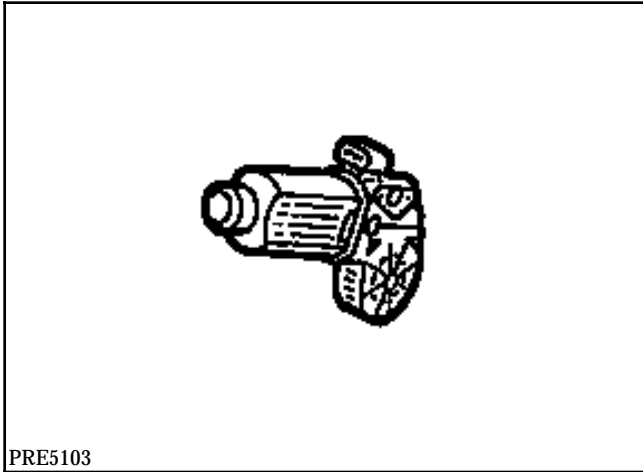
Disconnect the motor connector.

Remove the window mechanism mounting bolts.



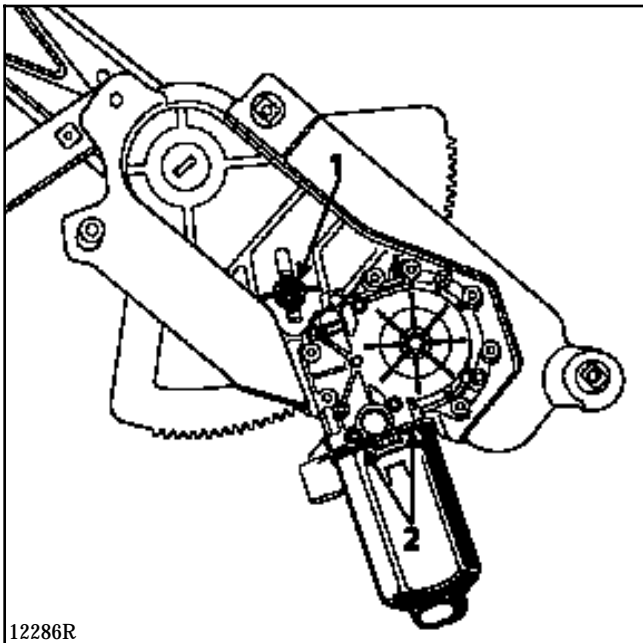
12280S

Remove the window mechanism.



PRE5103

CHANGING THE MOTOR

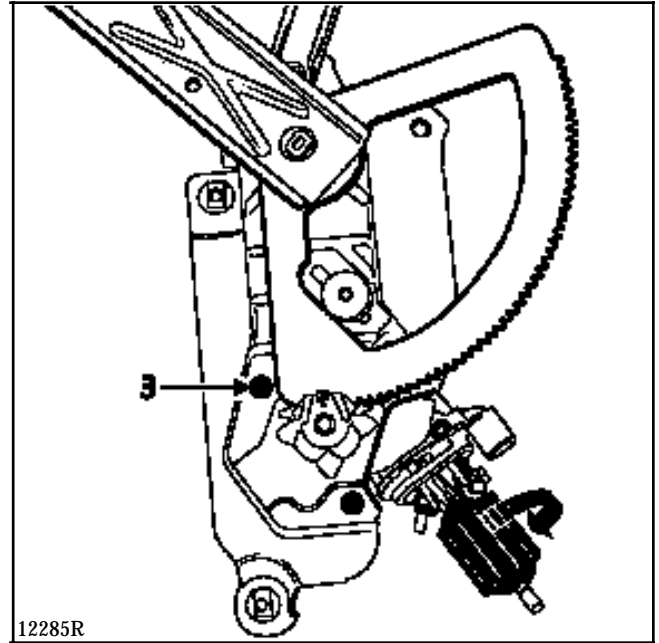


12286R

After removing the window mechanism, mark the position of the stop (1).

Remove the stop.

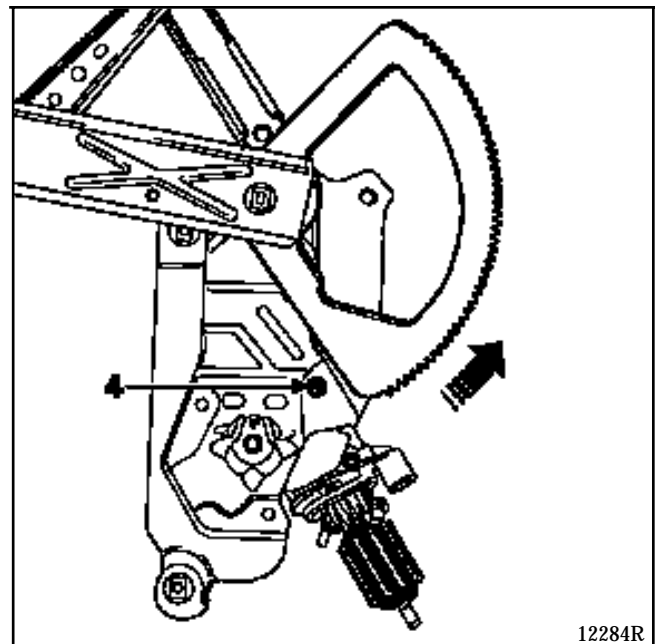
Open the motor cover mounting plates (2) and remove the motor.



12285R

Turn the motor shaft until the mounting bolt (3) is accessible.

Remove the mounting bolts.



12284R

Detach the toothed ring.

Remove the mounting bolt (4).

**REFITTING**

Secure the motor and engage the toothed wheel.

Connect the motor and operate the window mechanism.

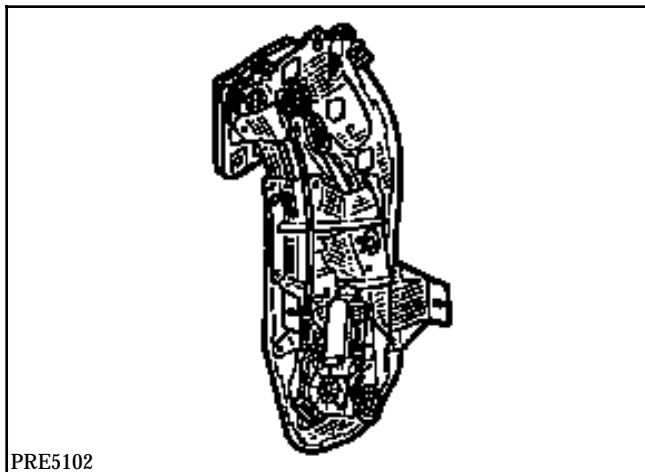
Position the stop (1) at the marks and tighten it.

Refit the window mechanism - window assembly.

The tightening torque for all of the bolts is **8 N.m**.

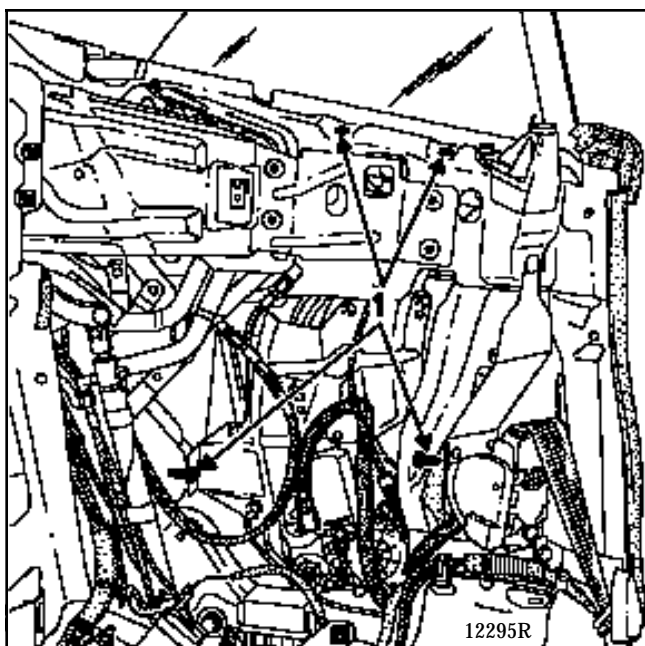
**ADJUSTMENT**

See section 54.



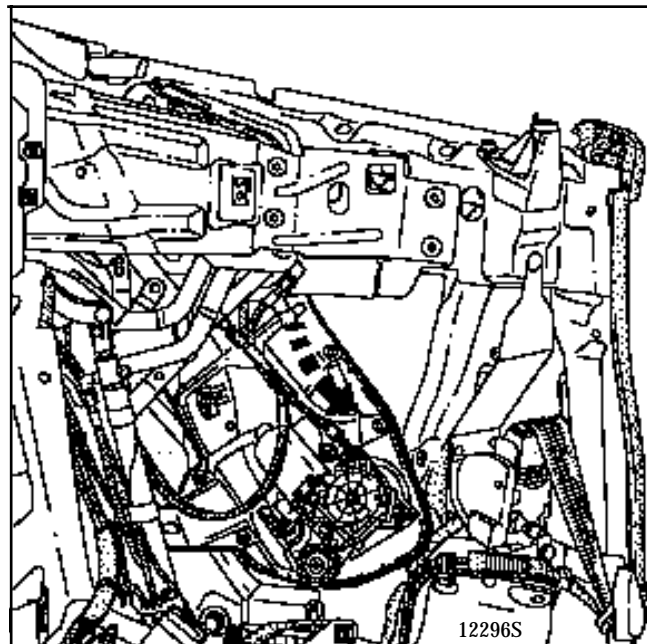
### REMOVAL

After removing the seat, the rear bench seat backrest, the interior trim and the window, disconnect the motor connector.



Remove:

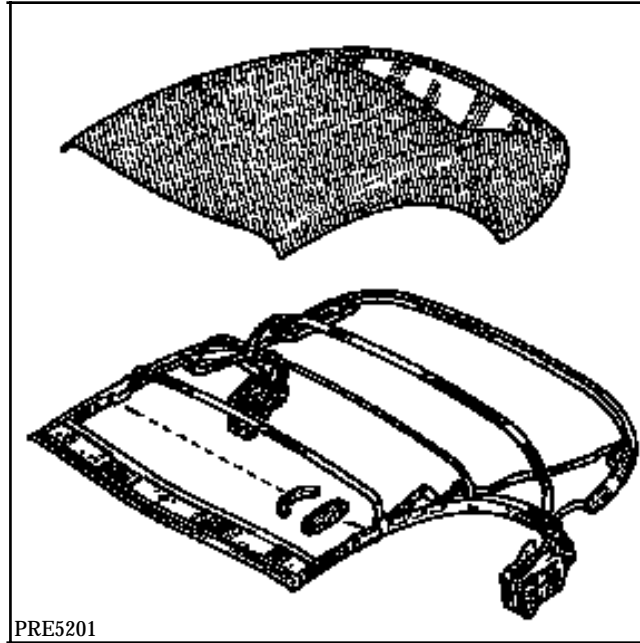
- the window mechanism mountings (1),



- the window .

### ADJUSTMENT

See section 54

**REMOVAL**

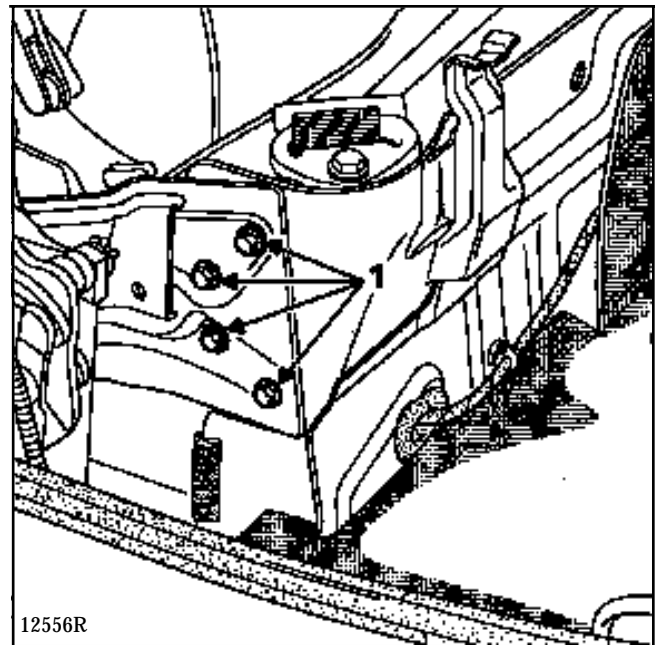
Before carrying out any work, protect the rear wings.

Remove the seat cushion, the bench seat backrest and the quarter light trims



Place the hood in the neutral position (front section beyond the pushing point), rear roof arch vertical.

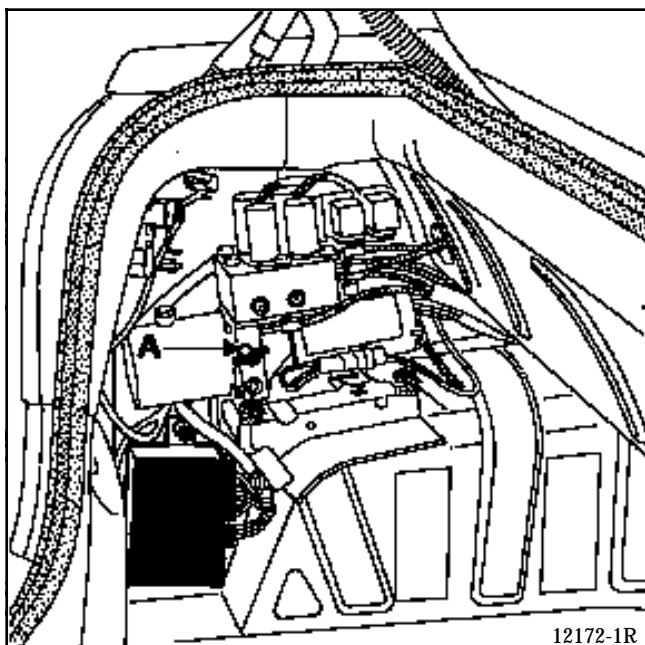
Immobilise the hood cover (electrohydraulic hood).



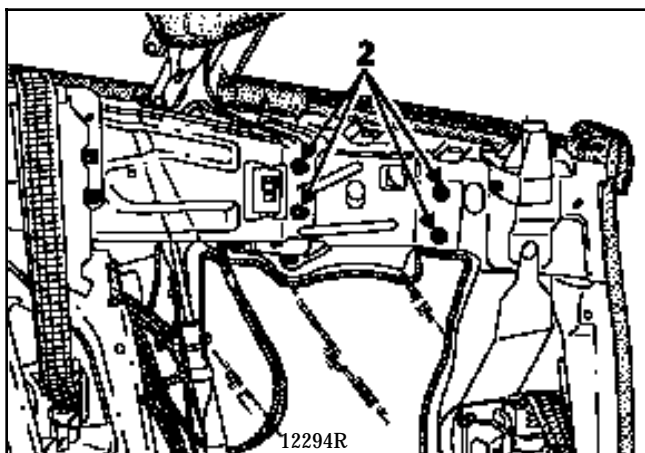
Remove the rear connecting crossmember mounting bolts (1).

## Complete manual or electrohydraulic hood

**WARNING:** for vehicles fitted with an electrohydraulic mechanism, the hydraulic system **MUST NEVER** be operated after removal of the connecting crossmembers (risk of losing the basic hood adjustment). It is therefore **ESSENTIAL** to operate the hood **MANUALLY** .



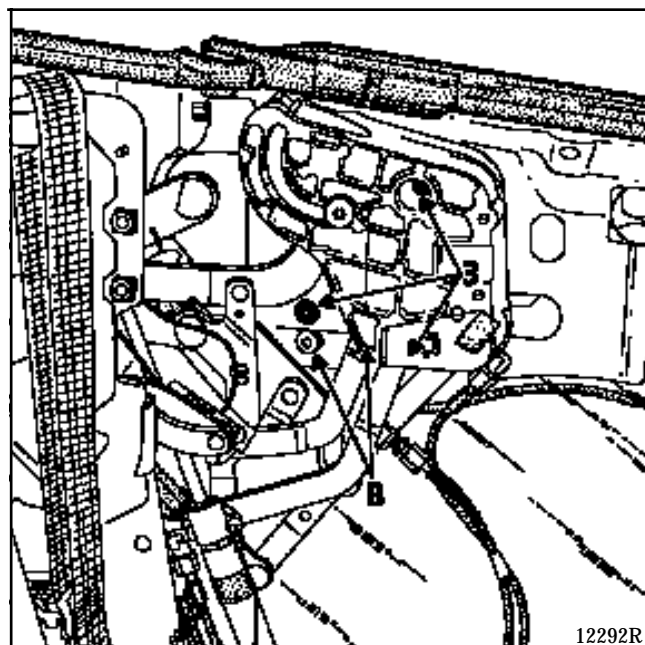
To do this, open the hydraulic unit bolt (A) as far as possible.



Remove:

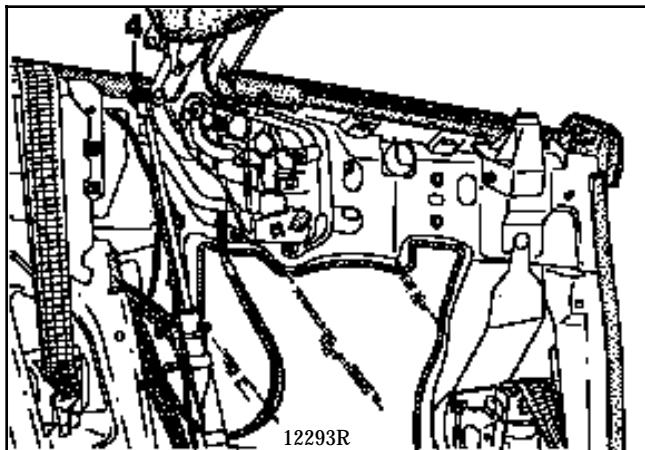
- the front connecting crossmember mounting bolts (2),
- the connecting crossmember.

Disconnect the hood microswitch wiring.



Remove the main bearing mounting bolts (3).

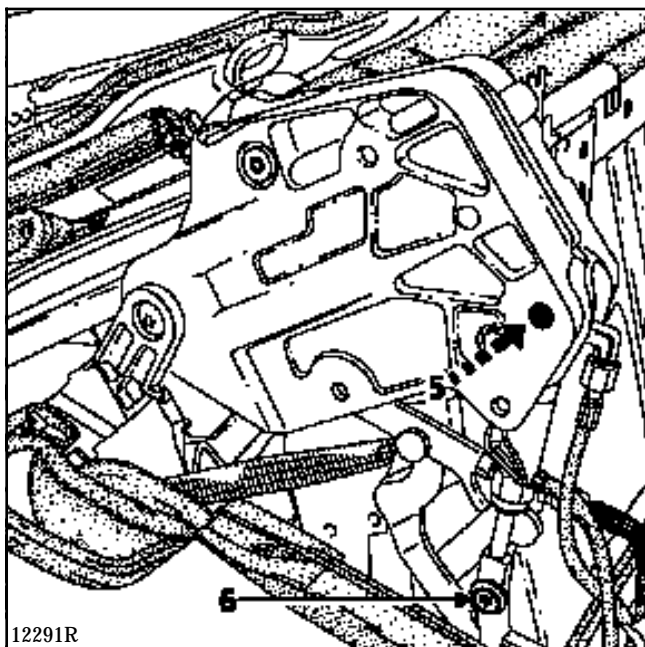
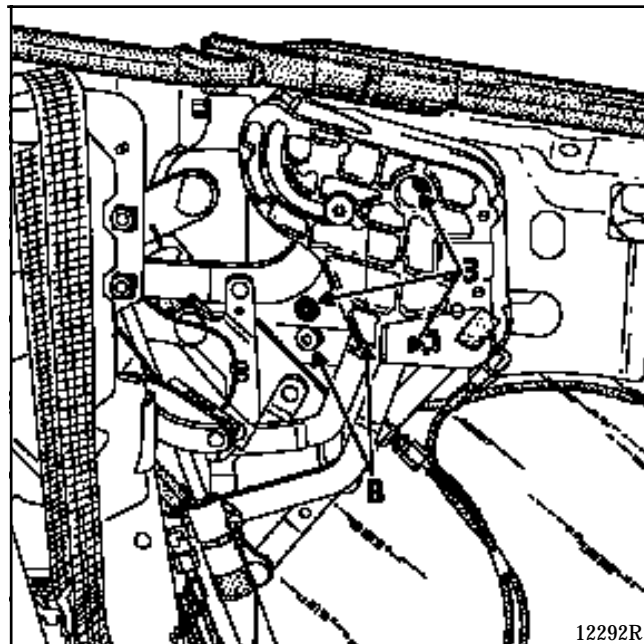




Remove the upper main ram clamp (4).

Separate the main ram from the frame.

Fold the hood.



Remove the pin (5) then the clamp (6).

Separate the ram from the rear roof arch (electrohydraulic mechanism).

**NOTE:** for reasons of clarity, the main bearing has been disengaged from the body.

Remove:

- the third main bearing mounting bolt,
- the hood (2 people).

**NOTE:** do not loosen the main bearing backing plate mounting bolts (B) (basic adjustment).

**REFITTING**

Fit the folded hood in its housing.

Secure the main bearing without tightening it.

Close and lock the hood.

Tighten the main bearing mounting bolts (3) to a torque of **20 N.m.**

Fold the hood.

Position the rear roof arch ram, secure it to the clamp (6) and the pin (5) (electrohydraulic mechanism).

Place the hood in the neutral position, rear roof arch vertical.

Connect the hood microswitch wiring.

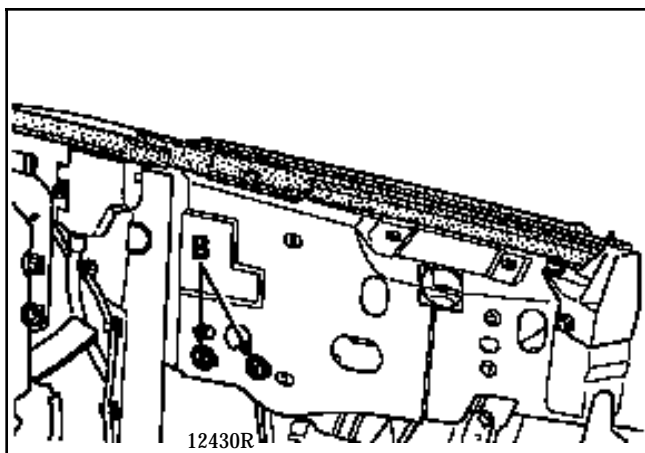
Fit the main ram and clamp it.

Position the connecting crossmember and tighten the mounting bolts to a torque of **20 N.m.**

Tighten the hydraulic unit bolt and operate the electrohydraulic system several times (opening - closing) in order to bleed the hydraulic circuit (automatic bleeding).

## MAIN BEARINGS BACKING PLATES

## REMOVAL - REFITTING



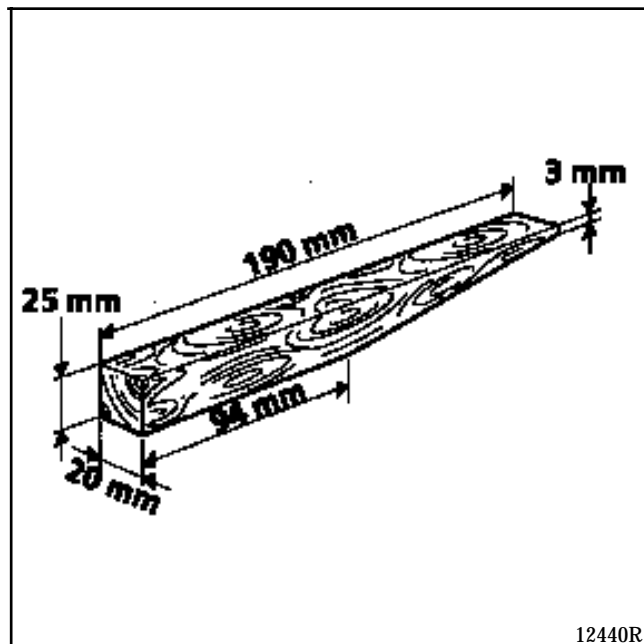
Removal - refitting without tightening bolts (B)

## ADJUSTMENT

Adjustment is carried out before refitting the connecting crossmember, with the hood closed and locked and the vehicle on an even surface.

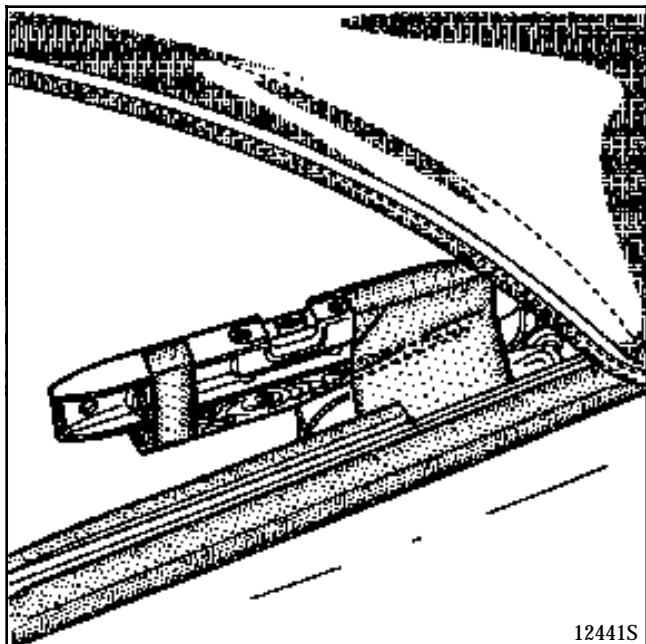
## Tools required:

- spirit level approximately 200 mm long,
- Spanner wrench (example: disker tightening spanner),
- wooden shim made on site.

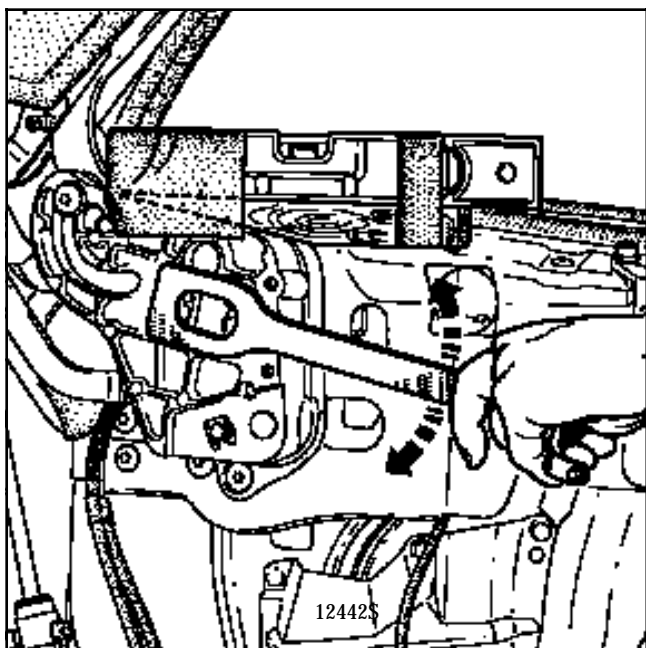


Place the spirit level in the centre of the sill panel.

Mark the position of the bubble in the spirit level in felt tip pen.

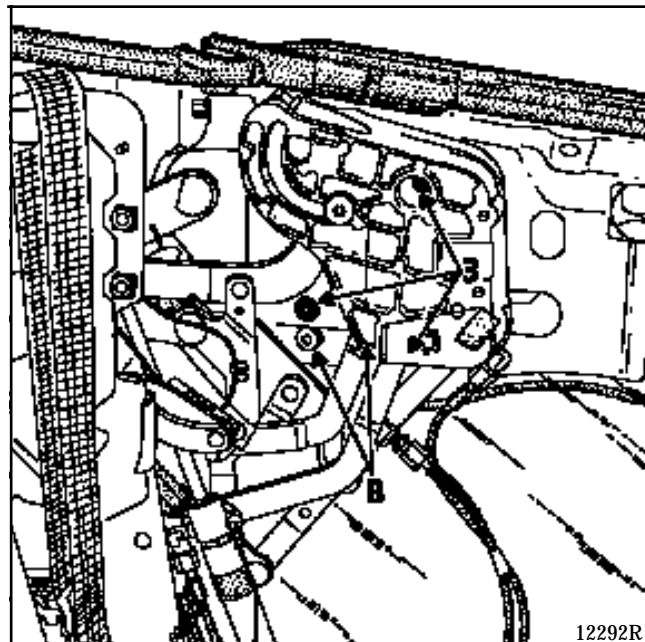


Secure the shim under the spirit level using adhesive strips.



and secure the assembly to the main bearing.

Tilt the main bearing using the spanner wrench until the bubble corresponds to the marks previously made on the the glass.



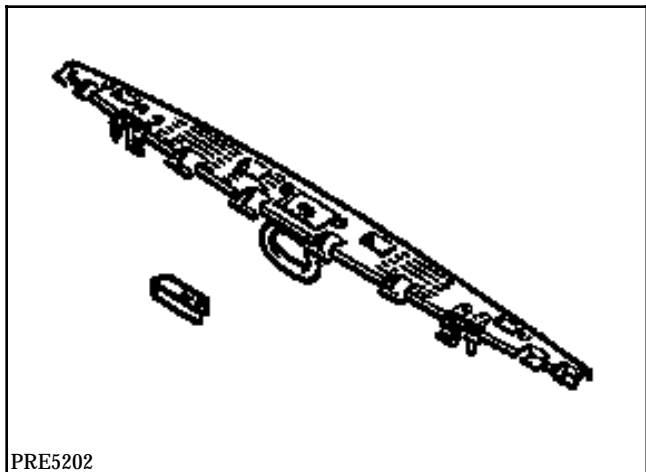
Tighten the backing plate bolts (B) and the main bearing bolts (3) to a torque of **20 N.m**.

This operation is to be carried out by two people.

Check the alignment of the hood in relation to the windscreen aperture seal.

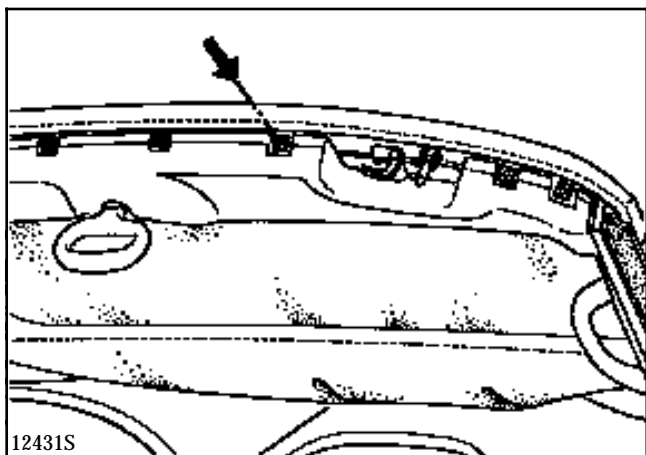
Open the hood, pull the handle downwards and check the free insertion of the front frame guide pins in the locks.

Front hood locks



REMOVAL OF THE LOCKING PLATE

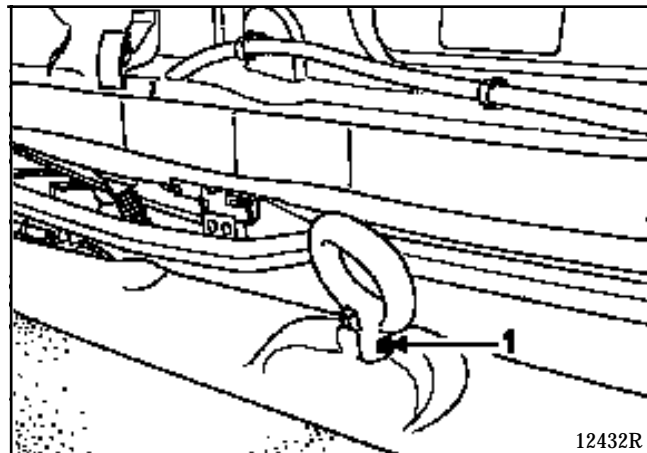
Place the hood in the neutral position.



Remove the front frame cover clips.

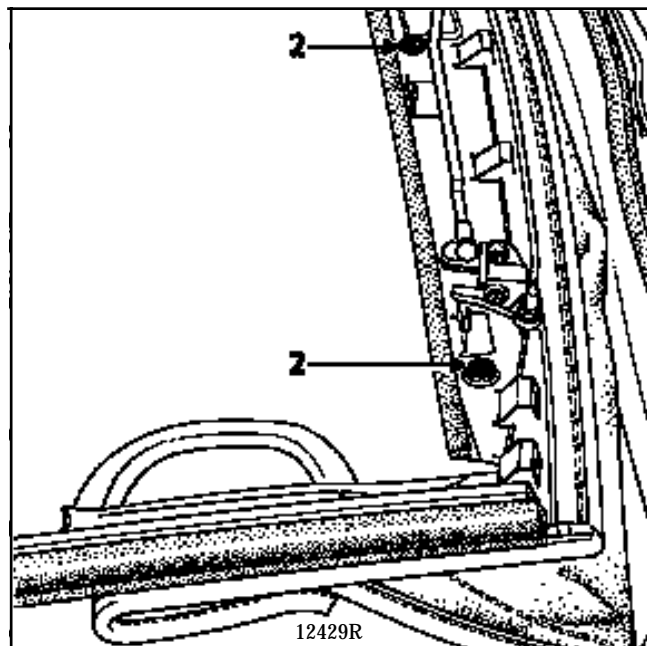
Fold the hood in its housing.

Immobilise the hood cover in the case of the electrohydraulic model.



Unscrew the pin (1) and remove the locking handle.

Unclip and remove the cover.



Remove the locking plate bolts (2).

## Front hood locks

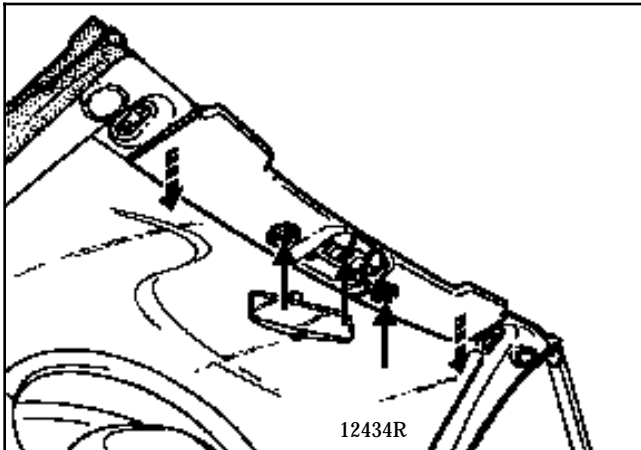
## REFITTING

Refit the locking plate and tighten the mounting bolts (2) **8 N.m.**

Clip and clamp the front frame cover.

Secure the handle.

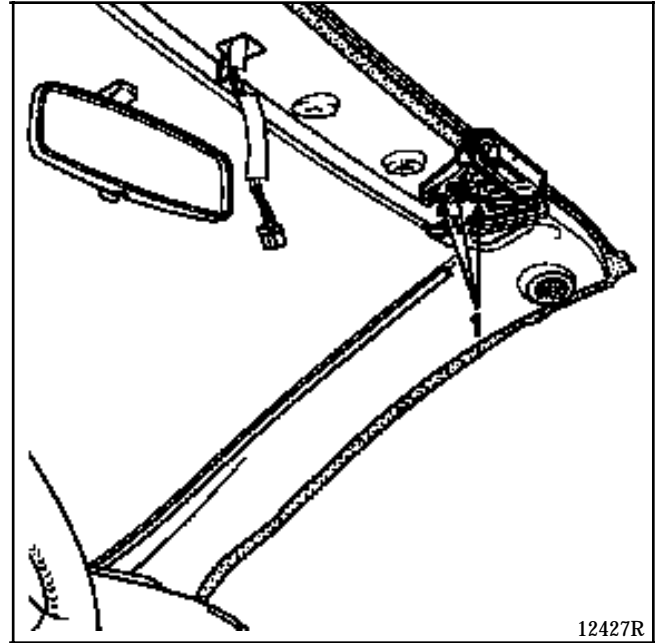
## REMOVAL OF THE FRONT LOCKS



Remove the sun visors, the brackets.

Detach the roof console.

Detach the roof crossmember trim.



Remove the bolts (1).

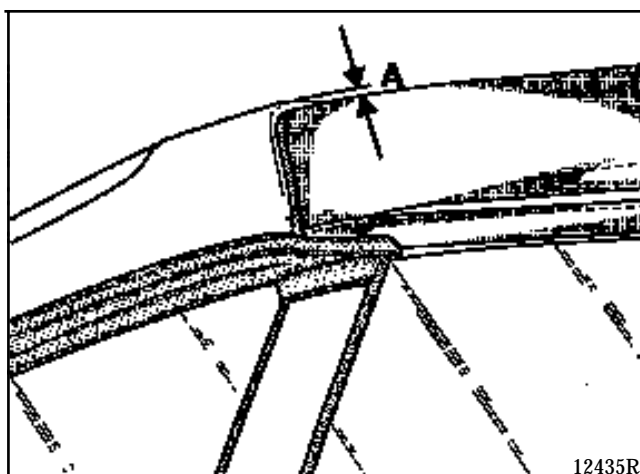
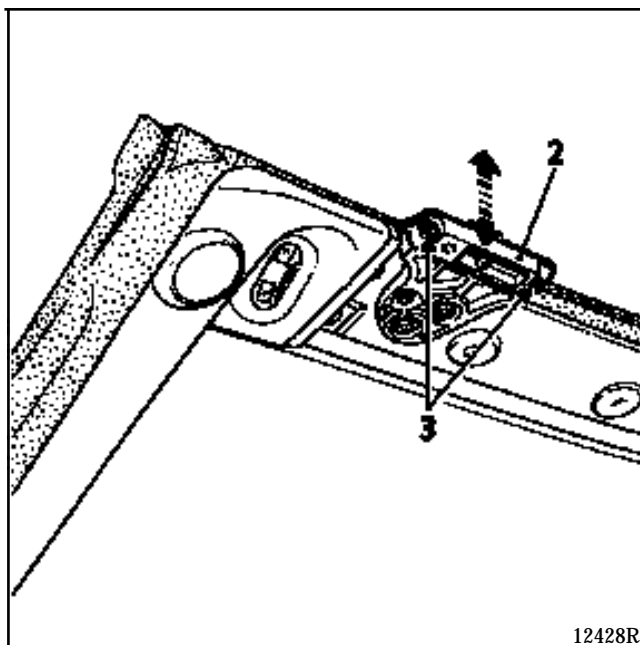
## REFITTING

Refit the locks.

## Front hood locks

## ADJUSTMENT

Hood closed and locked.

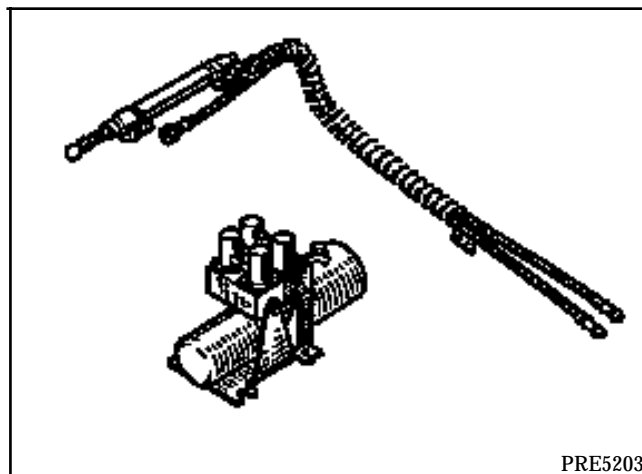


The front part of the hood is positioned by moving part (2) in order to obtain dimension  $A = 4$  mm.

Tighten the bolts (3) to a torque of **8 N.m**.

Refit the trim, the console, the sun visors.

## Complete hydraulic system

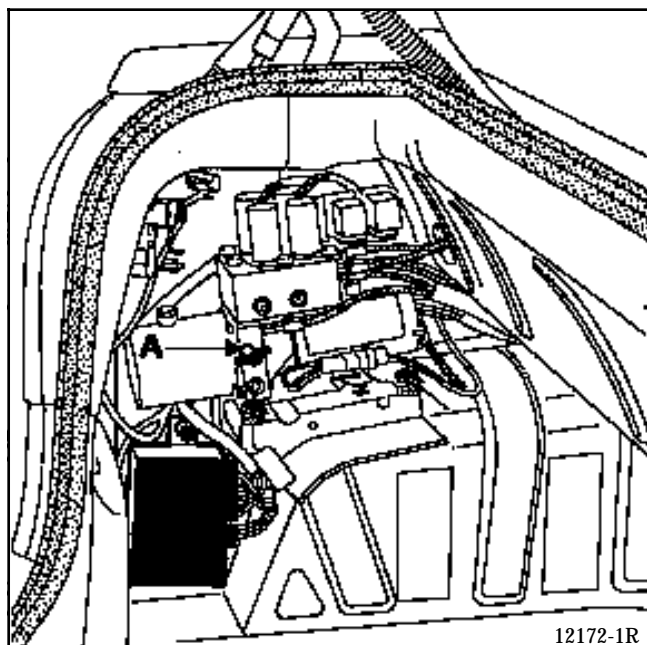


## REMOVAL

After removing:

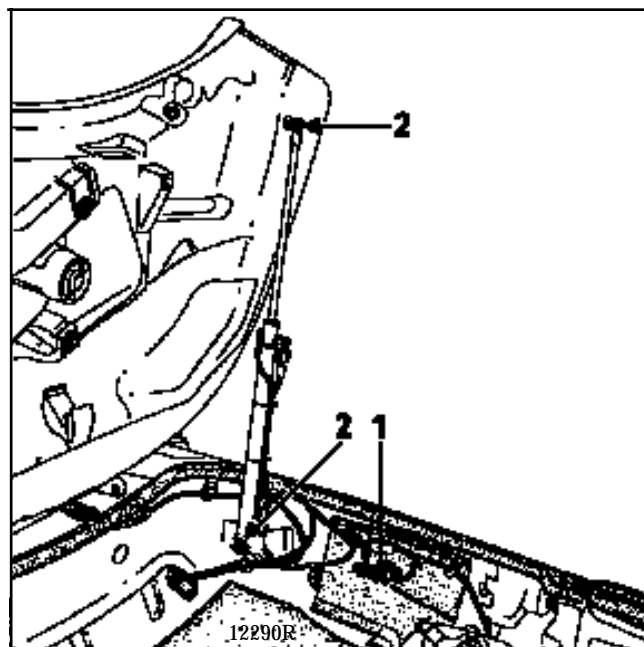
- the bench seat cushion and backrest,
- the quarter light trims,
- the boot side fittings

open the hood cover and immobilise it.



Open the bolt (A) as far as possible.

Remove the connecting crossmember.



Disconnect the wiring (1).

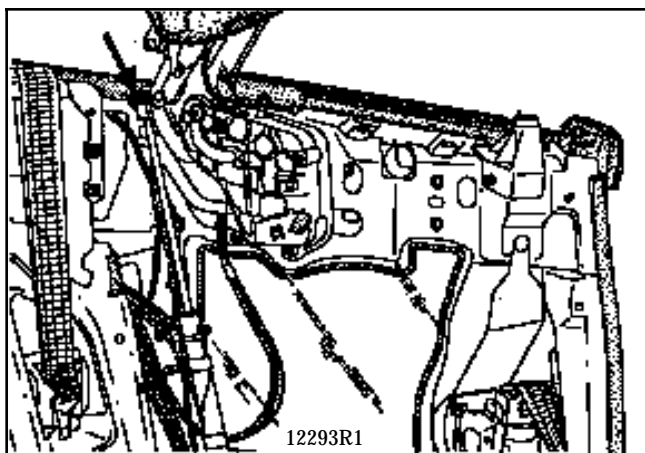
Remove the clips (2) and remove the ram.



## Complete hydraulic system

Remove:

- the main bearing mounting bolts (see section 52).



- the main ram upper clamp.

Separate the main ram from the frame.

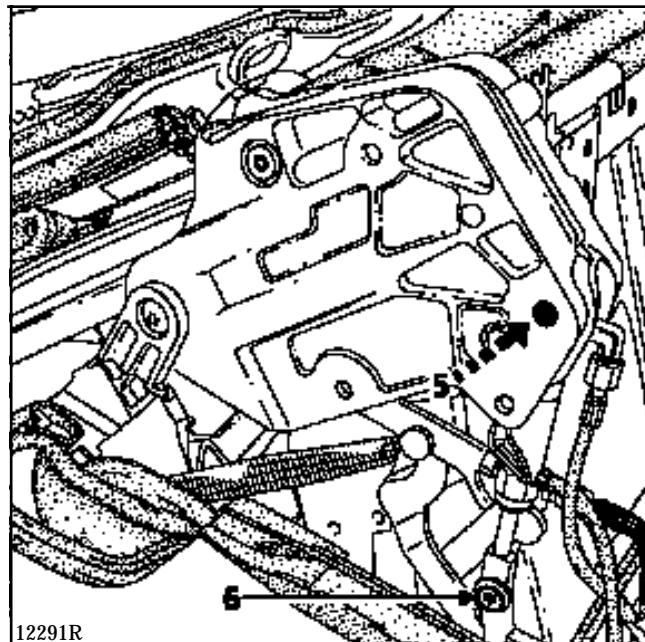
Fold the hood.

Disconnect the hood microswitch wiring (left-hand side)

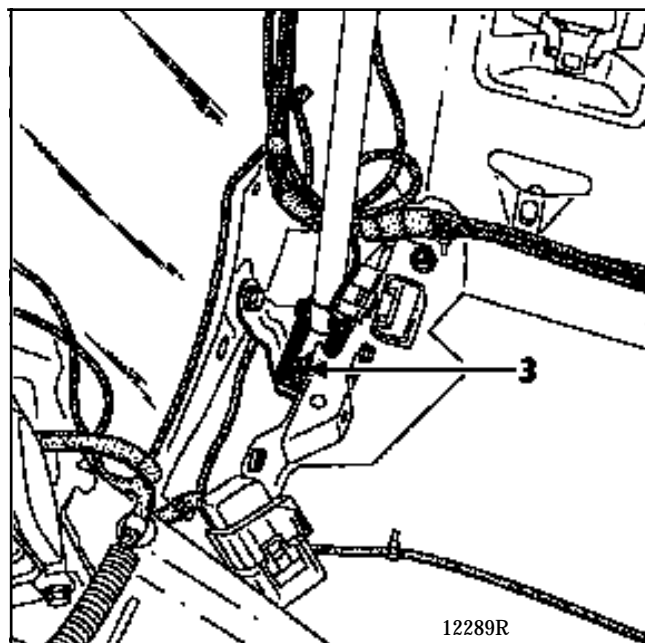
Detach the hydraulic pipes.

Remove the main bearing mounting bolts.

Raise and immobilise the main bearings in order to detach the hydraulic system clearance hole.



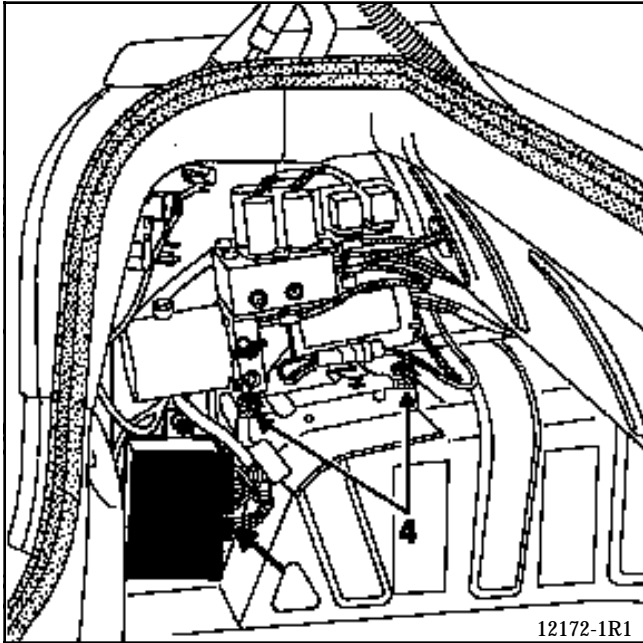
Remove the rear roof arch ram pin (5) then the clamp (6). Separate the ram.



Remove:

- the electric relays bracket,
- the lower yoke nut (3),
- the ram.

## Complete hydraulic system



Disconnect the wiring.

Remove:

- the housing,
- the pump mounting bolts (4),
- the pump.

Remove the rams - pipes assemblies in the following order:

- 1 hood cover assembly
- 2 left-hand side assembly
- 3 right-hand side assembly.

## REFITTING

Insert the rams - pipes assemblies through the clearance holes in the following order:

- 1 right-hand side assembly
- 2 left-hand side assembly
- 3 hood cover assembly.

Refit the pump.

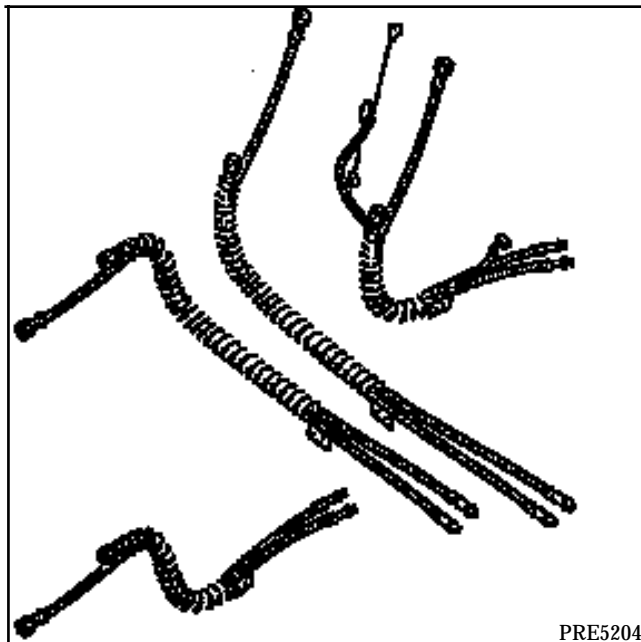
After refitting all of the components, close the hydraulic unit bolt and operate the electrohydraulic system several times (opening - closing) in order to purge the hydraulic circuit.

**WARNING:** when work is carried out on the hydraulic system, follow the recommendations below and keep everything clean.

- Before removal, clean the pipe unions, their environment and the reservoir carefully.
- Place the system on thick paper. Do not use a fluffy cloth.
- Cover the system carefully if the work is not carried out immediately.
- Do not remove the replacement parts from their packaging until immediately before they are fitted.
- Do not blow with compressed air when the hydraulic system is open.

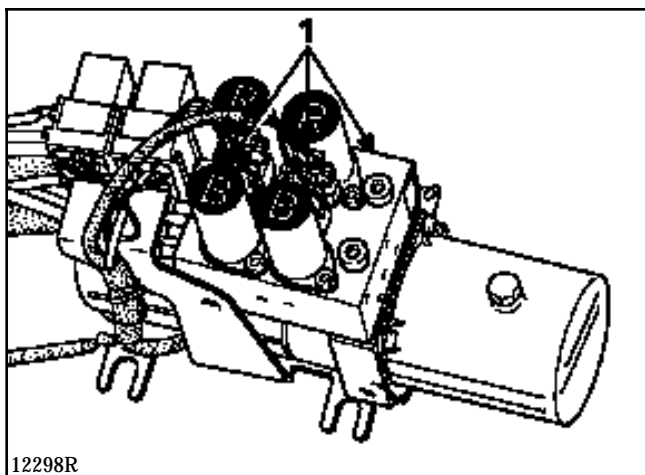
**ONLY** use ESSO UNIVIS J26 OIL for filling the hydraulic system.

Hydraulic system (pipes)



REMOVAL

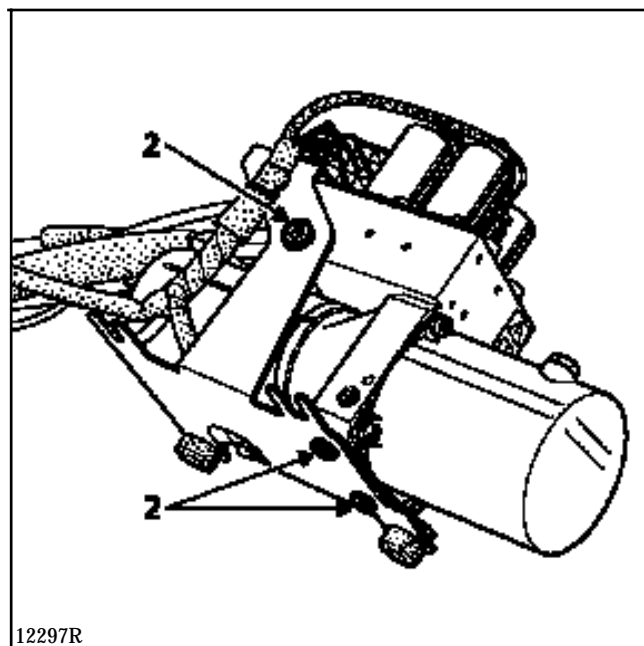
After removing the complete system, mark the colour of the connectors (1) on the solenoid valves.



B = blue  
R = red

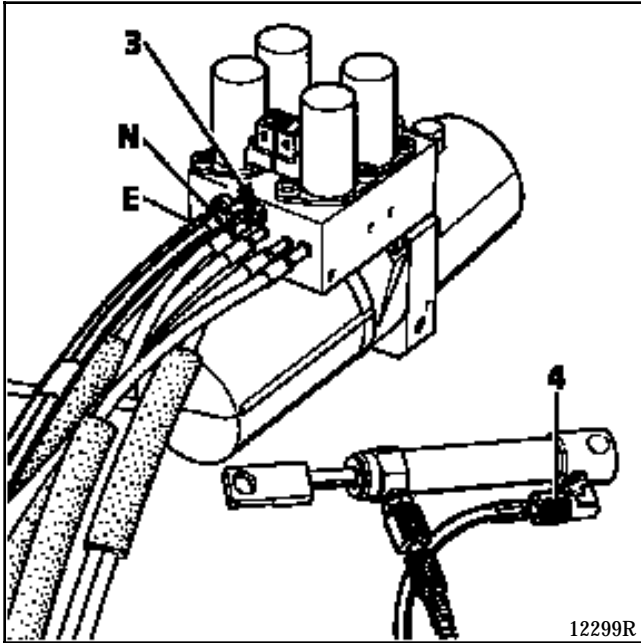
Remove:

- the pump connectors (1) and wiring,



- the pump bolts (2) and bracket.

## Hydraulic system (pipes)



12299R

Unscrew the mounting bolts (3) of the pipe concerned on the pump distributor (example: pipe (E) for the hood cover ram).

Remove the pipe from the pump distributor.

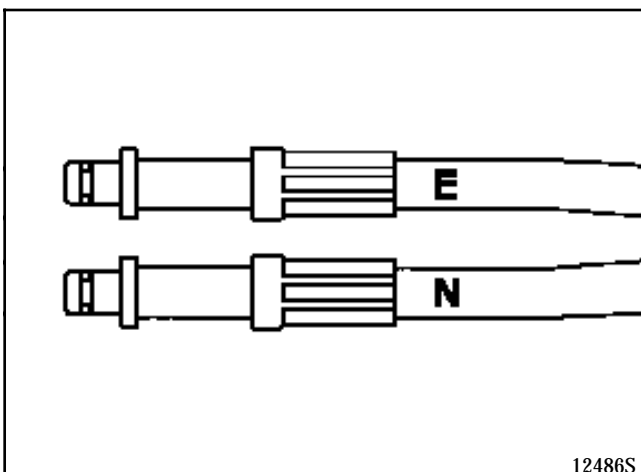
Unscrew the union (4) on the ram.

Proceed in the same manner for the pipe (N) as well as for the other groups of pipes.

**REFITTING**

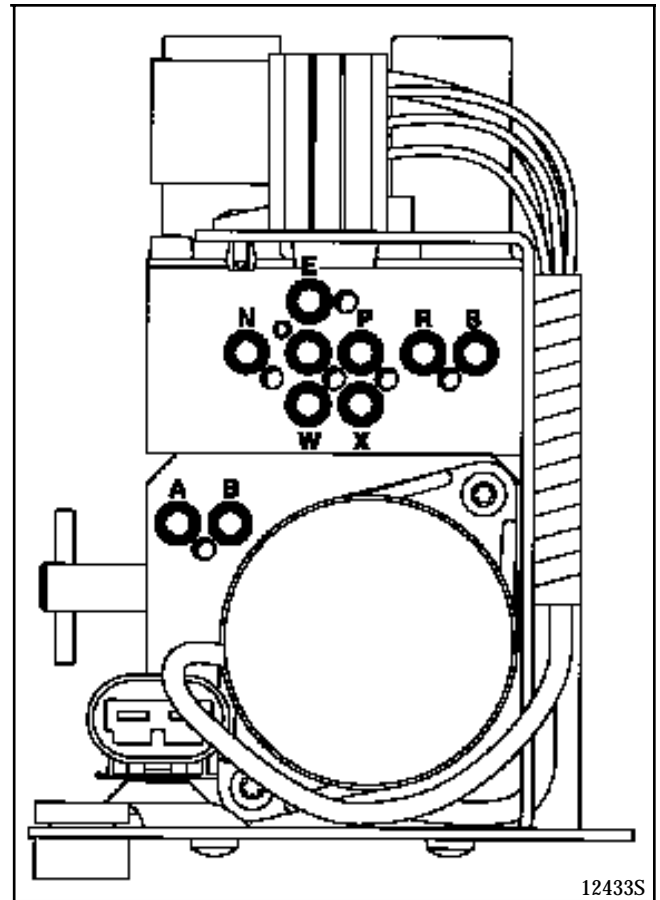
Coat the O-ring with hydraulic oil (change it if necessary).

**NOTE:** the hydraulic pipes are supplied in pairs and are marked with letters at the unions.



12486S

Diagram of fitting of pipes at the pump end



12433S

Insert the pie union into the corresponding opening.

Tighten the bolts to a torque of 7 N.m.

## Hydraulic system (pipes)

Diagram of fitting of pipes at the ram end

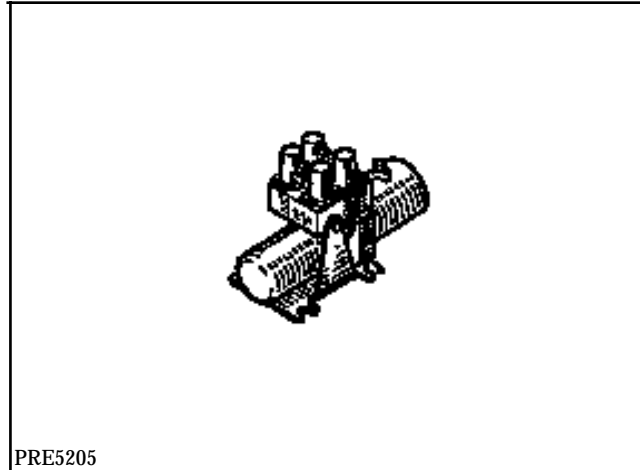
Pipe	Piston rod	Piston base end	Rams
E		X	Hood cover
N	X		Hood cover
A		X	Left-hand main ram
W	X		Left-hand main ram
B		X	Right-hand main ram
X	X		Right-hand main ram
R		X	Left-hand rear roof arch
P	X		Left-hand rear roof arch
S		X	Right-hand rear roof arch
O	X		Right-hand rear roof arch

Tighten the pipe unions to a torque of **15 N.m**.

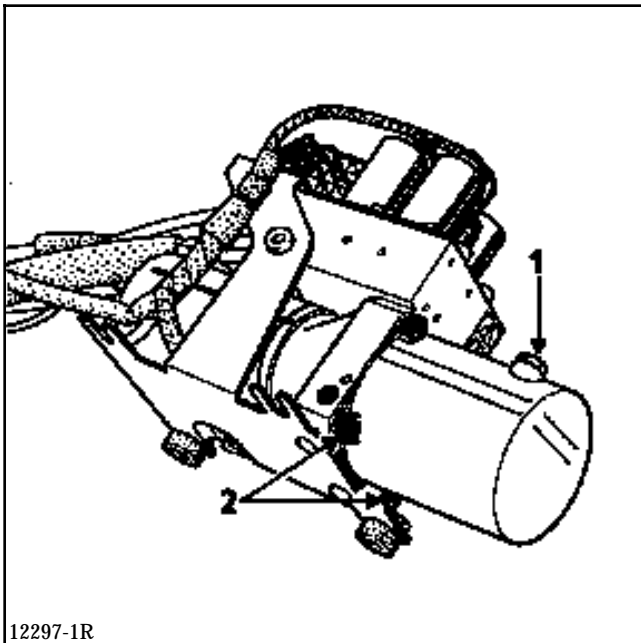
Refit the pump bracket.

Clip the solenoid valve control connectors (1) and the pump wiring.

## Hydraulic system reservoir



## REMOVAL



Remove:

- the filler bolt (1) and drain,
- the reservoir mounting bolts (2).

## REFITTING

Coat the O-ring with hydraulic oil.

Fit the seal in the oil reservoir groove.

Position the reservoir on the pump.

Tighten the bolts (2) to a torque of 7 N.m.

**IMPORTANT:** the hood must be closed when the hydraulic system is filled.

Fill the reservoir with ESSO UNIVIS J26 oil (capacity 0.75 l).

The oil level must be between the MINIMUM and MAXIMUM marks.

The hydraulic system is of the "AUTOMATIC BLEED" type. The oil level **MUST** be checked with the hood open, hood cover closed.

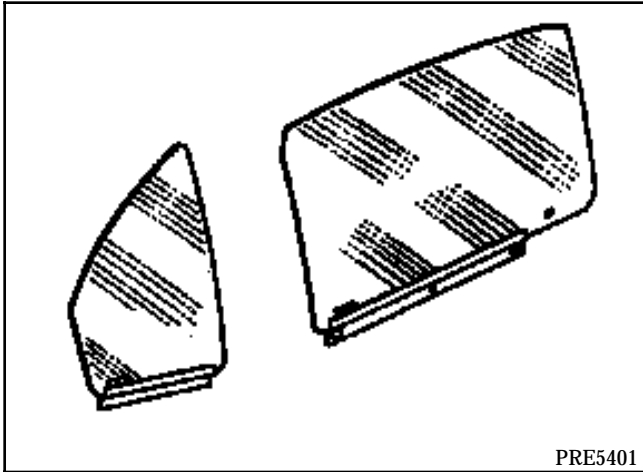
Check the oil level and top up if necessary.

Switch on the ignition, apply the handbrake.

Operate the hood switch.

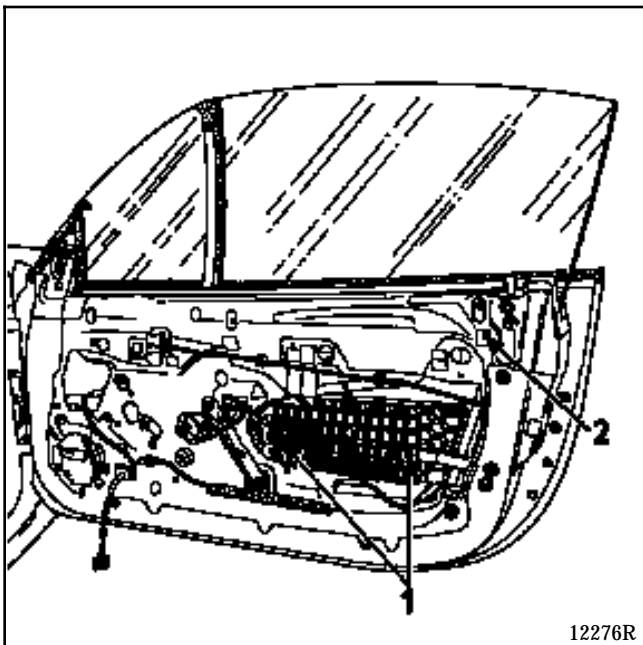
Open and close the hood several times.

The bleeding process is completed when movement is regular and without jolts with a constant level of pump noise.



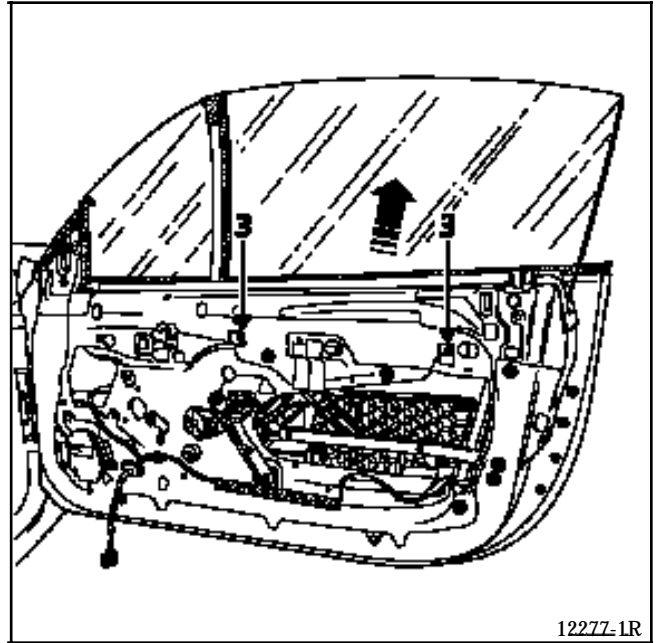
### REMOVAL

After removing the interior trim,



remove:

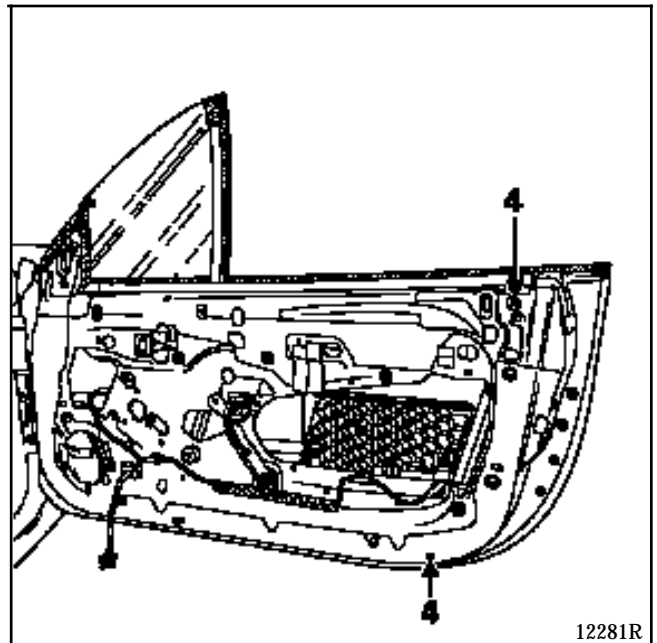
- the side impact bar bolts (1) ,
- the interior weatherstrip,
- the rear guide shoe bolt (2) ,



- the window mounting bolts (3).

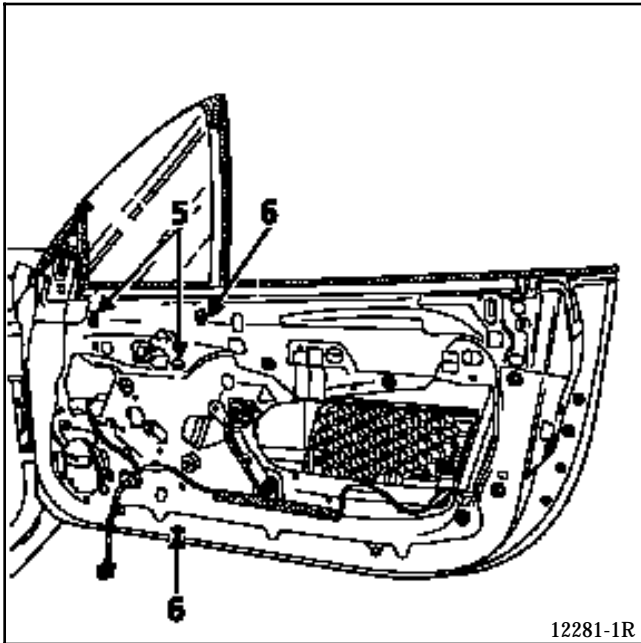
Tilt the window towards the rear and remove it.

### REMOVAL OF THE REAR SLIDER



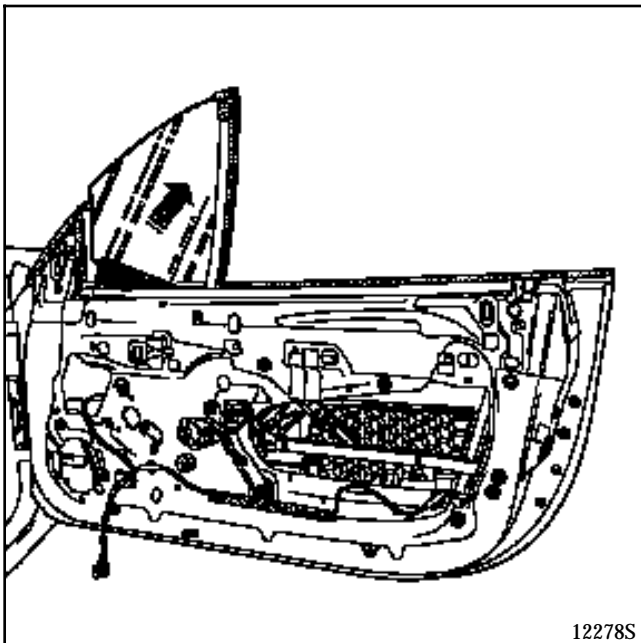
Remove the slider blanking piece and mountings (4).

### FIXED WINDOW



12281-1R

Remove the window mounting bolts (5) and the window pillar mounting bolts (6).



12278S

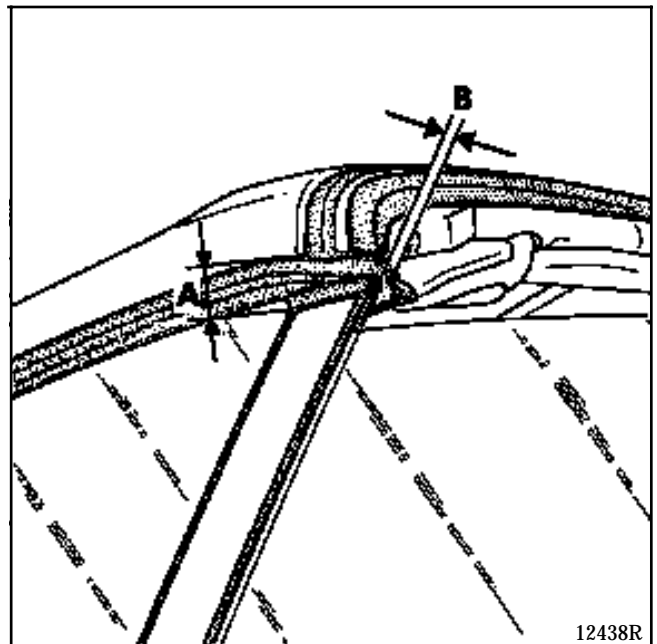
Tilt the assembly (window/pillar) and remove the window.

### ADJUSTING THE WINDOWS

The hood must be folded for the fixed window, two operators are required to adjust the movable window.

The door must be adjusted correctly and the upper movable window stops must be in the uppermost position.

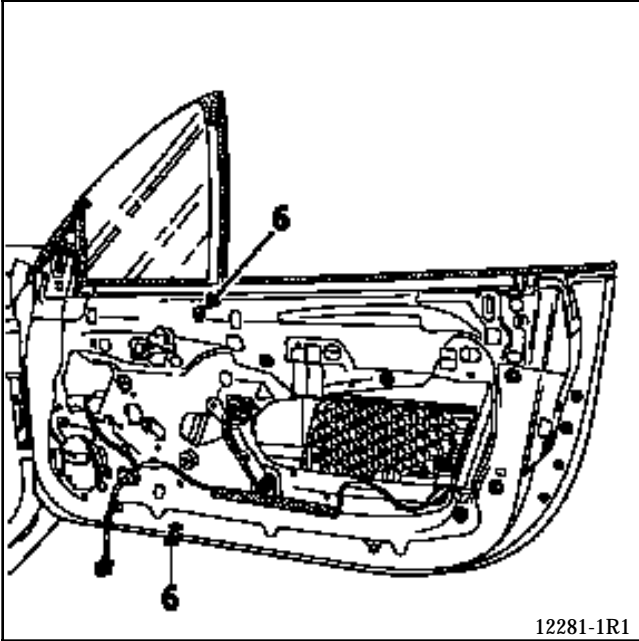
### FIXED WINDOW



12438R

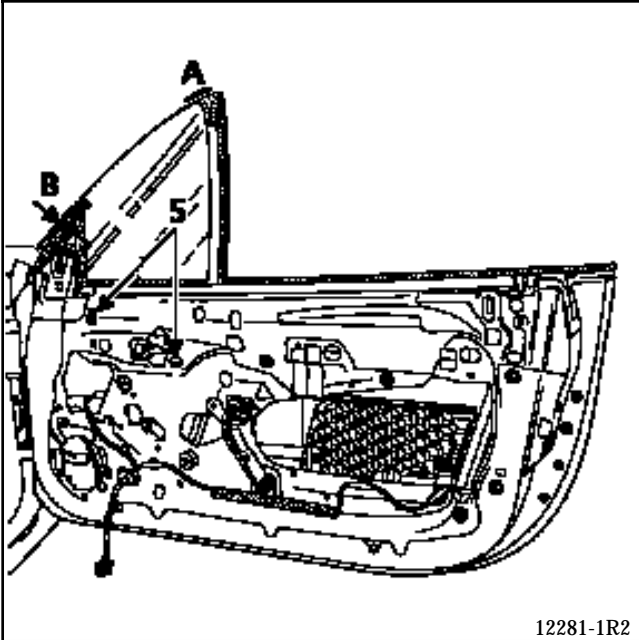
With the door closed (1<sup>st</sup> notch), position the pillar at dimension **A = 30 mm** high and **B = 6 mm** from the edge of the windscreen aperture seal.





Tighten the upper pillar bolt (6).

Open the door and tighten the lower pillar mounting (6).



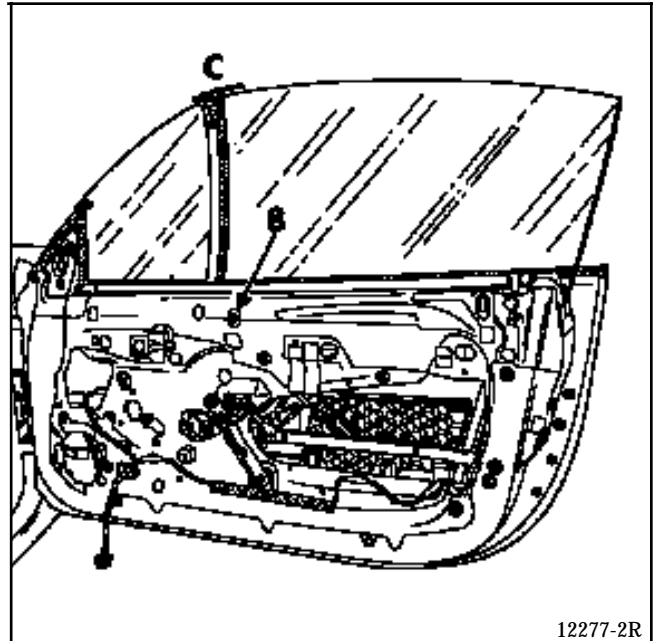
Position the fixed window fully in the pillar groove.

Fit the window flush with the pillar seal (A) and with a protrusion (B = 1 mm) with the exterior mirror seal.

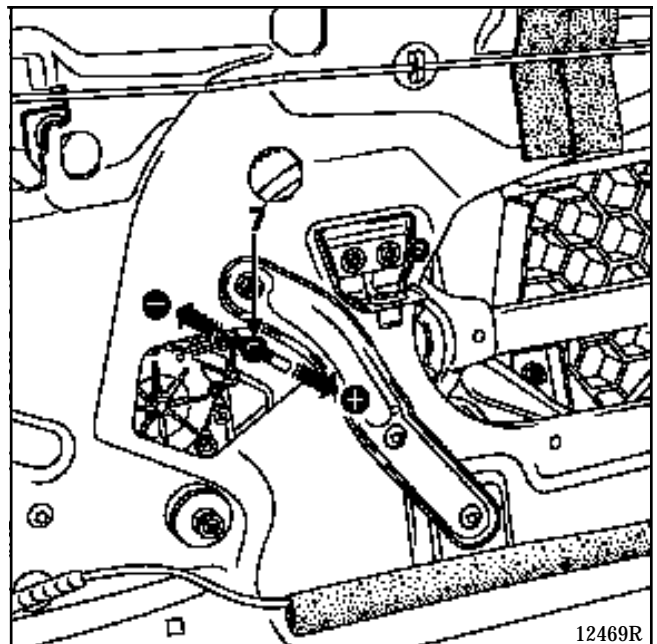
Tighten the mounting bolts (5).

Tightening torque of all mounting bolts 8 N.m.

### MOVABLE WINDOW



12277-2R



12469R

Fit the window flush with the fixed window pillar seal (C).

The height of the window is adjusted by moving the stop (7) of the window mechanism toothed wheel.

# GLAZING

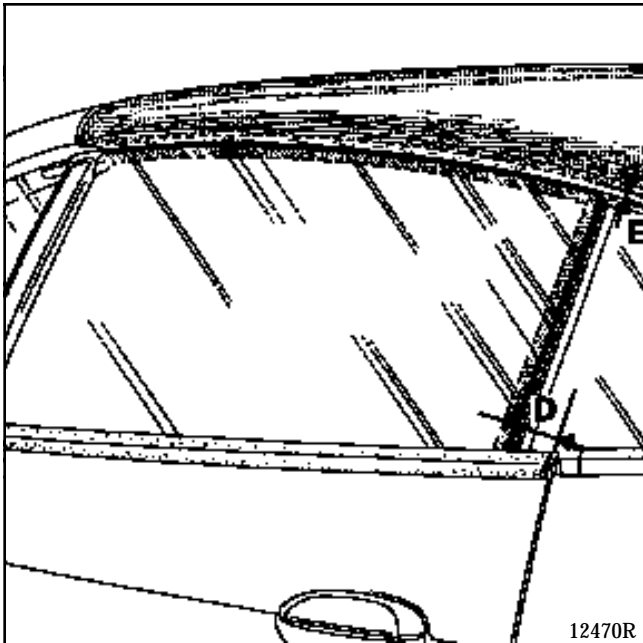
## Front door window

54

Place the front upper stop (8) in contact with the lower window pad and tighten it.

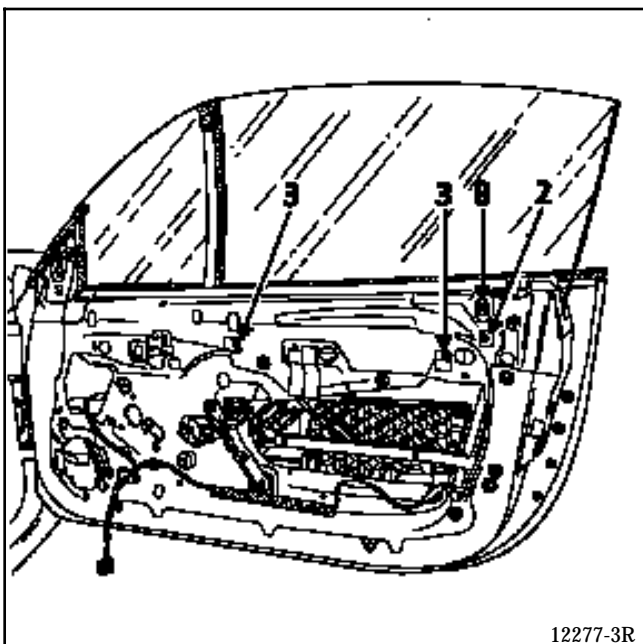
Close and lock the hood.

Close the door.



Position the window at the dimensions:  
**D = 55 mm** (window/weatherstrip)  
**E = 10 mm** (window/frame)

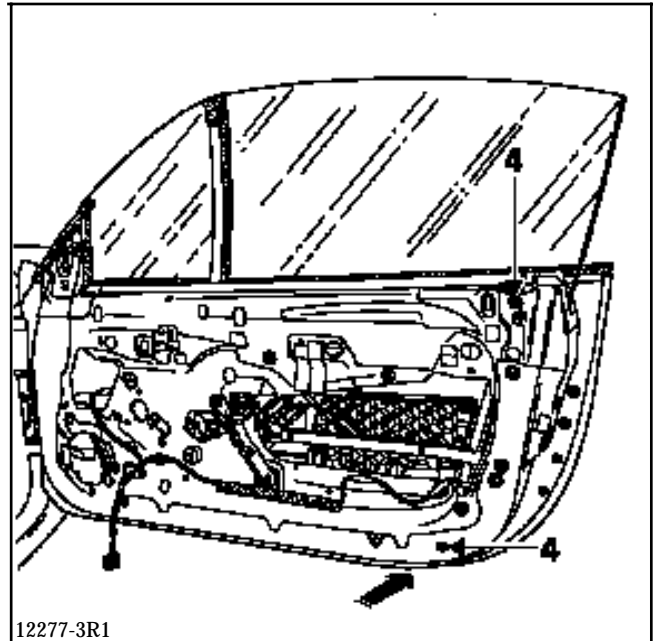
Visually check that the window is aligned with the hood seals.



Place the rear upper stop (8) in contact with the lower window pad and tighten it.

Tighten the rear guide shoe bolt (2).

Tighten the window mounting bolts (3).



Tighten the rear slider bolt (4).

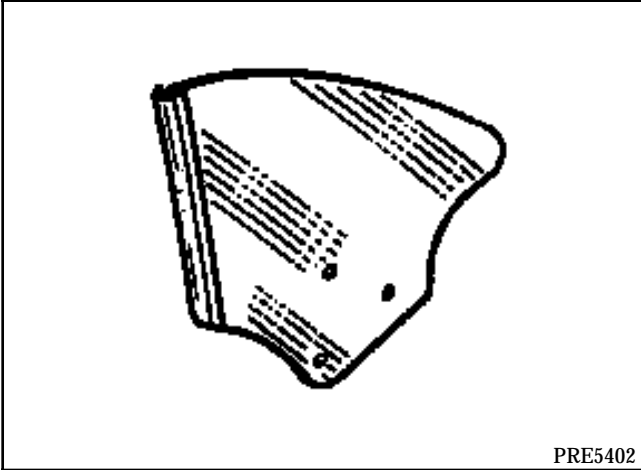
Open the door.

Push the rear slider gently towards the exterior of the door.

Tighten the nut (4).

Open and close the window several times. Check that the window is positioned correctly (aligned) in relation to the hood seals.

Tightening torque of all mounting bolts **8 N.m.**

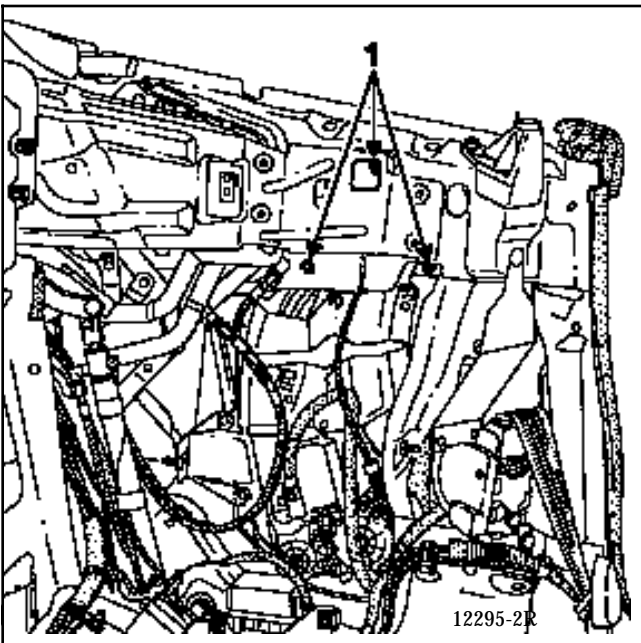


PRE5402

### REMOVAL

After removing the seat, rear bench seat backrest, interior trim, remove:

- the weatherstrip and the sealing felt,



12295-2R

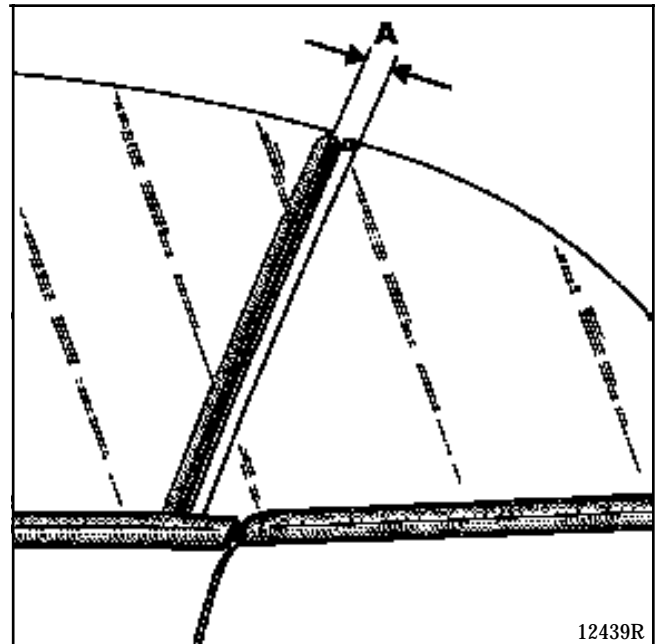
- the mounting nuts (1).

Open the window by approximately **10 cm**.

Remove the window.

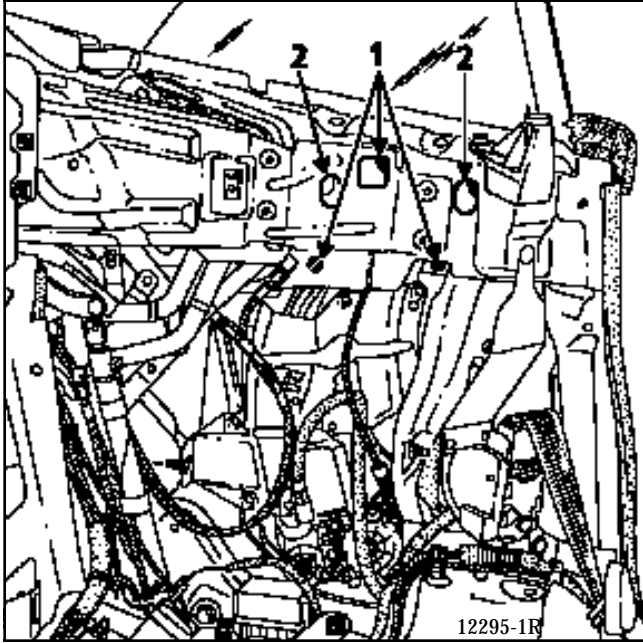
### ADJUSTMENT

The hood must be open, the movable door window must be closed and correctly adjusted with the window weatherstrip in place.



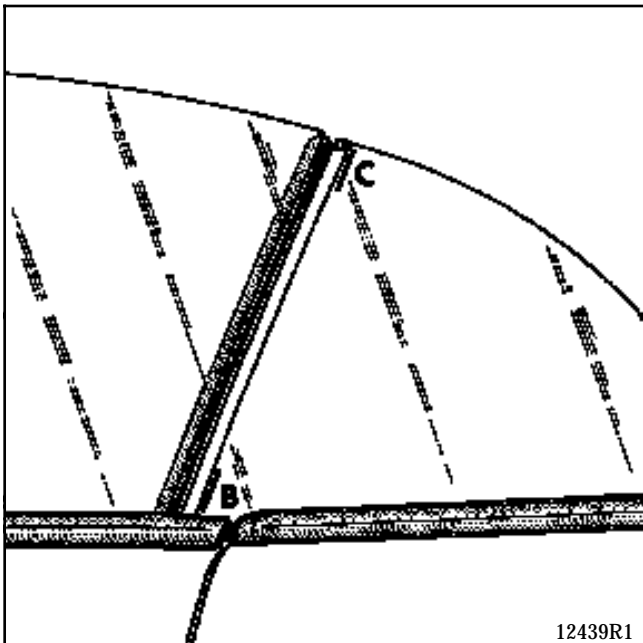
12439R

Position the quarter light at a distance of **A = 20 mm** between the door window and the seal retaining rail.



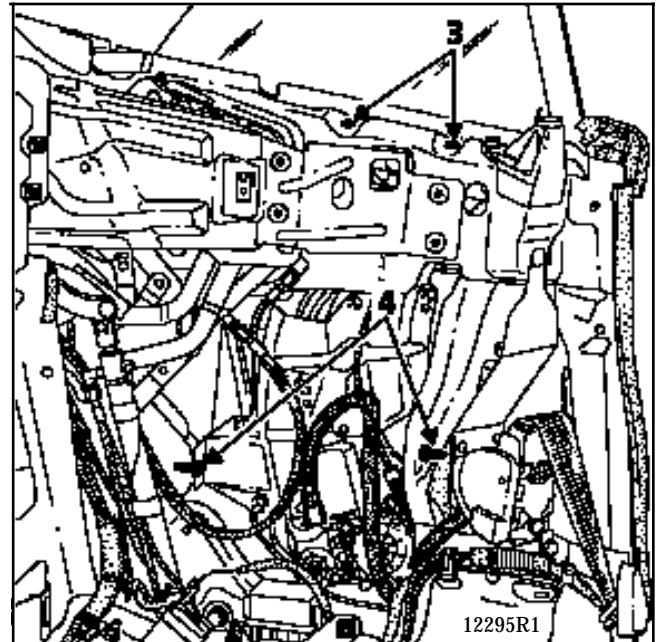
Make flush the line: quarter light/movable door window (adjustment is by the stops (2)).

Tighten the window mounting bolts (1).



Place the quarter light seal in contact with the door window at the bottom (B).

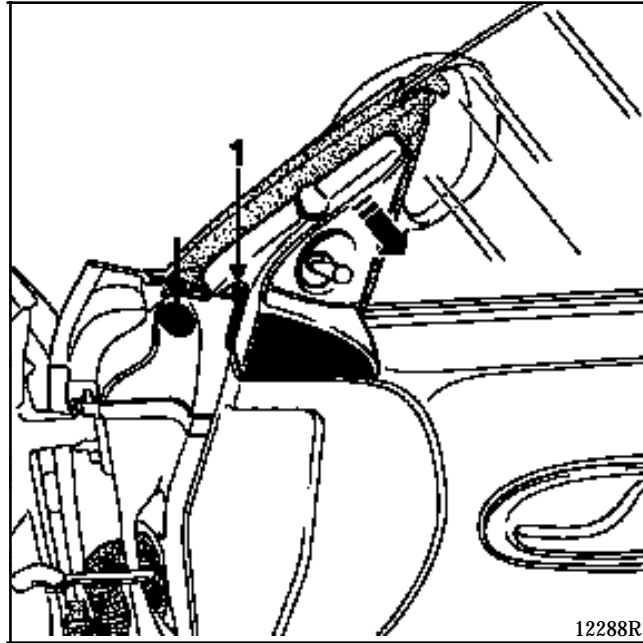
Tighten the upper mounting bolts (3).



Open the door to the 1<sup>st</sup> notch, place the quarter light seal in contact with the door window at the top (C).

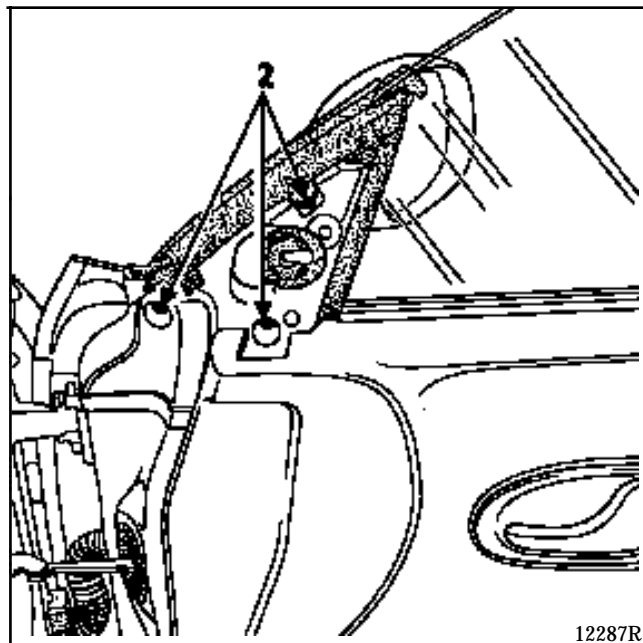
Tighten the lower mounting bolts (4).

Tightening torque of all mounting bolts **8 N.m.**

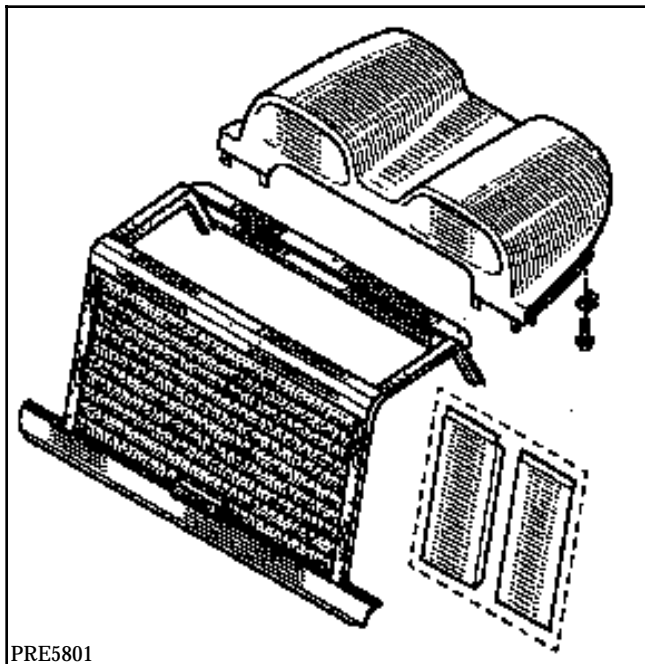


Remove:

- the bolt (1), the cover and the blanking piece.

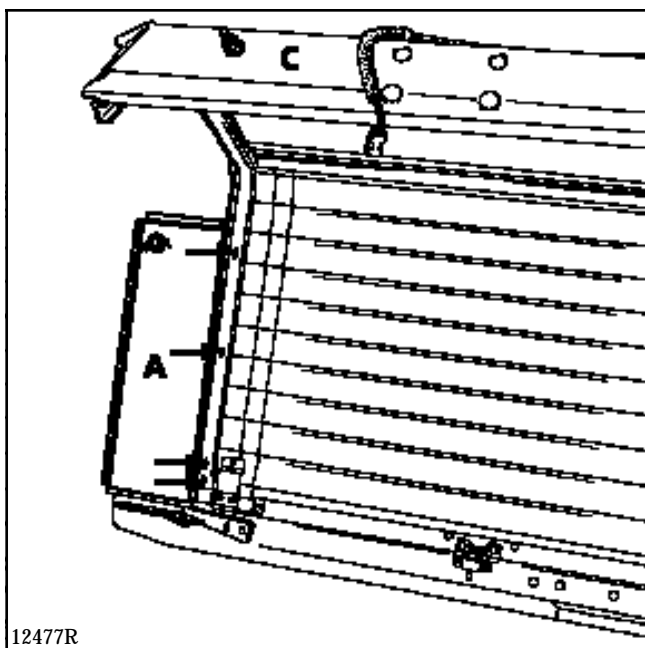


- the mounting nuts (2).



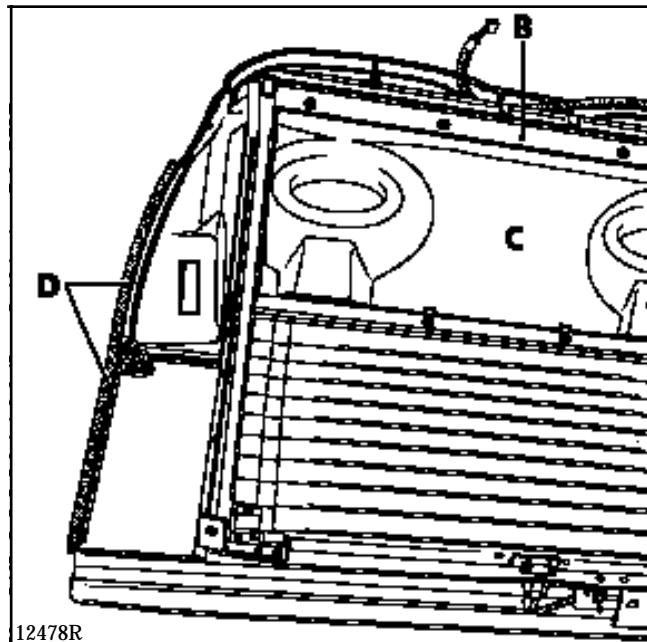
PRE5801

### ASSEMBLY



12477R

Position the side panels (A) on the frame (B) and secure them using bolts (HEX M4×8).



12478R

### Fit:

- the clamps to the cover (C),
- the compartment cover to the frame (B) and secure it using bolts (HEX M5×12).

Degrease the foam strip (D) positioning grooves (heptane surface cleaner).

Glue the strips.



With the hood folded and the hood cover open, remove:

- the mounting nuts,



- the bench seat cushion mounting bolts,
- the cushion.

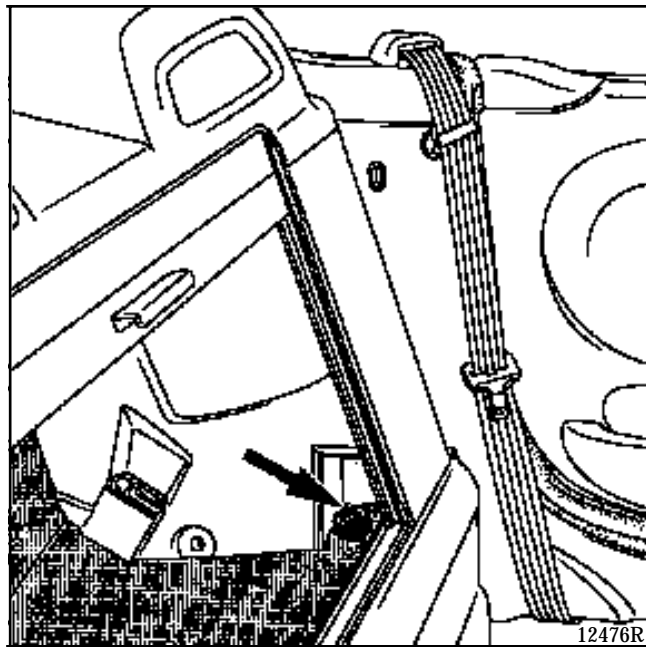
Unclip the seat belts.

Remove the bench seat backrest.

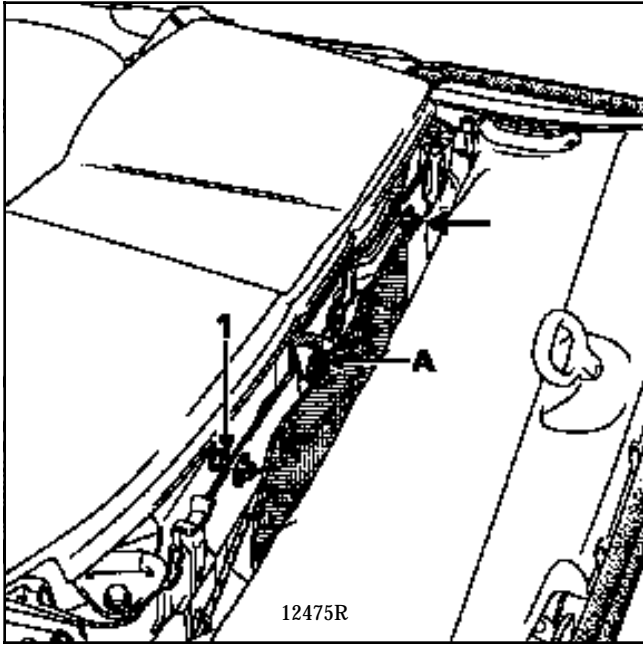
Clip the seat belt.

Fit:

- the carpet
- the road box (2 people).



Secure it using the milled bolts and the crossed nuts.



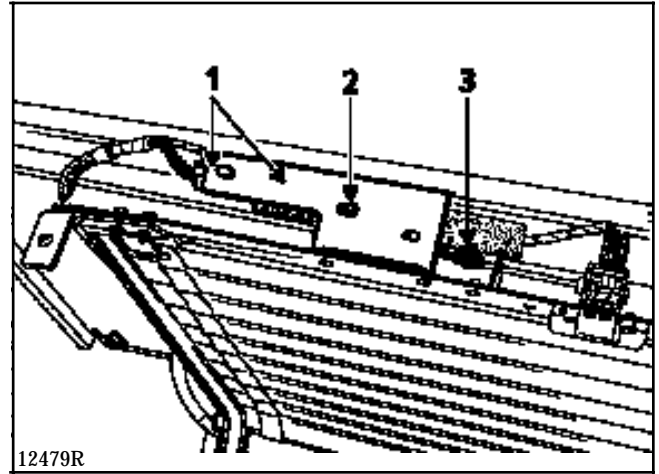
Close the hood cover.

Check the clearance (**5 mm**) between the compartment and the hood cover.

If necessary, adjust the clearance using the nut (1).

Connect the electrical wiring (A).

### CHANGING THE BLIND LOCKING MOTOR



After removing the road box, disconnect the motor harness (1).

Detach the locking rod (2).

Remove the mounting bolt (3).