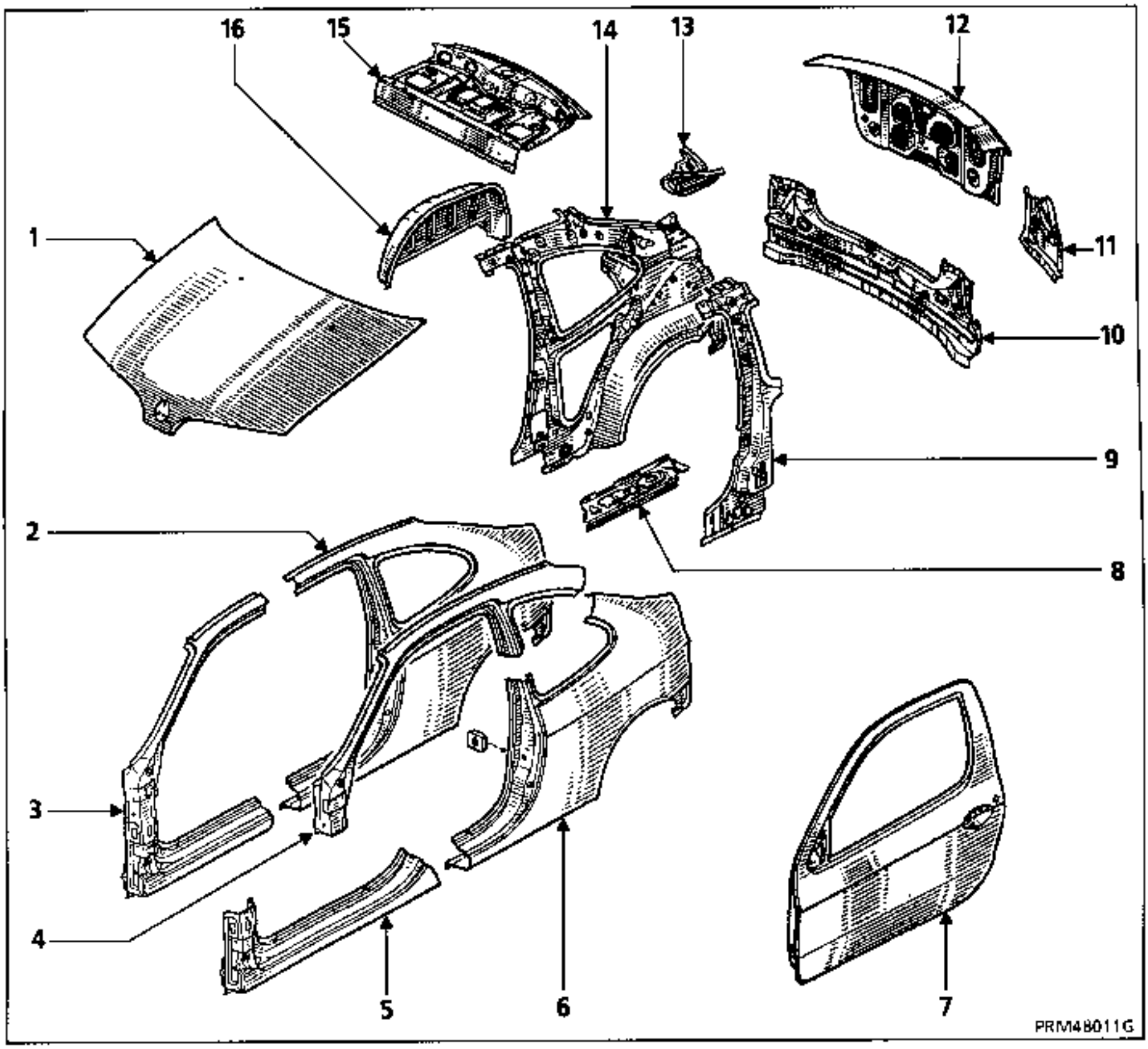
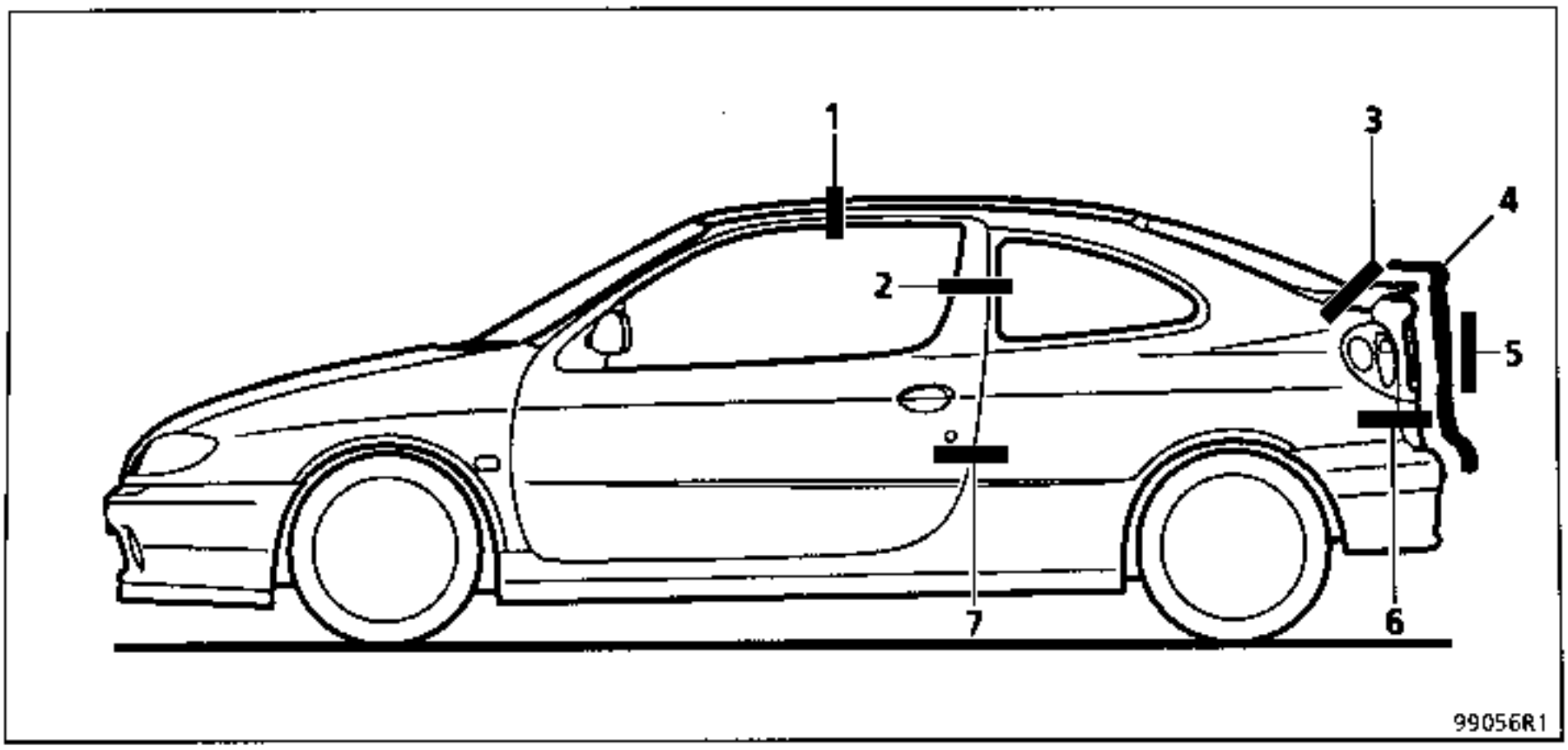
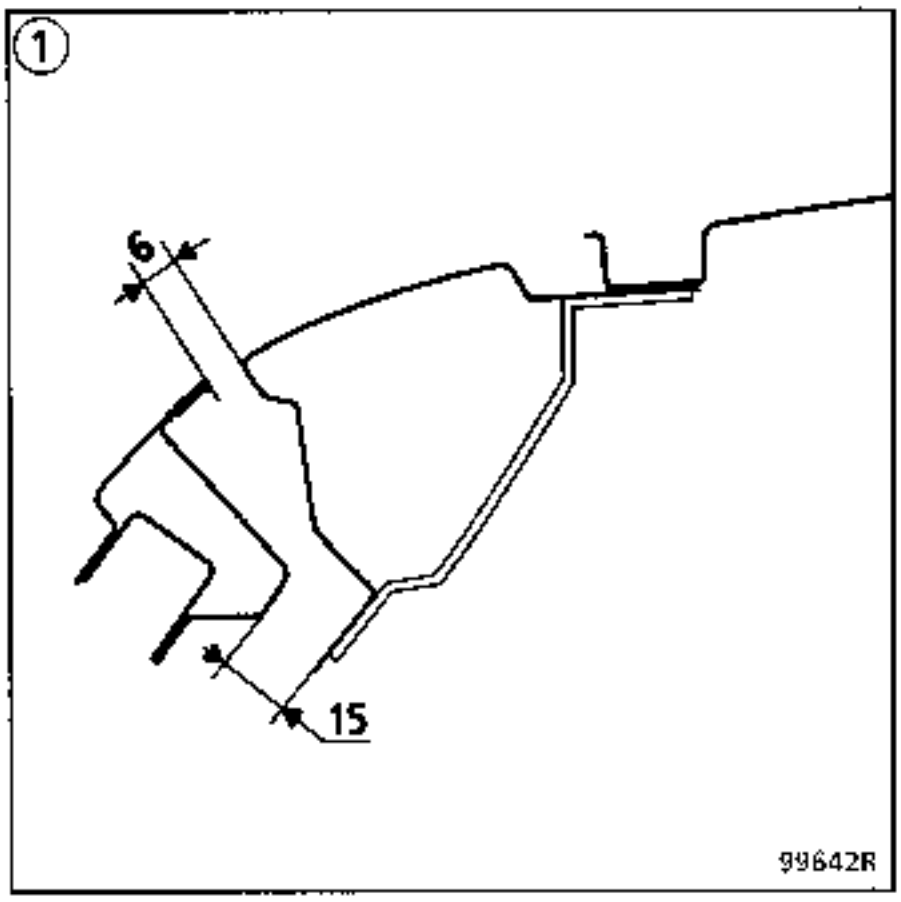


1 Bonnet
2 Body side, rear section
3 Front pillar
4 Top of body
5 Sill panel
6 Rear wing panel
7 Door
8 Sill panel horizontal partition
9 Door pillar reinforcement
10 Rear end panel assembly
11 Lights mounting panel
12 Boot Lid
13 Wing panel rain channel
14 Body side rear lining
15 Centre rear shelf
16 Interior wheel arch



①



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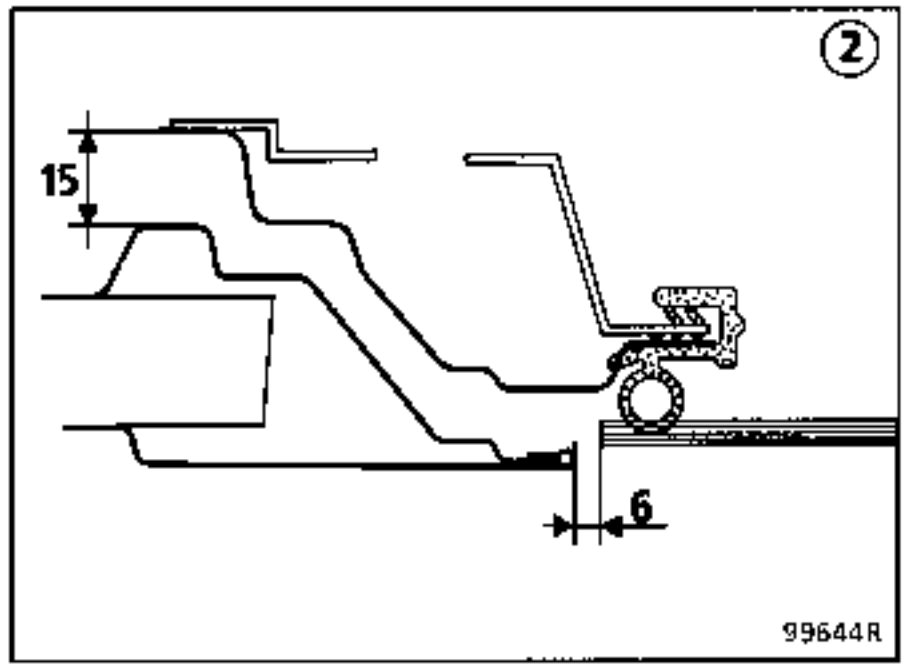
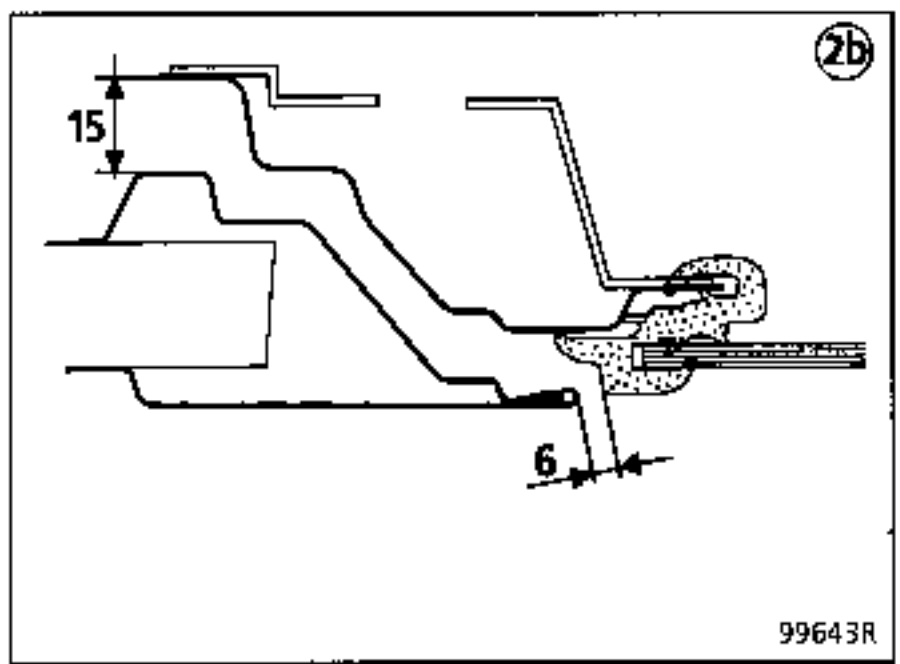
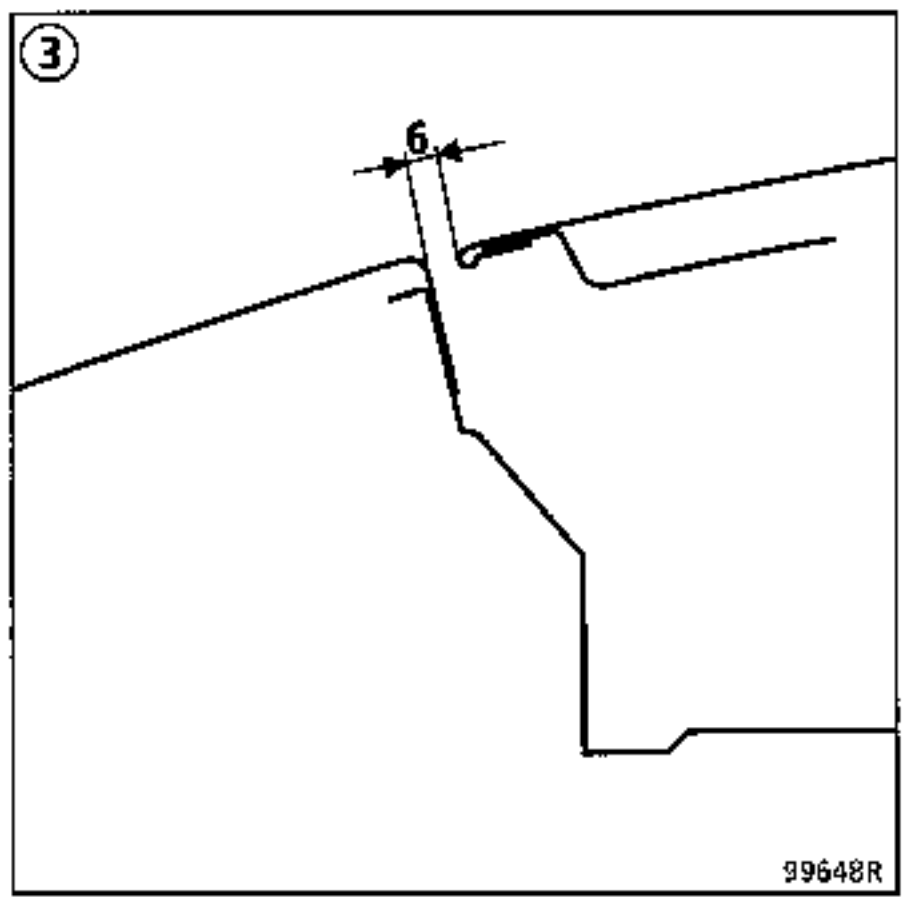
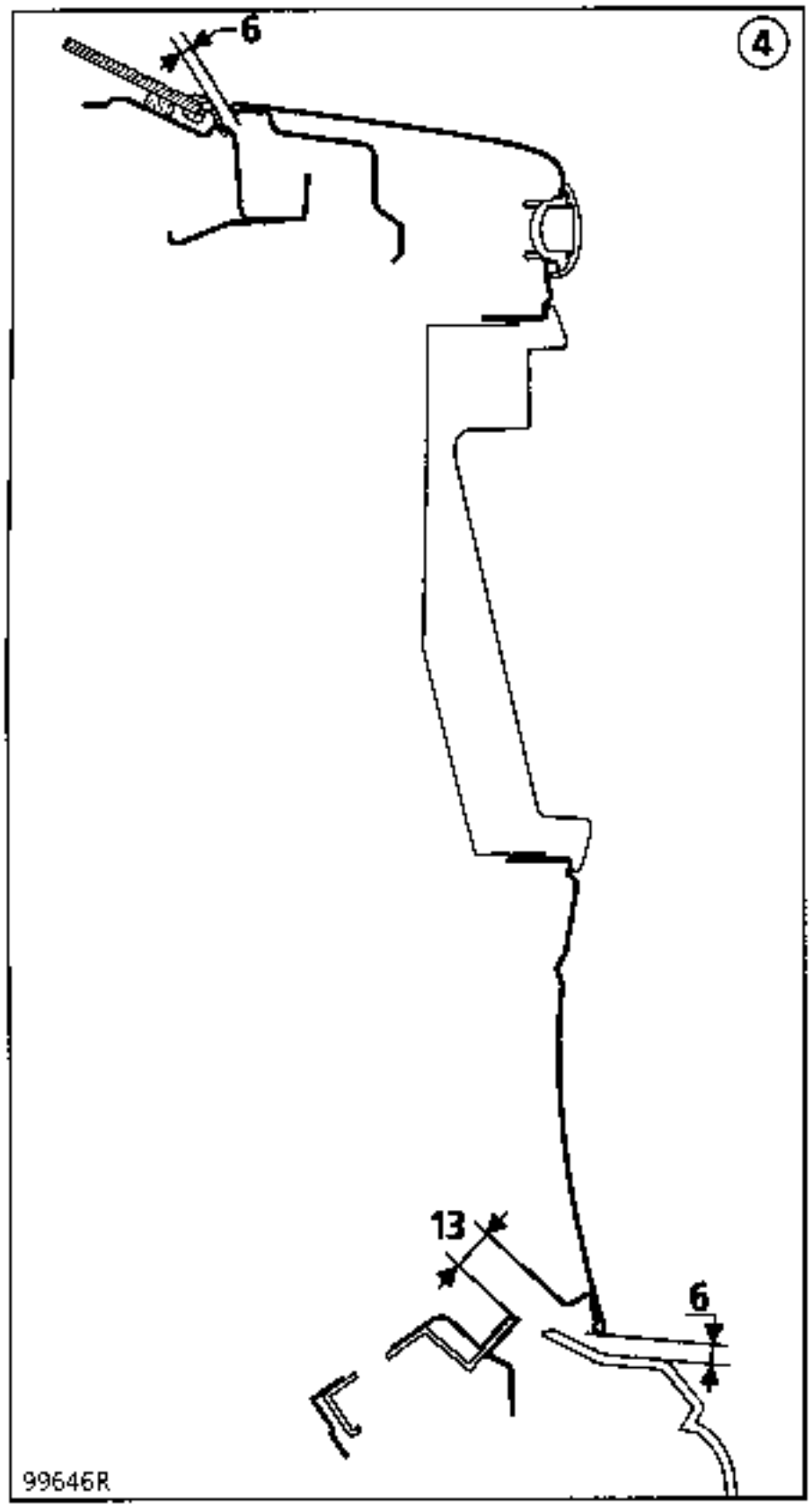


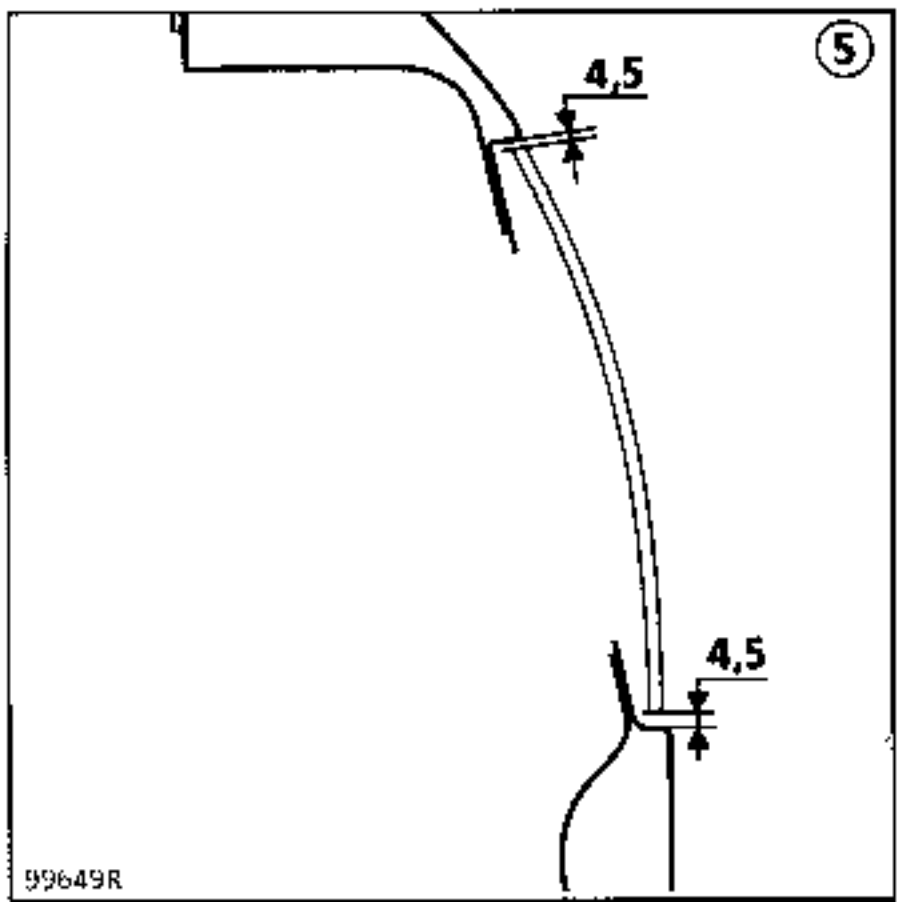
2b



③




4
6
13
6
99646R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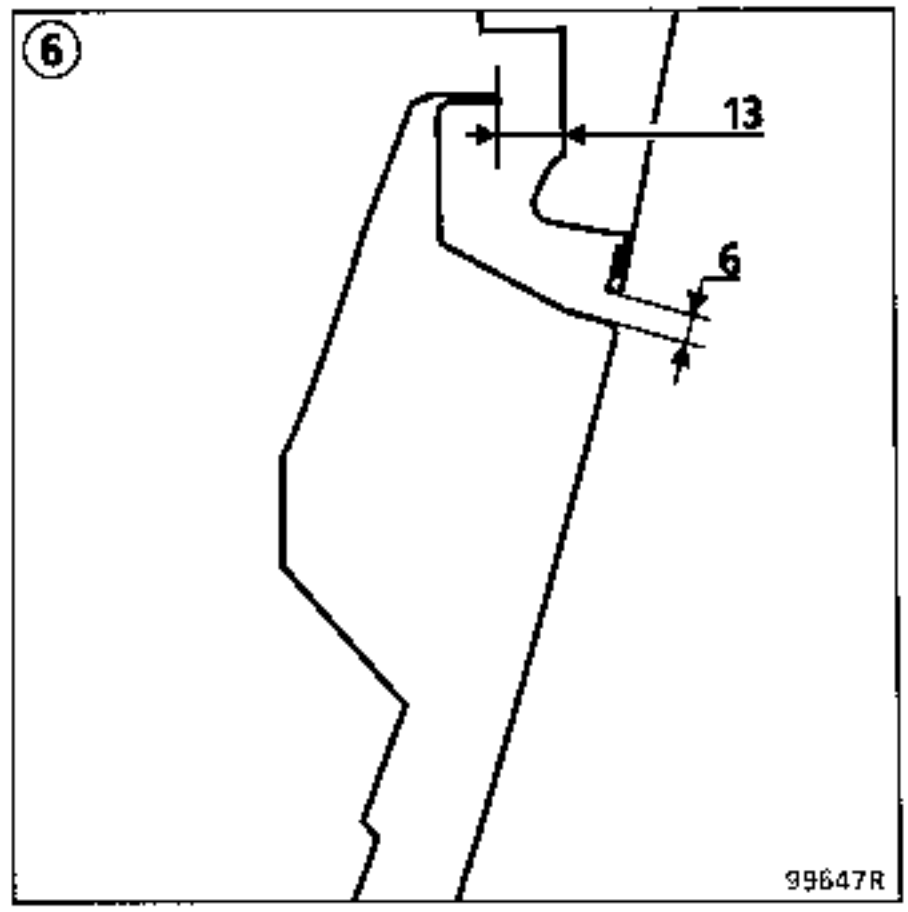
4,5
4,5
99649R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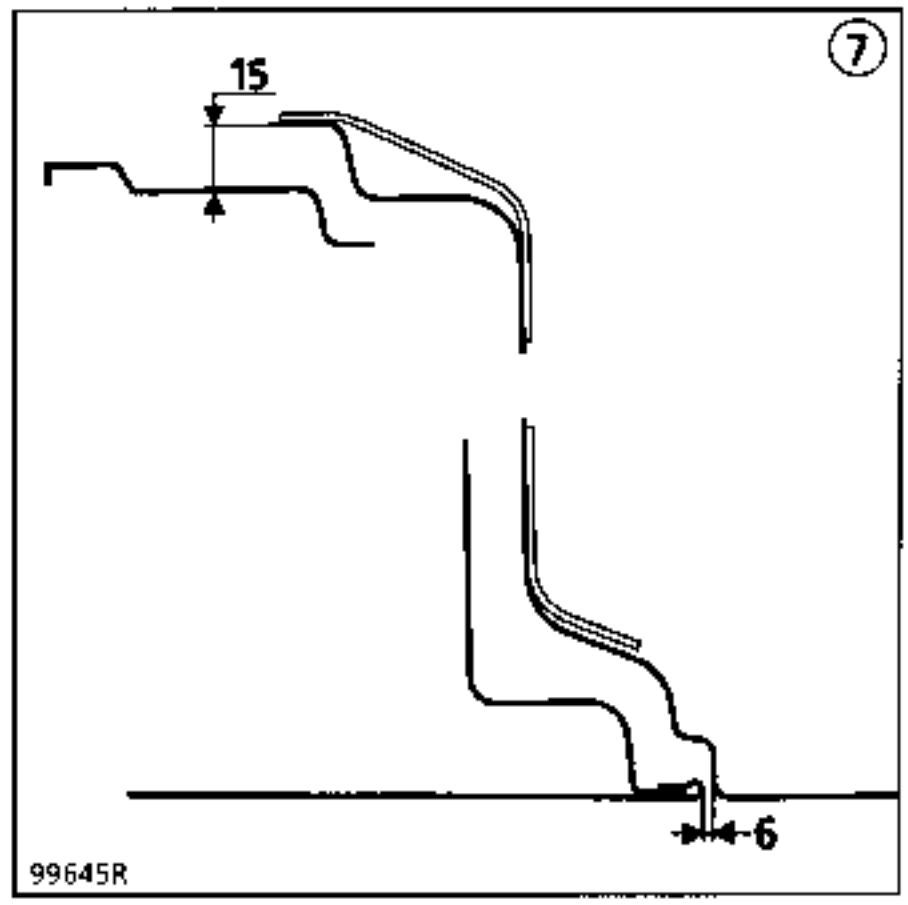
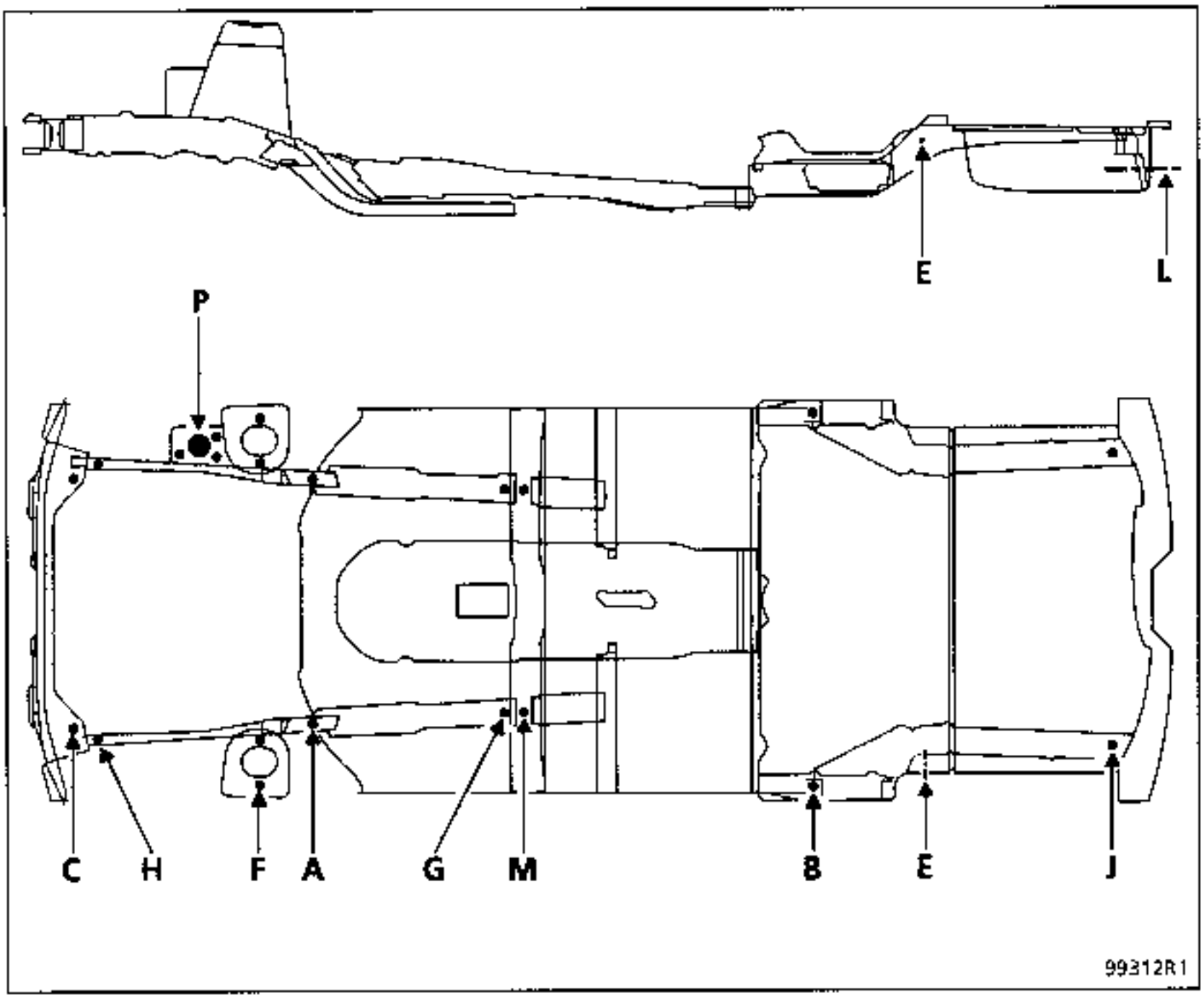
13
6
99647R


7
15
6
99645R

	DESIGNATION	X	Y	Z	DIAMETER	ANGLE
A	Front sub-frame rear mounting	203	402,5	71	M 12	0
B	Rear axle assembly front mounting	1966	634,12	70	M 12	0
C	Front sub-frame front mounting	- 593	412	237,5	M 10	0
E	Rear shock absorber mounting	2194	503,2 (65)	259	M 14	y: 90°
F	Front shock absorber mounting (interior)	15,7	477,8	636,7	8,5	x: 3°45 ; y: 7°
	Front shock absorber mounting (exterior)	5,5	610,8	654,2	8,5	x: 3°45 ; y: 7°
G	Rear end of front side member	880	369	7	18,5	x: 1°
H	Front end of front side member	- 547,5	467,4	236,5	10,2 x 12,2	0
J	Rear end of left hand rear side member	2826	484,6	231	12,2	0
	Rear end of right hand rear side member	2788	483	231	14,5	0
L	Left hand rear end cross member (rear end panel)	2937	394,5	170	14,25	x: 90° ; y: 10°15
	Right hand rear end cross member (rear end panel)	2916	397	170	14,25	x: 90° ; y: 12°30
M	Cross member under centre floor	937	375	1,5	14,5	0
P	Front engine mounting	247	483,5	514	M 10	0
	Rear engine mounting	113	483,5	514	M 10	0



INTRODUCTION

The centre floor for the D64 is identical to that for the B64 apart from the length. The part for the D64 may therefore be obtained from the part for the B64 by cutting the rear section by 112 mm as shown on the diagram below.

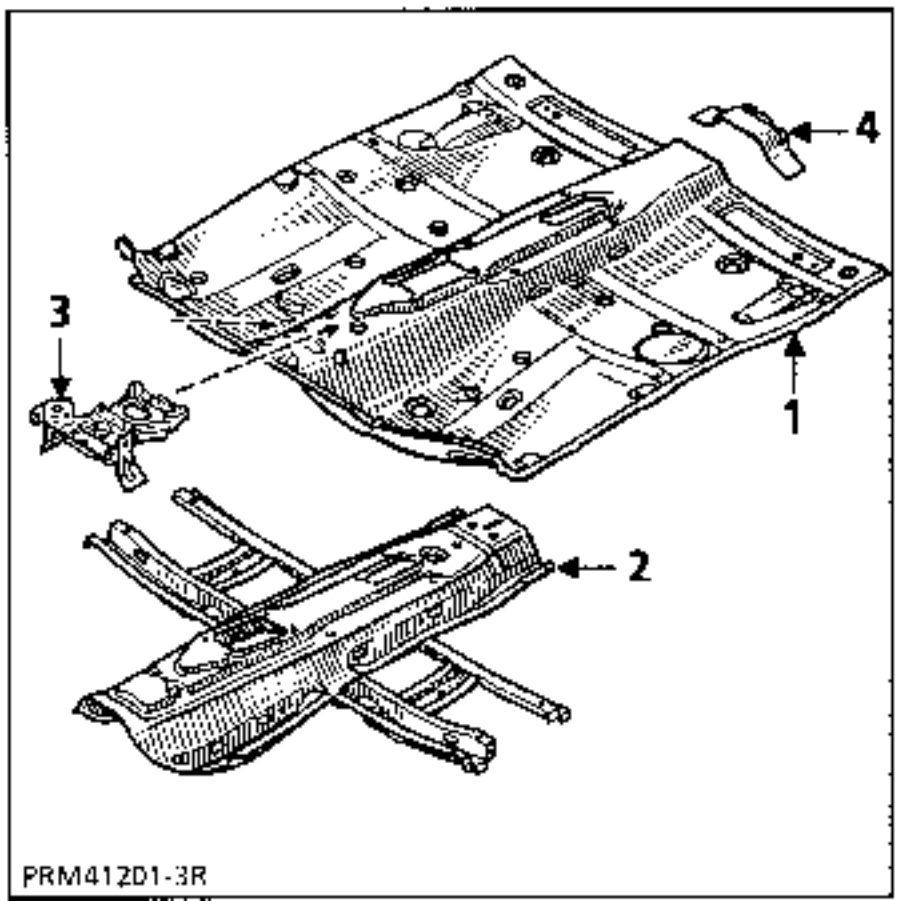
The replacement of this part is a basic operation for an impact under the vehicle when it has left the road.

This requires the following parts to be ordered:
- the tunnel reinforcement assembly
- the dashboard console mounting
- the cable sleeve stop

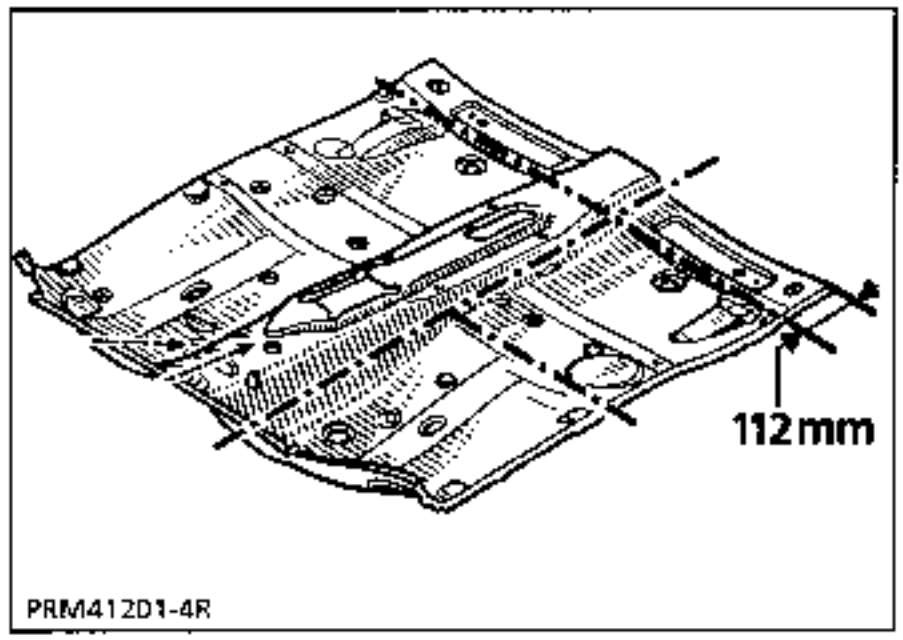
This part may be partially replaced according to the cutting lines defined in the following pages for a side impact, as a complementary operation to a sill panel or a front pillar.

COMPOSITION OF PART FROM PARTS DEPARTMENT

1 Centre floor
2 Tunnel reinforcement
3 Console mounting
4 Cable sleeve stop



PRM412D1-3R



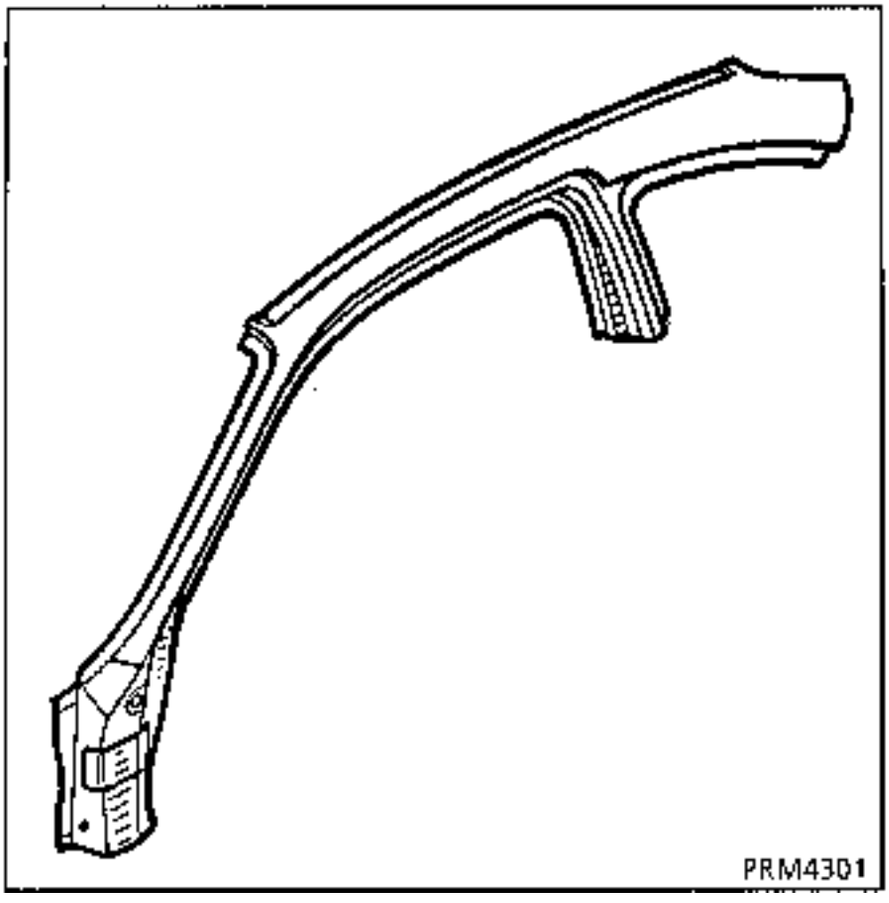
PRM412D1-4R

INTRODUCTION

The replacement of this part is a complementary operation to the replacement of the roof.

COMPOSITION OF PART FROM PARTS DEPARTMENT

Single part.

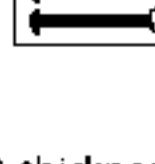


1 JOINT WITH WINDSCREEN PILLAR LINING

Thickness of panels concerned (mm)

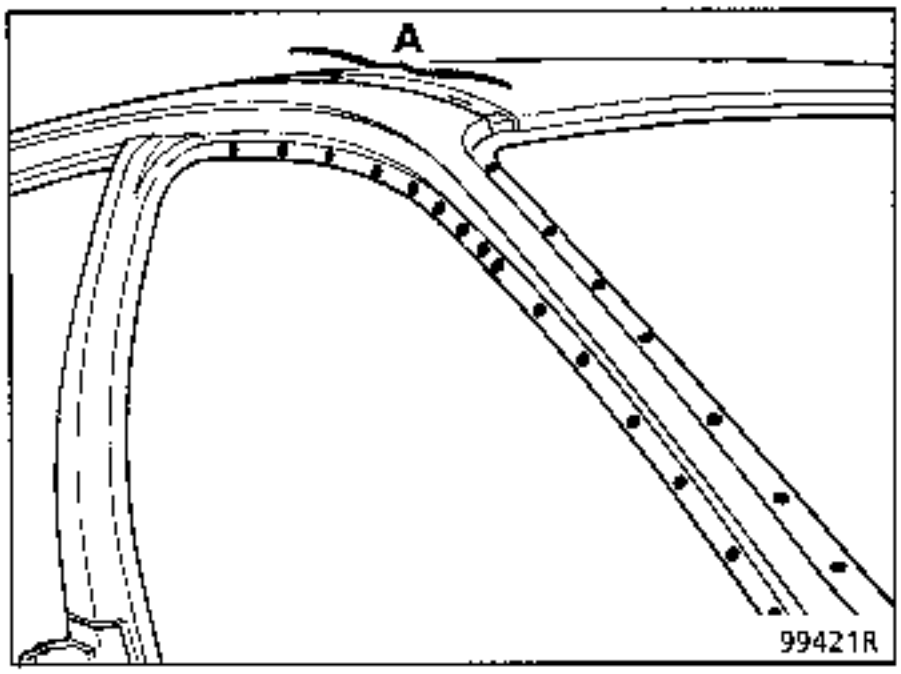
Windscreen pillar lining	0.8
Top of body	1.5
Front pillar	0.8

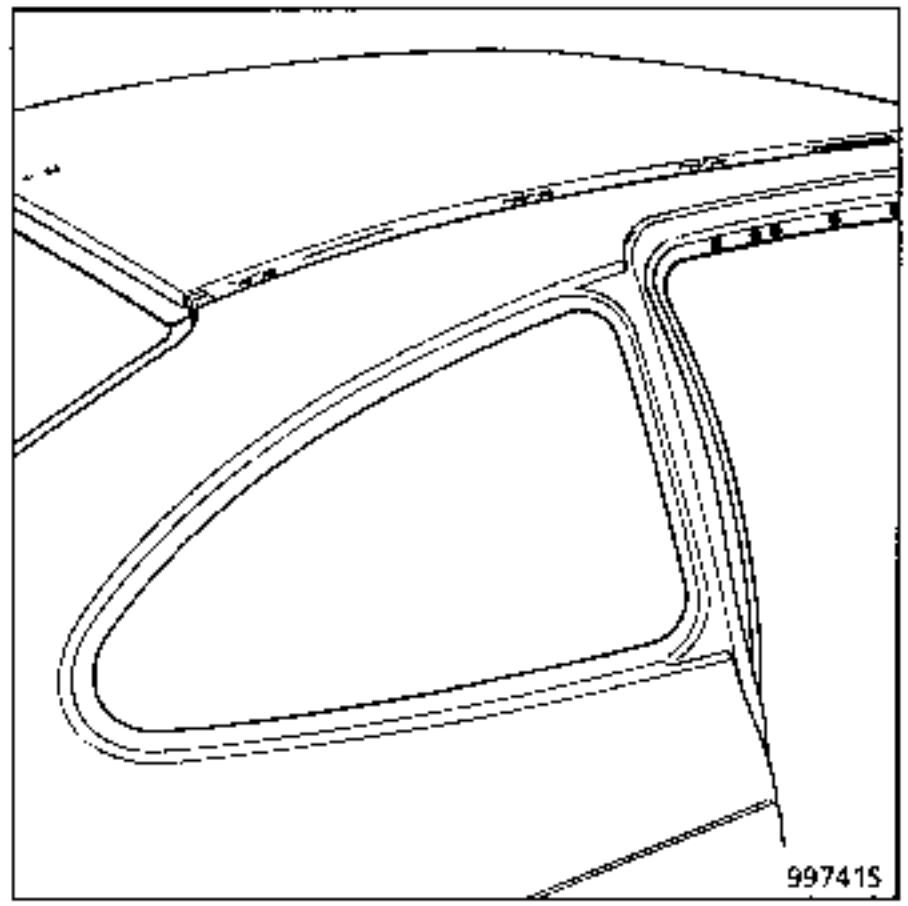
Unpicking



22 spot welds on thickness 0.8 mm

Welding





NOTE: at A, welds are on 3 thicknesses with the roof. They are not included in the operation.

2 JOINT WITH REAR QUARTER PANEL LINING

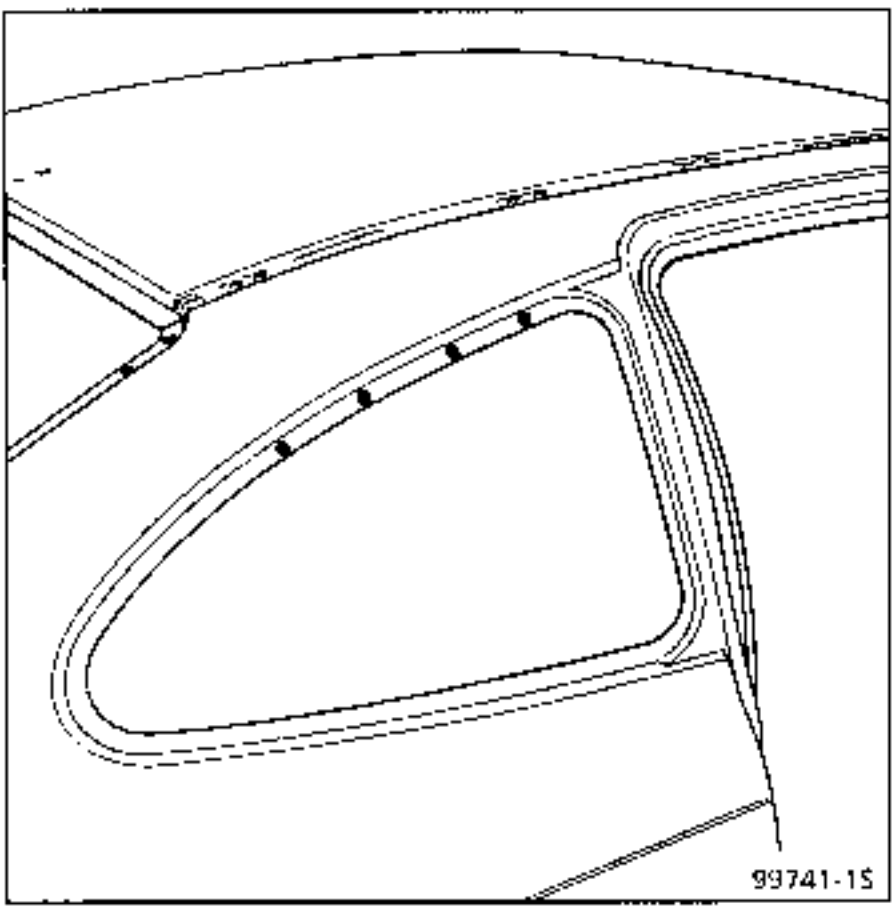
Thickness of panels concerned (mm)

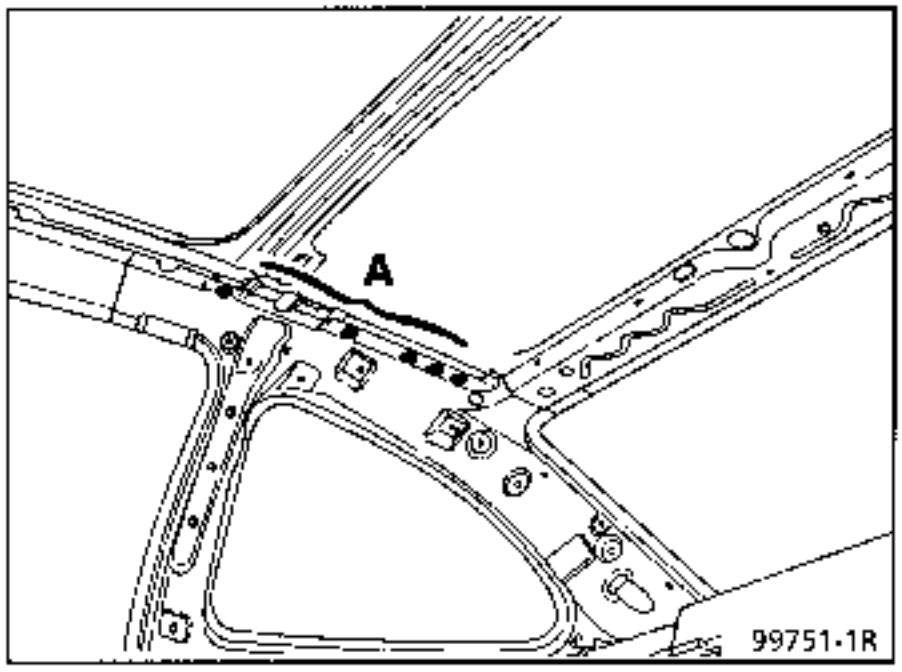
Rear quarter panel lining	0.7
Door pillar reinforcement	1
Top of body	0.8
Roof	0.7

Unpicking

5 spot welds on thickness 0.8

Welding





NOTE: at A, welds are on 3 thicknesses with the roof. They are not included in the operation.

3 JOINT WITH DOOR PILLAR REINFORCEMENT

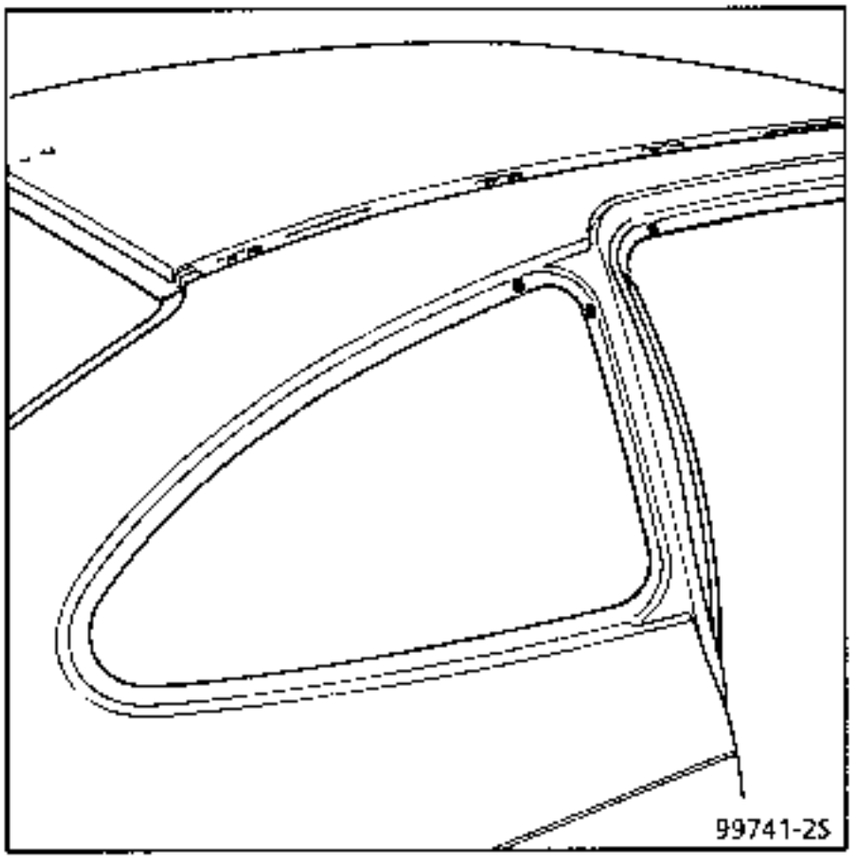
Thickness of panels concerned (mm)

Door pillar reinforcement	1
Top of body	0.8
Rear quarter panel lining	0.7

Unpicking

4 spot welds on thickness 0.8

Welding



NOTE : All welds are on 3 thicknesses.

4 JOINT WITH PART SECTIONS

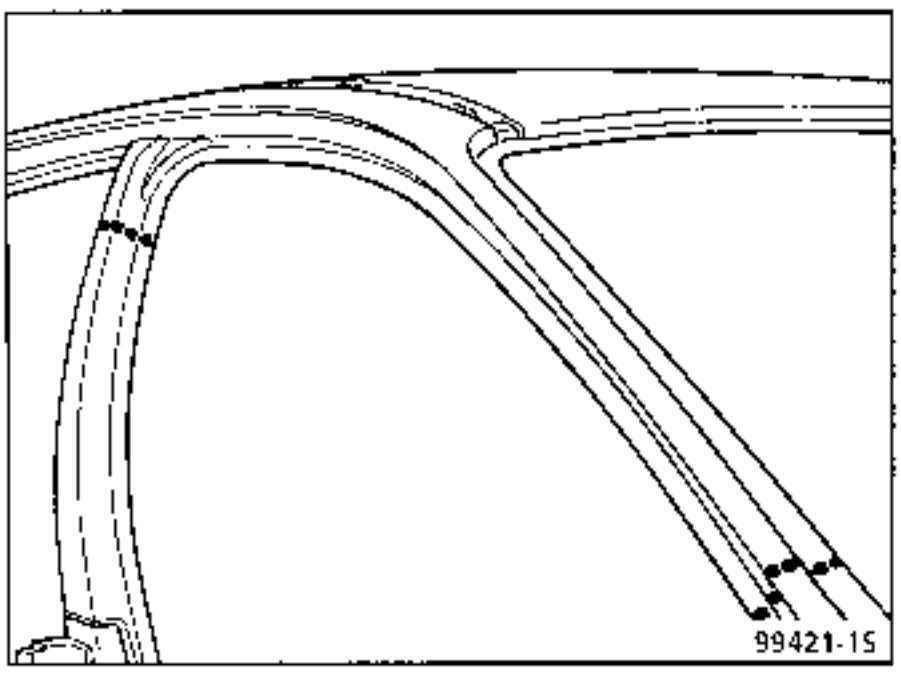
Thickness of panels concerned (mm)

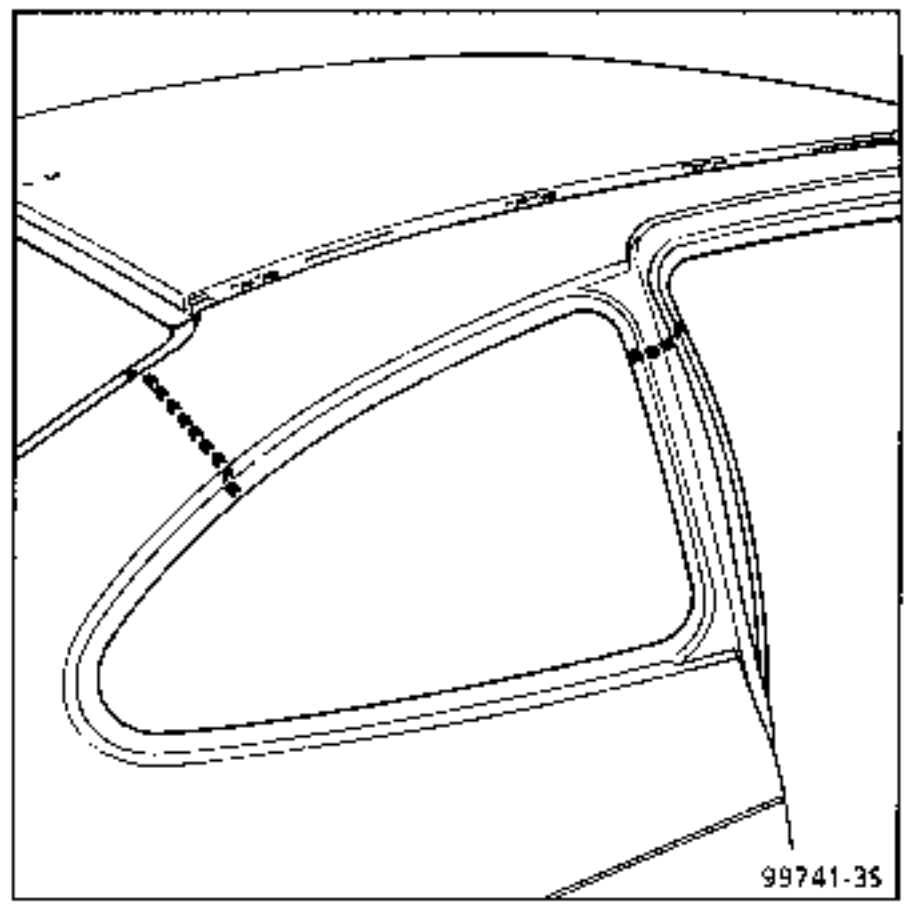
Top of body 0.8

Unpicking

100 mm x 2 + 200 mm on thickness 0.8

Welding



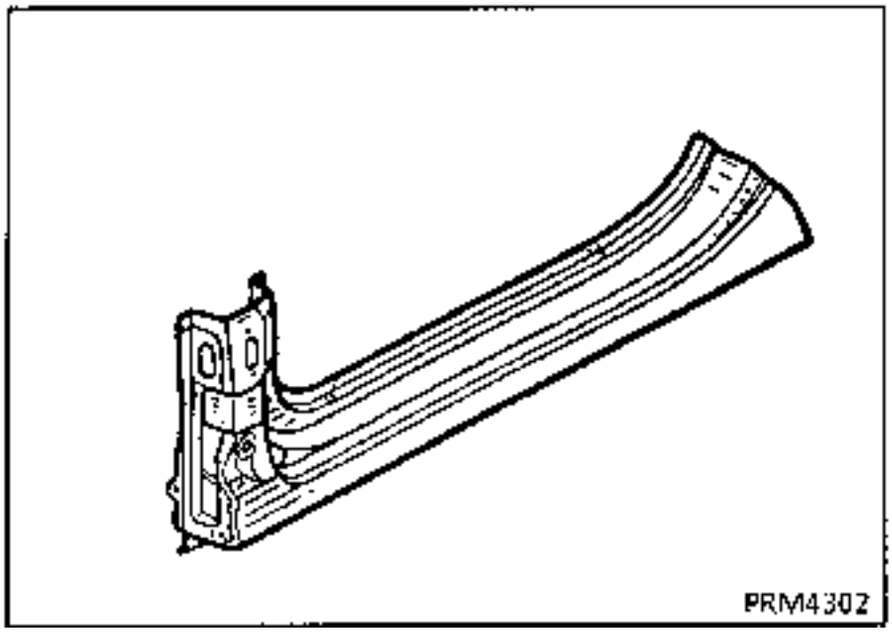


INTRODUCTION

The replacement of this part is a basic operation for a side impact.

COMPOSITION OF PART FROM PARTS DEPARTMENT

Single part.



1 JOINT WITH FRONT BLANKING COVER

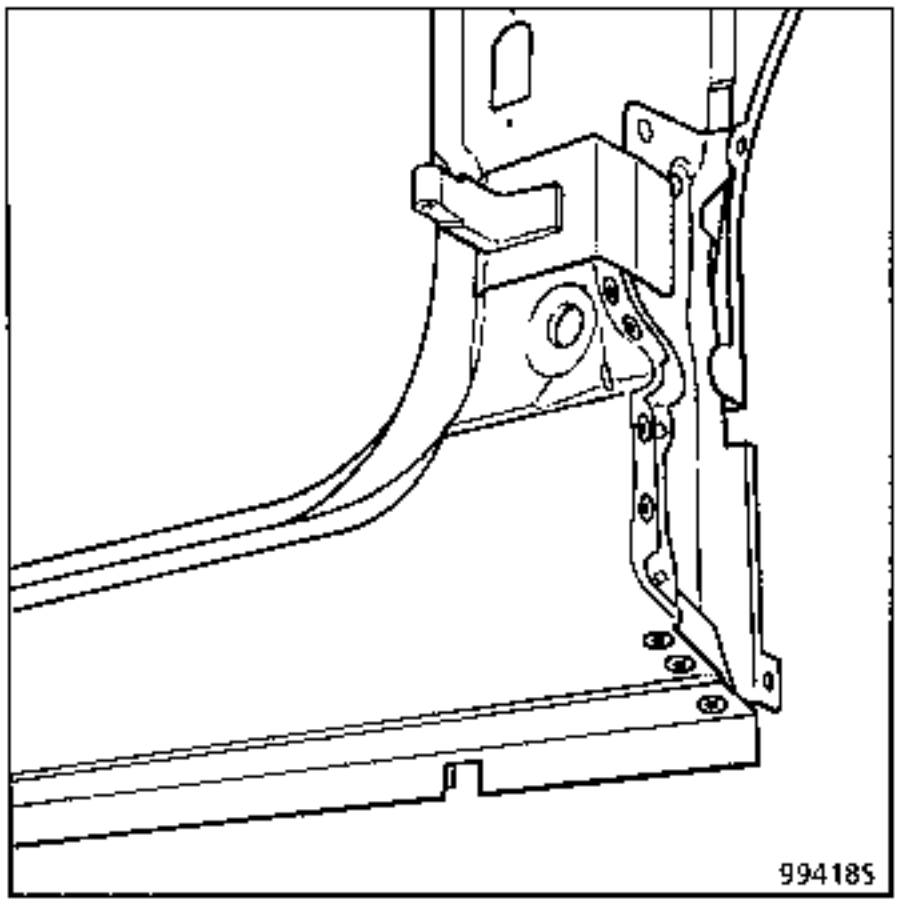
Thickness of panels concerned (mm)

Sill panel	0.8
Front blanking cover	0.8

Unpicking

8 spot welds on thickness 0.8

Welding



2 JOINT WITH FRONT PILLAR LINING (COWL SIDE PANEL)

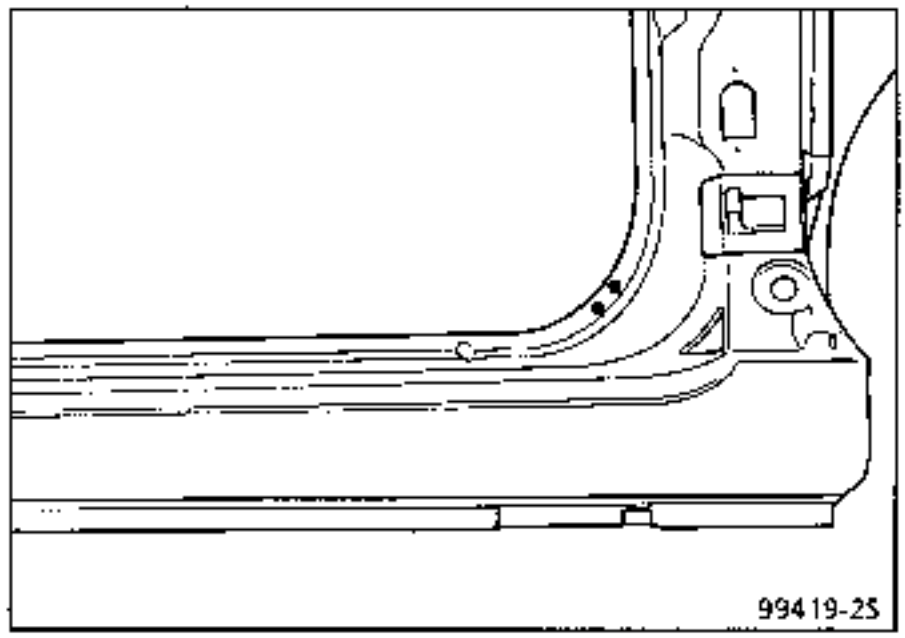
Thickness of panels concerned (mm)

Front pillar lining	1.2
Sill panel, complete	0.8

Unpicking

2 spot welds on thickness 0.8

Welding

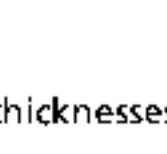


3 JOINT WITH INNER SILL PANEL, FRONT SECTION

Thickness of panels concerned (mm)

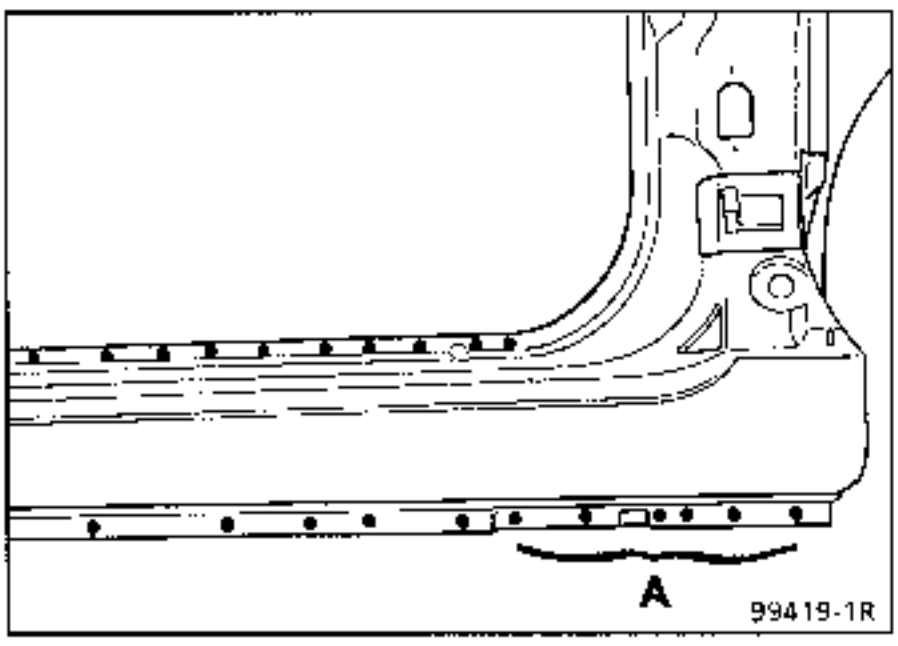
Inner sill panel	1.8
Sill panel, complete	0.8
Jacking point	2

Unpicking

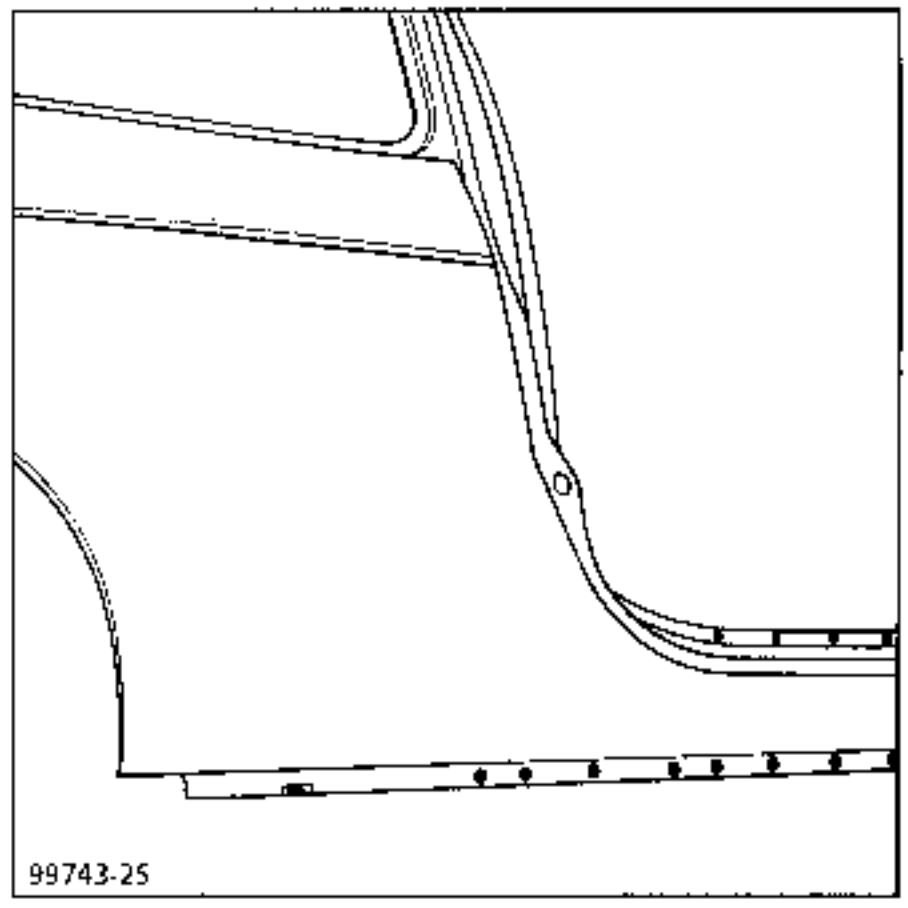


33 spot welds on thickness 0.8

Welding



NOTE: at A, welds are on 3 thicknesses.



4 JOINT WITH PART SECTIONS

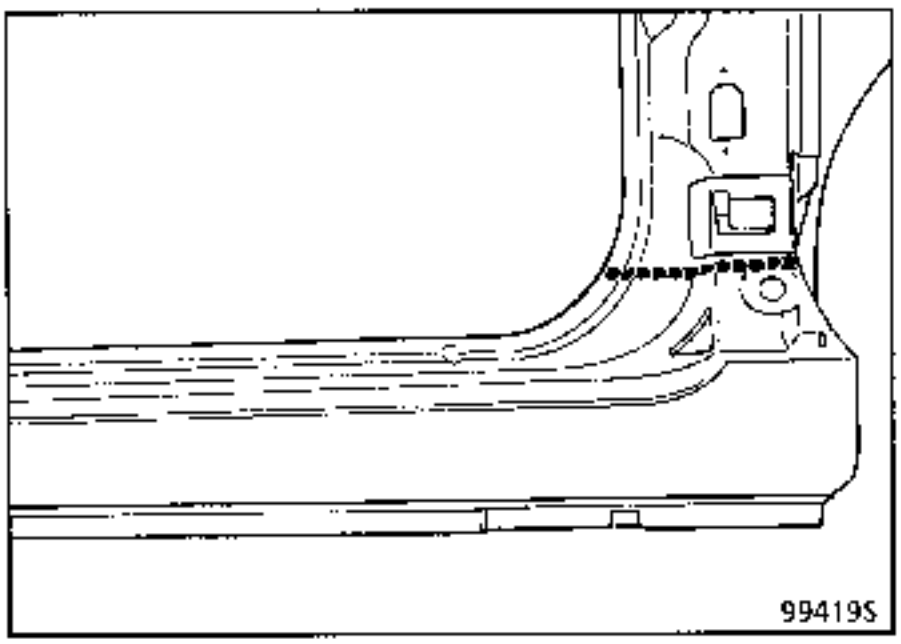
Thickness of panels concerned (mm)

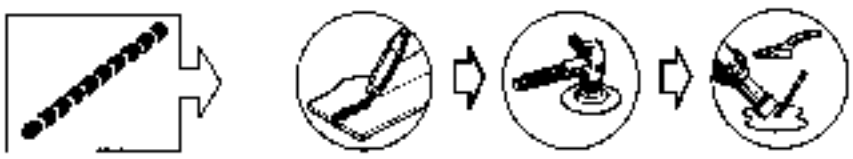
Sill panel, complete	0.8

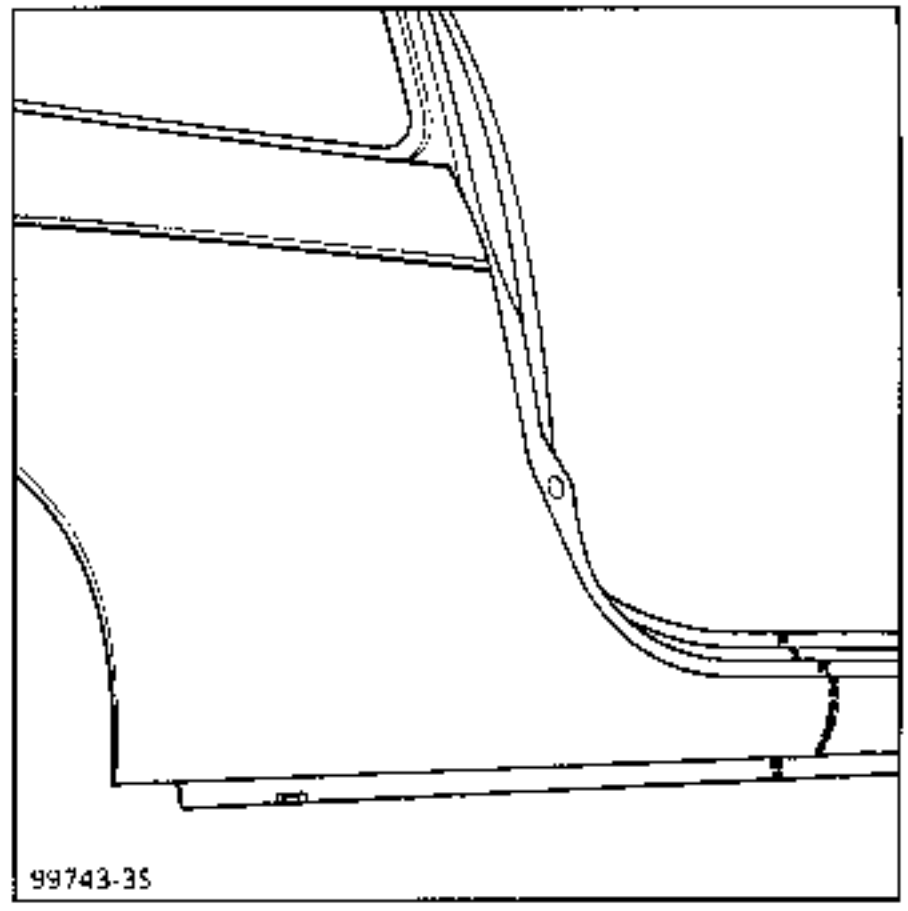
Unpicking

350 mm x 2 on thickness 0.8

Welding





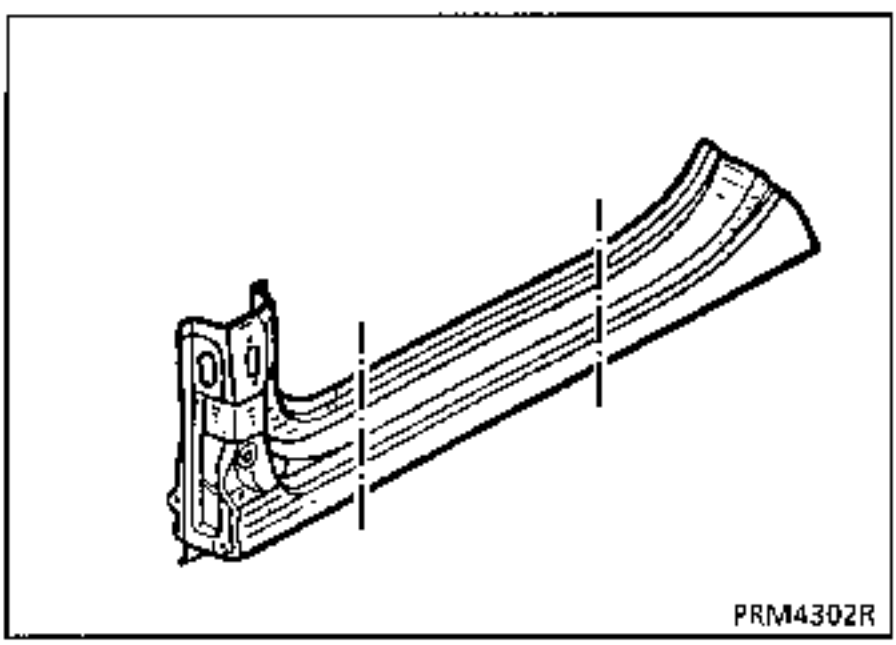


INTRODUCTION

The replacement of this part is a basic operation for a side impact.
For details of the operation refer to the basic manual (B64).

COMPOSITION OF PART FROM PARTS DEPARTMENT

Single part.



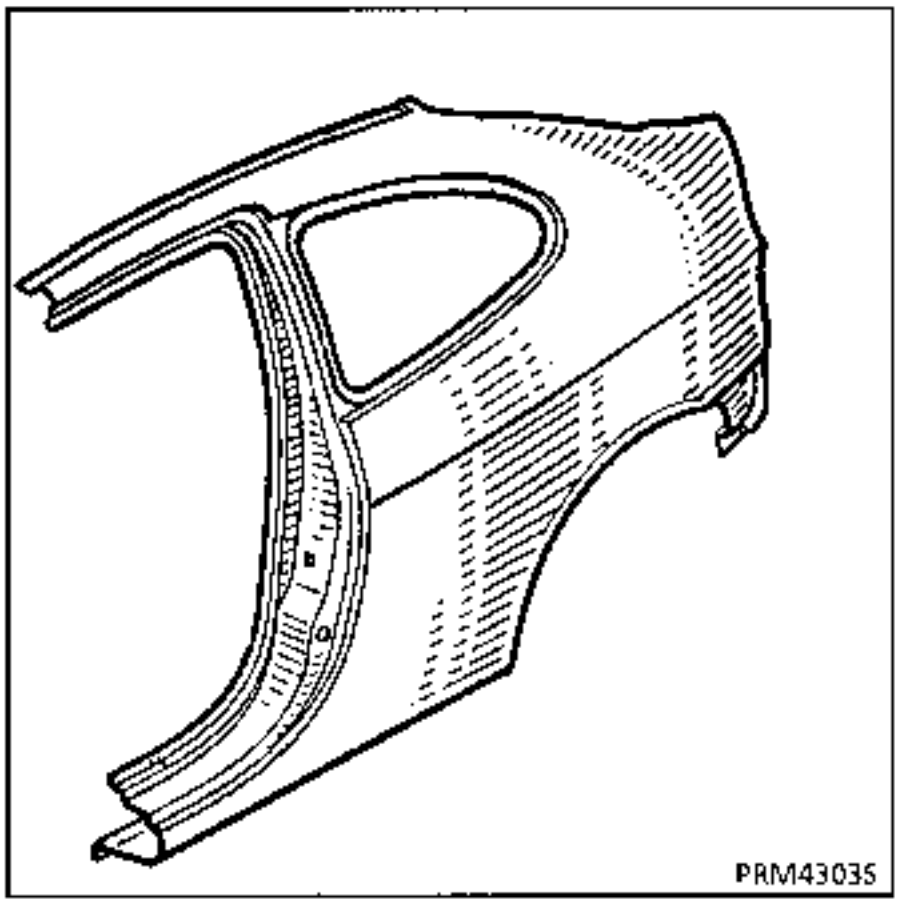
INTRODUCTION

The replacement of this part is a complementary operation to the replacement of the roof for a rear side impact.

For the information required for replacement, refer to operations :
43-A and **44-A.**

COMPOSITION OF PART FROM PARTS DEPARTMENT

Part assembled with:
- striker plate reinforcement,
- bumper reinforcement,
- panel stiffener.


PRM43035

1 JOINT WITH PART SECTIONS

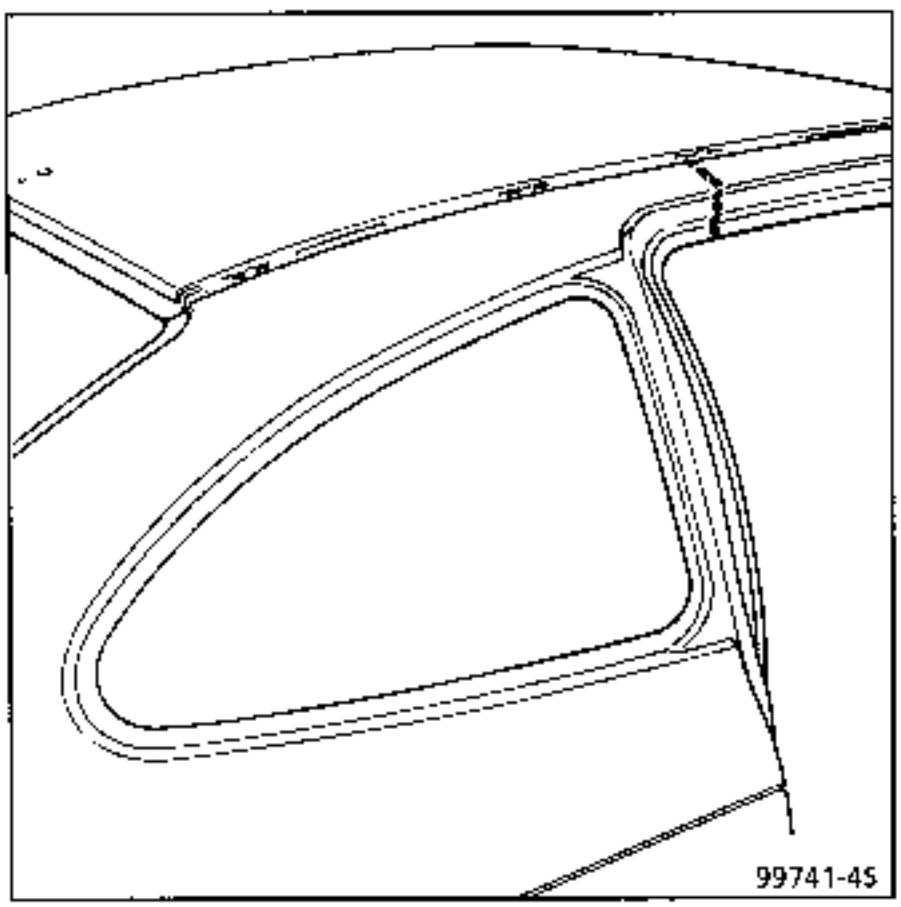
Thickness of panels concerned (mm)

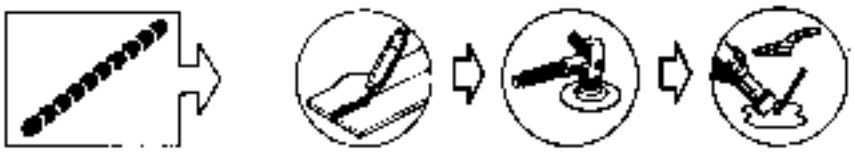
Body side, rear section	0.8

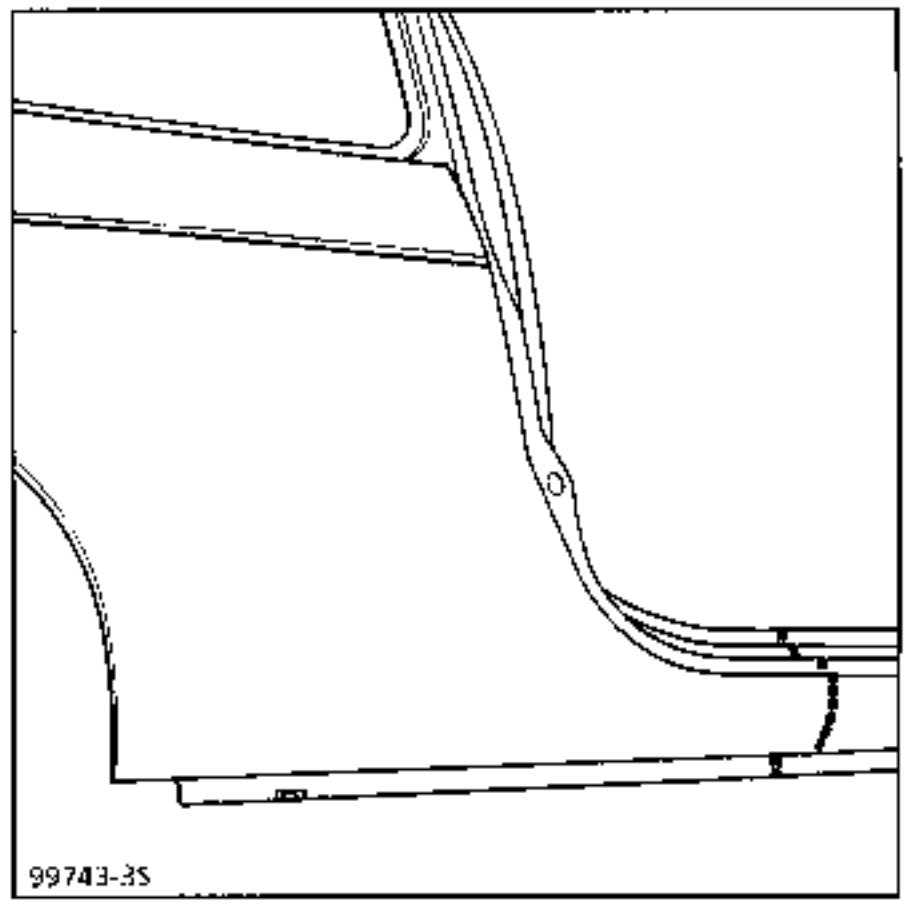
Unpicking

350 mm · 150 mm on thickness 0.8

Welding





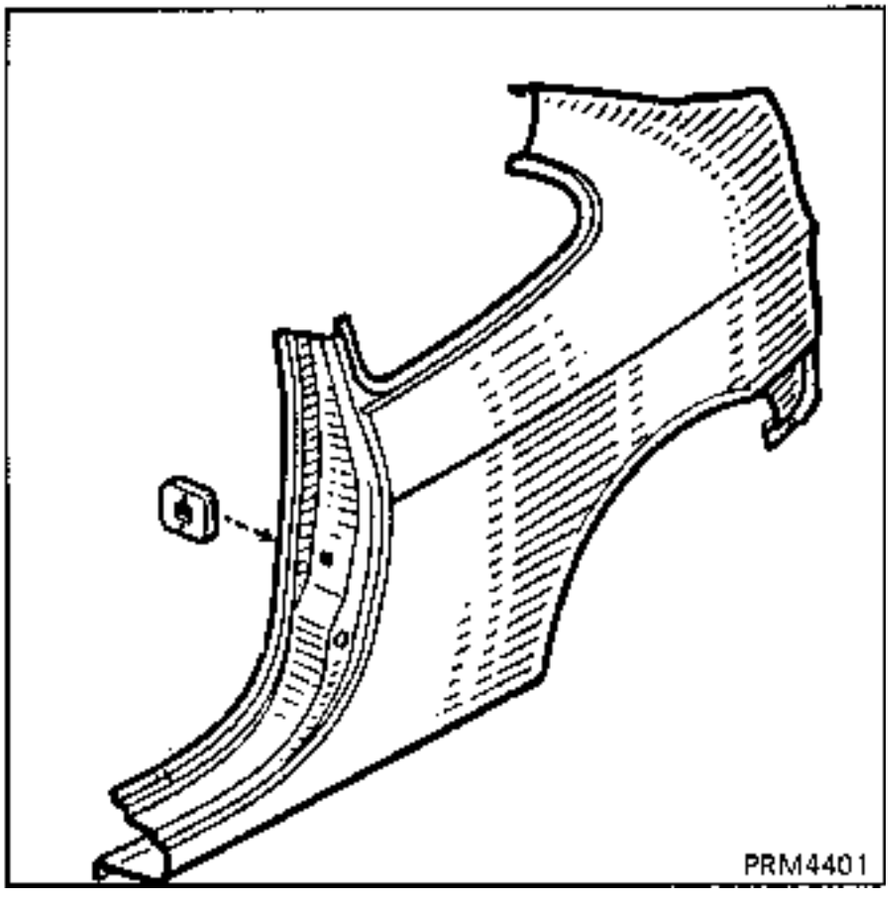


INTRODUCTION

The replacement of this part is a basic operation for a rear collision.

COMPOSITION OF PART FROM PARTS DEPARTMENT

Part assembled with:
- striker plate reinforcement,
- bumper counter-blade mounting.



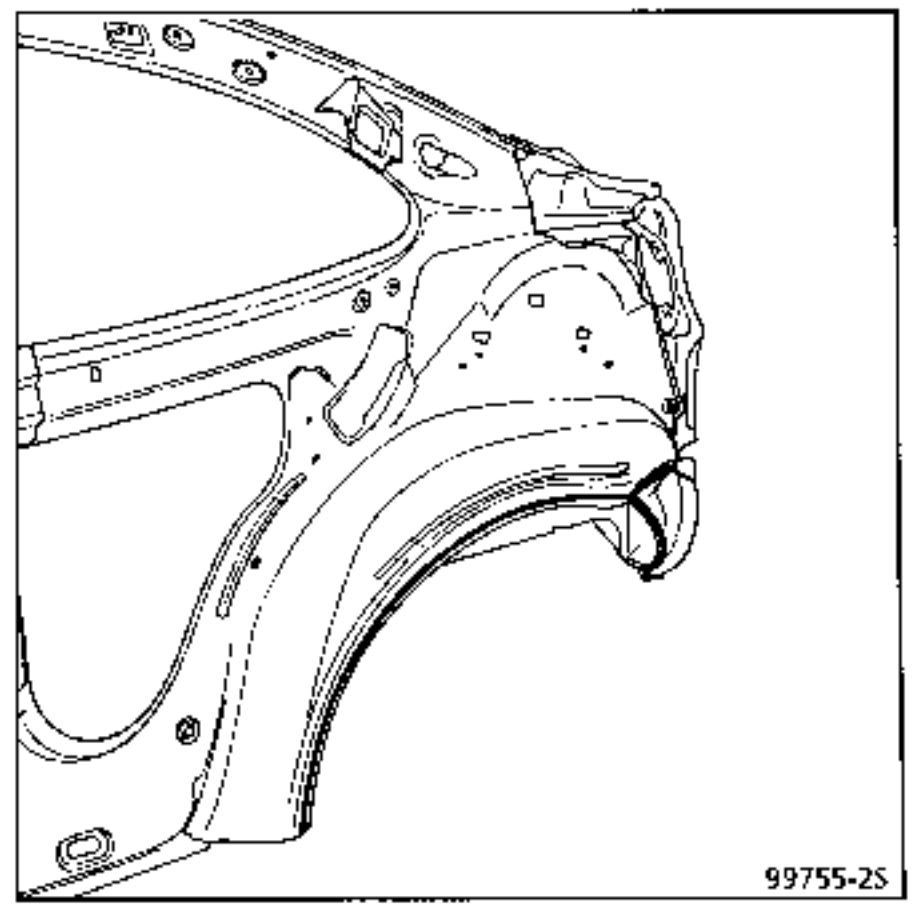
1 JOINT WITH REAR QUARTER PANEL LINING

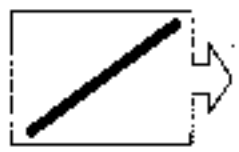
Thickness of panels concerned (mm)

Wing panel	0.8
Rear quarter panel lining	0.7
Rear end panel	0.7
Door pillar reinforcement	1
Inner sill panel	1.5

Unpicking

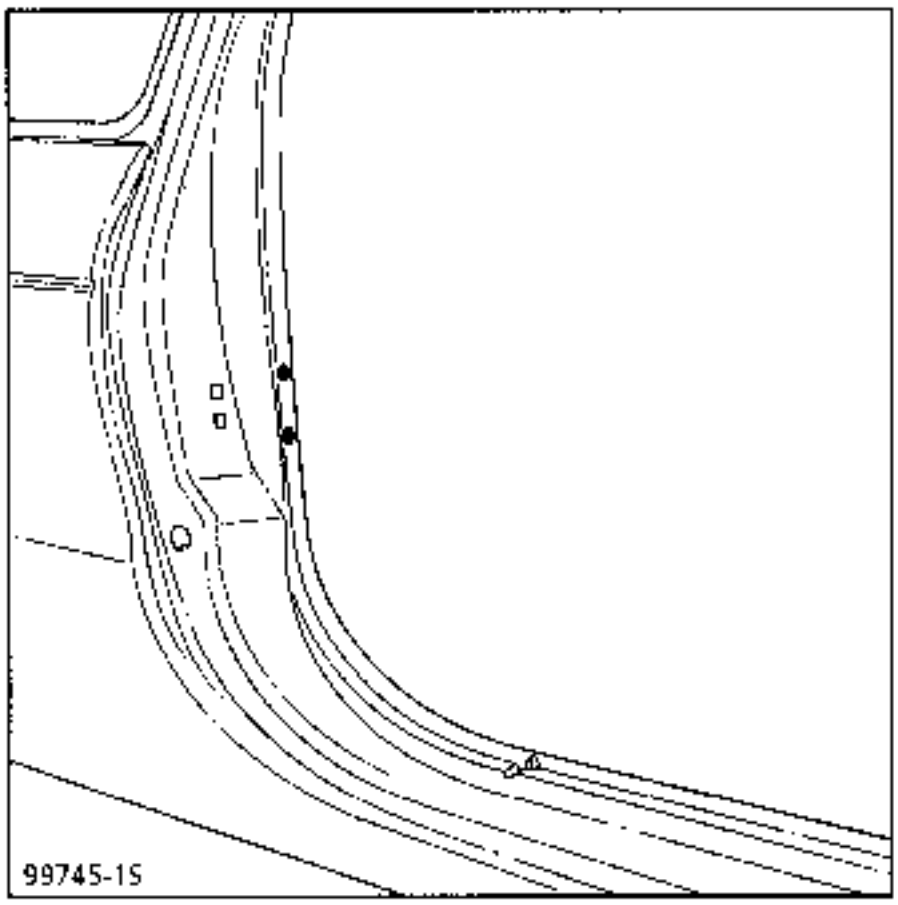
43 spot welds on thickness 0.8
Unpick 1200 mm bead

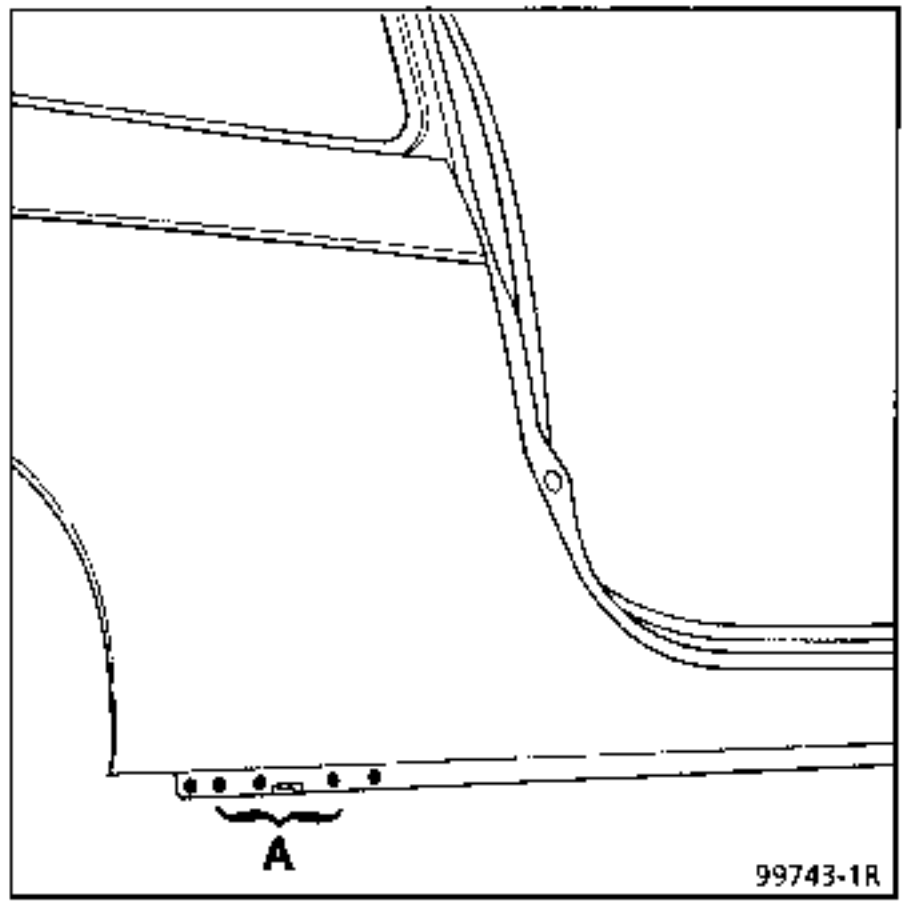




1 bead of mastic 1200 mm

Welding

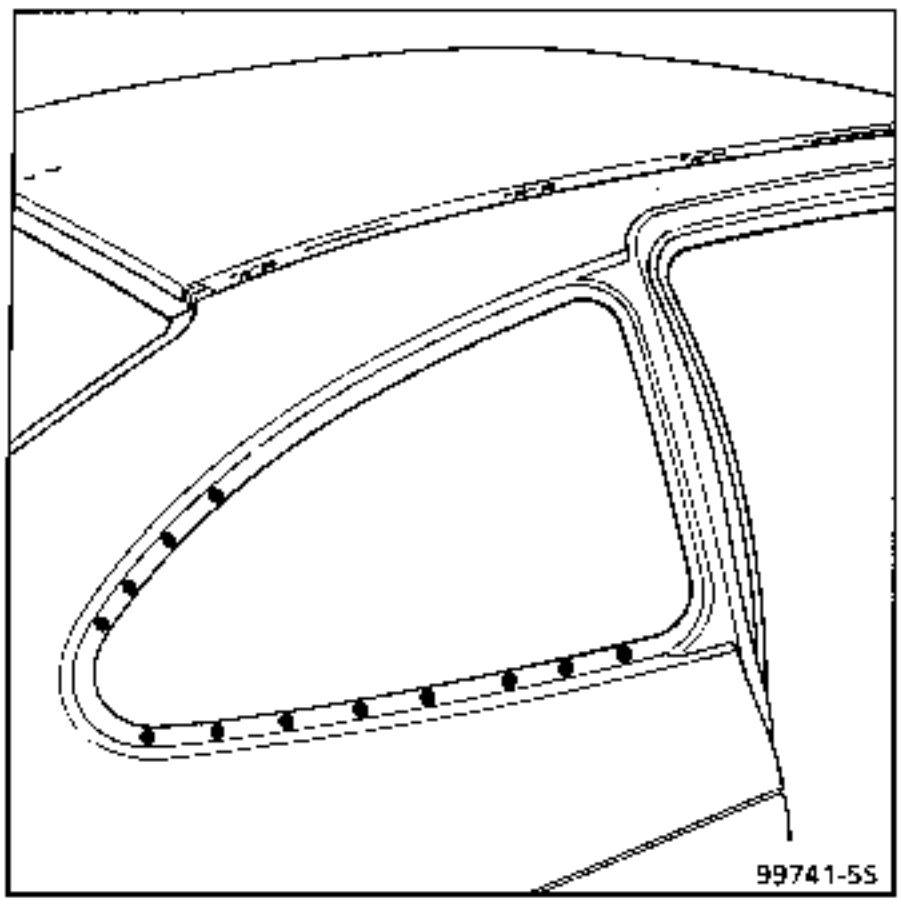


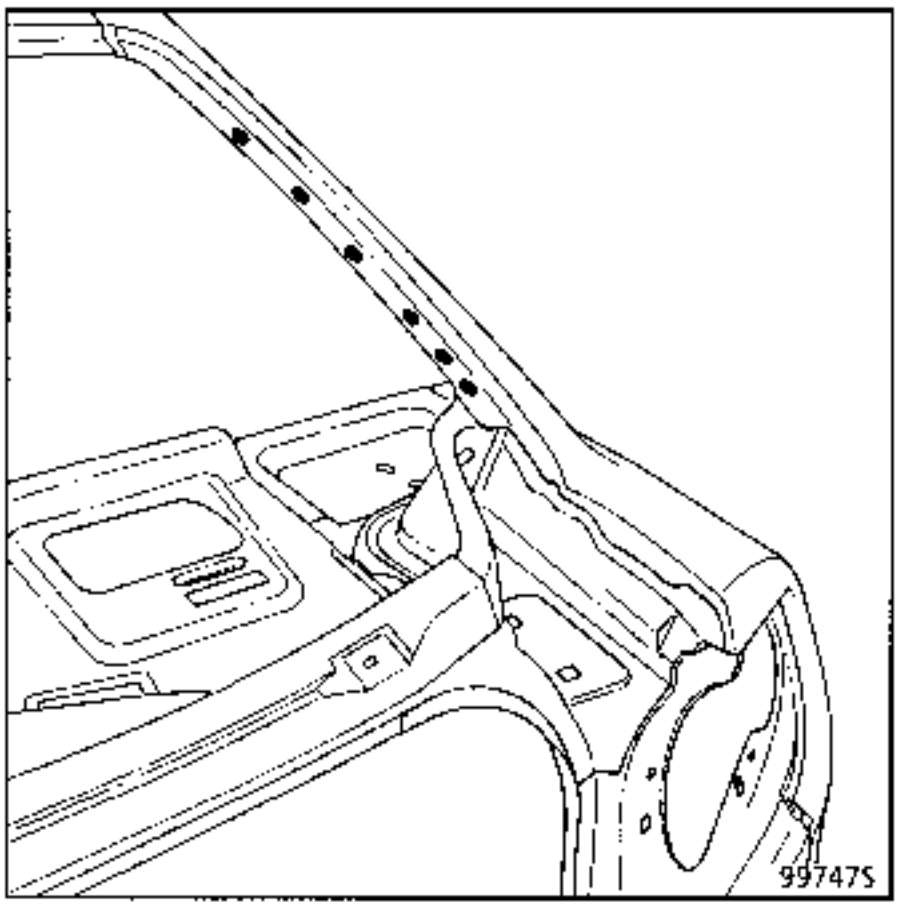


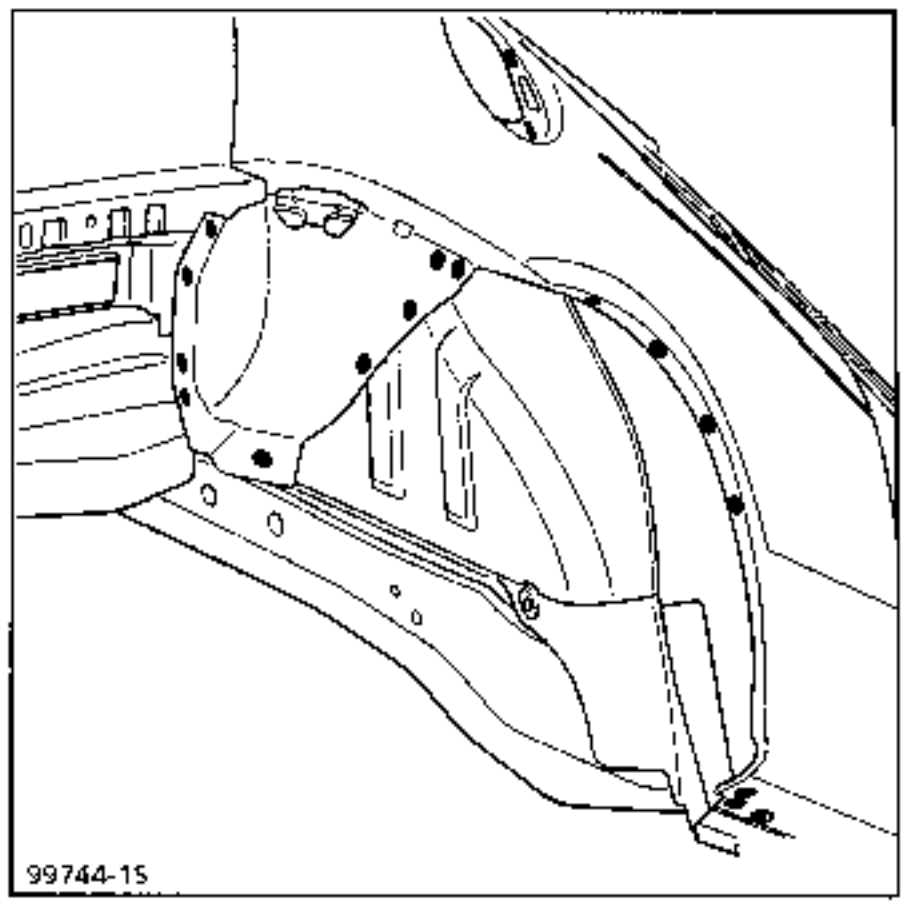
NOTE : at A, welds are on 3 thicknesses.

1 JOINT WITH REAR QUARTER PANEL LINING

Welding (cont)







NOTE : at A, welds are on 3 thicknesses.

2 JOINT WITH DOOR PILLAR REINFORCEMENT

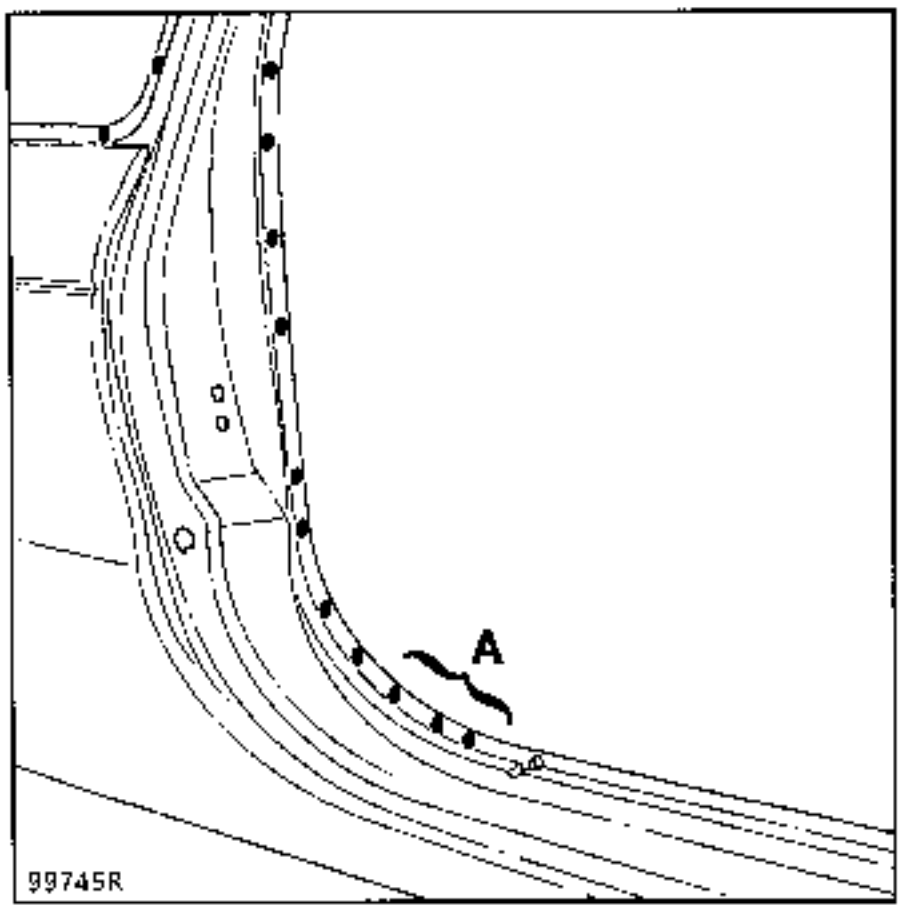
Thickness of panels concerned (mm)

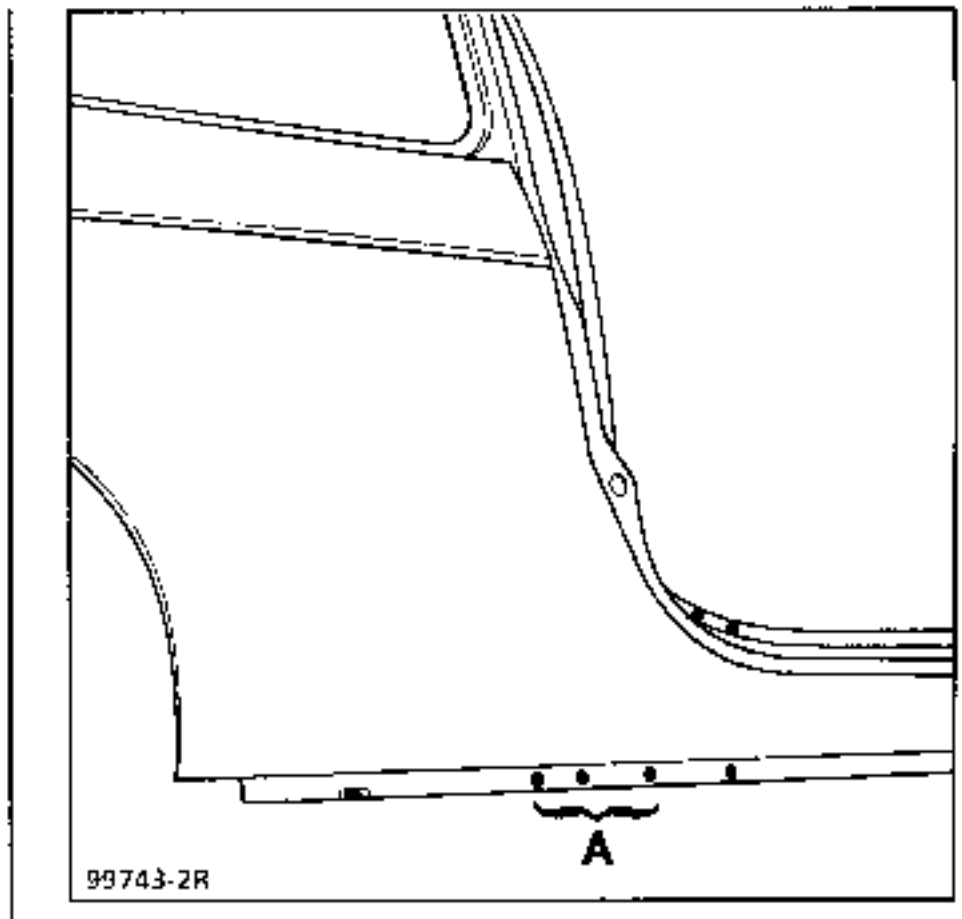
Wing panel	0.8
Door pillar reinforcement	1
Rear end panel lining	0.7
Inner sill panel	1.5

Unpicking

17 spot welds on thickness 0.8

Welding





NOTE : all welds are on 3 thicknesses, at A with the inner sill panel, the other welds with the rear quarter panel lining.

3 JOINT WITH RAIN CHANNEL

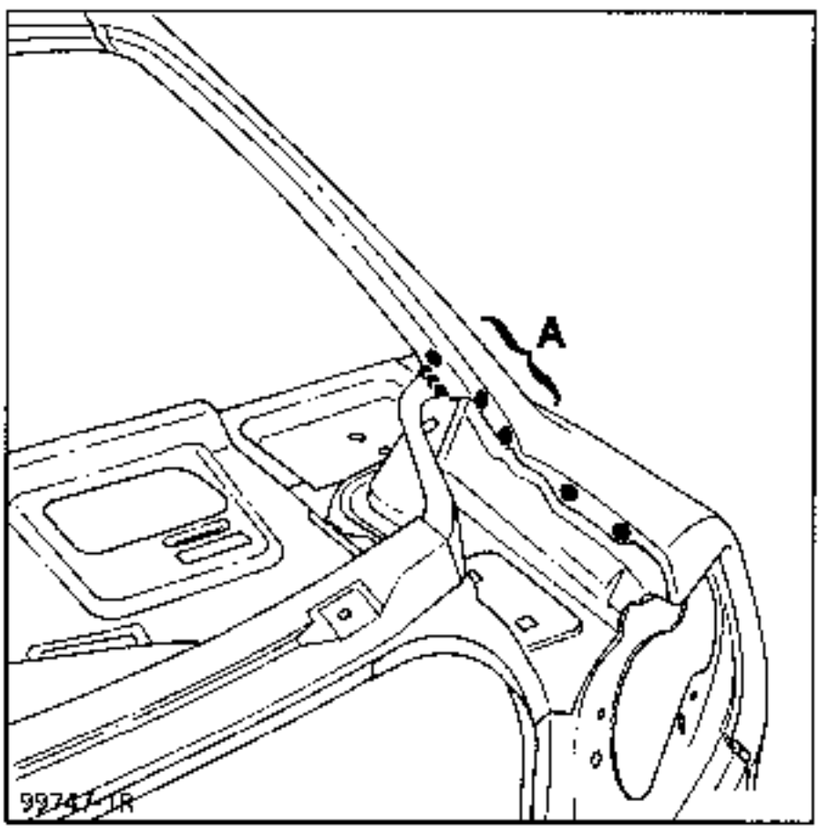
Thickness of panels concerned (mm)

Wing panel	0.8
Rain channel	1
Rear quarter panel lining	0.7

Unpicking

5 spot welds on thickness 1
1 bead of 20 mm

Welding



NOTE : at A, welds are on 3 thicknesses.

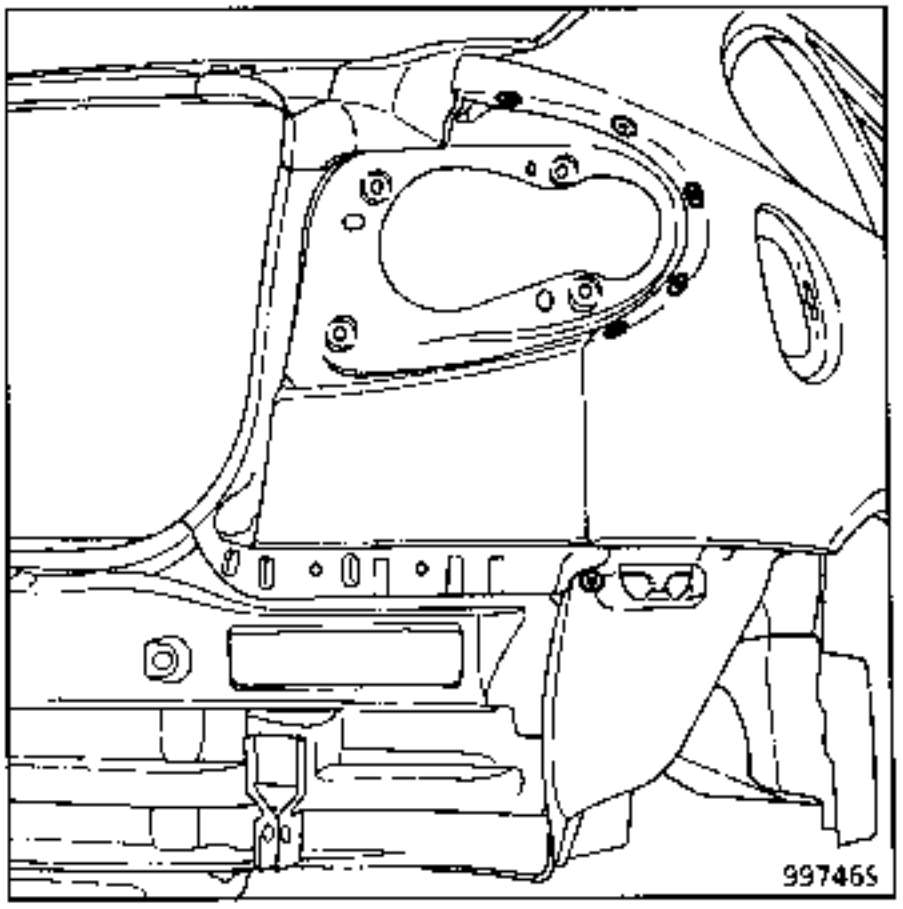
4 JOINT WITH LIGHTS MOUNTING

Thickness of panels concerned (mm)

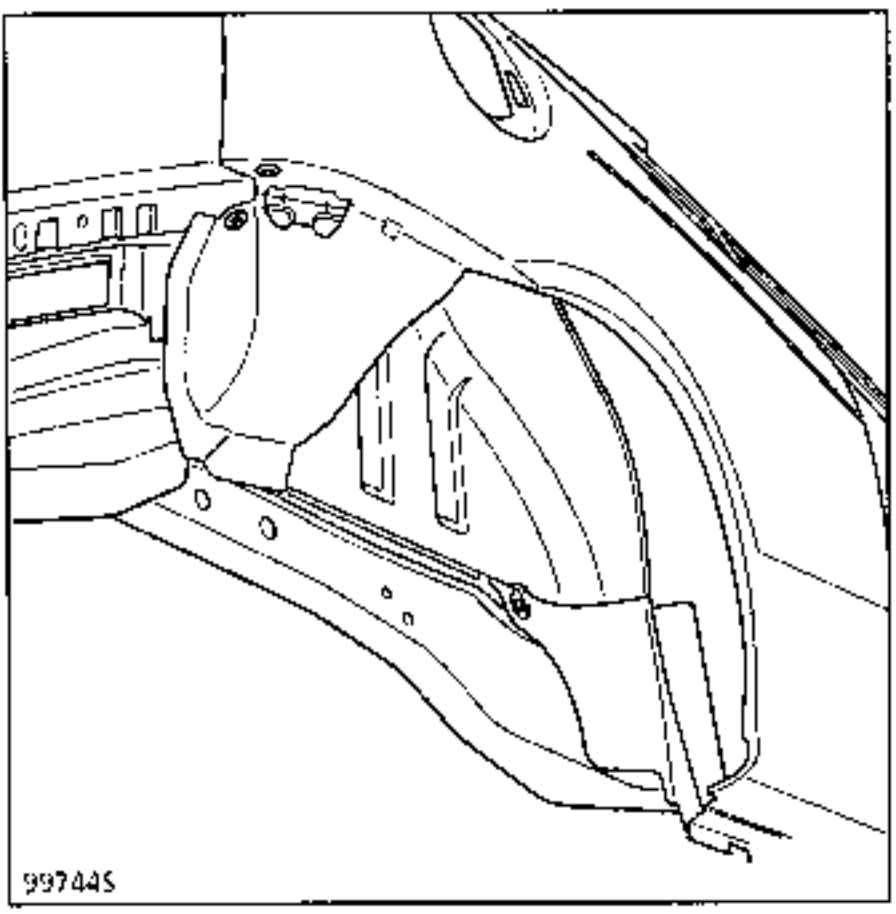
Wing panel	0.8
Rain channel	1

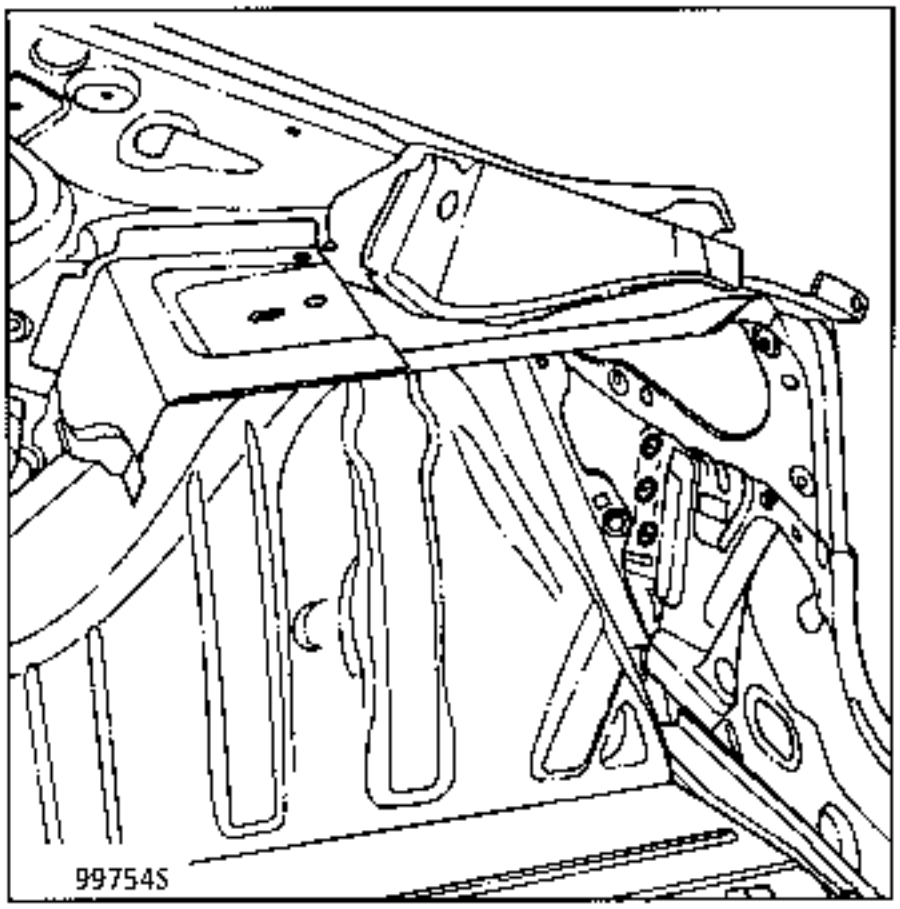
Unpicking

11 spot welds on thickness 1



Welding





5 JOINT WITH SILL PANEL HORIZONTAL PARTITION

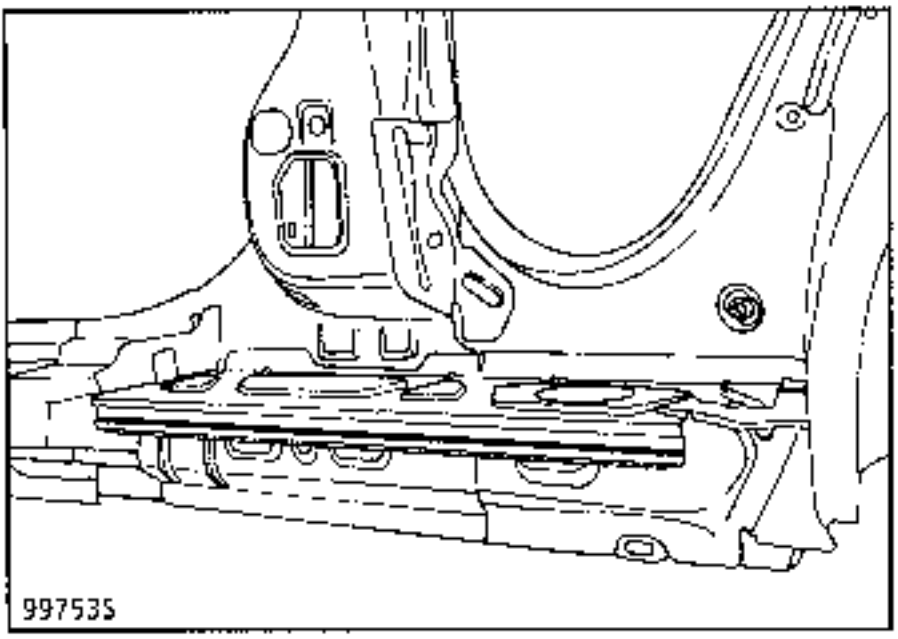
Thickness of panels concerned (mm)

Wing panel	0.8
Sill panel horizontal partition	0.7

Unpicking

Unpick 700 mm bead

Welding



NOTE : At A, apply a bead of adhesive mastic.

6 JOINT WITH INNER SILL PANEL

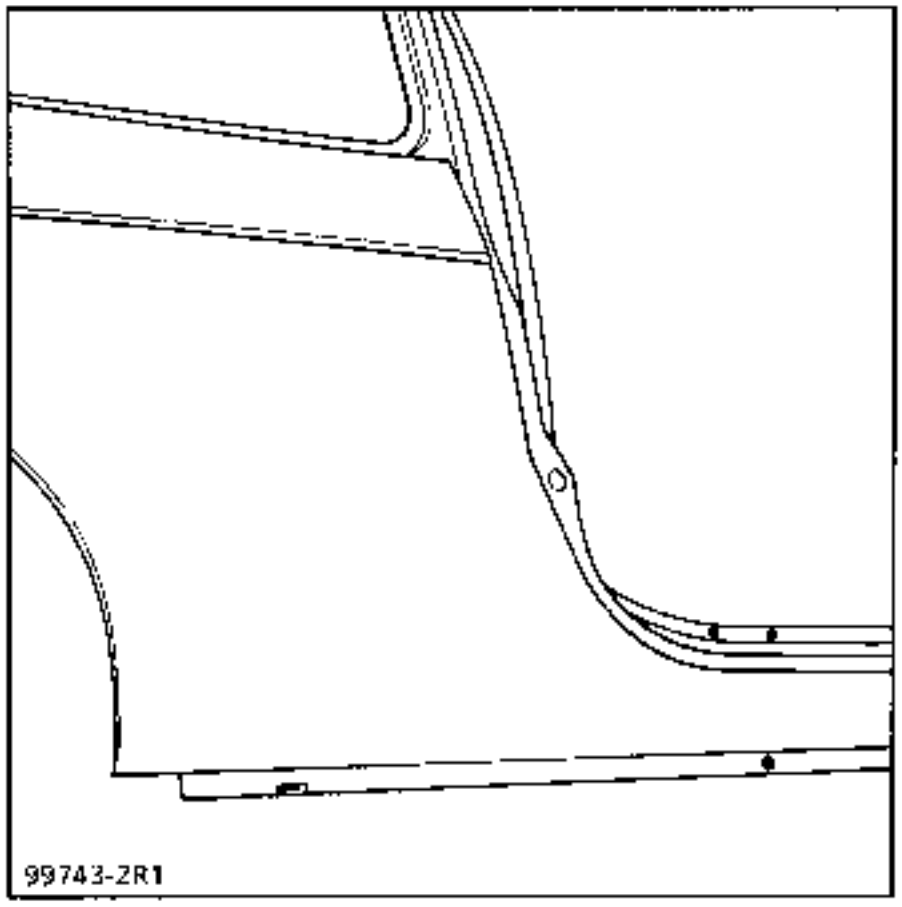
Thickness of panels concerned (mm)

Wing panel	0.8
Inner sill panel	0.7

Unpicking

3 spot welds on thickness 0.8

Welding



7 JOINT WITH PART SECTIONS

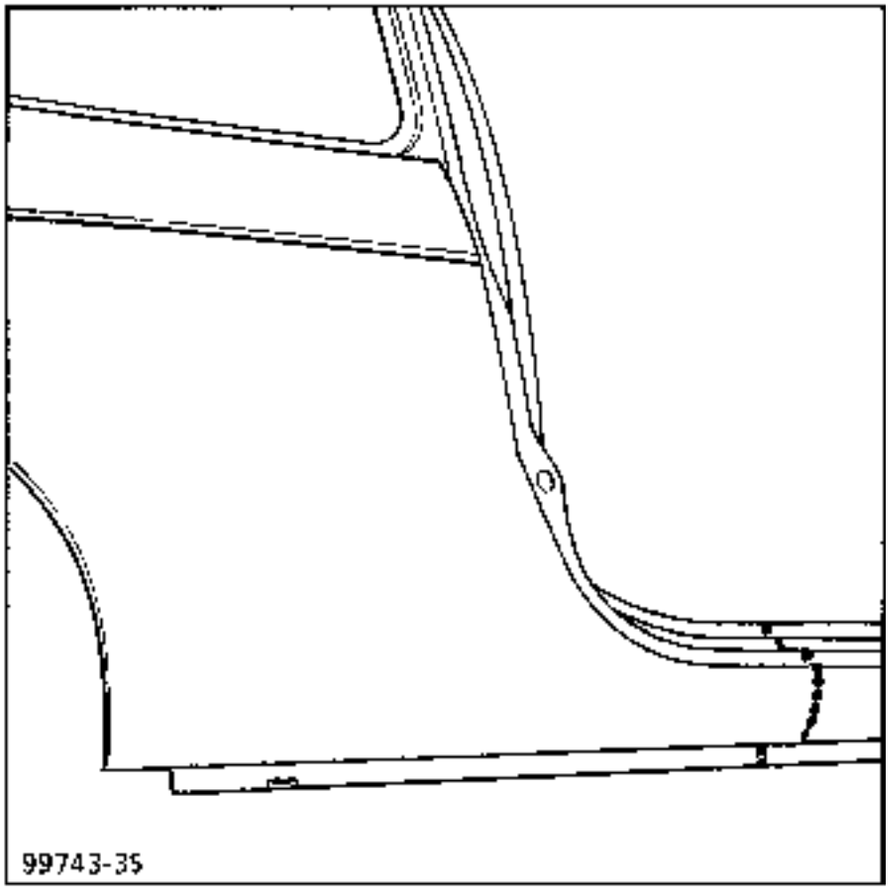
Thickness of panels concerned (mm)

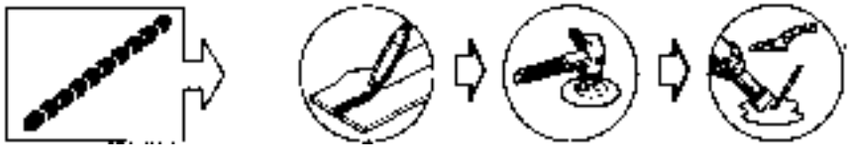
Wing panel	0.8

Unpicking

350 mm x 2 on thickness 0.8

Welding



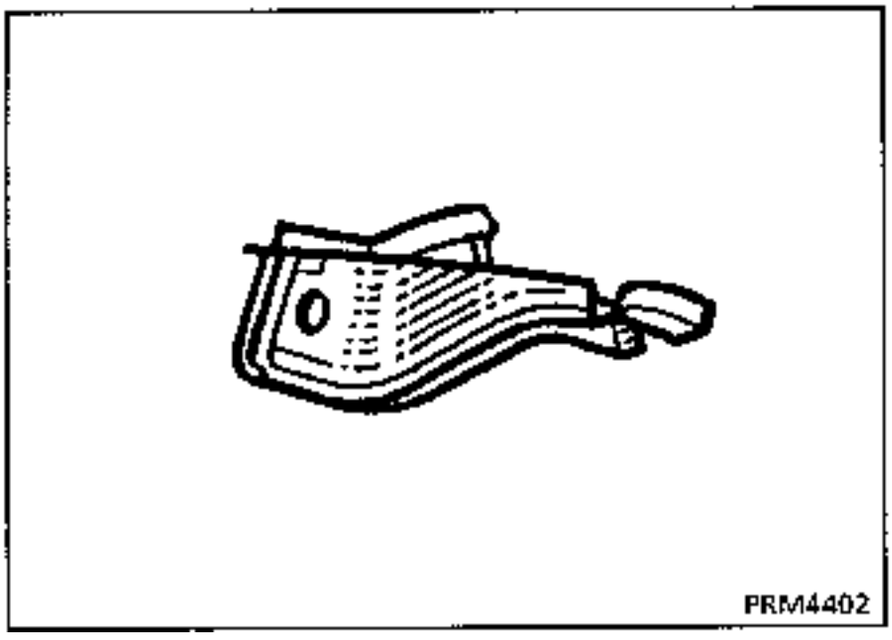


INTRODUCTION

The replacement of this part is a complementary operation to the replacement of a wing panel with rear quarter panel lining.

COMPOSITION OF PART FROM PARTS DEPARTMENT

Part assembled with:
- rain channel,
- rain channel closure panel.



1 JOINT WITH LIGHTS MOUNTING

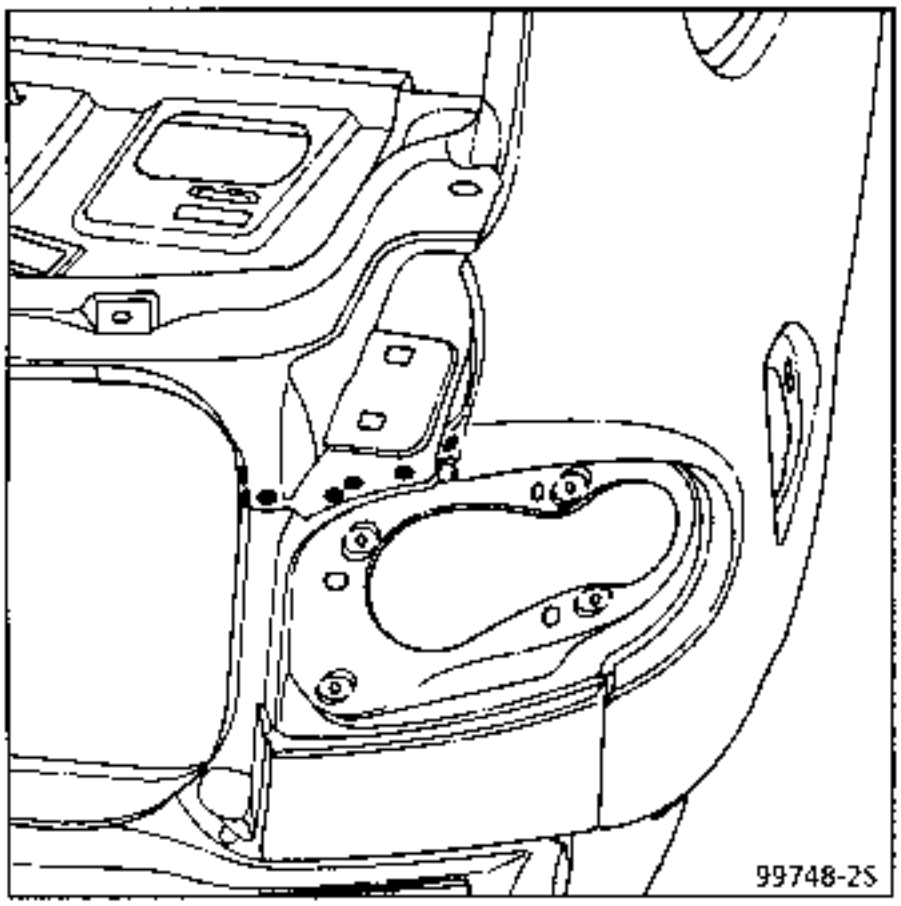
Thickness of panels concerned (mm)

Wing panel lower rain channel	1
Lights mounting	0.7

Unpicking

7 spot welds on thickness 1

Welding



2 JOINT WITH CENTRE SHELF

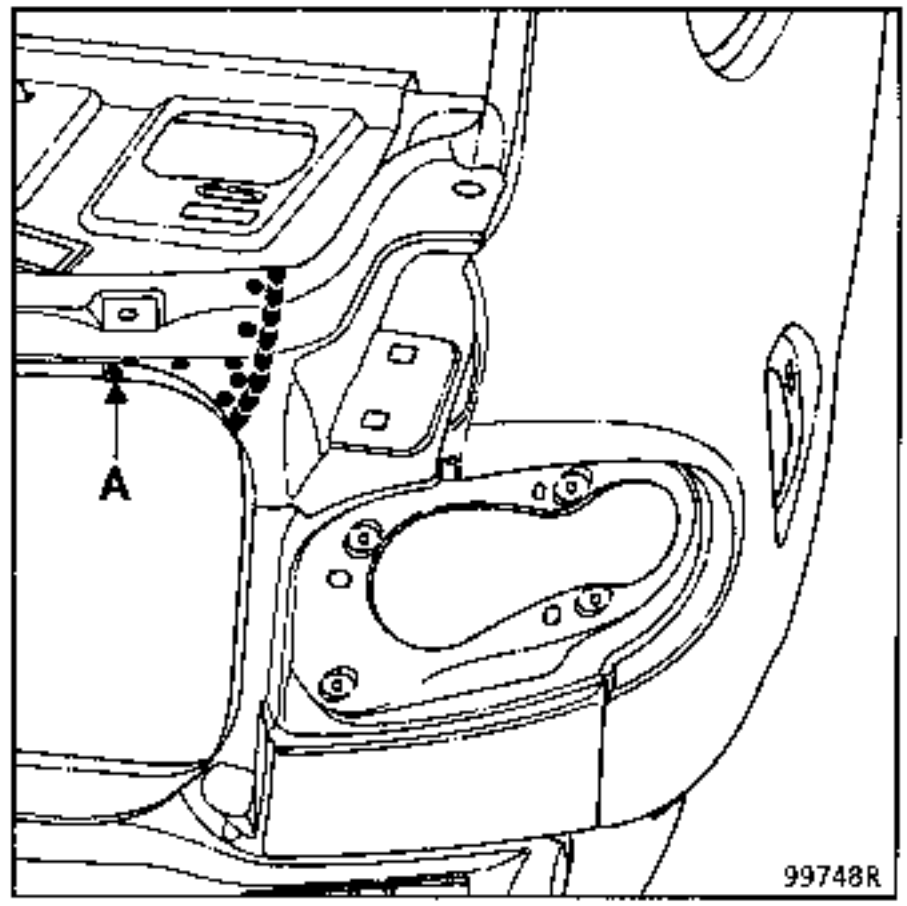
Thickness of panels concerned (mm)

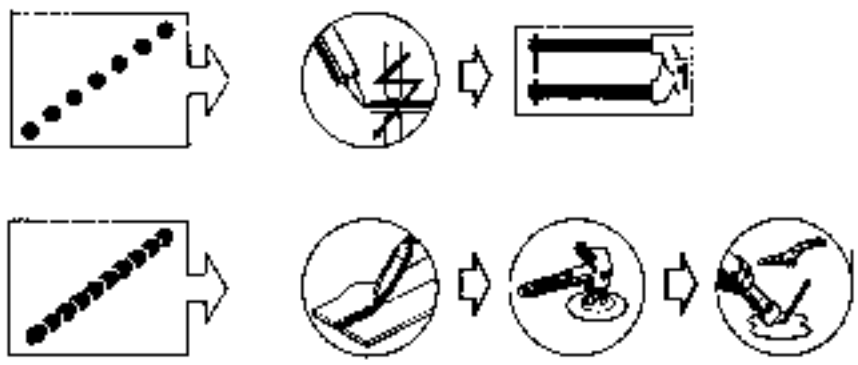
Wing panel lower rain channel	1
Centre shelf	0.7
Rear screen lower cross member	0.7

Unpicking

8 spot welds on thickness 1
1 MAG fillet of 200 mm

Welding





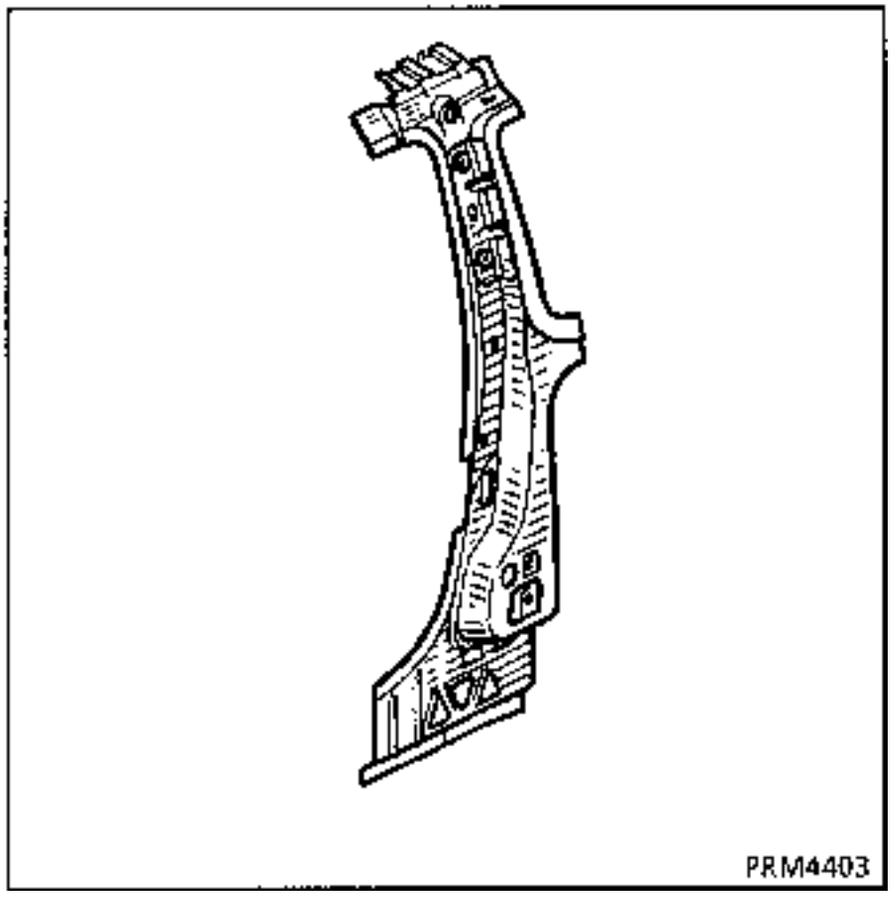
NOTE : at A, welds are on 3 thicknesses.

INTRODUCTION

The replacement of this part is a complementary operation to the replacement of a body side panel, rear section with rear quarter panel lining and door pillar lining.

COMPOSITION OF PART FROM PARTS DEPARTMENT

Part assembled with seat belt mounting reinforcement.



1 JOINT WITH REAR QUARTER PANEL LINING

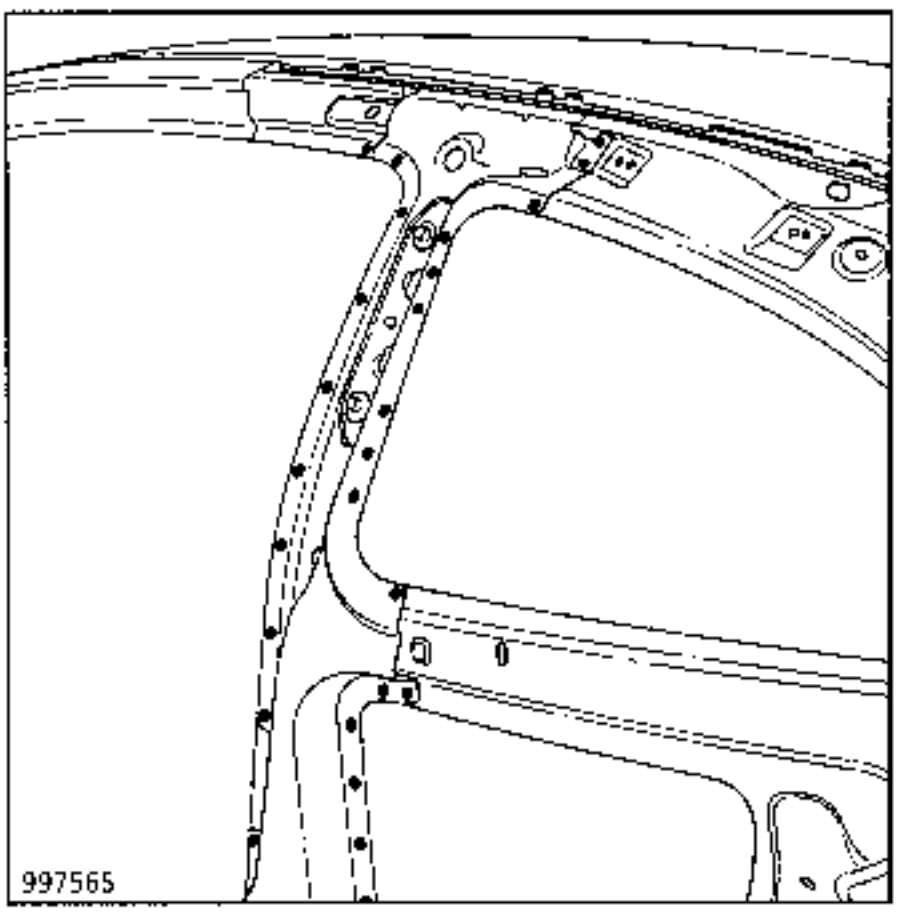
Thickness of panels concerned (mm)

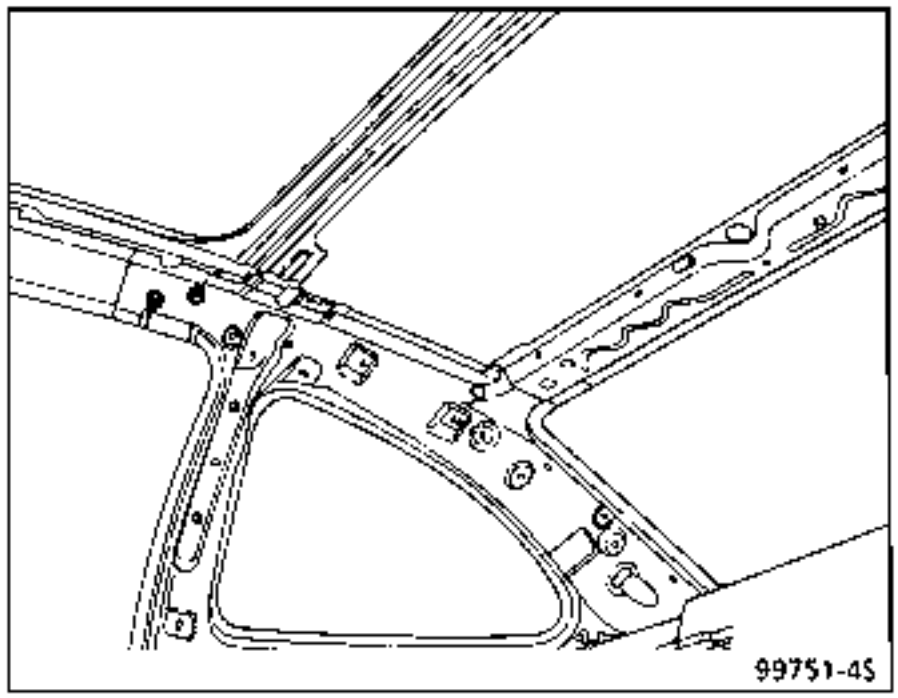
Door pillar reinforcement	1
Rear quarter panel lining	0.7

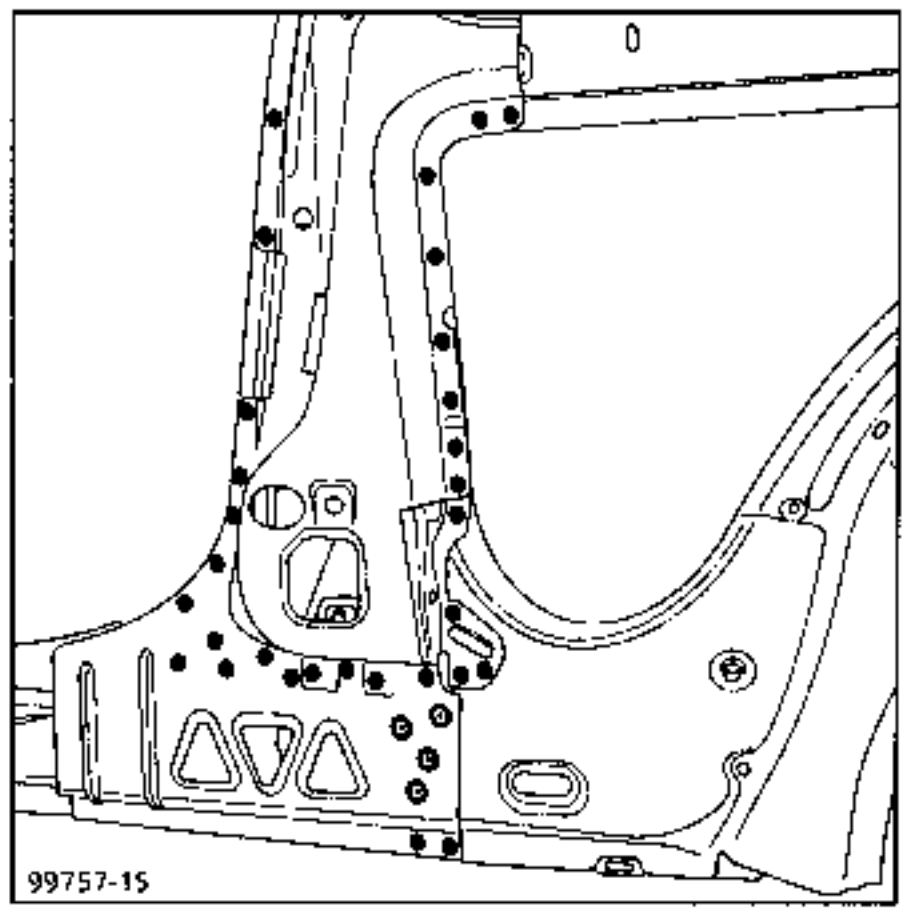
Unpicking :

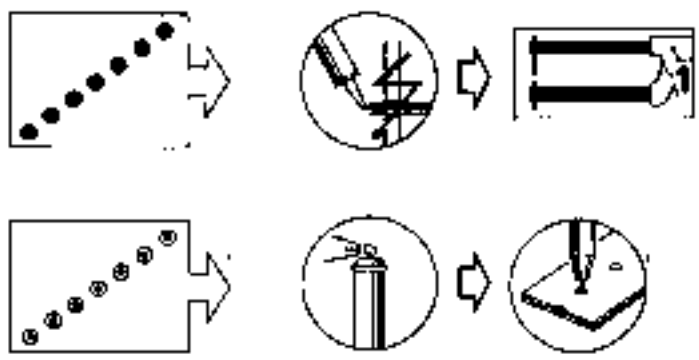
The operation is not required since the parts are removed together.

Welding









Note : the welds on 3 thicknesses are made after the wing panel is fitted.

2 JOINT WITH INNER SILL PANEL

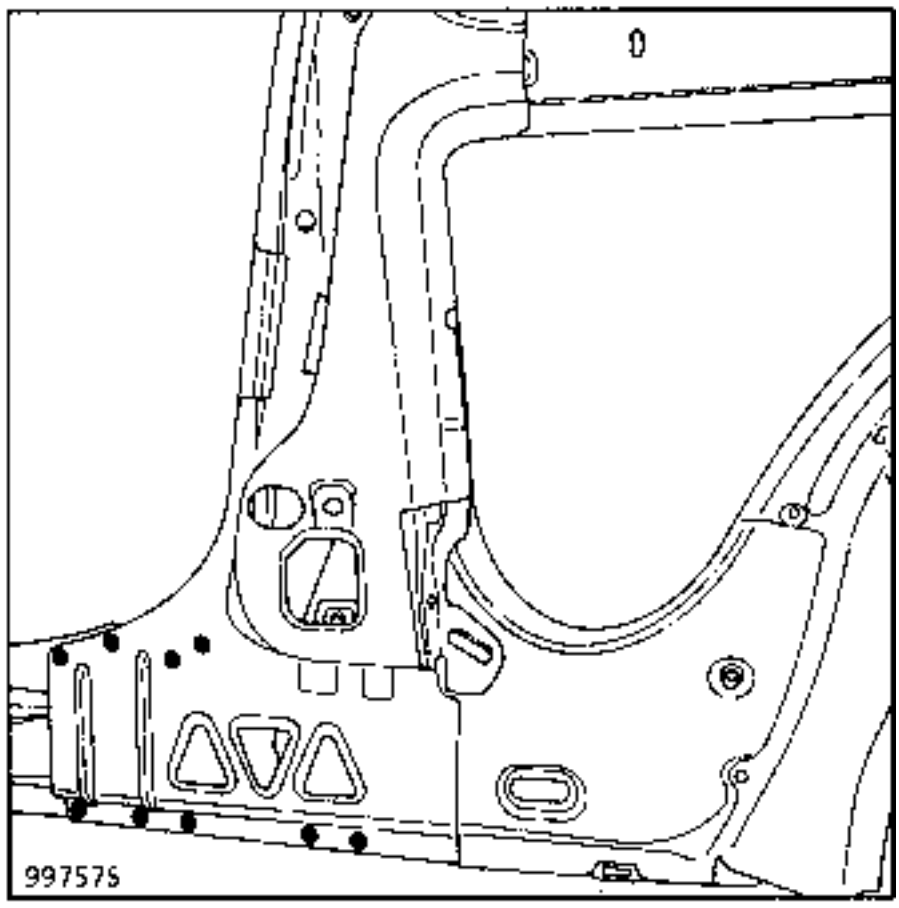
Thickness of panels concerned (mm)

Inner sill panel	0.7
Door pillar reinforcement	1.2

Unpicking

9 spot welds on thickness 1.2

Welding



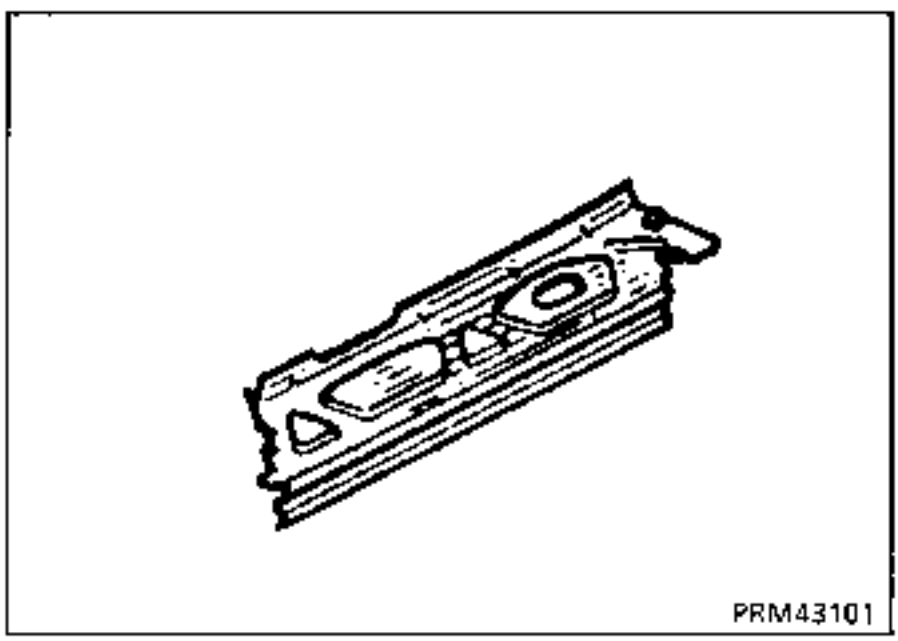
Note : the welds on 3 thicknesses are made after the wing panel is fitted.

INTRODUCTION

The replacement of this part is a complementary operation to the replacement of a wing panel.

COMPOSITION OF PART FROM PARTS DEPARTMENT

Single part.



1 JOINT WITH REAR QUARTER PANEL LINING

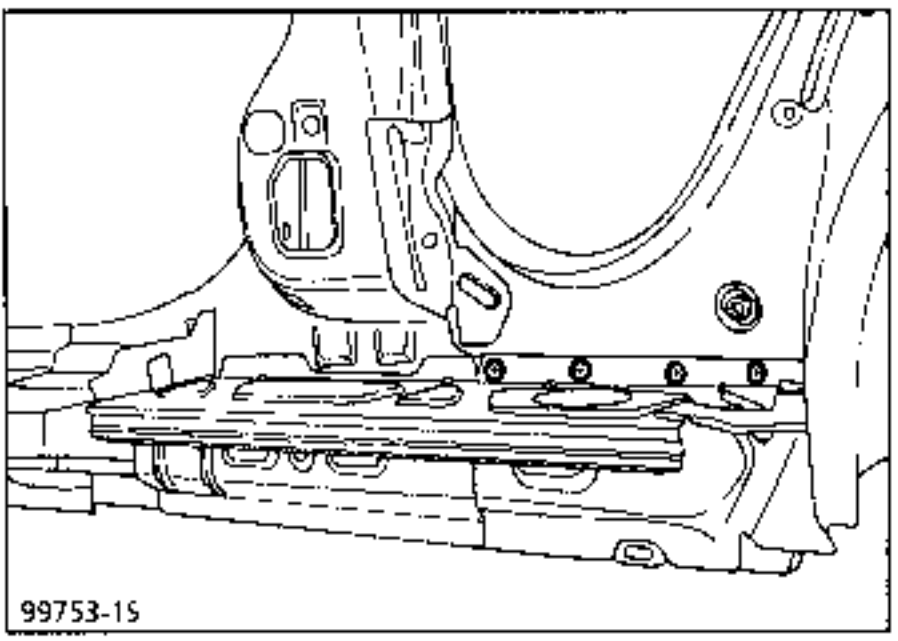
Thickness of panels concerned (mm)

Rear quarter panel lining	0.8
Sill panel horizontal partition	0.7

Unpicking

4 spot welds on thickness 0.7

Welding



2 JOINT WITH DOOR PILLAR REINFORCEMENT

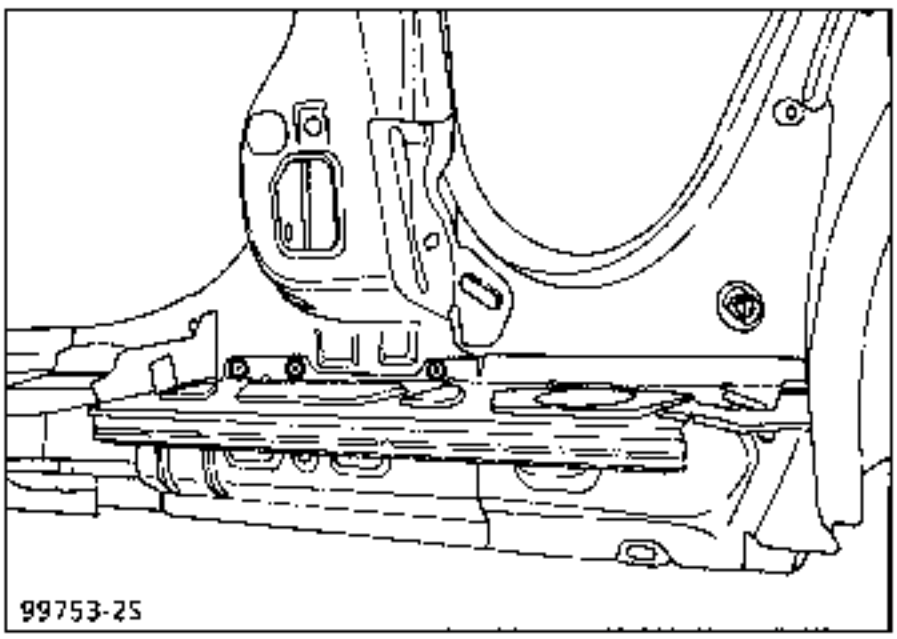
Thickness of panels concerned (mm)

Door pillar reinforcement	1.2
Sill panel horizontal partition	0.7

Unpicking

3 spot welds on thickness 0.7

Welding



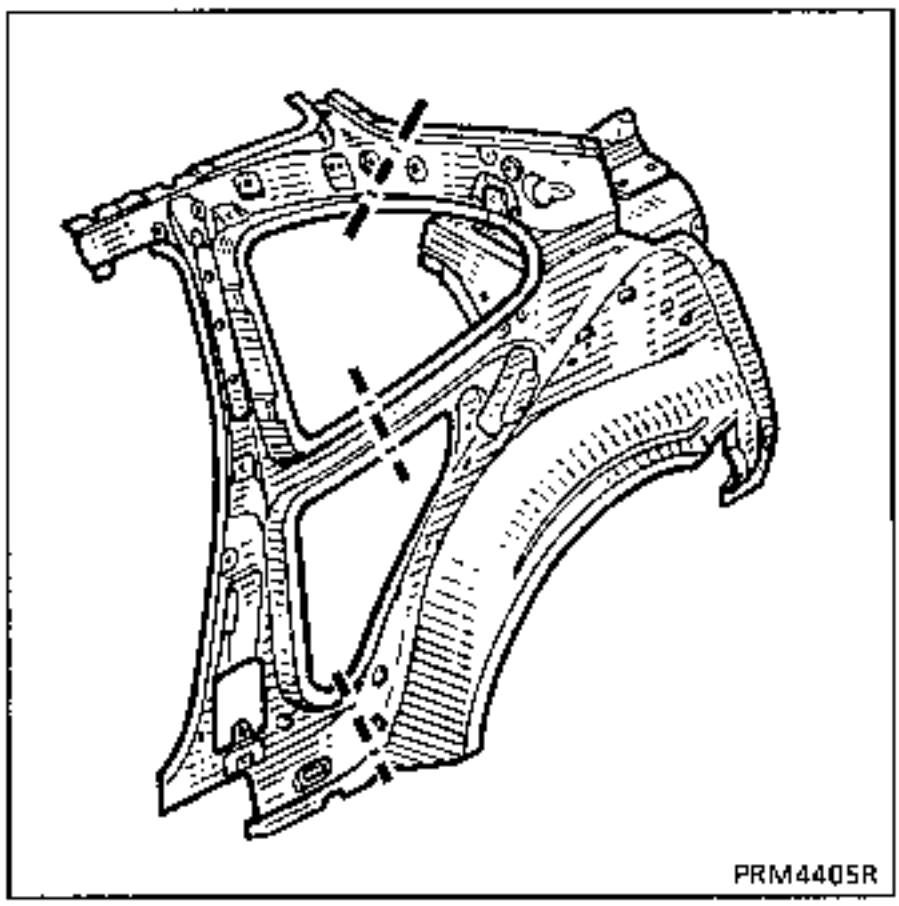
INTRODUCTION

The replacement of this part is a complementary operation to the replacement of a wing panel.

It may also be replaced in part section according to the cutting lines in the diagram below.

COMPOSITION OF PART FROM PARTS DEPARTMENT

Part assembled with:
- inertia reel mounting reinforcement,
- door pillar reinforcement,
- rear side shelf.



1 JOINT WITH TOP OF BODY

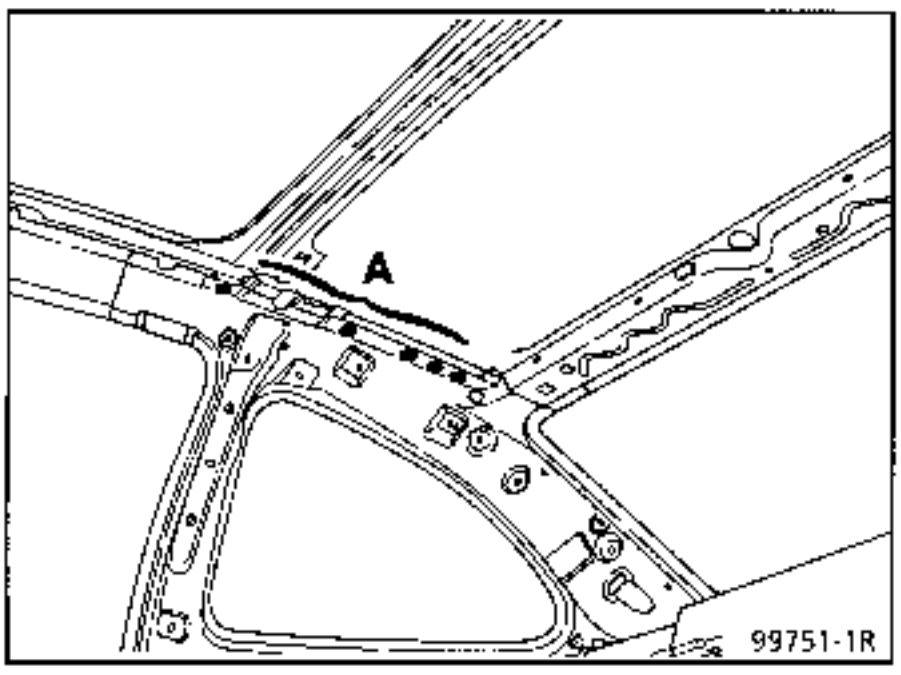
Thickness of panels concerned (mm)

Rear quarter panel lining	0.7
Top of body	0.8
Roof	0.8

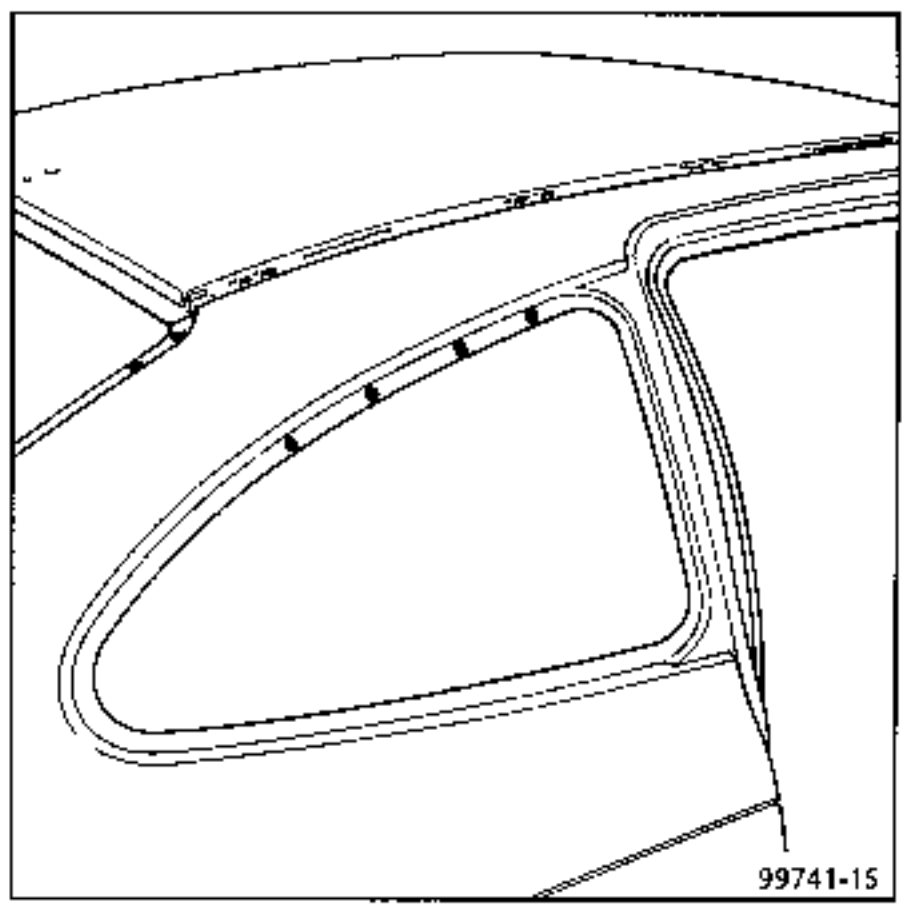
Unpicking

11 spot welds on thickness 0.7

Welding



NOTE : at A, welds are on 3 thicknesses.



2 JOINT WITH ROOF REAR CROSS MEMBER

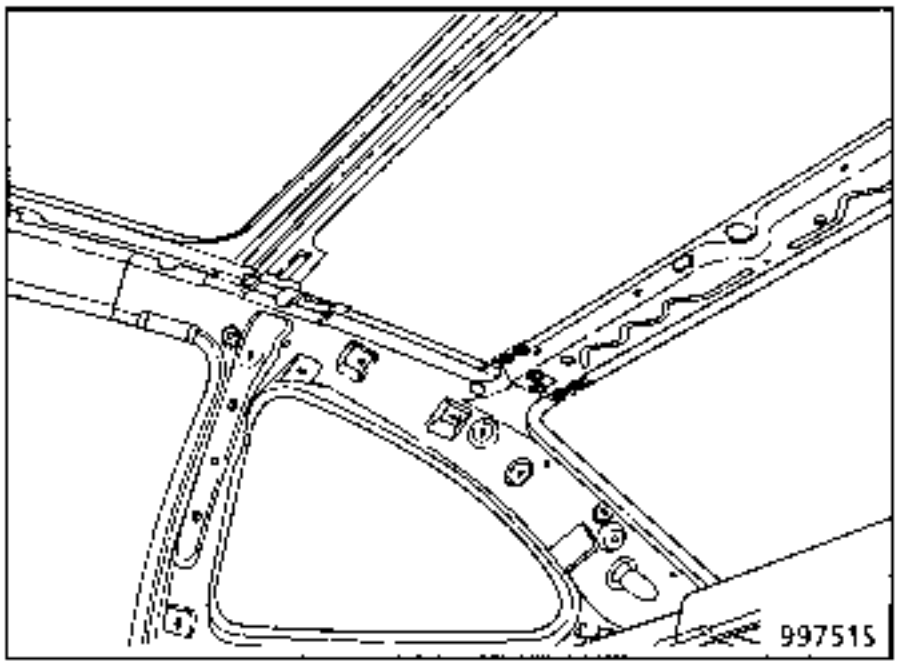
Thickness of panels concerned (mm)

Rear quarter panel lining	0.7
Roof rear cross member	0.7
Roof	0.8

Unpicking

6 spot welds on thickness 0.7

Welding



NOTE : at A, welds are on 3 thicknesses.

3 JOINT WITH CENTRE REAR SHELF

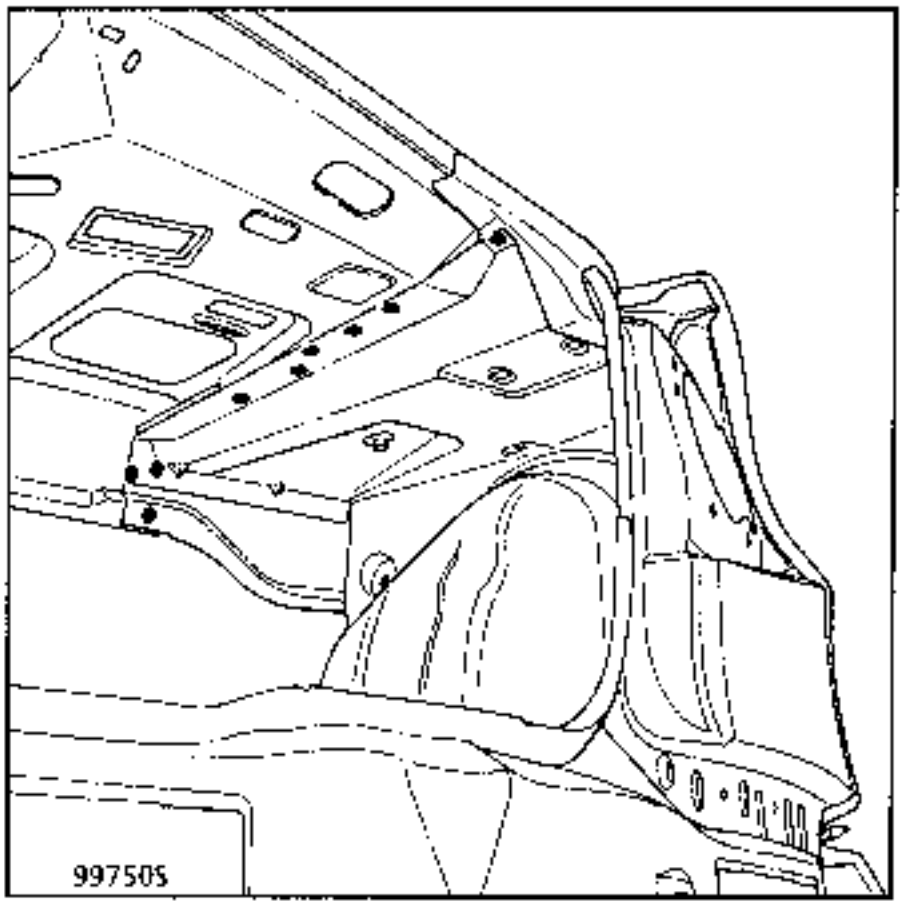
Thickness of panels concerned (mm)

Rear side cross member	0.7
Centre rear shelf	0.7
Rain channel	1

Unpicking

9 spot welds on thickness 0.7

Welding



NOTE : at A, welds are on 3 thicknesses.

4 JOINT WITH REAR SIDE SHELF

Thickness of panels concerned (mm)

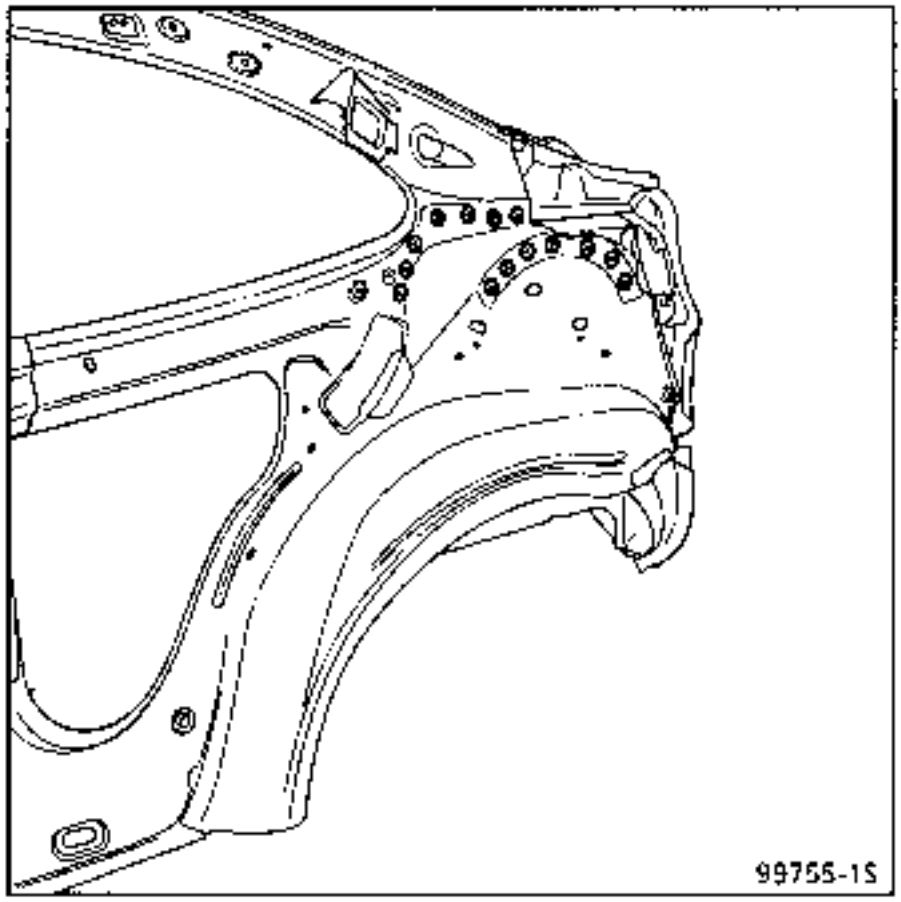
Rear quarter panel lining	0.7
Rear side cross member	0.8

Unpicking

14 spot welds on thickness 0.7, on the vehicle plus 14 spot welds on thickness 0.7, on the part

NOTE : On the part from the Parts Department, the rear side shelf must be unpicked (also provided).

Welding



5 JOINT WITH REAR INTERIOR WHEEL ARCH

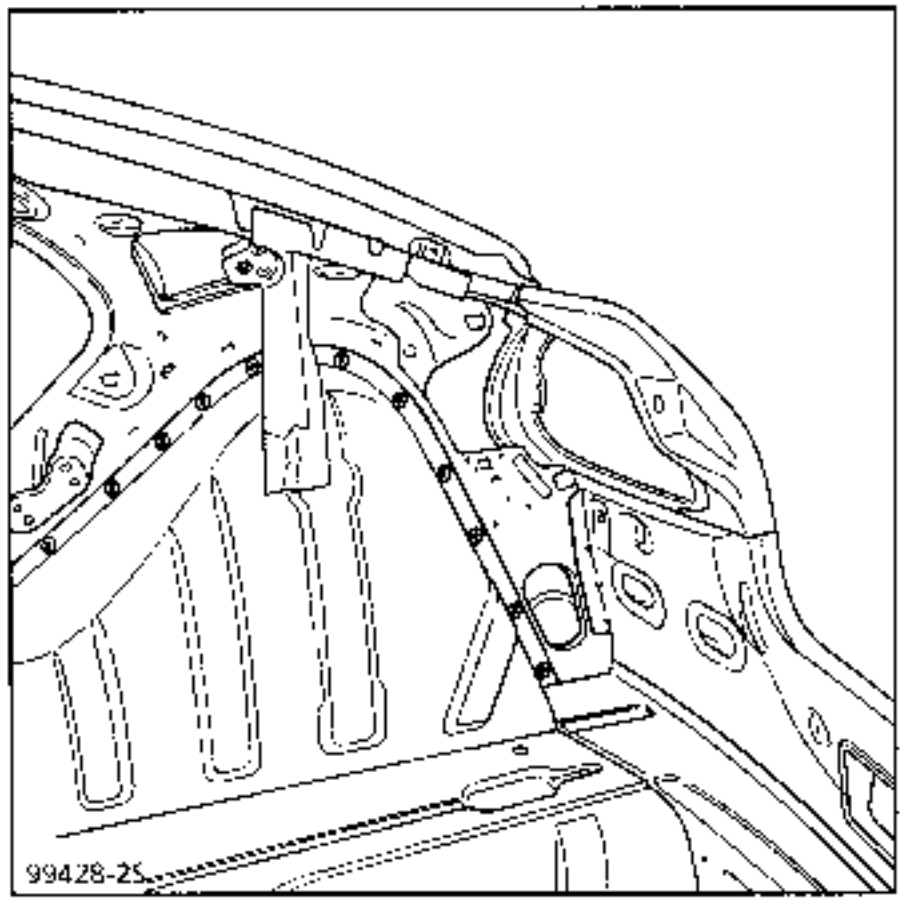
Thickness of panels concerned (mm)

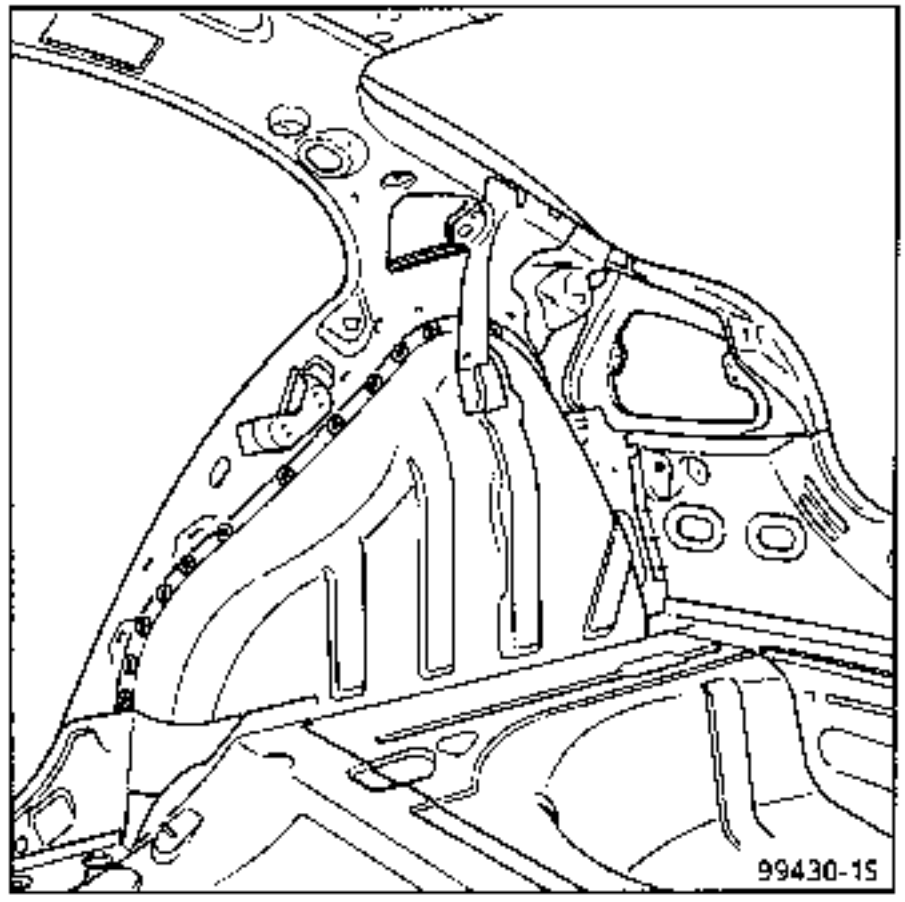
Rear quarter panel lining	0.7
Rear interior wheel arch	0.7

Unpicking

17 spot welds on thickness 0.7

Welding





6 JOINT WITH REAR SIDE MEMBER

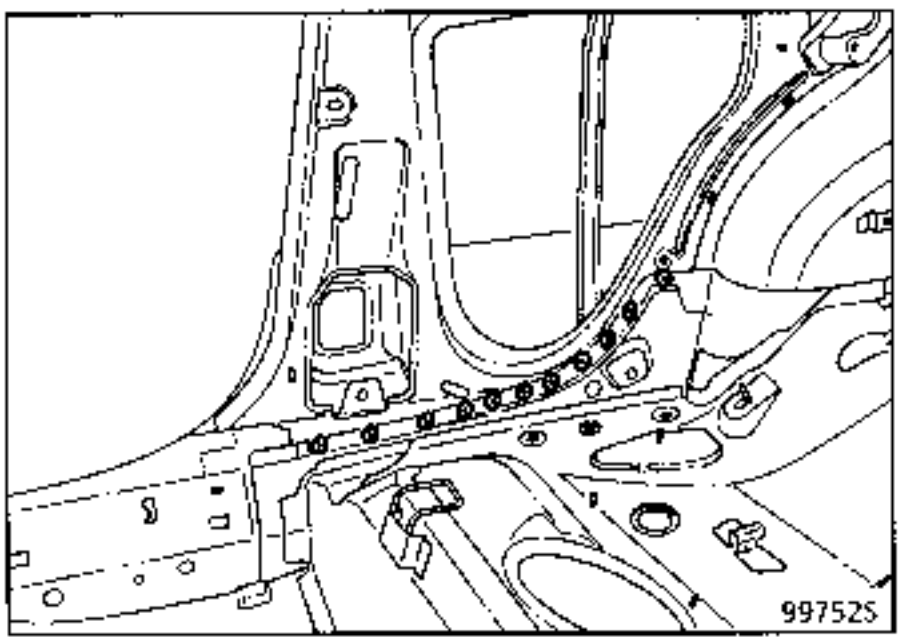
Thickness of panels concerned (mm)

Rear quarter panel lining	0.7
Rear side member	1.2

Unpicking

11 spot welds on thickness 0.7

Welding



7 JOINT WITH REAR END PANEL

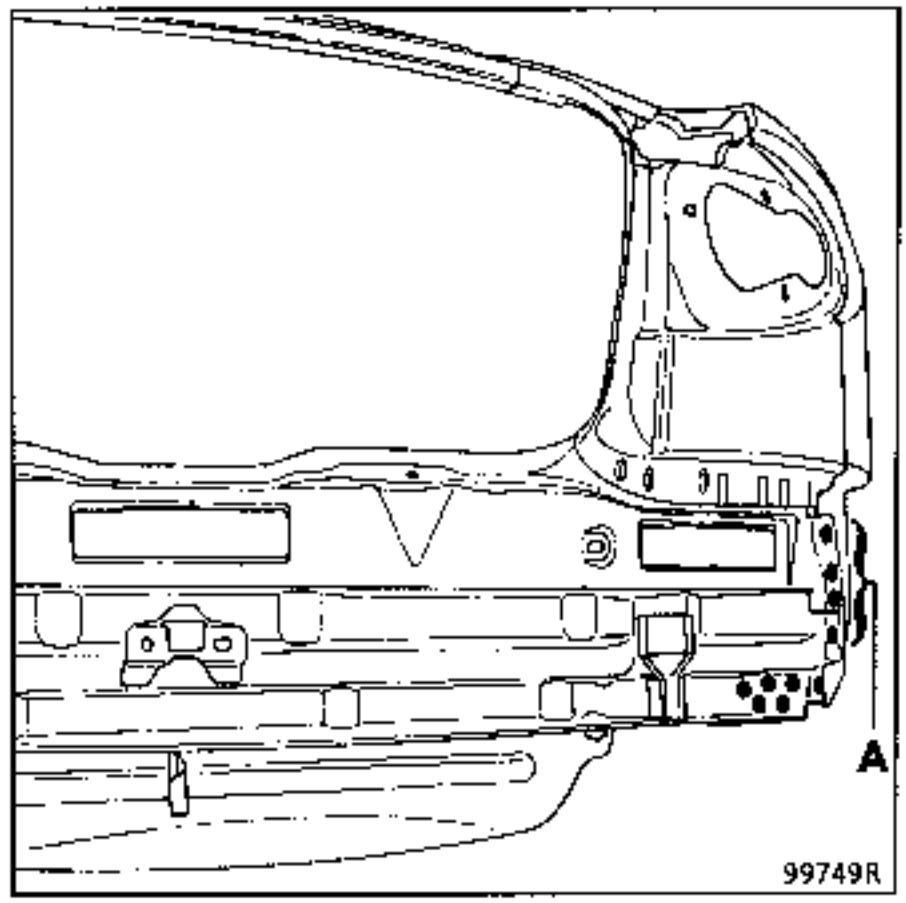
Thickness of panels concerned (mm)

Rear quarter panel lining	0.7
Upper rear end panel	0.6
Lower rear end panel	1

Unpicking

3 spot welds on thickness 0.6
7 spot welds on thickness 1

Welding



NOTE : at A, welds are on 3 thicknesses.

8 JOINT WITH PART SECTION

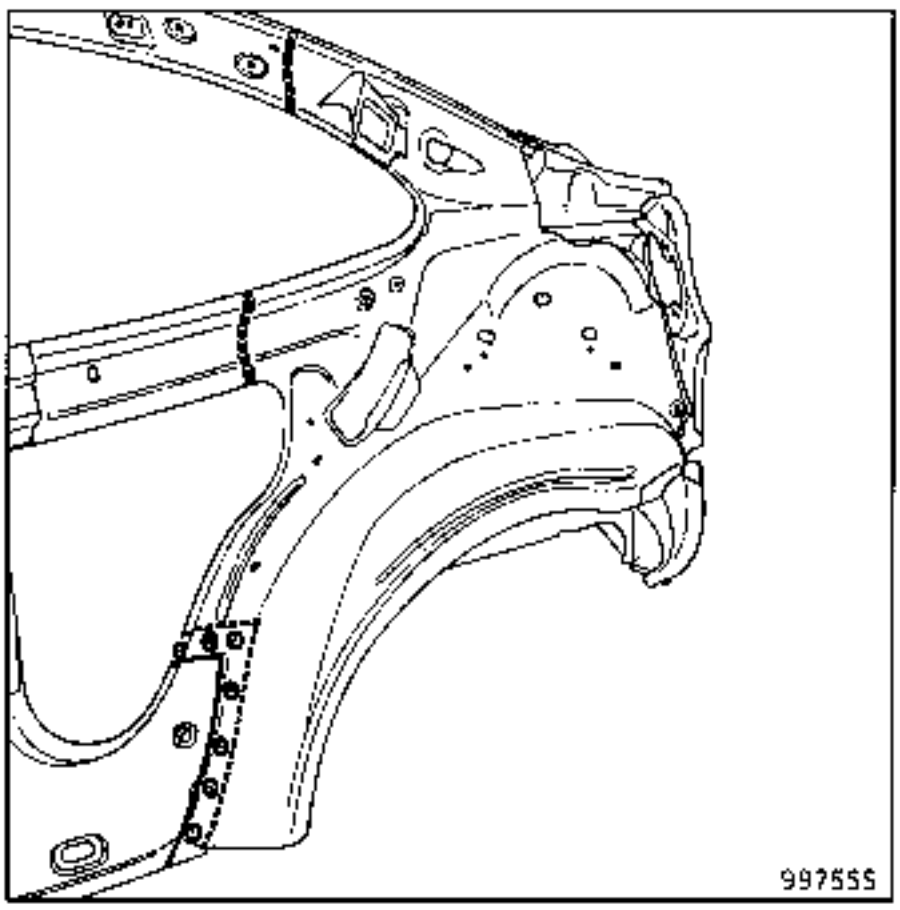
Thickness of panels concerned (mm)

Rear quarter panel lining	0.7

Unpicking

100 x 2 + 400 mm

Welding

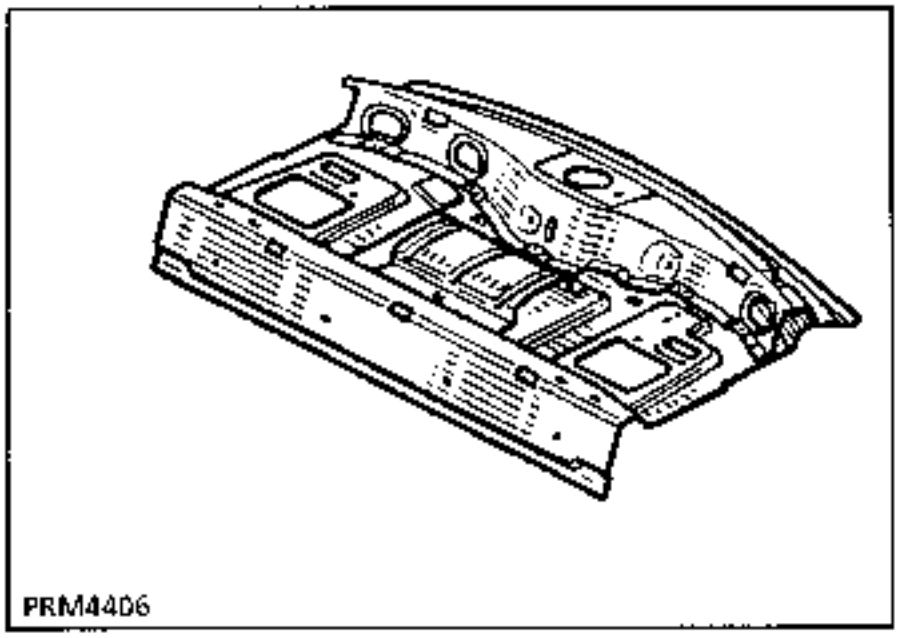


INTRODUCTION

The replacement of this part is a complementary operation to the replacement of a wing panel with rear quarter panel lining.

COMPOSITION OF PART FROM PARTS DEPARTMENT

Part assembled with:
- shelf,
- shelf cross member.



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1 JOINT WITH REAR SIDE CROSS MEMBER

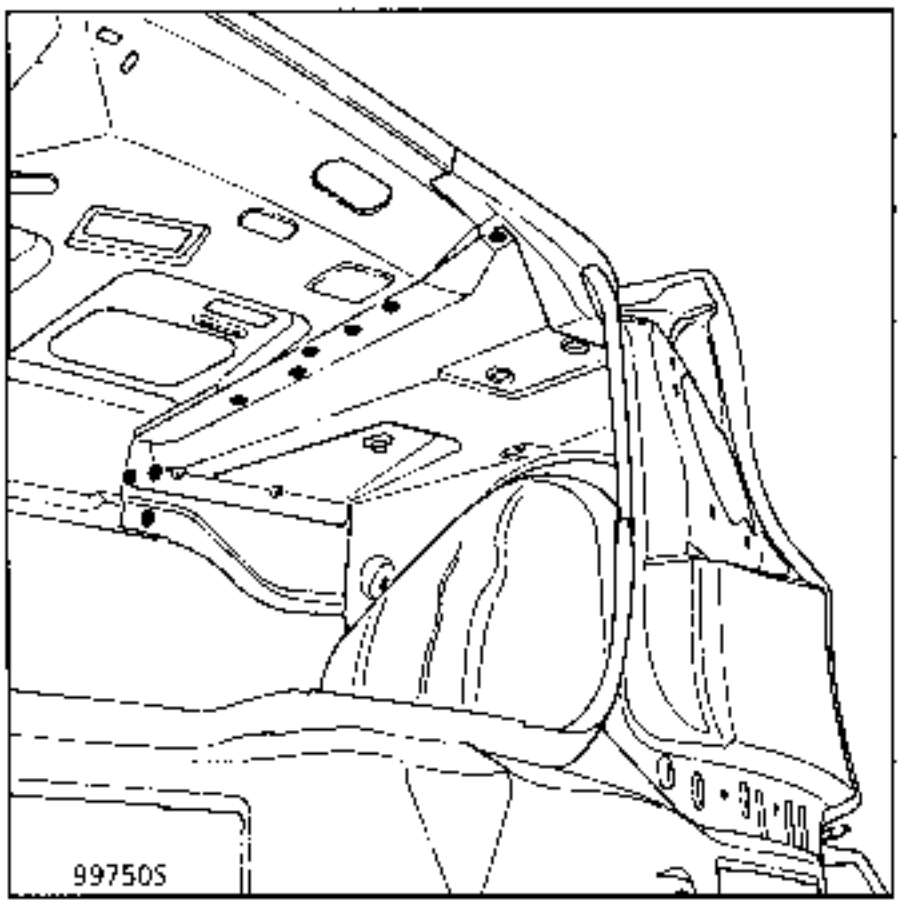
Thickness of panels concerned (mm)

Rear side cross member	0.7
Centre rear shelf	0.7
Rain channel	1

Unpicking

9 spot welds on thickness 0.7

Welding



NOTE : at A, welds are on 3 thicknesses.

2 JOINT WITH WING PANEL LOWER RAIN CHANNEL

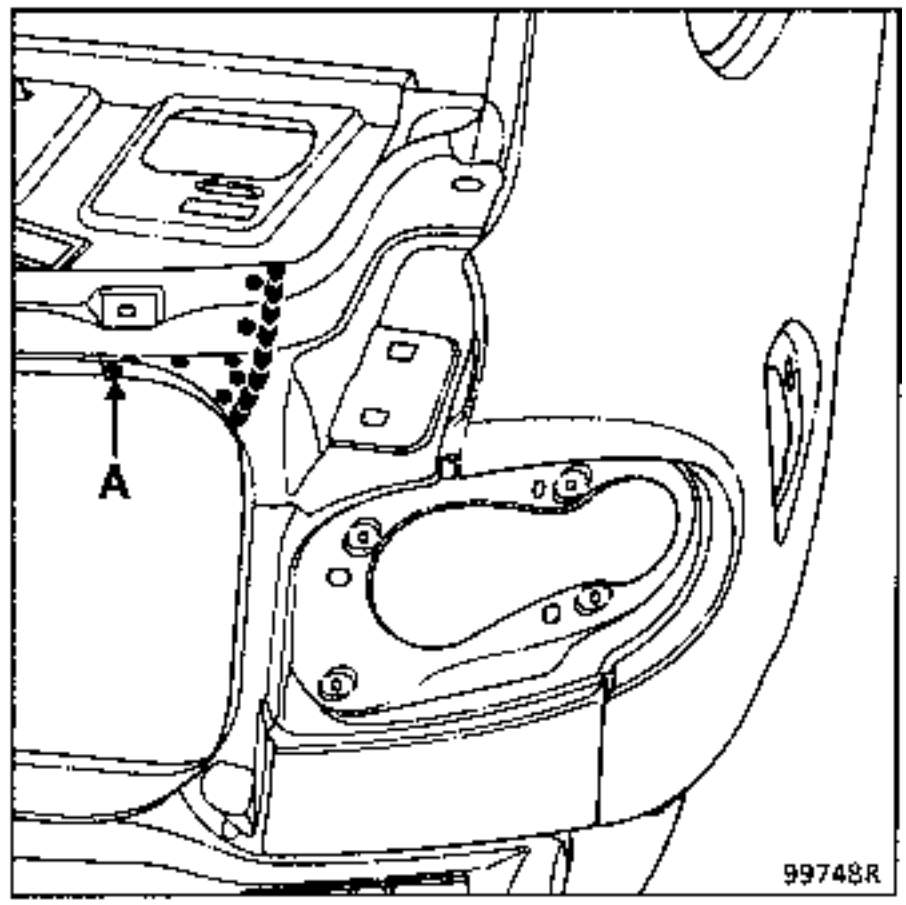
Thickness of panels concerned (mm)

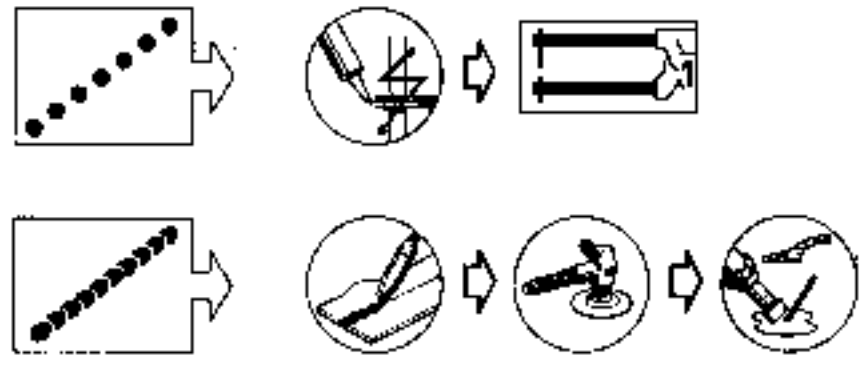
Wing panel lower rain channel	1
Centre shelf	0.7
Rear screen lower cross member	0.7

Unpicking

8 spot welds on thickness 1
1 MAG fillet of 200 mm

Welding





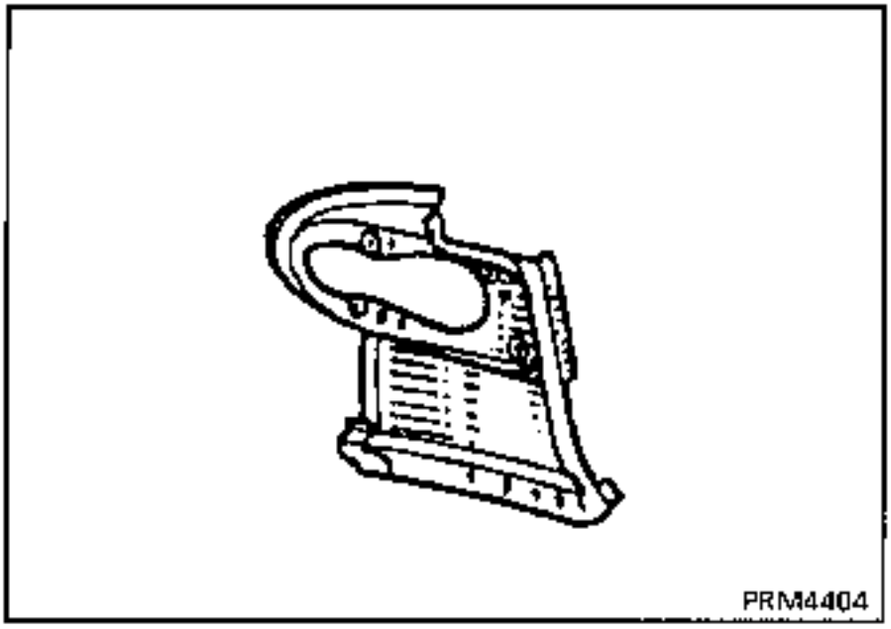
NOTE : at A, welds are on 3 thicknesses.

INTRODUCTION

The replacement of this part is a complementary operation to the replacement of a wing panel or rear end panel.

COMPOSITION OF PART FROM PARTS DEPARTMENT

Single part.



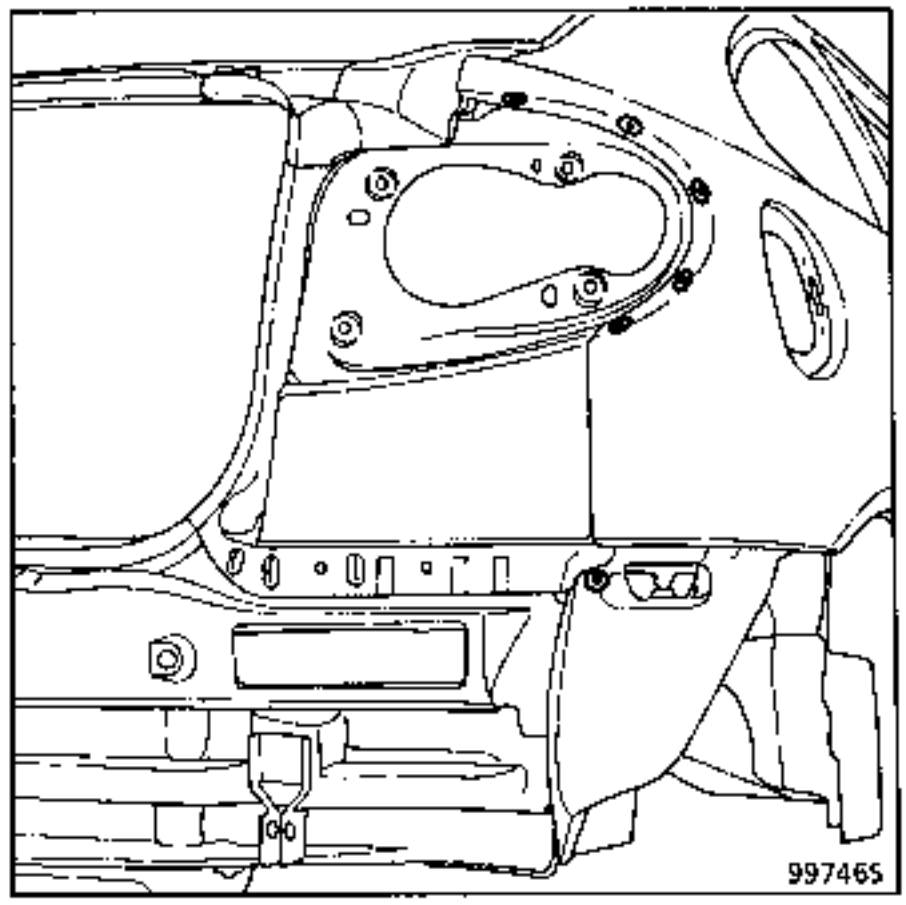
1 JOINT WITH WING PANEL

Thickness of panels concerned (mm)

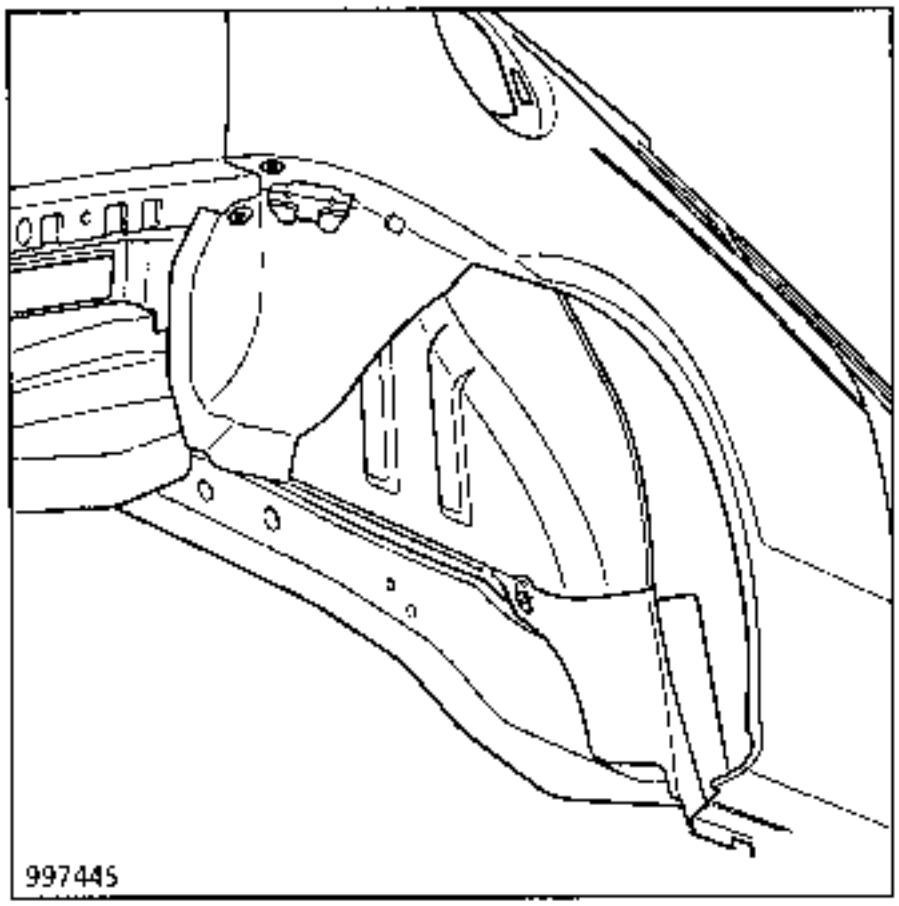
Wing panel	0.8
Rain channel	1

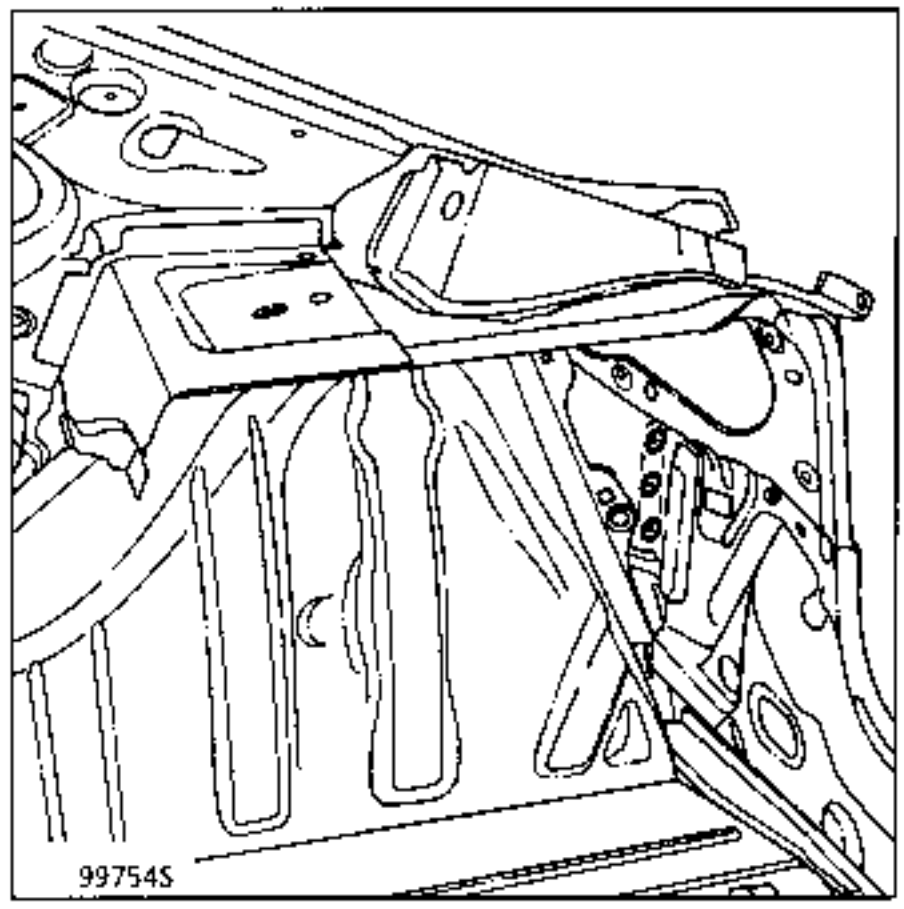
Unpicking

5 spot welds on thickness 1



Welding





2 JOINT WITH WING PANEL RAIN CHANNEL ASSEMBLY

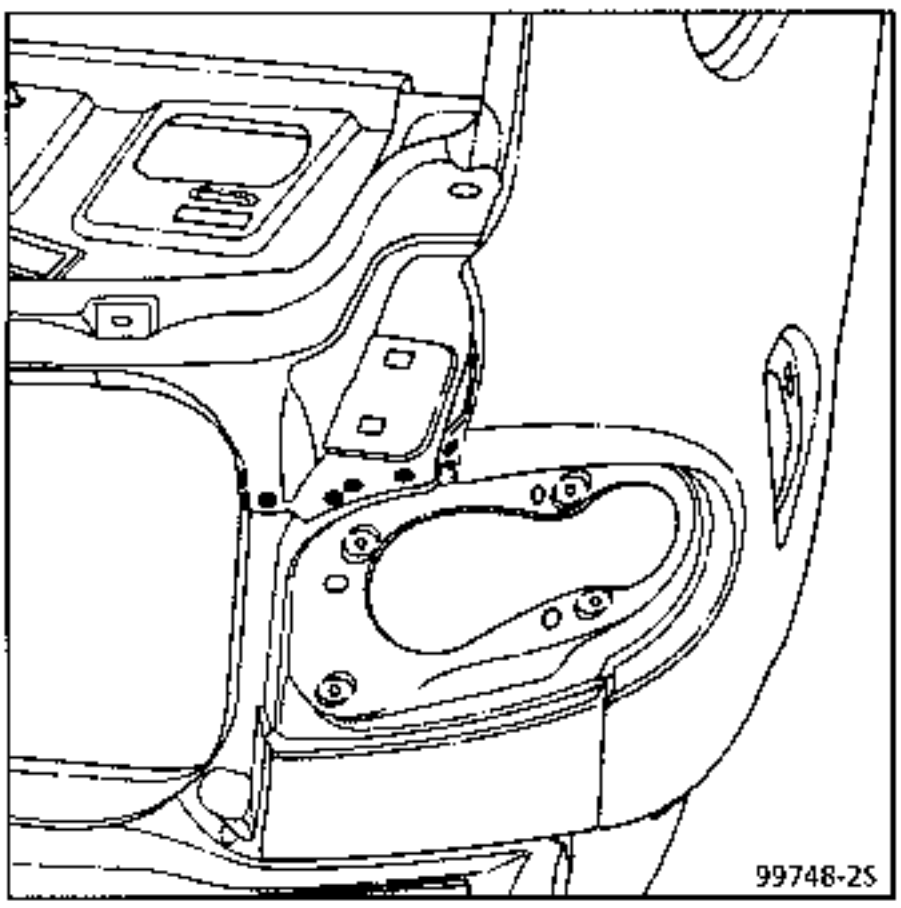
Thickness of panels concerned (mm)

Wing panel lower rain channel	1
Lights mounting	0.7

Unpicking

7 spot welds on thickness 1

Welding



3 JOINT WITH REAR END PANEL ASSEMBLY

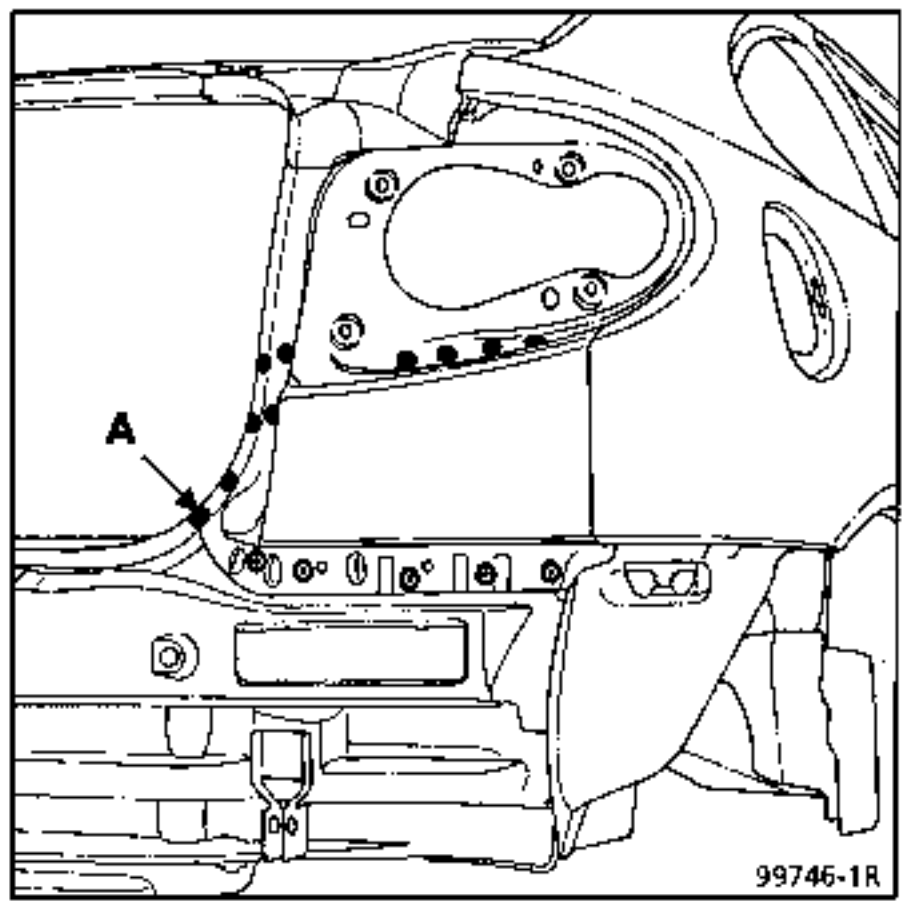
Thickness of panels concerned (mm)

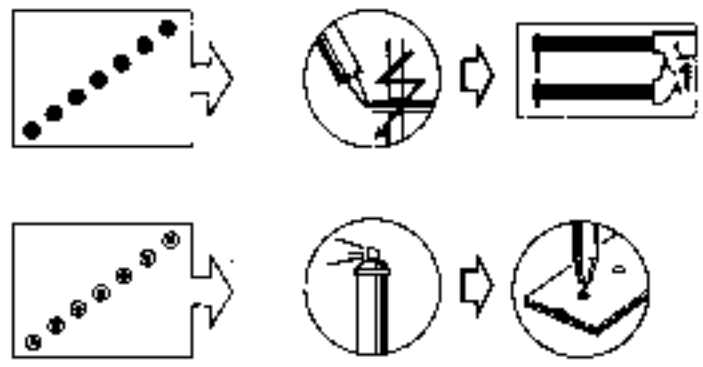
Lights mounting	0.7
Rear end panel lining	0.6
Rear end panel lining, rear end panel	0.7

Unpicking

15 spot welds on thickness 0.6

Welding





NOTE : at A, welds are on 3 thicknesses.

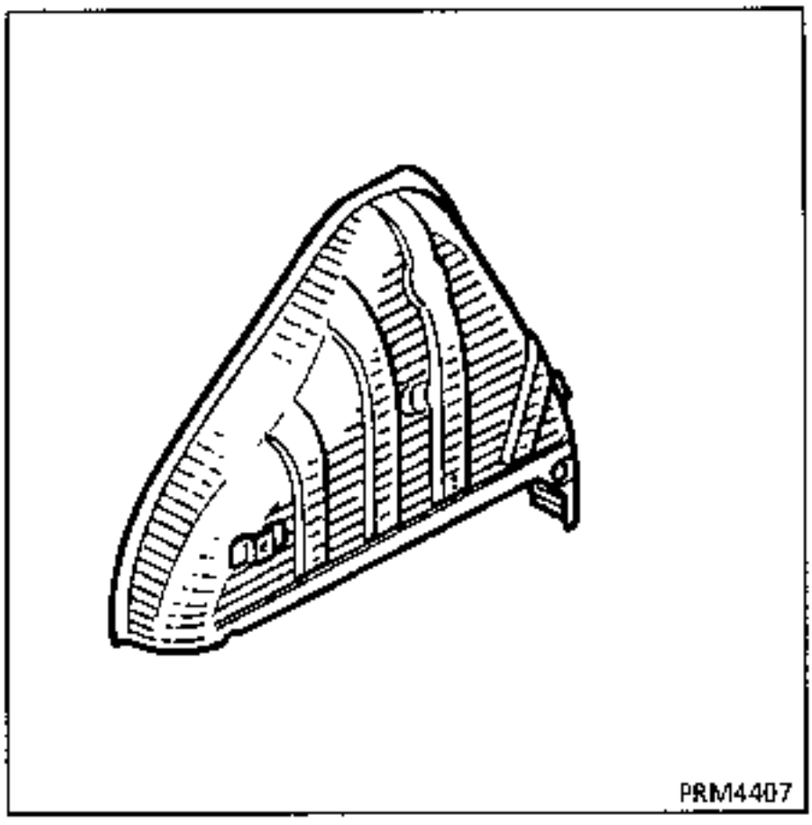
INTRODUCTION

The replacement of this part is a complementary operation to the replacement of a wing panel with rear quarter panel lining or rear floor unit.

For details of the operation, refer to the basic manual (B64).

COMPOSITION OF PART FROM PARTS DEPARTMENT

Single part.



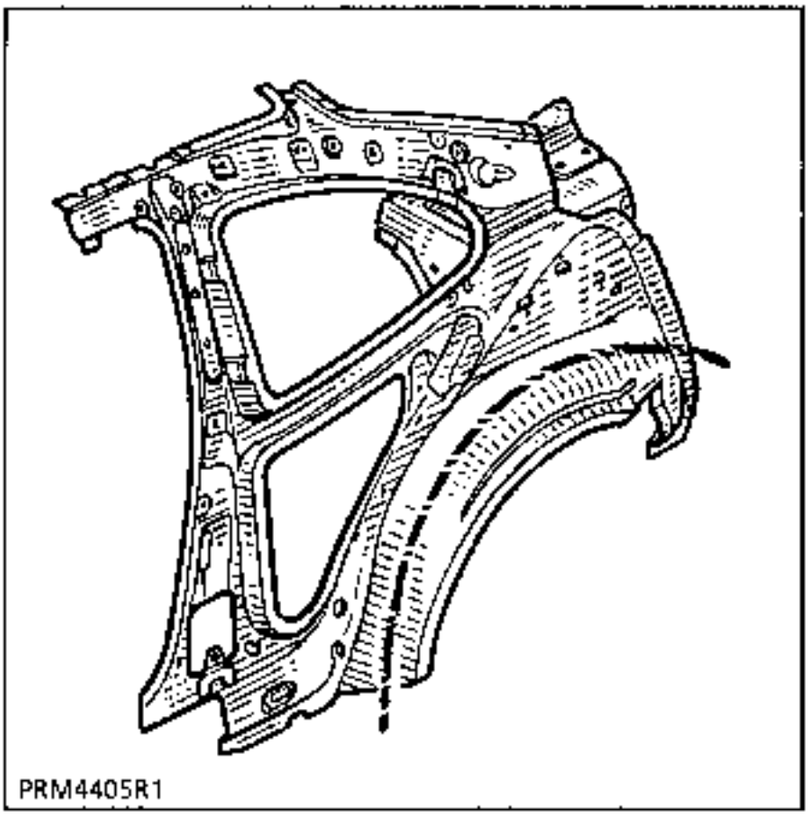
INTRODUCTION

The replacement of this part is a complementary operation to the replacement of a wing panel. It should be cut out from the body side lining, rear section.

For details of the operation, refer to the basic manual (B64).

COMPOSITION OF PART FROM PARTS DEPARTMENT

Single part.



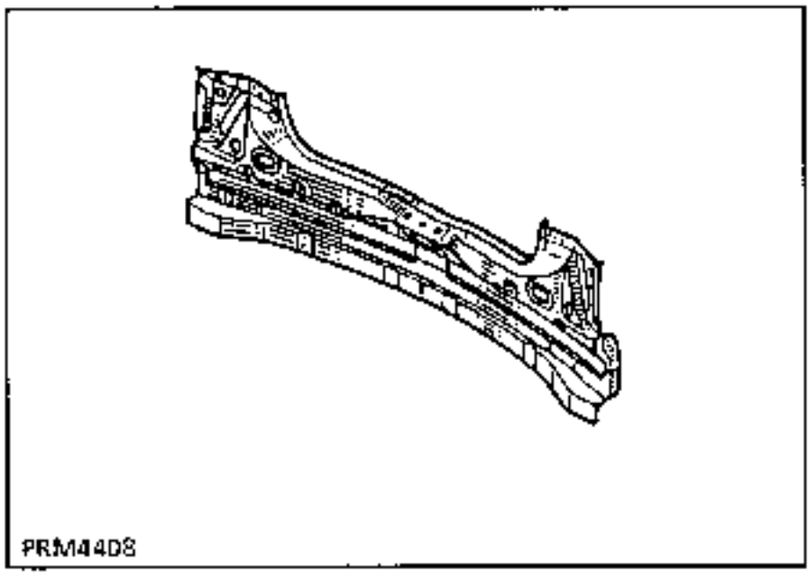
PRM4405R1

INTRODUCTION

The replacement of this part is a basic operation for a rear collision.

COMPOSITION OF PART FROM PARTS DEPARTMENT

Part assembled with :
- upper rear end panel,
- lower rear end panel,
- rear end panel lining,
- lock reinforcement.


PRM44D8

1 JOINT WITH REAR QUARTER PANEL LINING

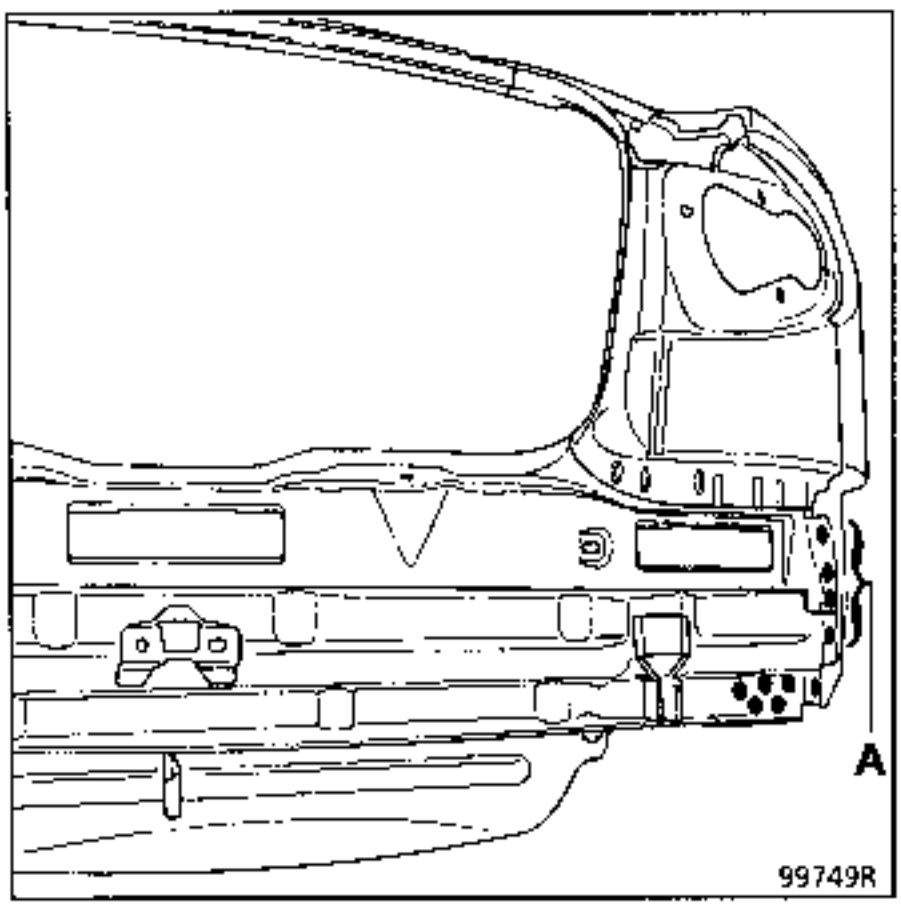
Thickness of panels concerned (mm)

Rear quarter panel lining	0.7
Upper rear end panel	0.6
Lower rear end panel	1

Unpicking

3 spot welds on thickness 0.6
7 spot welds on thickness 1

Welding



NOTE : at A, welds are on 3 thicknesses.

2 JOINT WITH LIGHTS MOUNTING

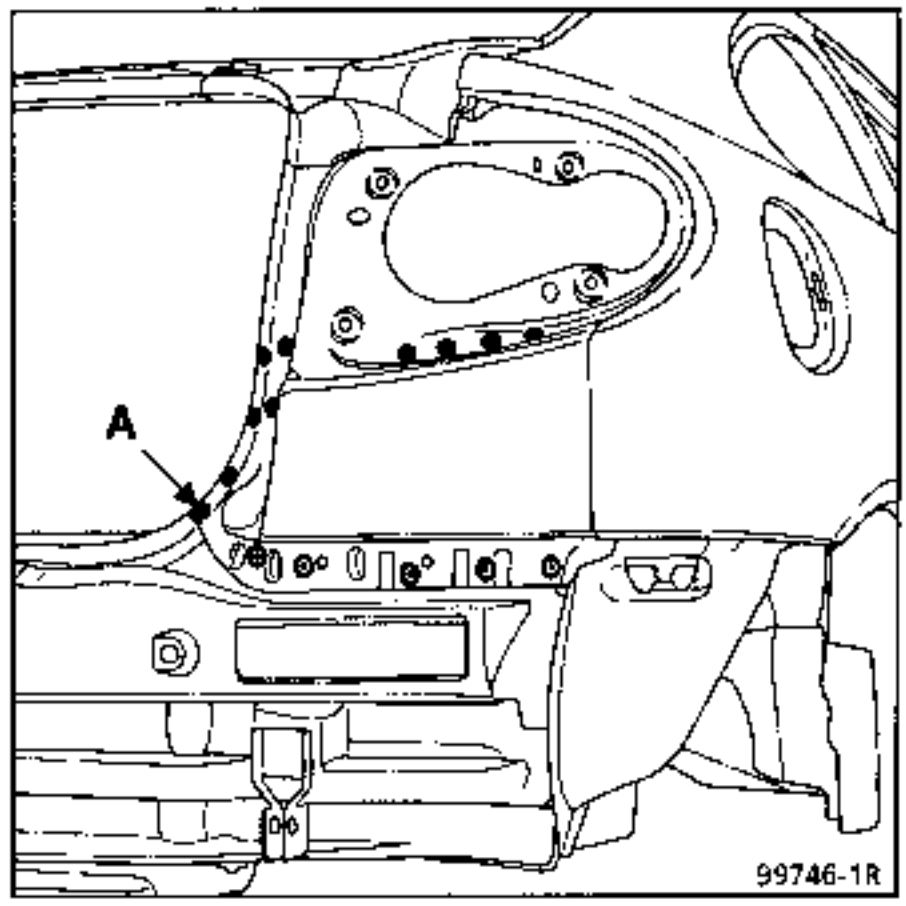
Thickness of panels concerned (mm)

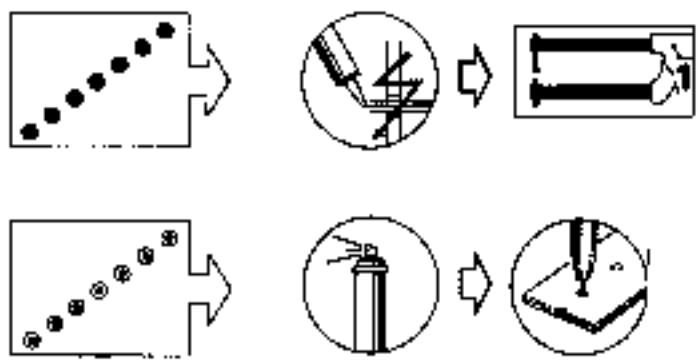
Lights mounting	0.7
Rear end panel lining	0.6
Rear end panel lining, rear end panel	0.7

Unpicking

15 spot welds on thickness 0.6

Welding





NOTE : at A, welds are on 3 thicknesses.

3 JOINT WITH REAR LOWER CROSS MEMBER

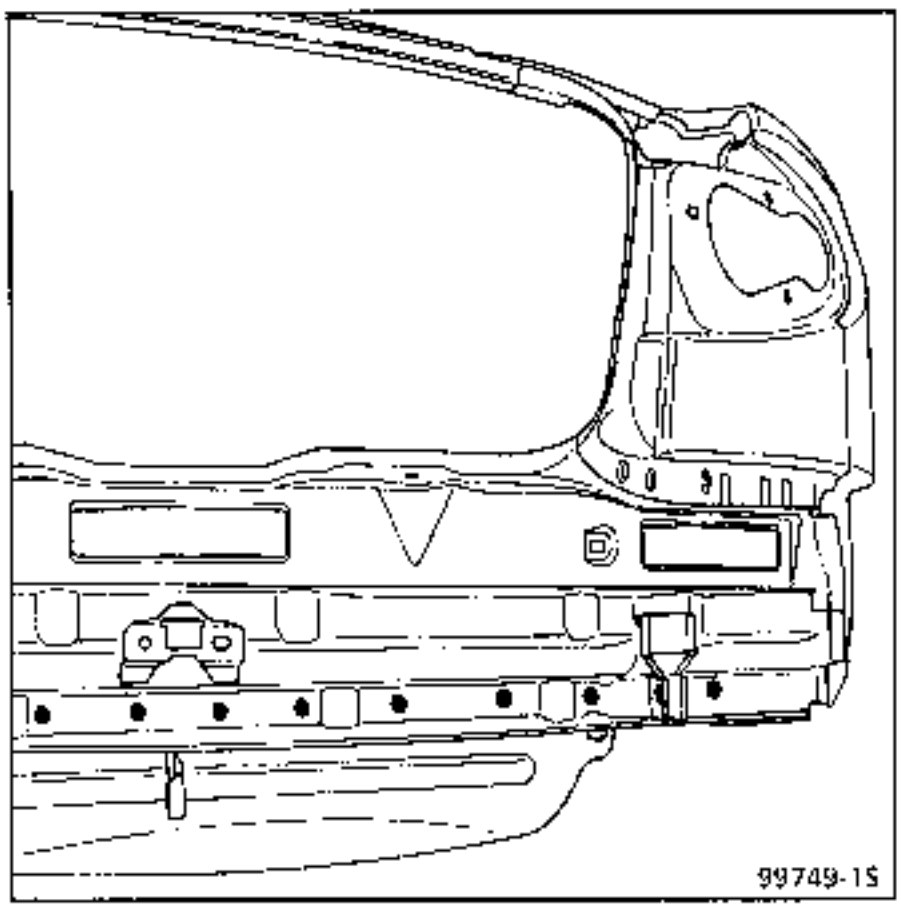
Thickness of panels concerned (mm)

Lower rear end panel	1
Rear lower cross member	1

Unpicking

14 spot welds on thickness 1

Welding



4 JOINT WITH REAR FLOOR

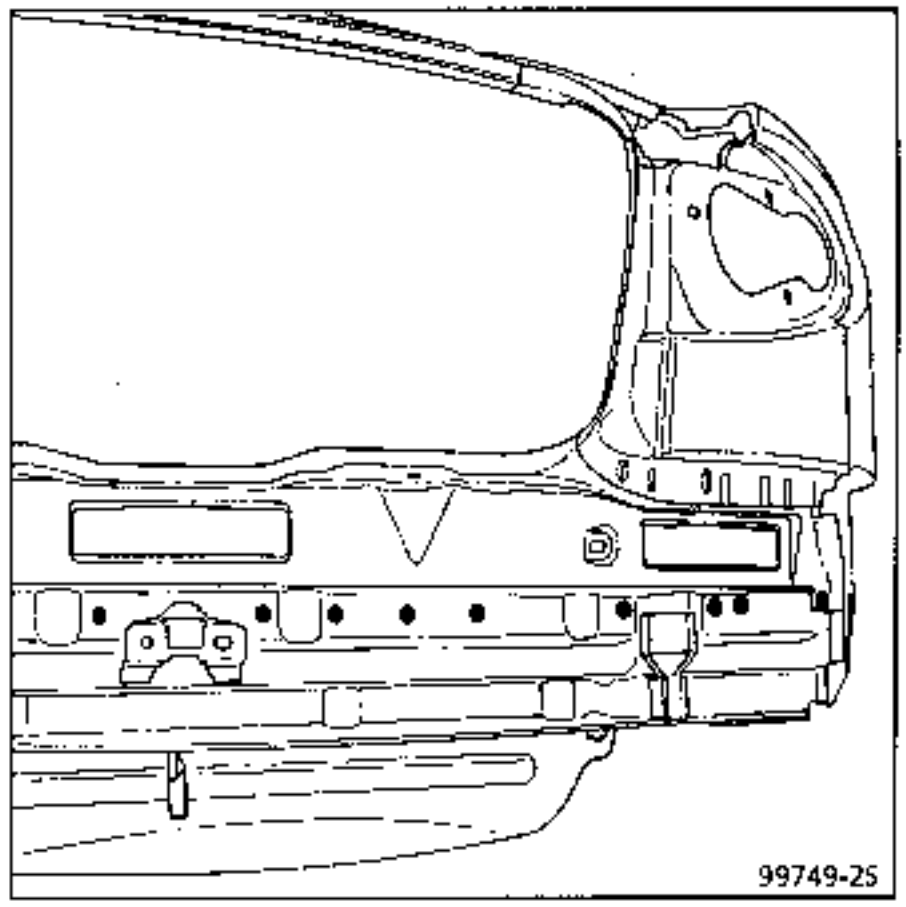
Thickness of panels concerned (mm)

Lower rear end panel	1
Rear floor	0.7

Unpicking

16 spot welds on thickness 1

Welding

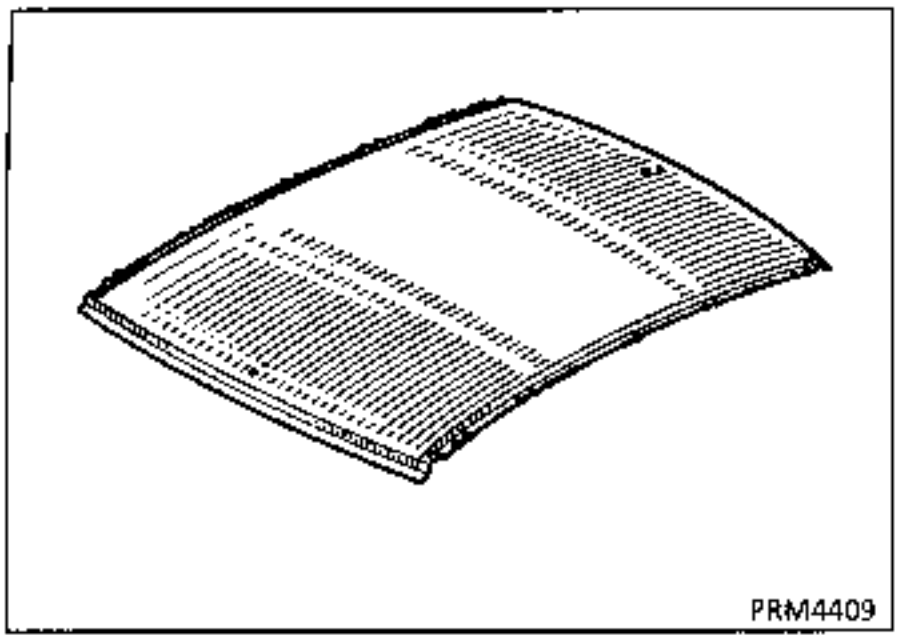


INTRODUCTION

The replacement of this part is a basic operation for a side impact or if the vehicle has rolled over.

COMPOSITION OF PART FROM PARTS DEPARTMENT

Single part.



PRM4409

1 JOINT WITH FRONT ROOF CROSS MEMBER

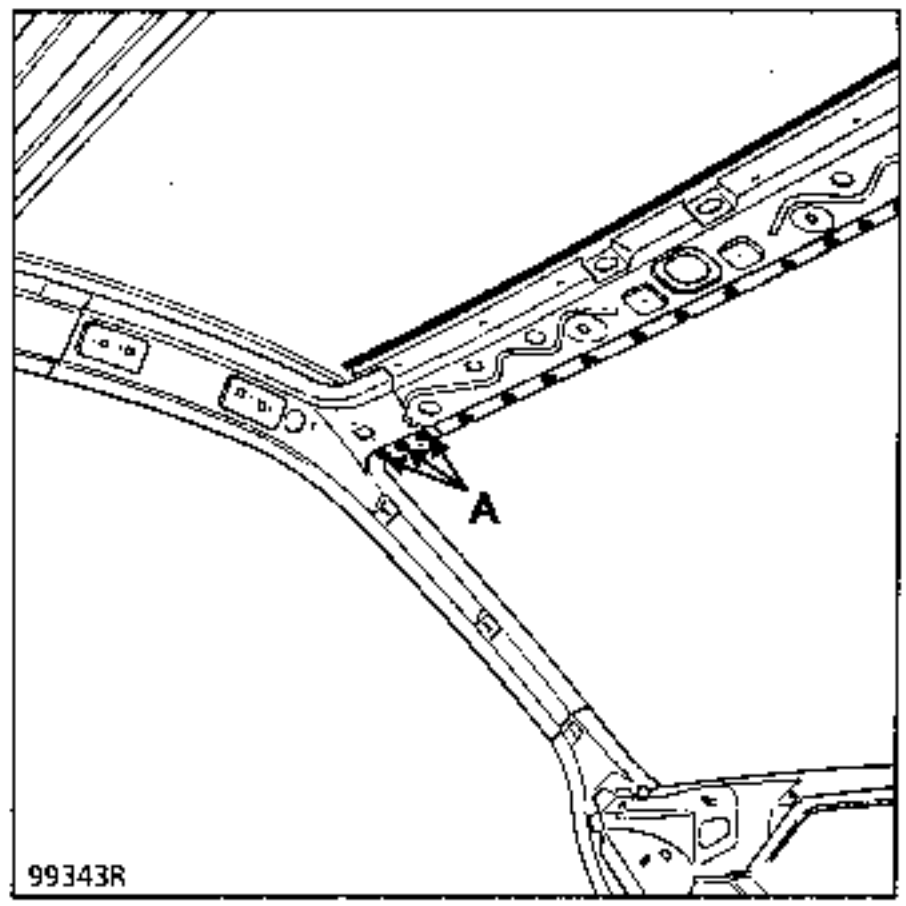
Thickness of panels concerned (mm)

Windscreen pillar lining	1.5
Front roof cross member	0.7
Roof	0.7

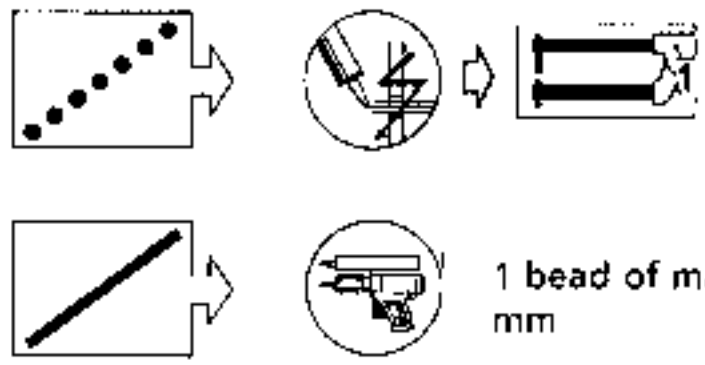
Unpicking

18 spot welds on thickness 0.7

Welding



99343R



1 bead of mastic 1200 mm

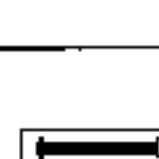
NOTE : at A, welds are on 3 thicknesses.

2 JOINT WITH TOP OF BODY

Thickness of panels concerned (mm)

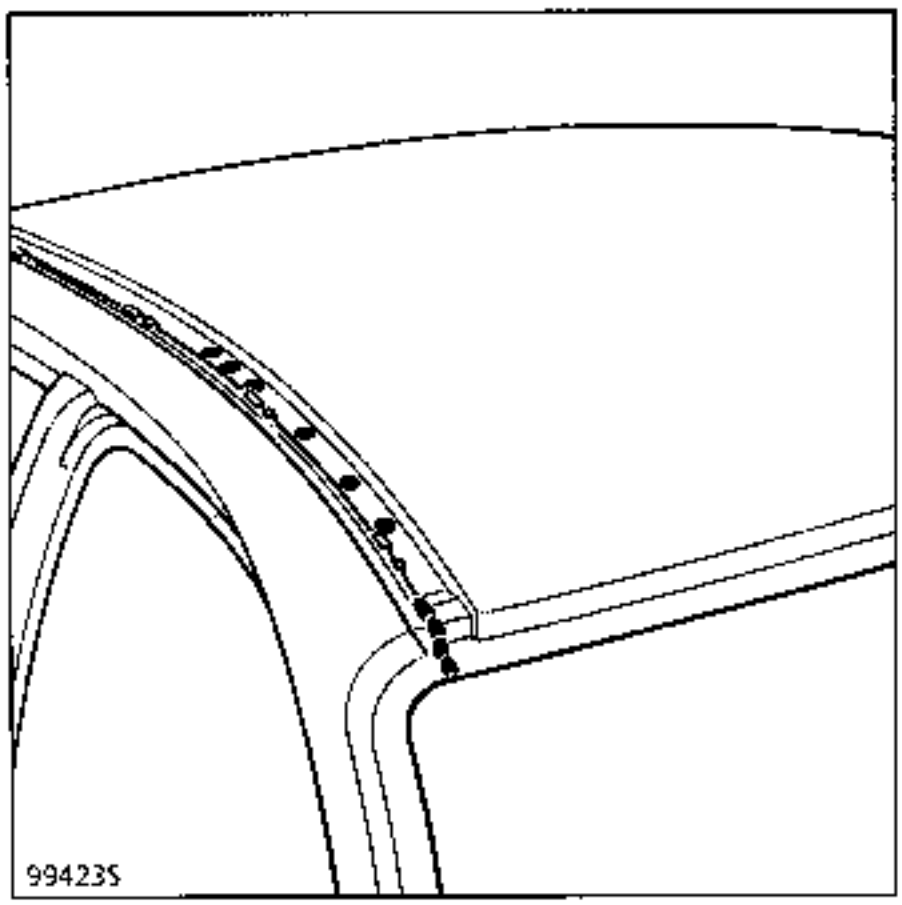
Roof	0.7
Windscreen pillar lining	1.5
Rear quarter panel lining	0.7
Top of body	0.8

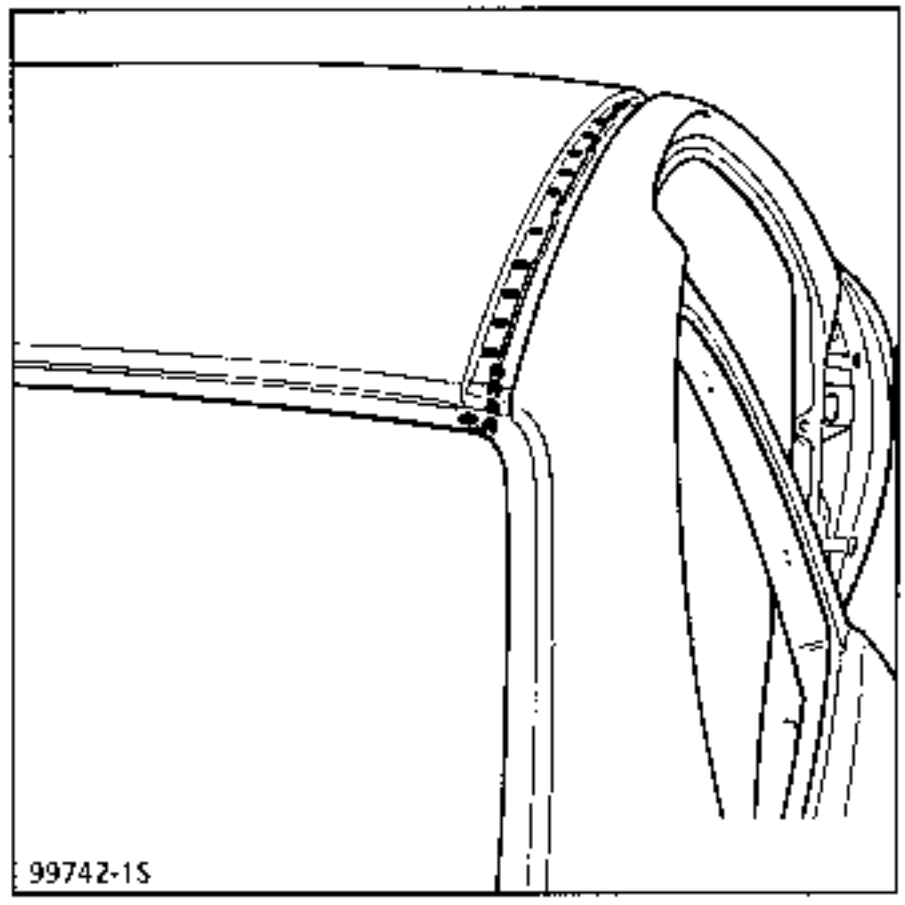
Unpicking



14 x 2 spot welds on thickness 0.7
2 x 2 MAG fillets of 50 mm

Welding





NOTE : at A, welds are on 3 thicknesses.

3 JOINT WITH REAR ROOF CROSS MEMBER

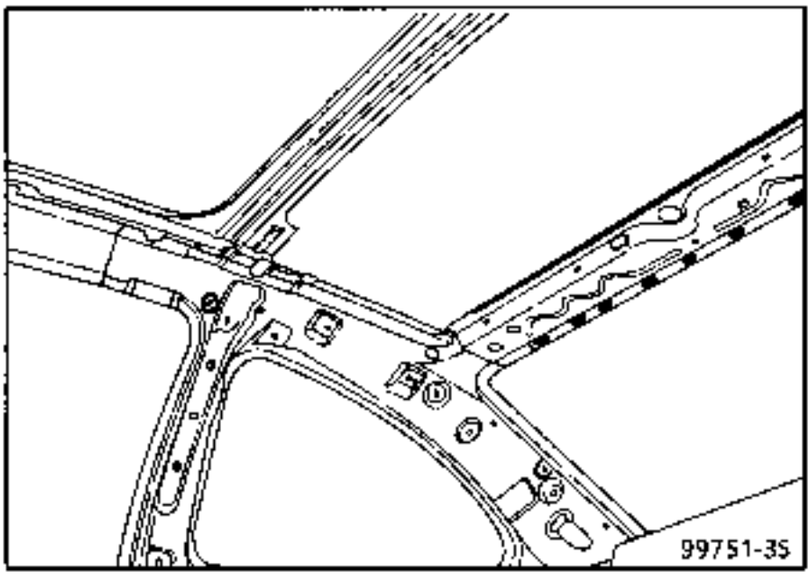
Thickness of panels concerned (mm)

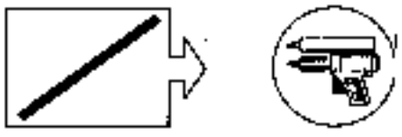
Rear roof cross member	0.7
Roof	0.7

Unpicking

14 spot welds on thickness 0.7

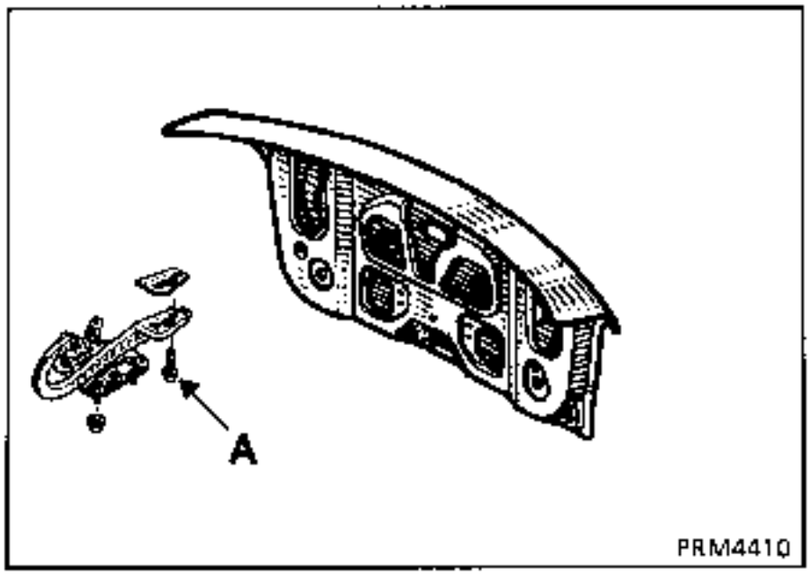
Welding





1 bead of mastic 1200 mm

COMPOSITION OF PART FROM PARTS DEPARTMENT



REMOVAL - REFITTING

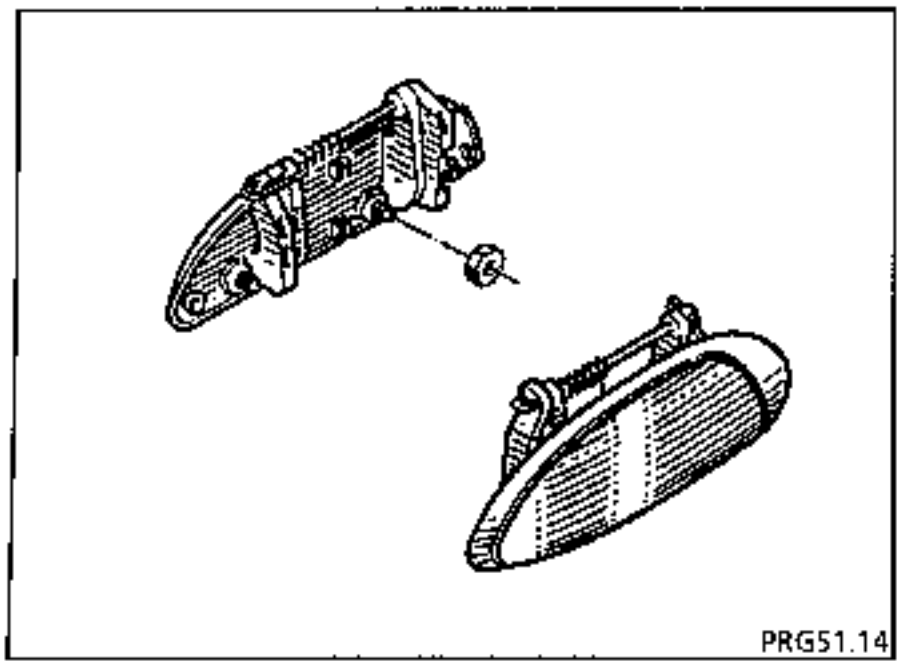
Remove the four bolts (A) mounting the boot lid to the struts (note the position if necessary).
Retain the adjusting shims which must be put back on refitting.
When replacing the part, carry out the adjustment operations described below.

NOTE : When removing one of the struts, renew the sealing between the strut plate and the body-work.

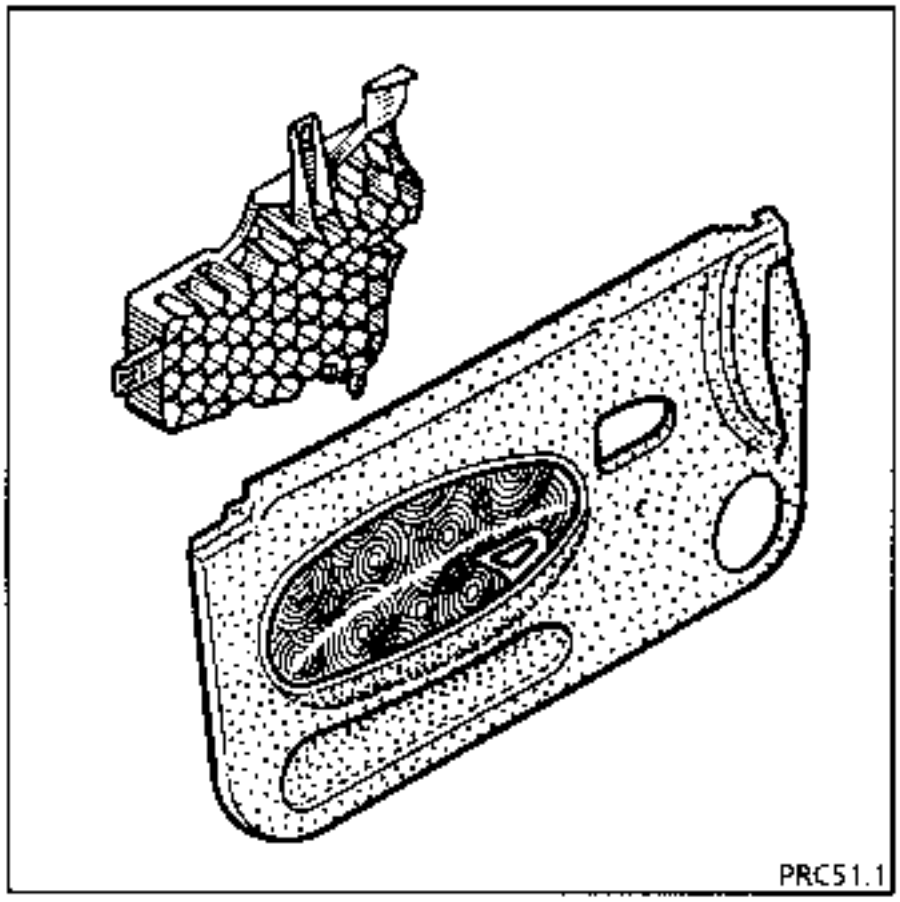
ADJUSTMENTS

The opening clearances are adjusted using mountings (A).
Adjustment of the upper section is carried out using shims (C) between the strut and the tailgate.
Adjustment is made for the lower section using the rubber stops (B).

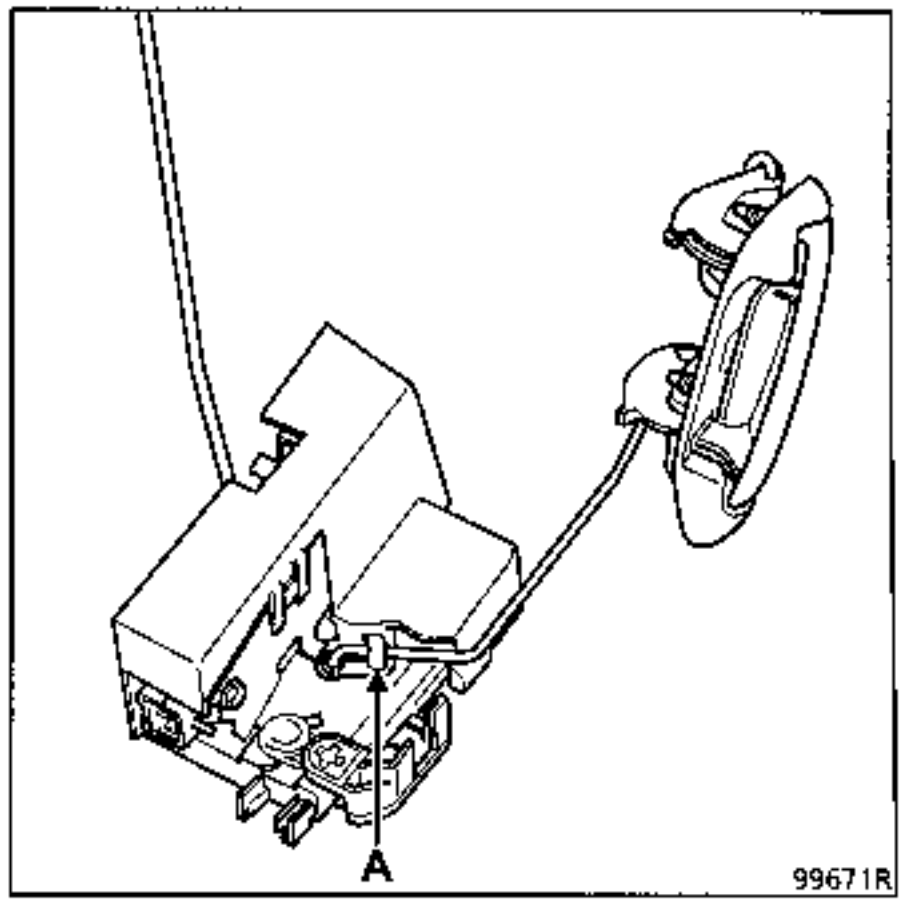
NOTE : In all cases when adjusting, always adjust the strut contact points before adjusting the lock.



REMOVAL

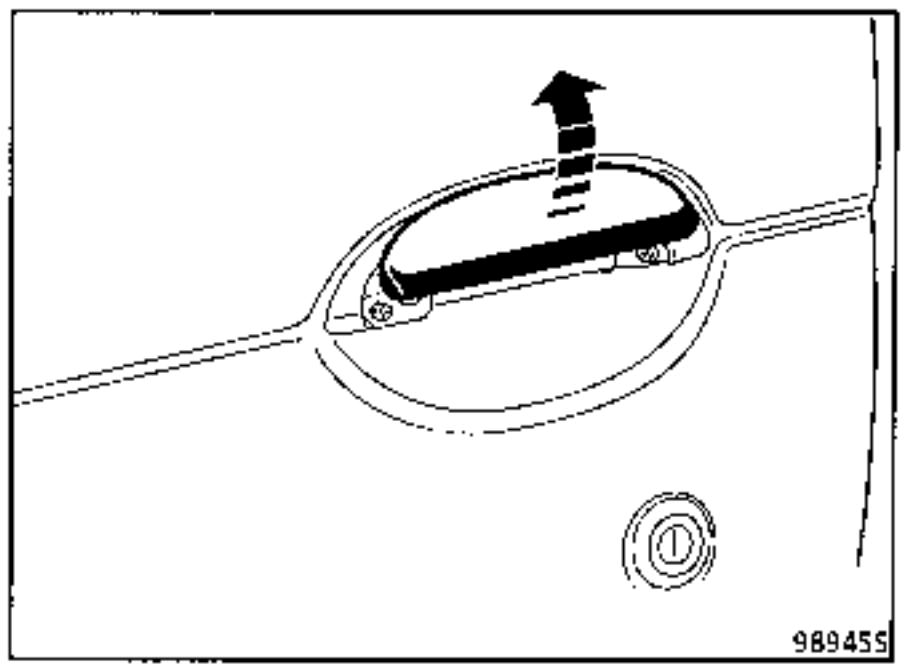


Remove:
- the door trim panel (see 72A),
- the front door interior side impact absorber (see 59A).



To remove the lock opening control linkage, release it at clip (A).

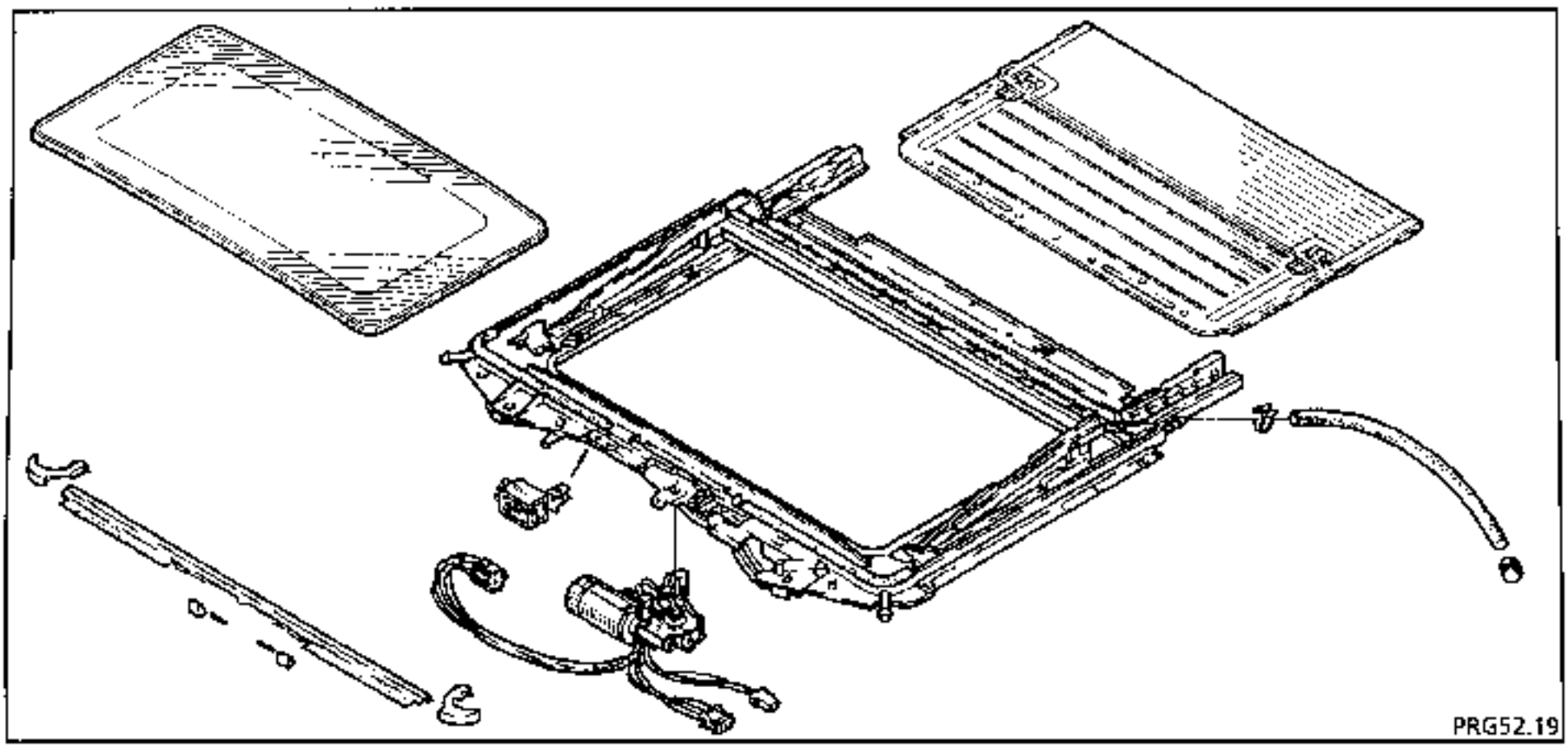
Remove the two door handle mounting nuts.



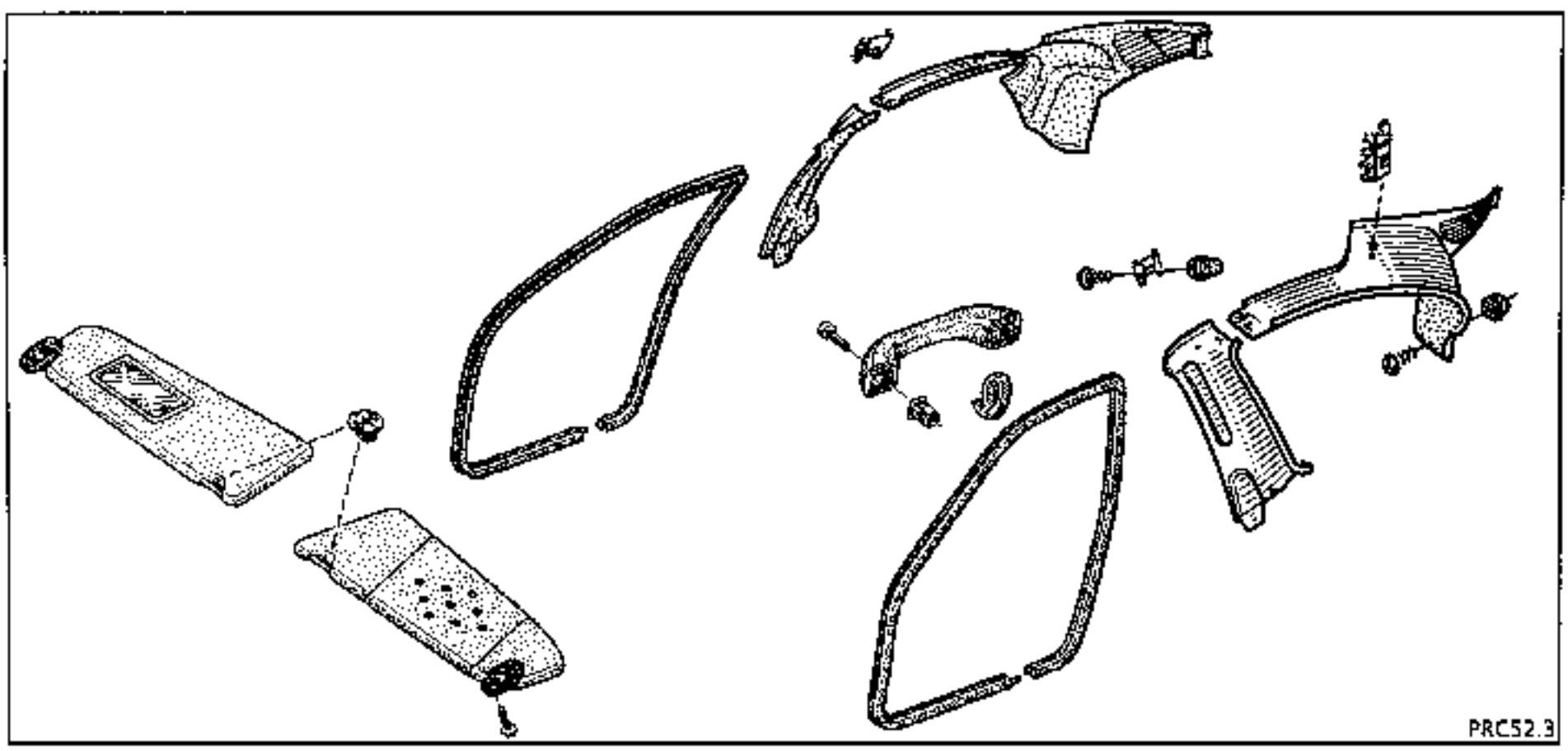
Lift the handle to the open position.

Tilt the handle as shown above to remove it.

DESCRIPTION



REMOVAL

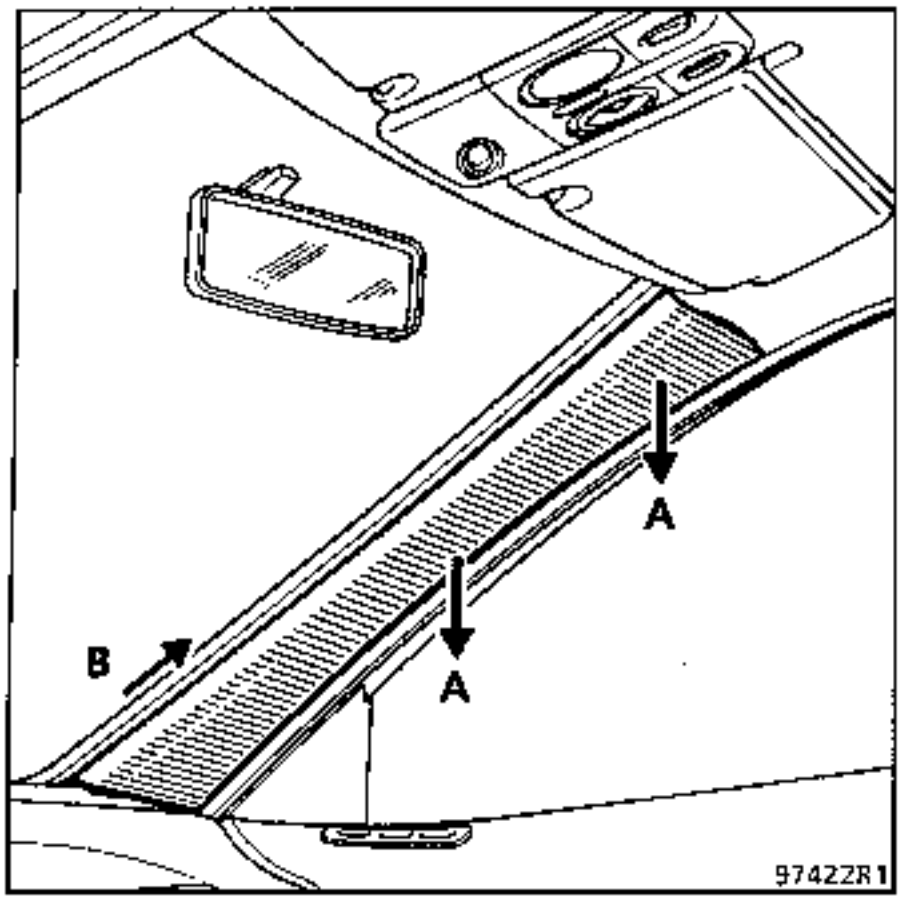


Disconnect the battery.

Remove:
- the front door seals,
- the grab handles,
- the upper centre pillar linings (see 71A),
- the upper rear quarter panel linings (see 71C),
- the front sun visors.

IMPORTANT : if there is a fault, the sunroof may be operated manually.

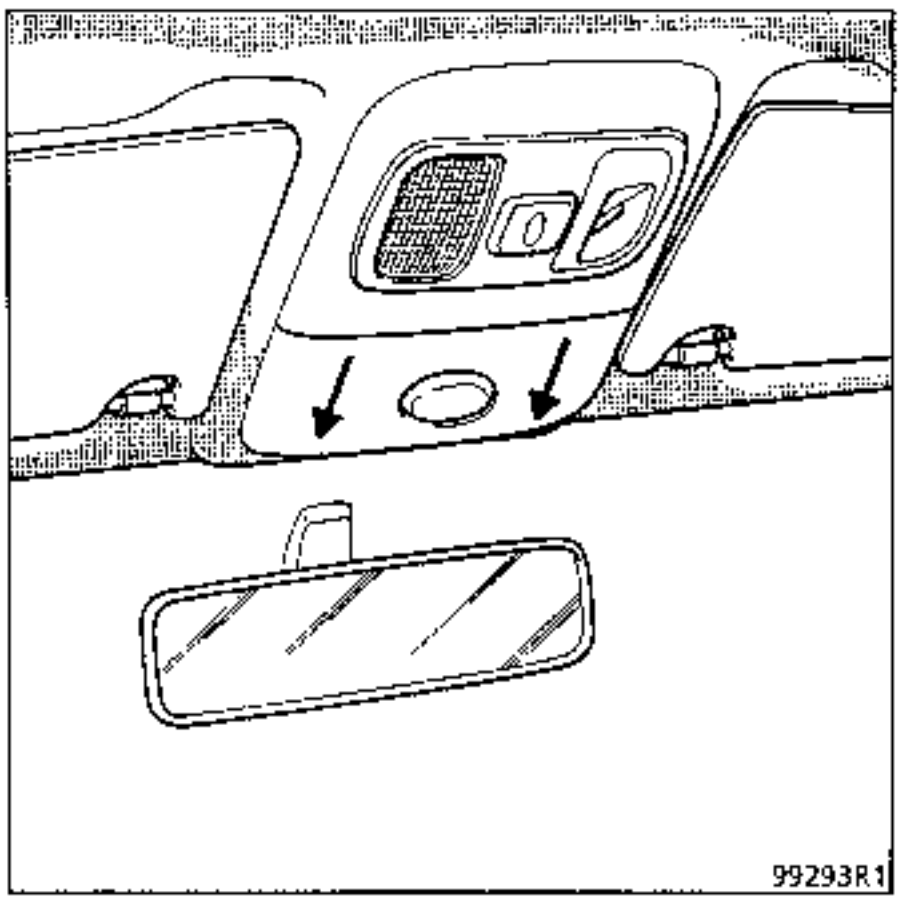
To do this, remove the roof console and move the sunroof using a 4mm allen key (see 52B)



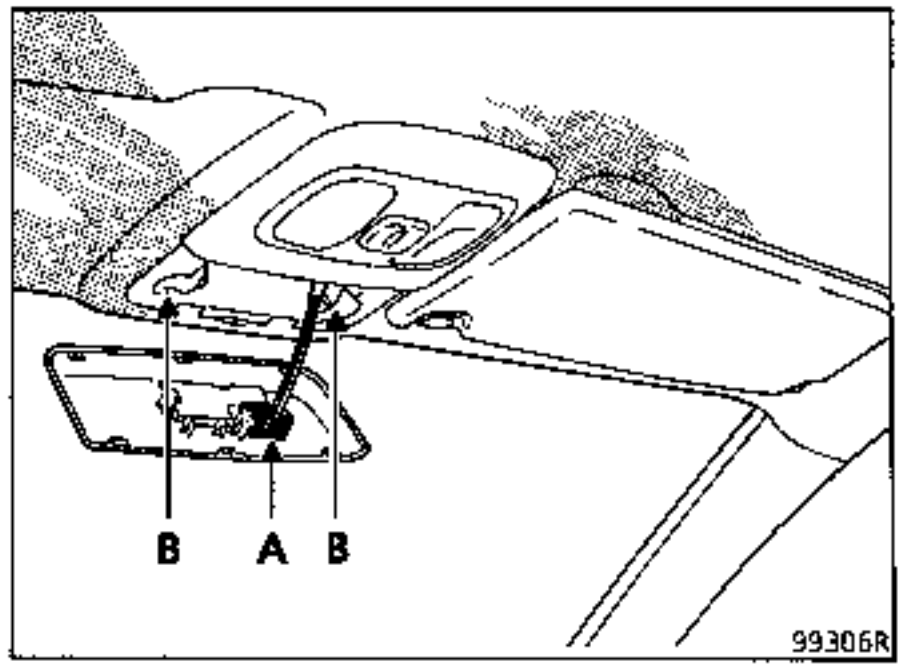
Remove the windscreen pillar lining.

Carefully unclip the two upper clips (A).

Pull the lining towards the rear of the vehicle to release the third clip (B).



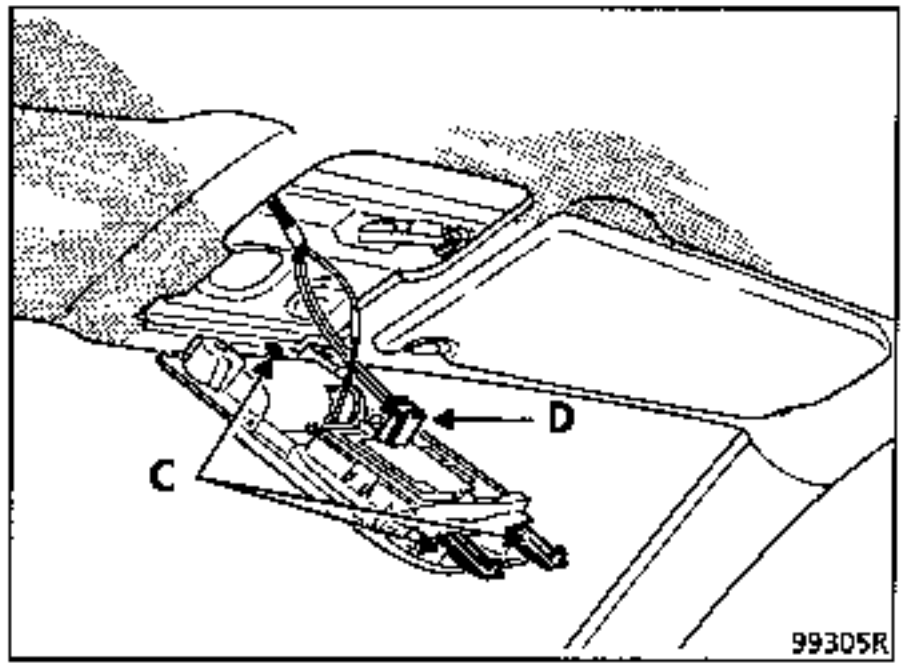
Release the cover as shown above to free the two mounting clips.



Disconnect the wiring harness (A).

Remove the cover.

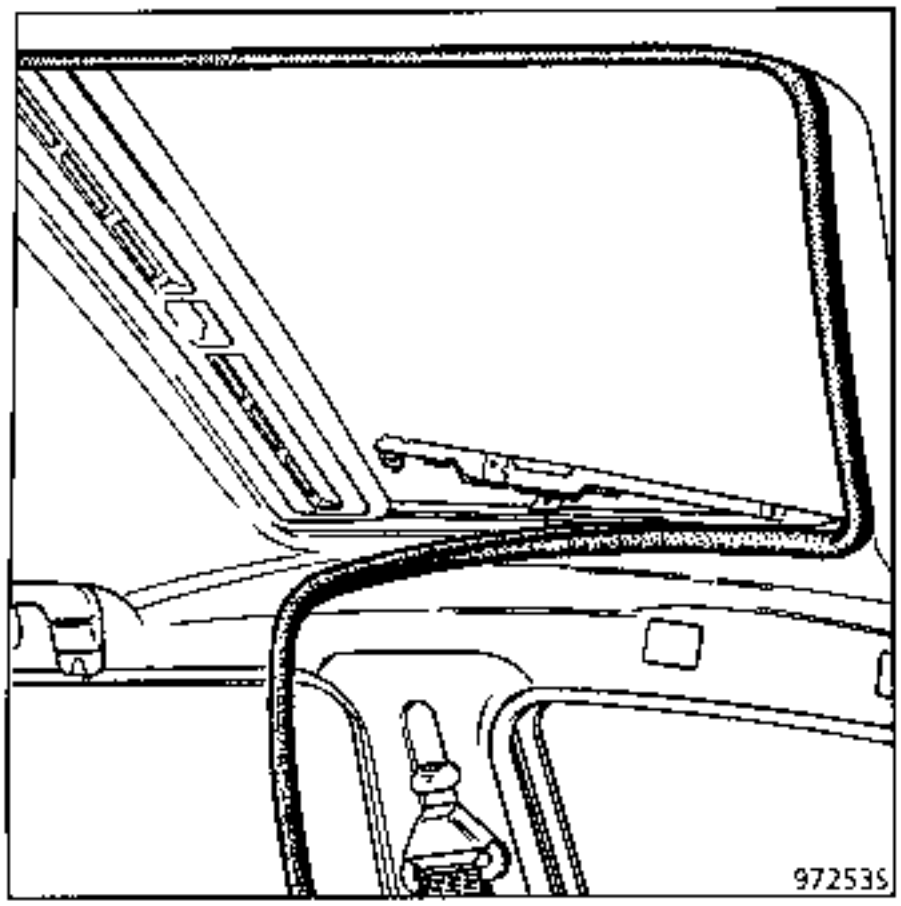
Remove the 2 bolts (B).



Remove the console towards the front of the vehicle to free the three clips (C).

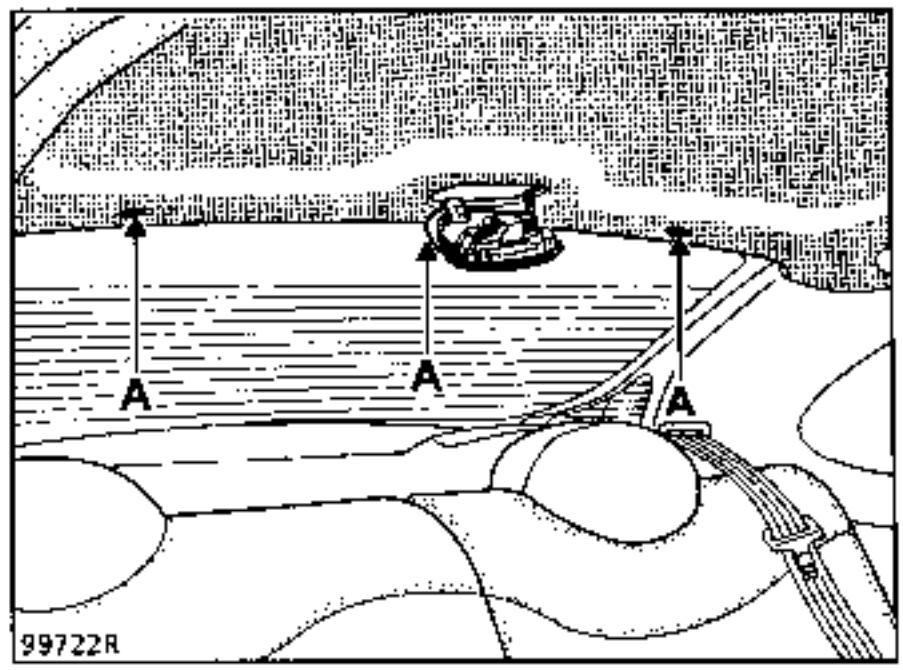
Disconnect the wiring harness (D).

Remove the console.



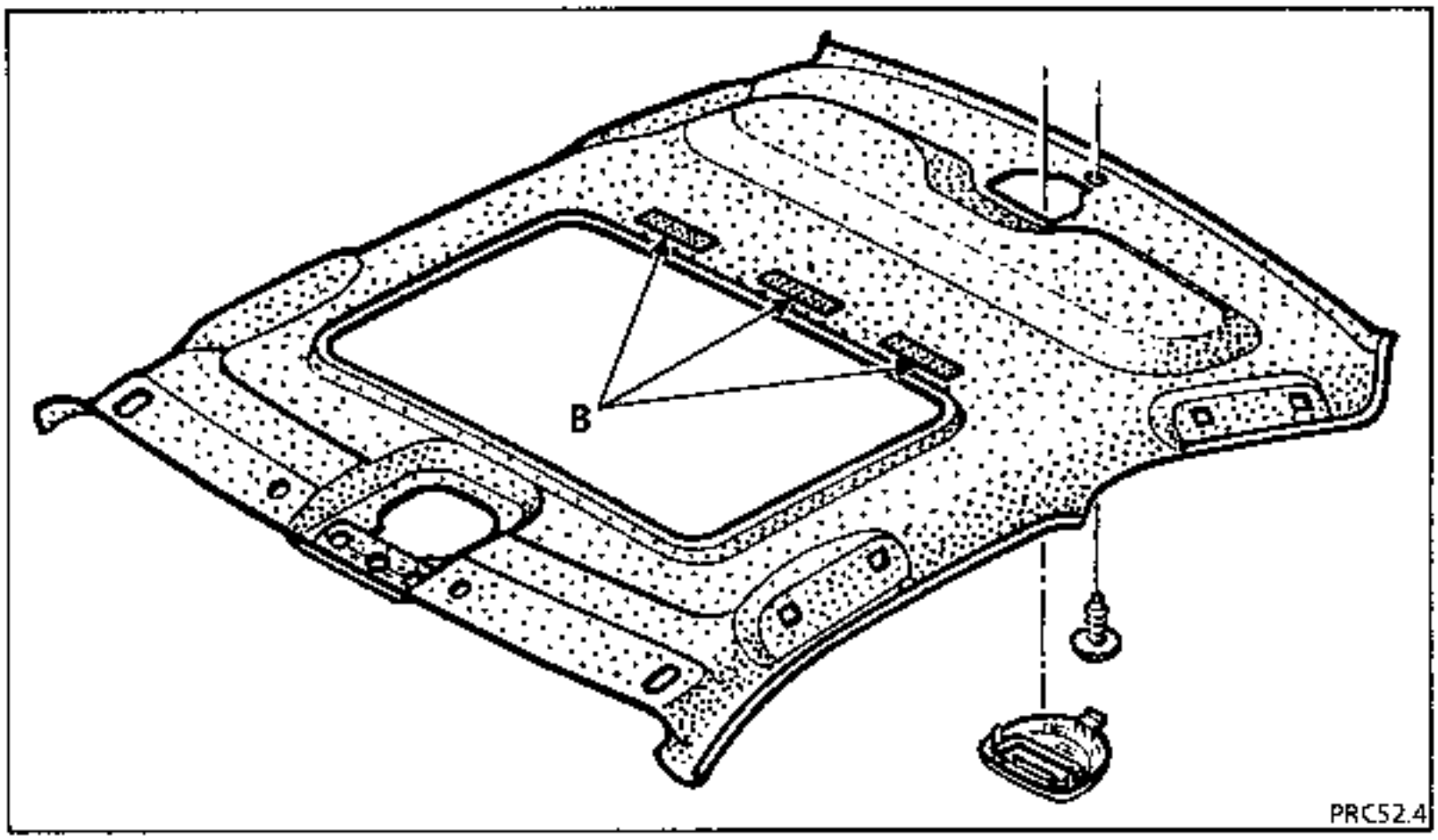
Remove the interior trim seal.

REMOVING THE HEADLINING



Remove:

- The three clips securing the headlining (A) at the rear screen using tool **D.115 (FACOM type)** or **SODICAM** unpicking pliers.
- the centre courtesy light (disconnect the connector).

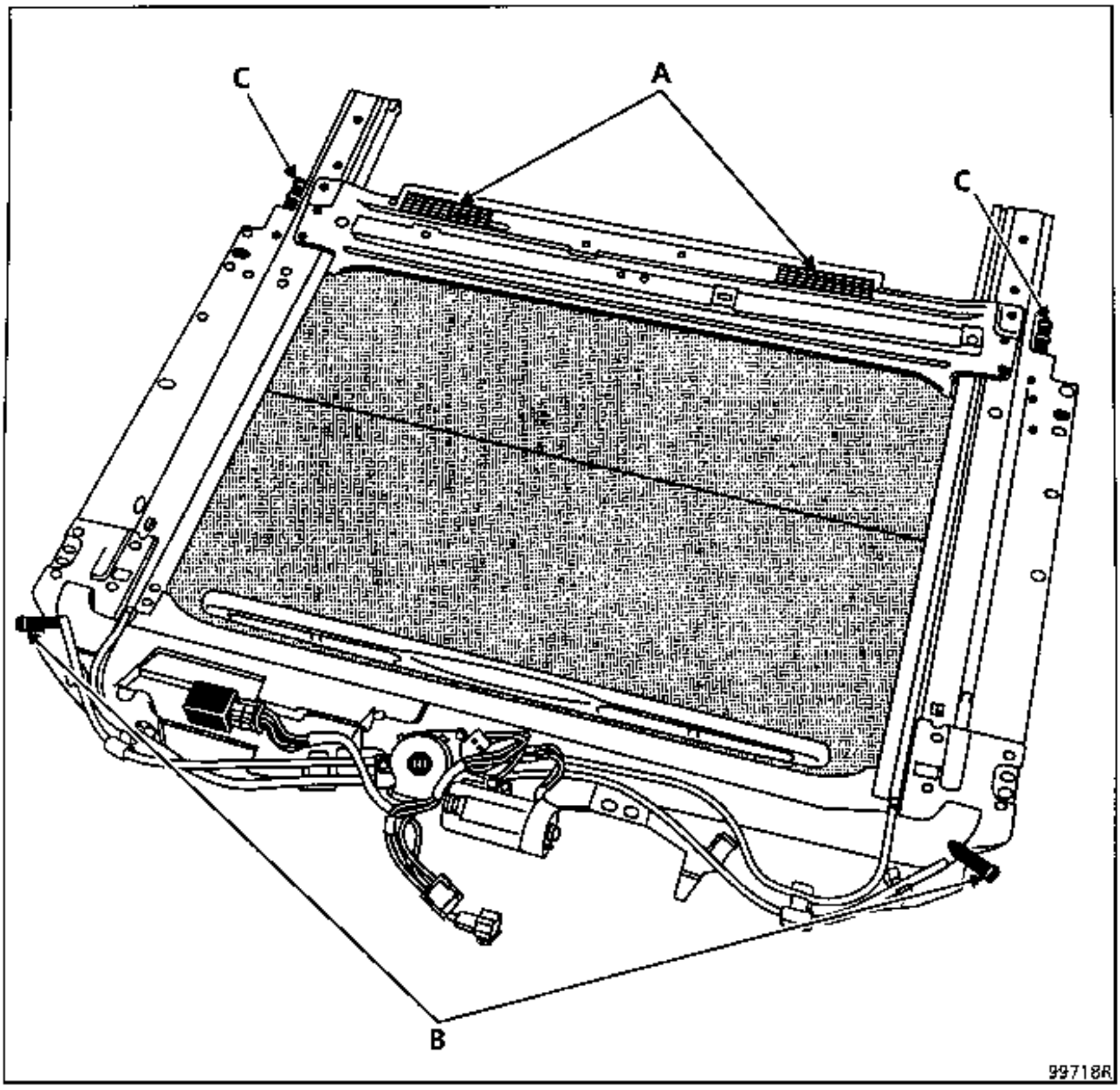


The lining is fitted with velcro fastenings (B) to the sunroof cassette.

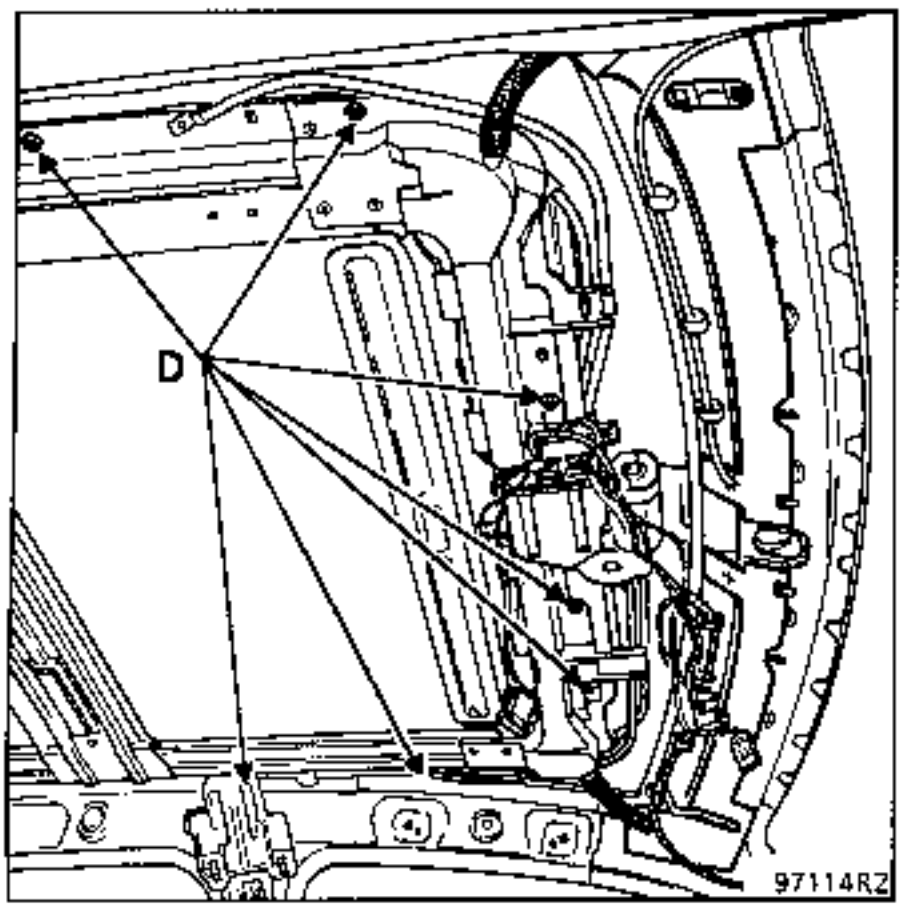
Release the velcro and remove the double sided adhesive from the roof.

Fold the front seats down.

Slide the headlining towards the rear and remove it through the front right hand door.



Location on cassette :
- velcro fixings (A),
- front drain channel (B),
- rear drain channel (C).

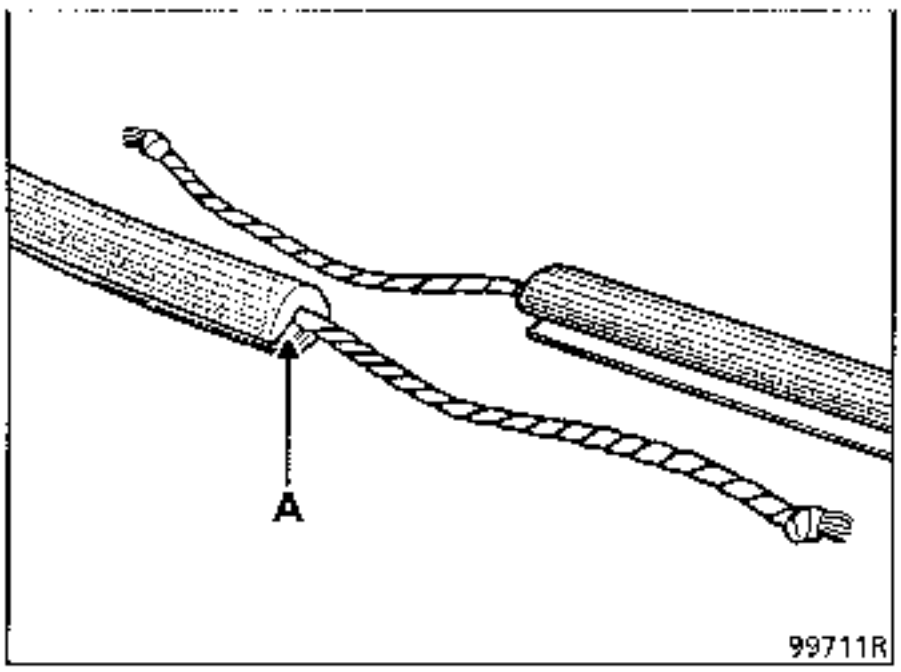


Disconnect the front and rear drain channels.

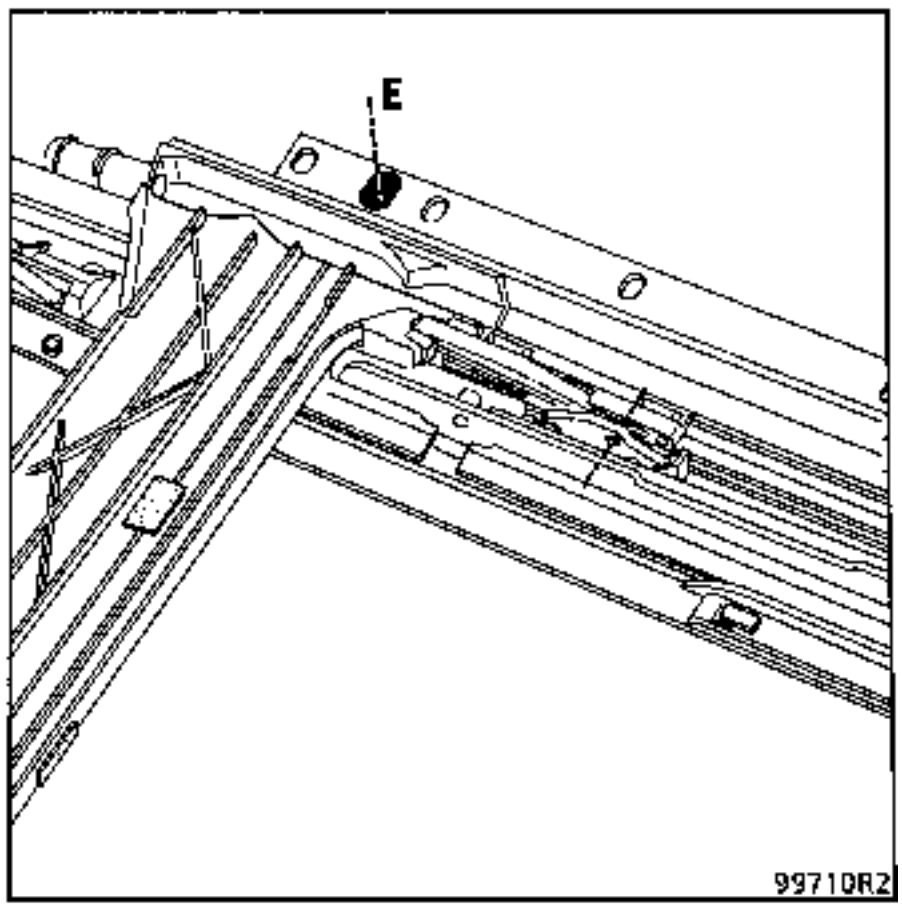
Disconnect the motor wiring.

Remove all the sunroof mountings (D) and remove it through the front door, using two persons.

REFITTING THE SUNROOF CASSETTE



Refit the interior trim seal to the cassette (before refitting the cassette), inserting a piece of string into groove (A), along the complete length of the seal, before fitting it to the cassette.



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 at (E).

Refit the mountings.

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

TIGHTENING TORQUES (in daN.m)	
Sunroof bolt	0.5 (Max.)

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 B),
- adjust the sunroof panel (see 52C),
- check the sealing and operation of the sunroof,
- refit the trim.

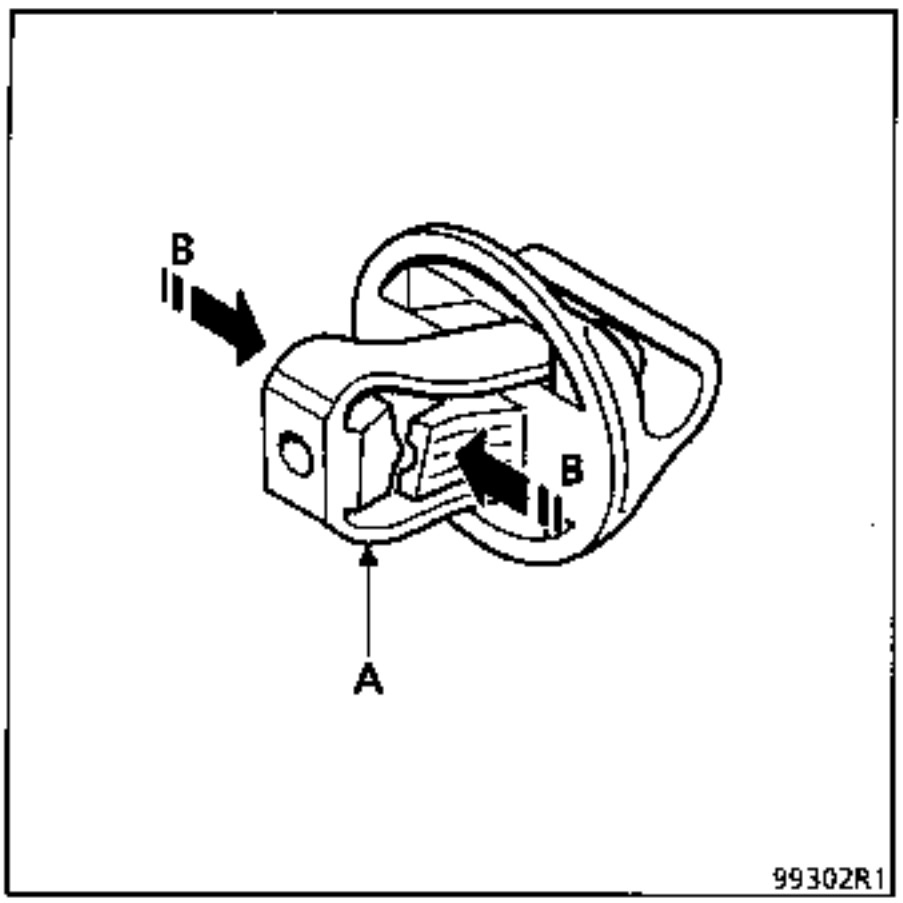
NOTE : after adjustment, the sunroof should operate in all positions without having to touch the sunroof panel.

REFITTING THE HEADLINING

Bring the headlining into the vehicle through the front right hand door.

Fit the three retaining clips at the rear screen.

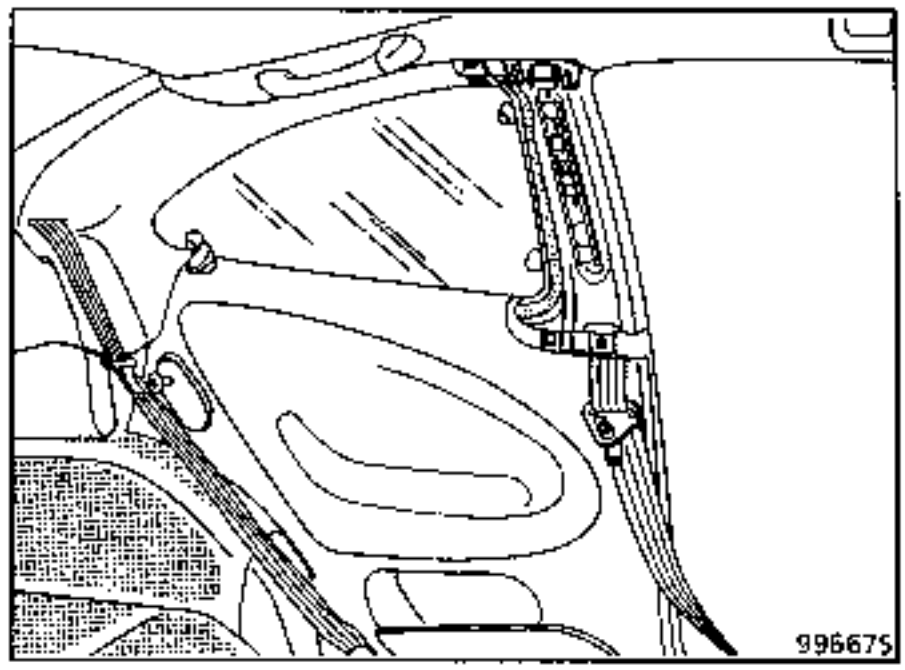
Flatten the lining onto the roof to secure the velcro mountings on the cassette and the two adhesive mountings at the rear of the roof.



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

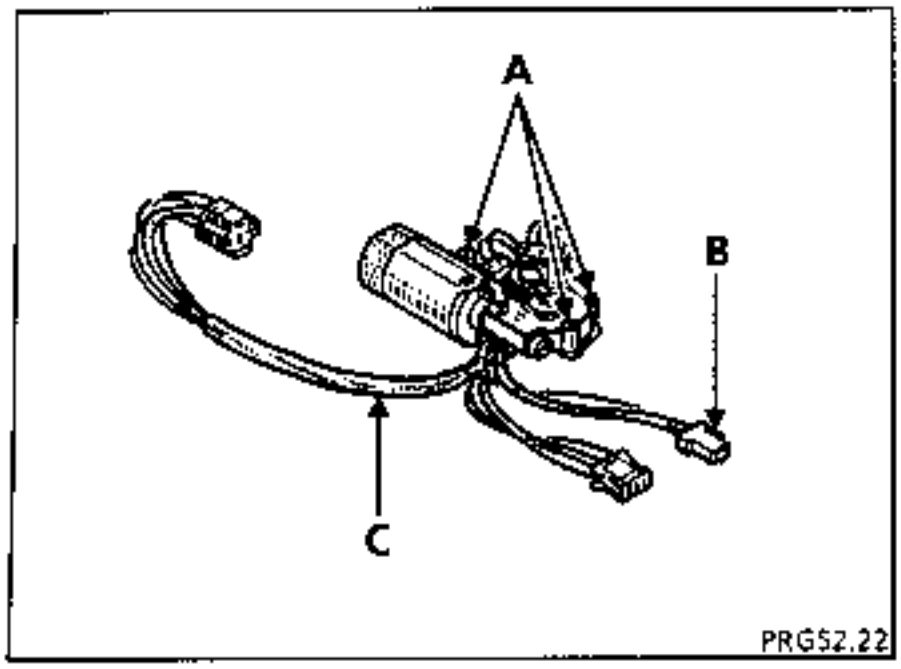
To do this, push the mounting bolt for the clip in order to insert lug (A) into position.

To assist with positioning of the clip, press lugs (B), using a small flat bladed screwdriver.



Refit the upper rear quarter panel linings.

Finish fitting the interior trim seal by pulling the string to correctly position the seal on the headlining.



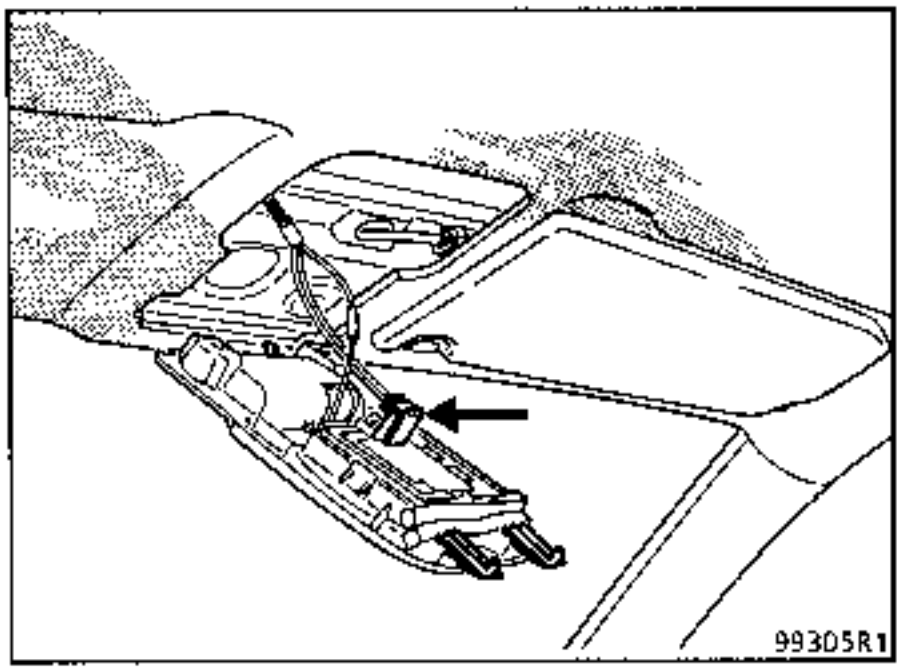
In all cases of removal, check and adjust the zero points as shown below.

For details on the anti-trapping system, see M.R. 307 section 87.

Two cases may arise (motor faulty) :
- **sunroof closed,**

or
- **sunroof open.**

SUNROOF CLOSED



Remove the roof console (see 52A).

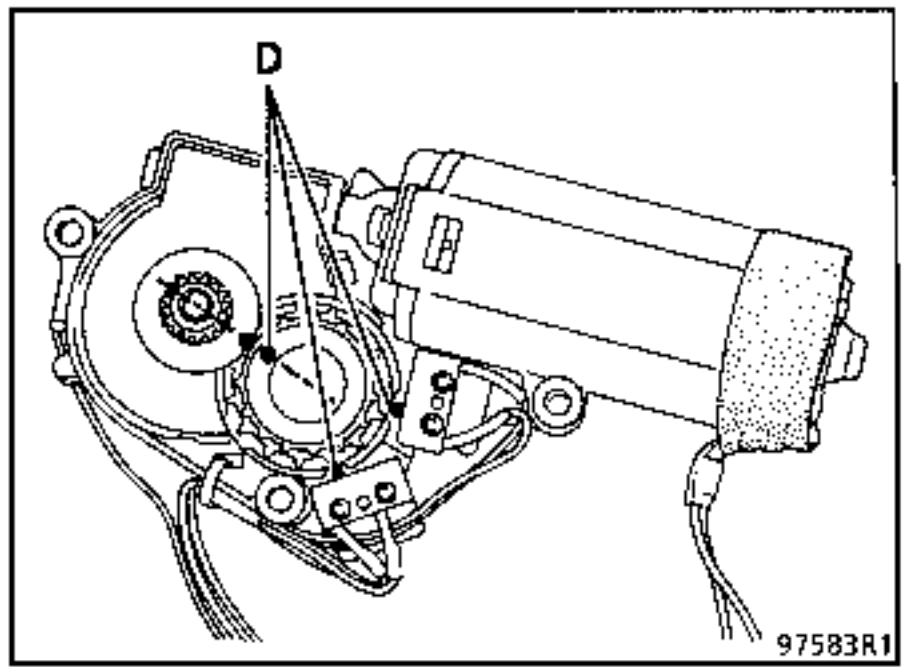
Remove the motor control connector.

Remove the three motor mounting bolts (A).

Disconnect and unclip the motor feed connector (B).

Release the motor so the drive gears can be seen (see diagram below).

NOTE : the motor fitted to this cassette is identical to that fitted to the B64 apart from the relay wiring (C) is longer on this model.



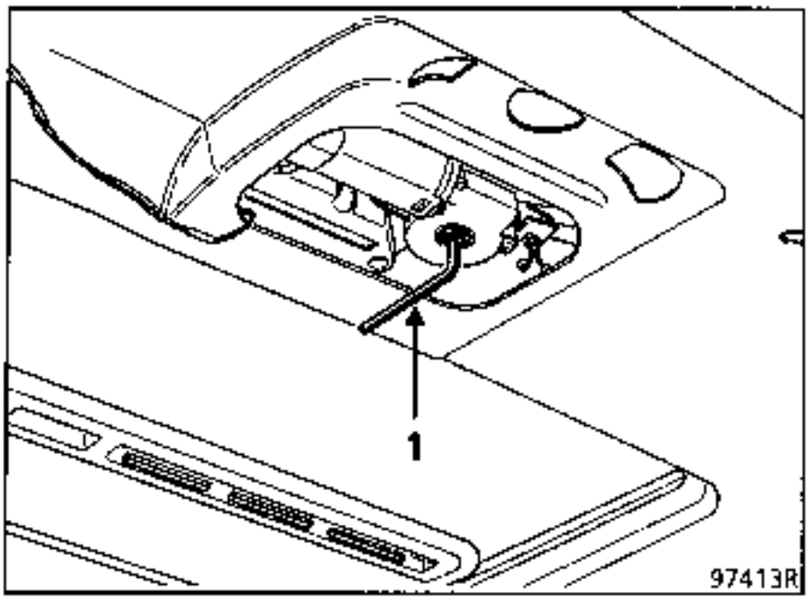
Check and adjust the motor zero points (if necessary).

Regardless of whether the motor is new or not, the three points (D) should be in the positions on the diagram above.

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

SUNROOF OPEN

Remove the same trim as previously.



Close the sunroof manually using a 4 mm Allen key (1) **until the sunroof panel is against the stop - do not force it.**

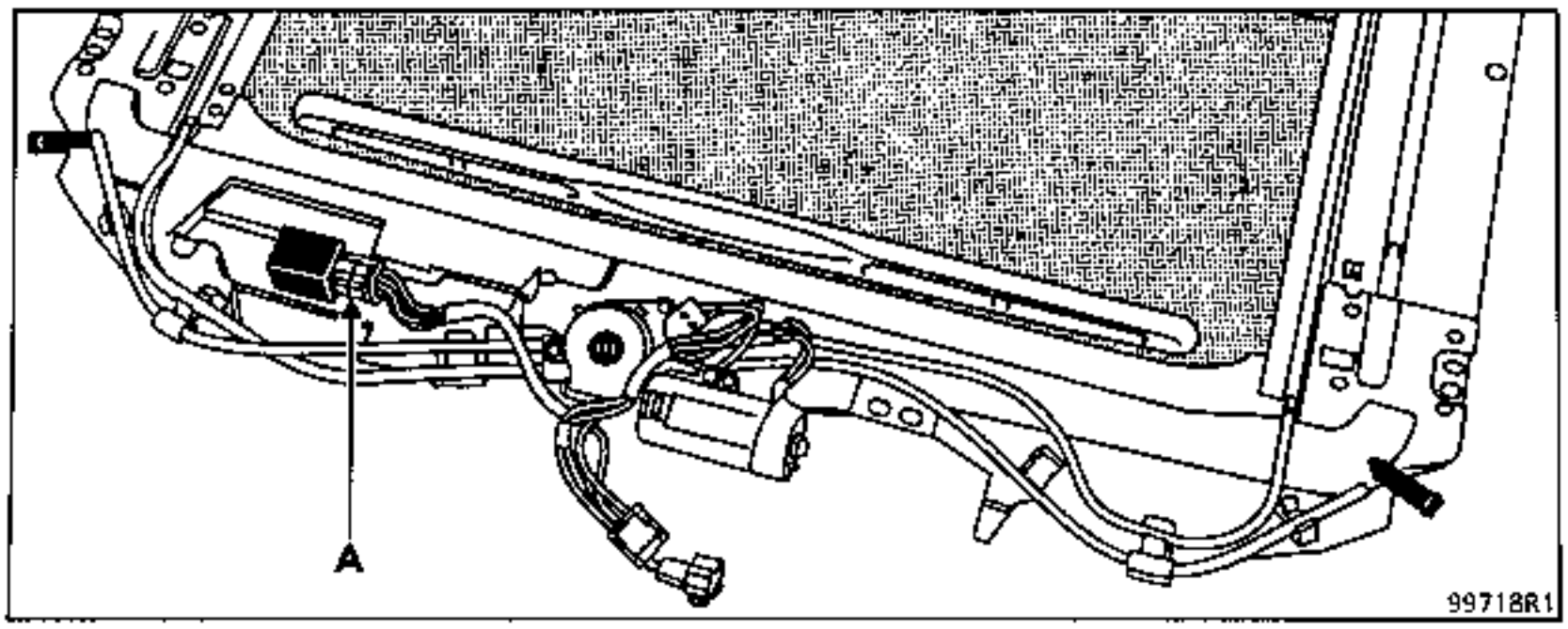
Carry out the same operations as described above.

IMPORTANT : in both cases, once the motor is re-fitted, test the opening / closing cycle of the sun-roof panel at least three times.

When replacing the motor the relay must be accessible.

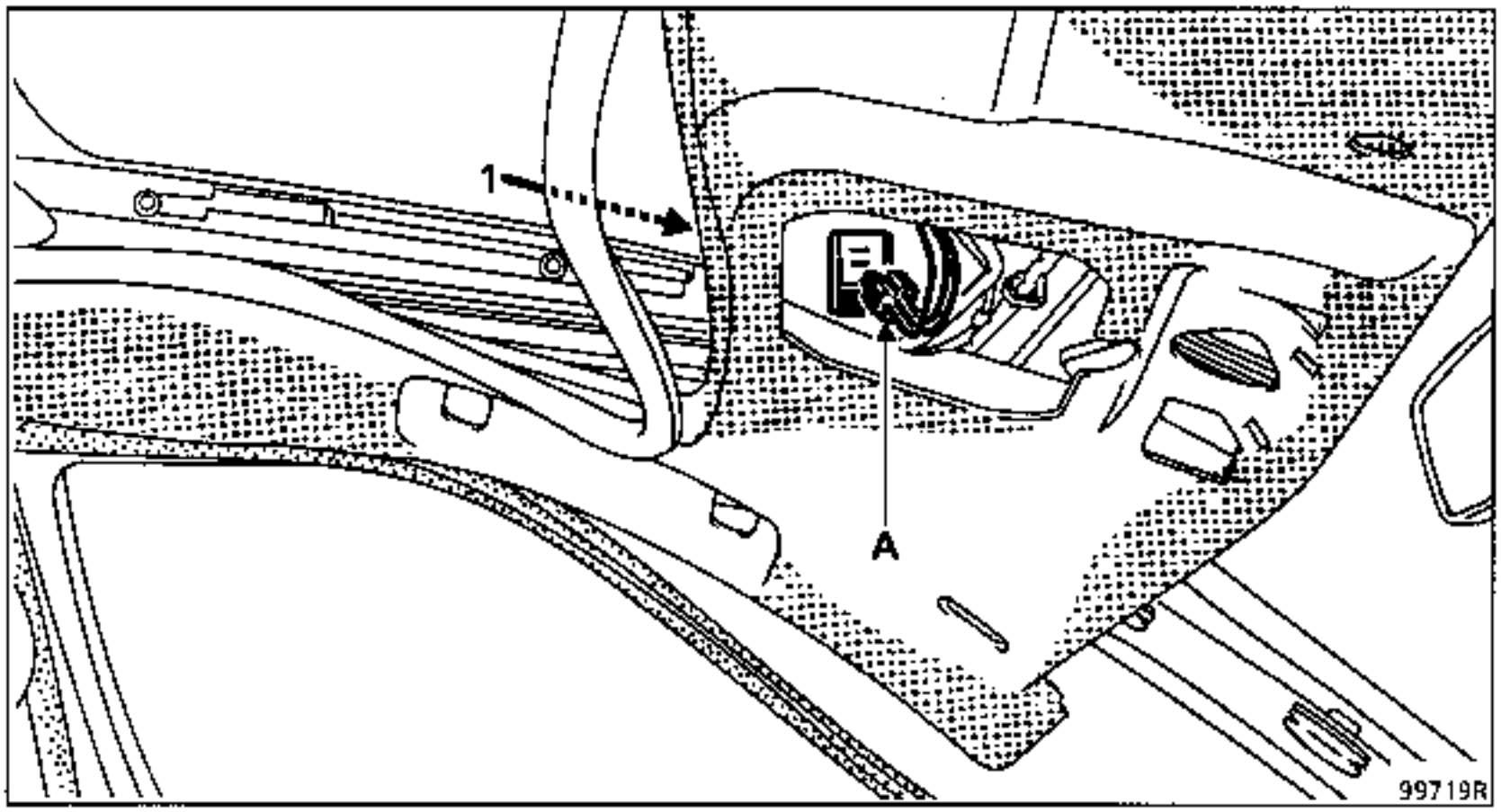
More trim must be removed for this operation.

This procedure is described on the following page.



This operation is required for removing the motor (see previous page).

REMOVAL

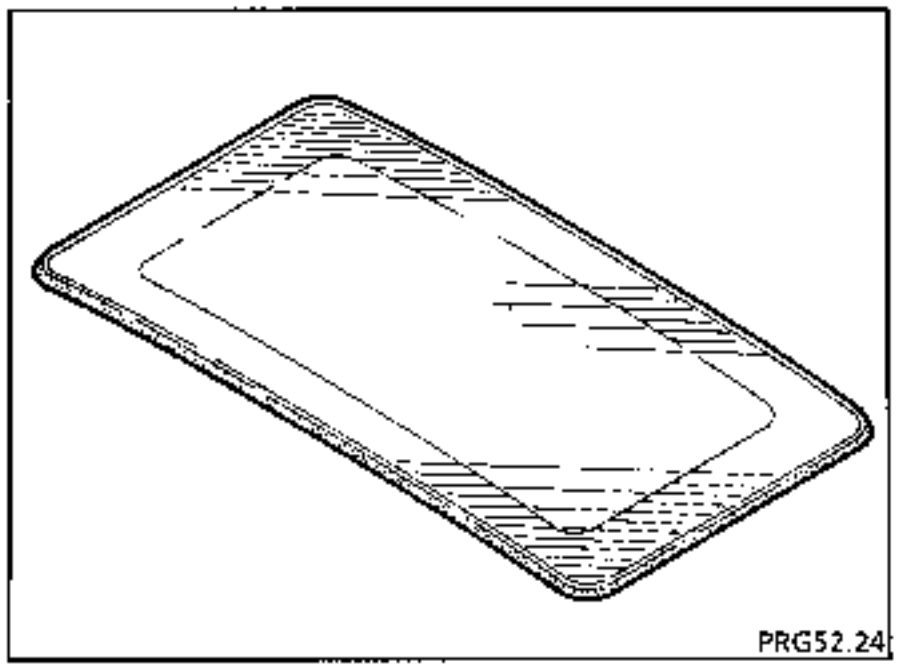


Remove:
- the roof console (see 52A),
- the left hand sun visor,
- the two sun visor retaining clips,
- the left hand windscreen pillar lining,
- the sunroof panel interior trim seal (part).

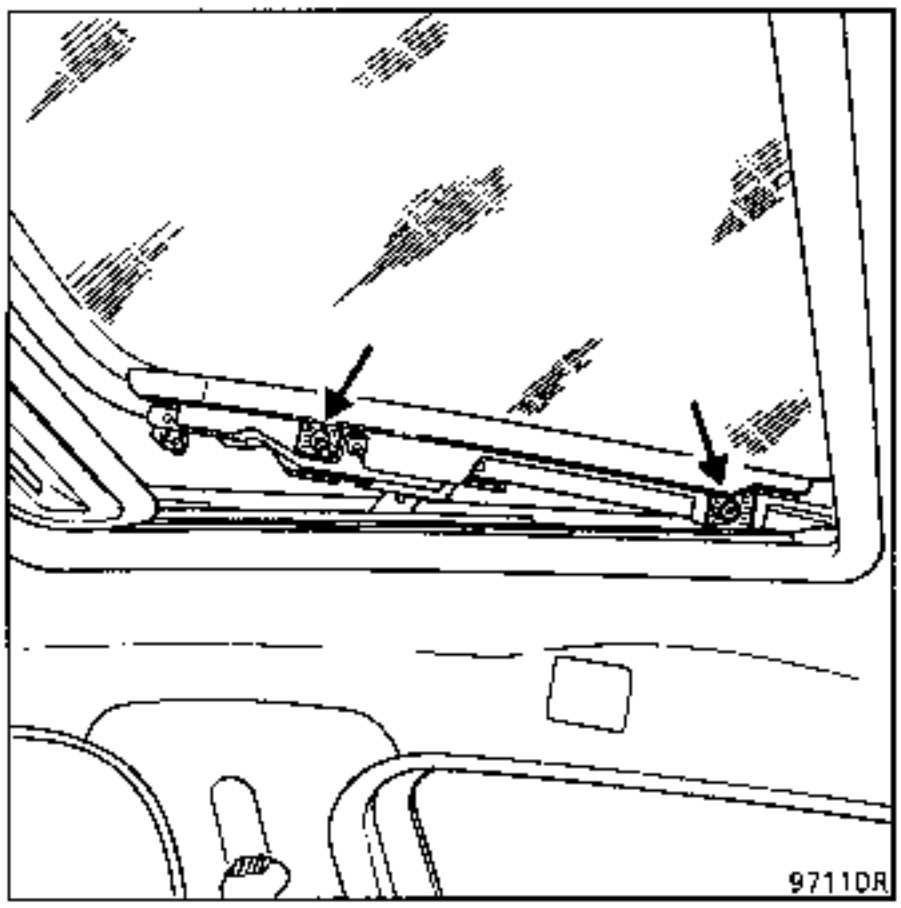
Disconnect the connector (A).

Remove the relay by sliding it to the left to release it from its position on the sunroof cassette. To do this, insert your hand between the roof and the headlining at (1).

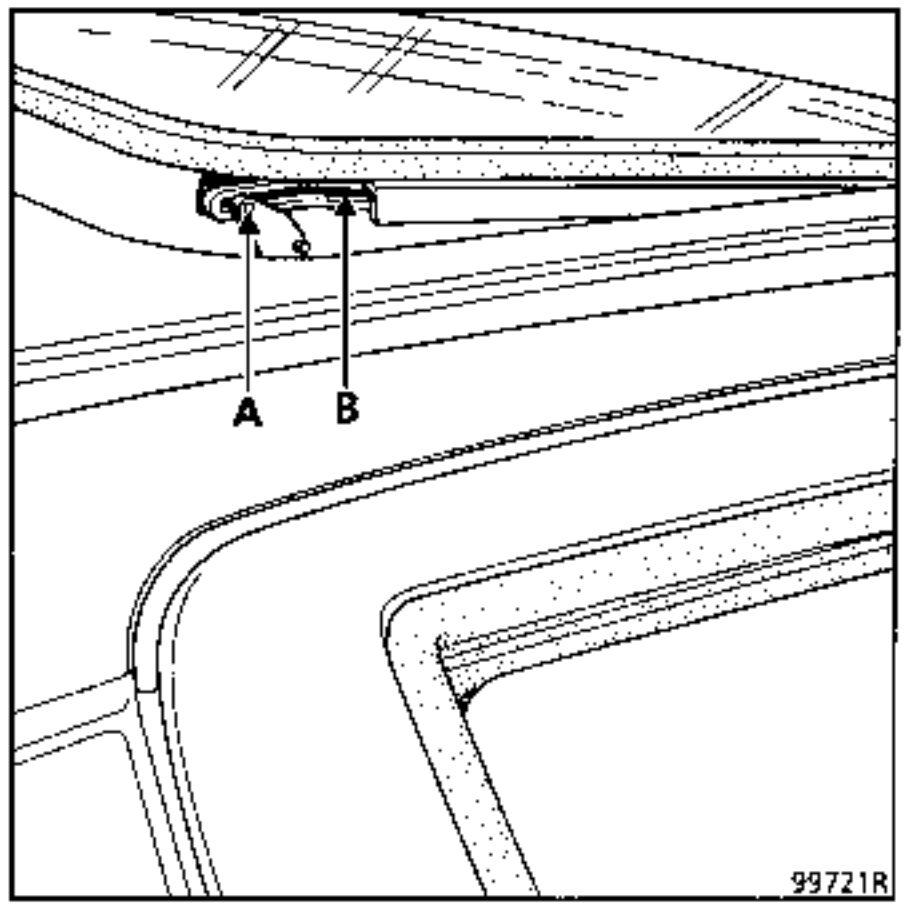
The motor may then be removed after this operation.



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



Open the sunroof slightly so that the four mounting bolts may be more easily reached.

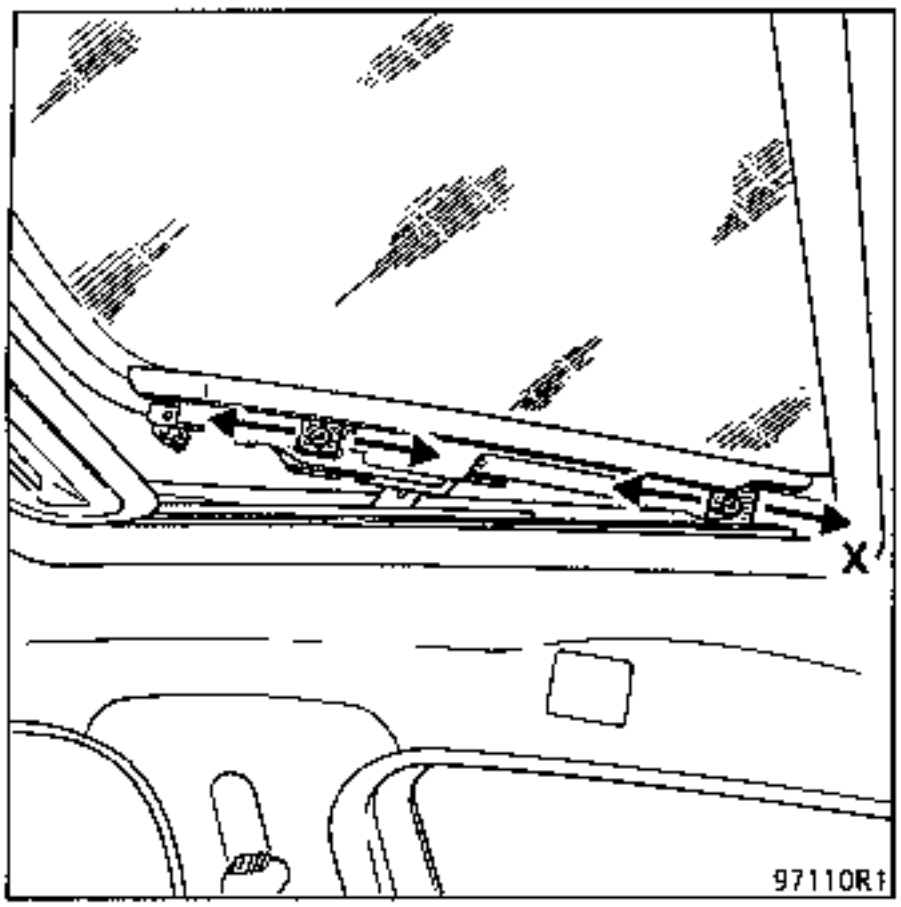


Before refitting the panel, ensure the two drive pads (A) are correctly positioned in grooves (B).

ADJUSTING THE PLAY AT THE FRONT,SIDES, REAR AND HEIGHT

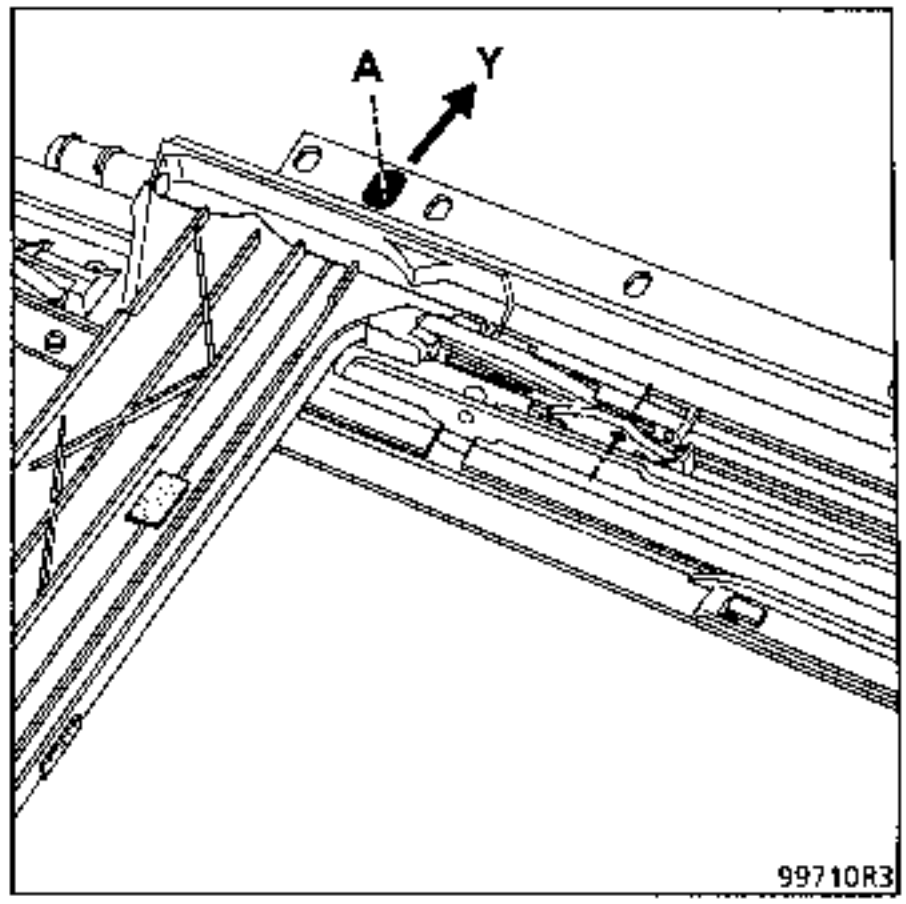
This operation must be carried out after removing the sunroof panel or the sunroof assembly.

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



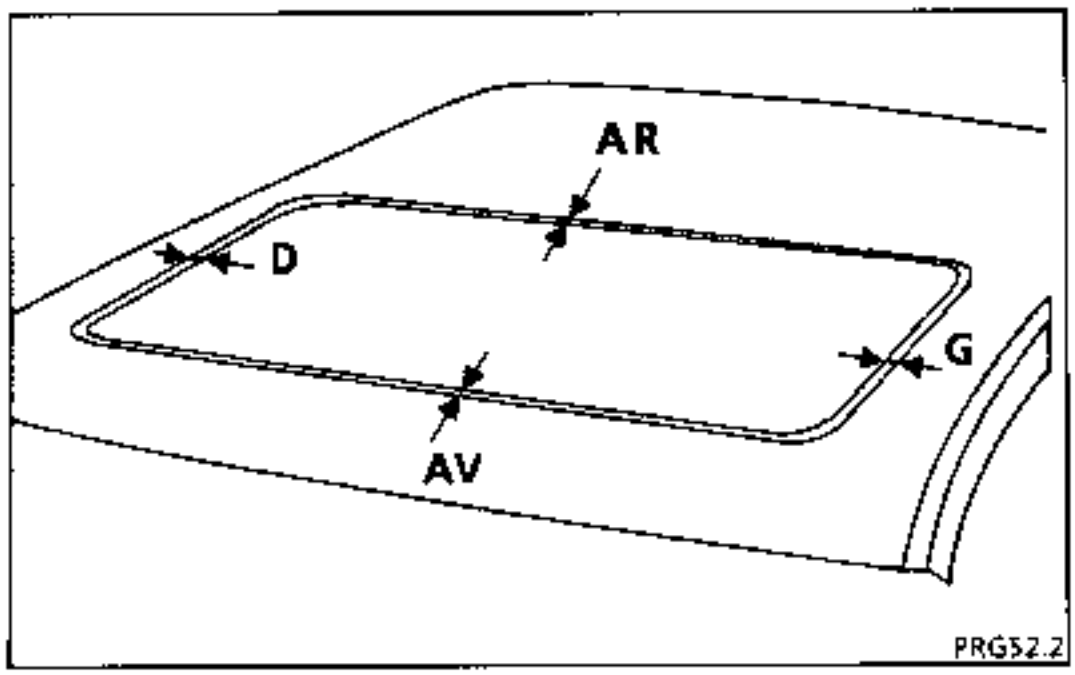
1 - Adjusting the front, side and rear play

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 14 sunroof mountings must be slightly slackened.

Fit two 10 mm pins into the special openings (A) to immobilise the cassette in direction X and adjust the panel's position in the Y direction.



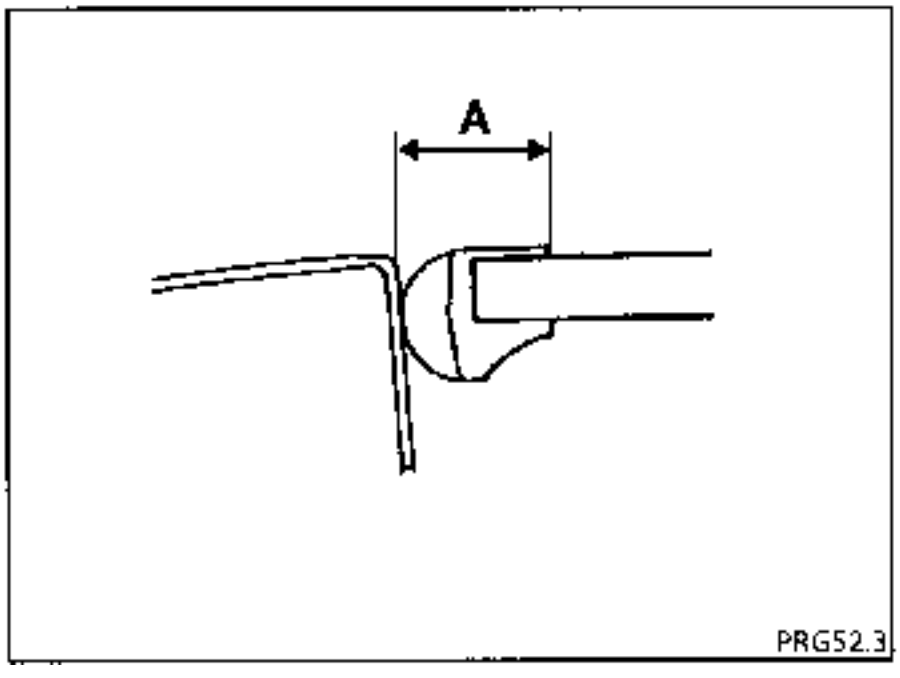
Legend :
D = Right
G = Left

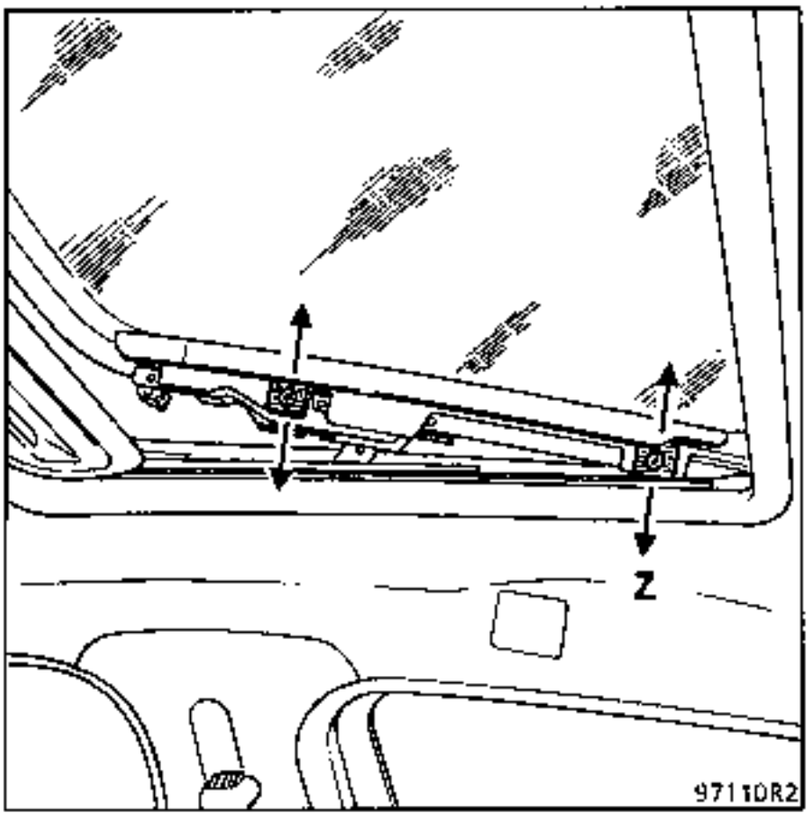
The play between the panel and the roof frame must be equally distributed between the front and rear and between the left and right hand sides.

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: $15\ ^{0}_{-1}$
- Rear line: $15\ ^{+1}_{0}$
- Right line: 15 ± 0.5
- Left line: 15 ± 0.5

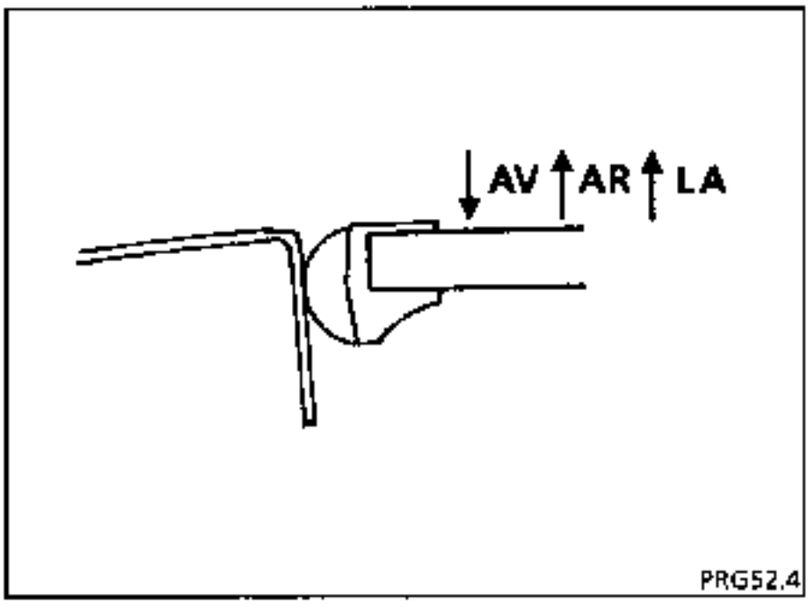




2 - Adjusting the height

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

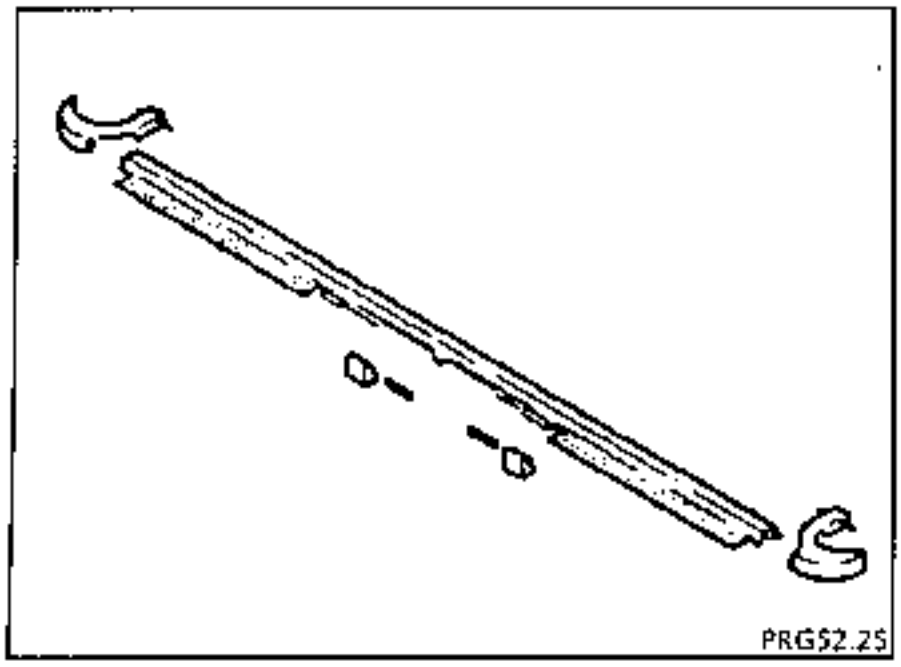
Position the scale on the roof frame and check the clearance of the sunroof panel.



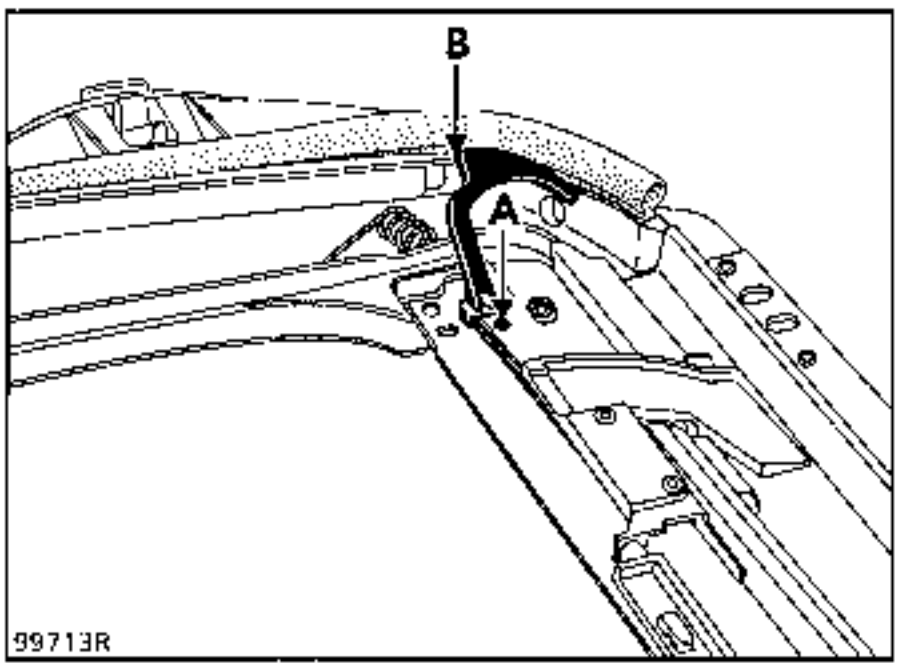
Adjusting height:
Rear tolerance: panel **1 mm** above roof

Front tolerance: panel **1 mm** below roof

Side tolerance: panel 1 **mm** above roof



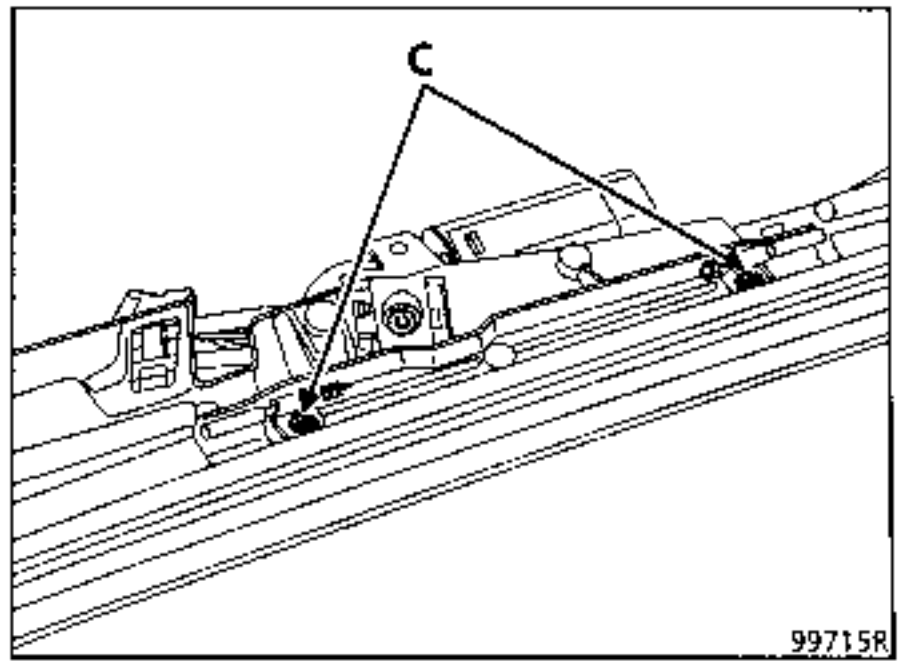
REMOVAL



Open the sunroof panel.

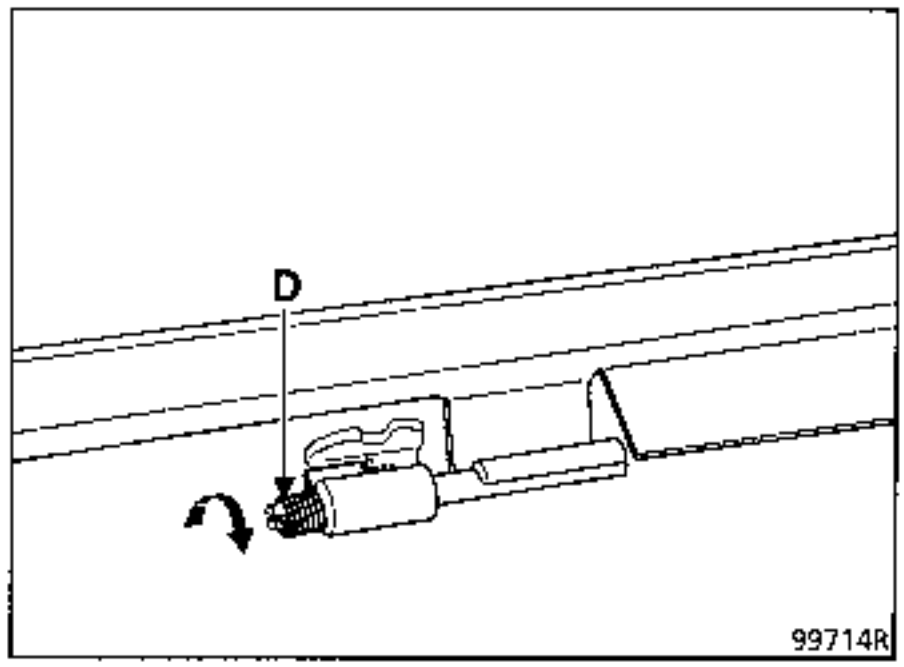
Unclip at (A) and release the side retaining bracket for the shield by pushing it forwards.

Release the hook at (B) and remove the bracket (on each side).



Remove the two centre mounting bolts (C) on the cassette.

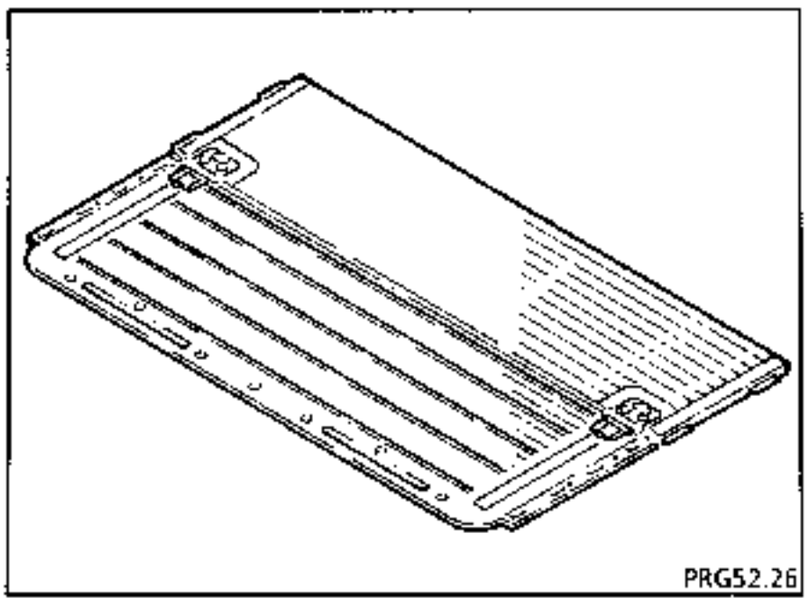
REFITTING



When refitting and replacing the spring (D), refit the retaining bracket as shown above.

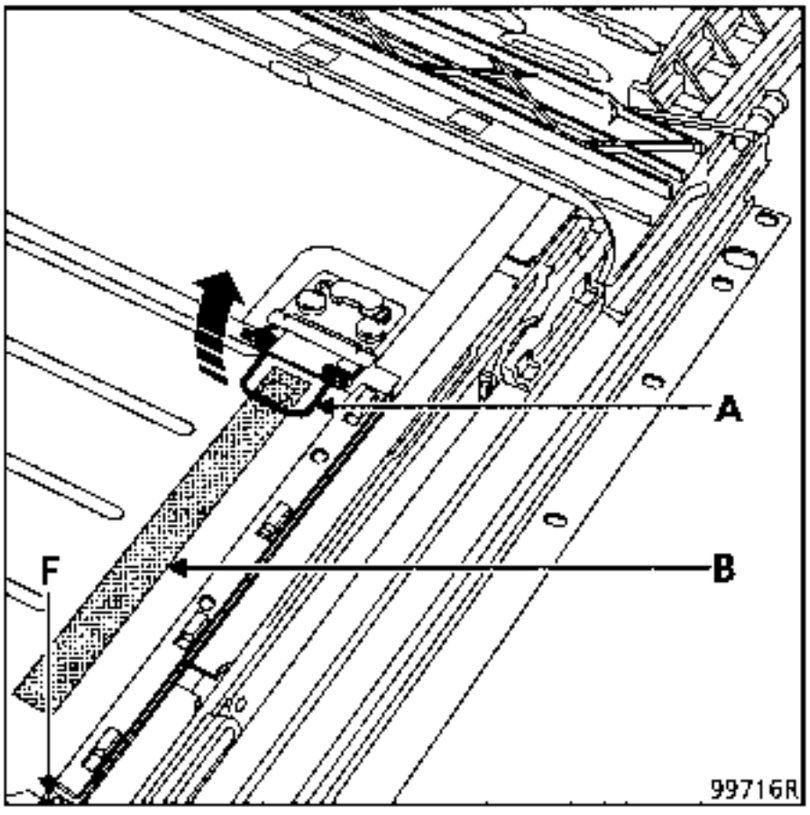
So that the spring ensures the shield remains open, turn the bracket clockwise one turn from the spring rest position (D).

After refitting, which is the reverse of removal, test the operation of the sunroof and shield.



REMOVAL

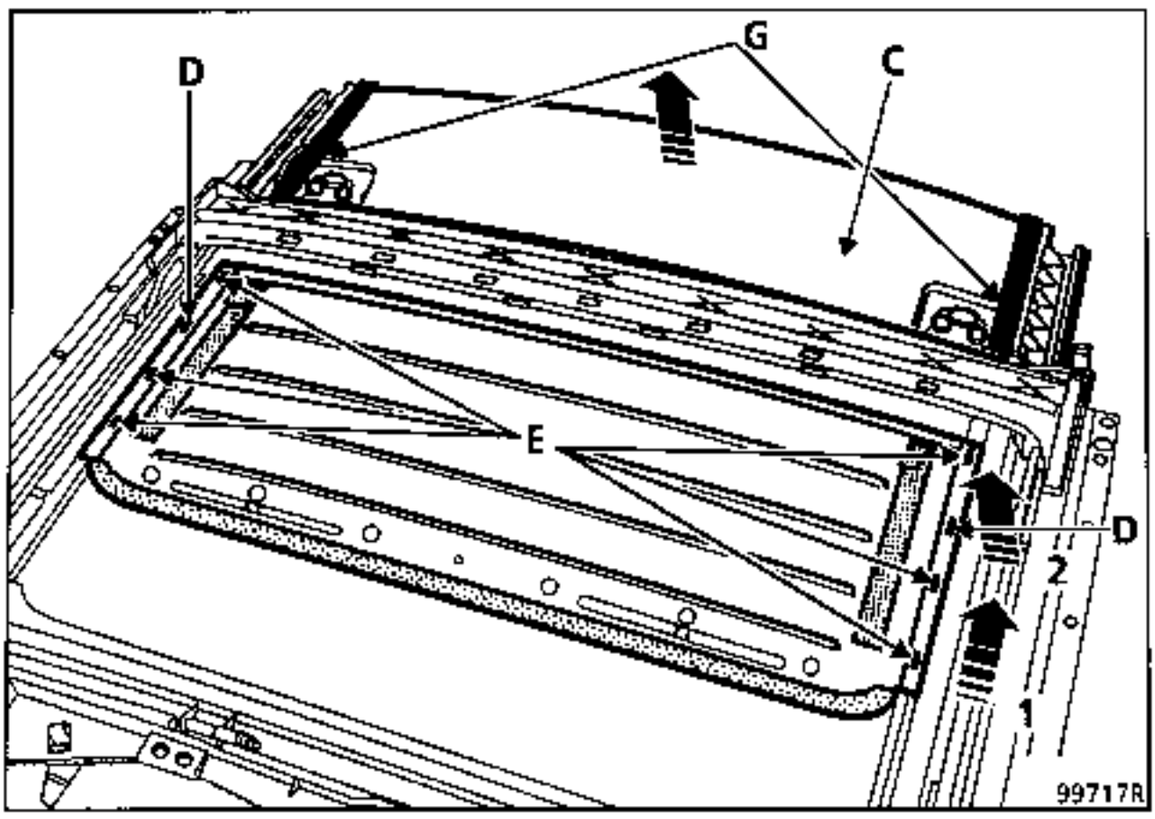
Remove:
- the sunroof panel (see 52C),
- the headlining (see 52A),
- the sunroof cassette (see 52A).



Close the interior sunroof screen.

Remove bracket (A) from the hook on the felt strip (B) (on each side).

Lift the two brackets (A) and gently push the rear of the screen to release it at the front.



Slide section (C) of the screen towards the rear of the cassette and lift it in the centre to release it from the two guide rails on the cassette.

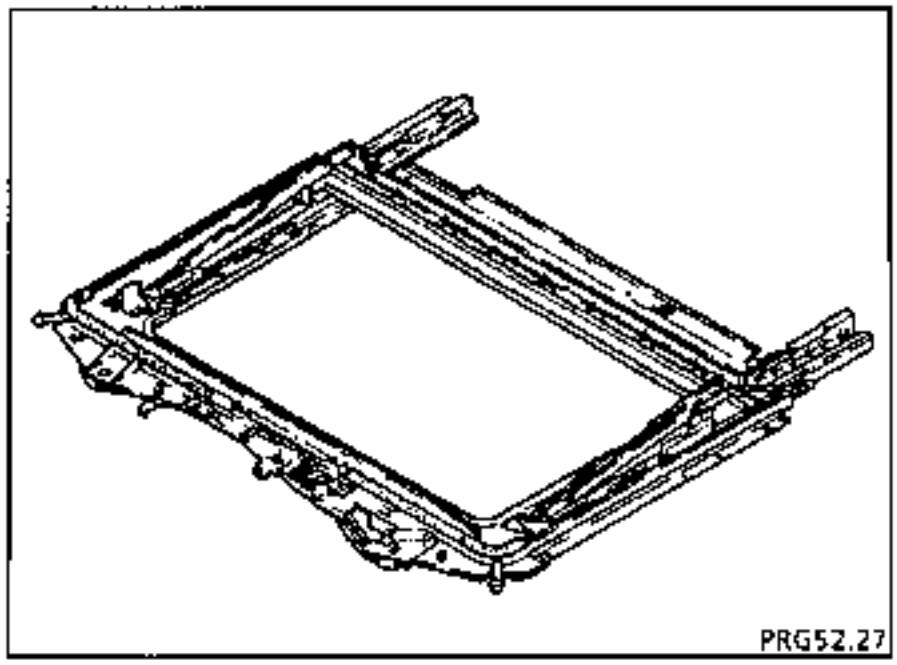
Unclip the front section of the screen at (D) and release it from the three retaining clips (E) on the two cassette mounting runners (1) and lift the screen (2) to release it.

REFITTING

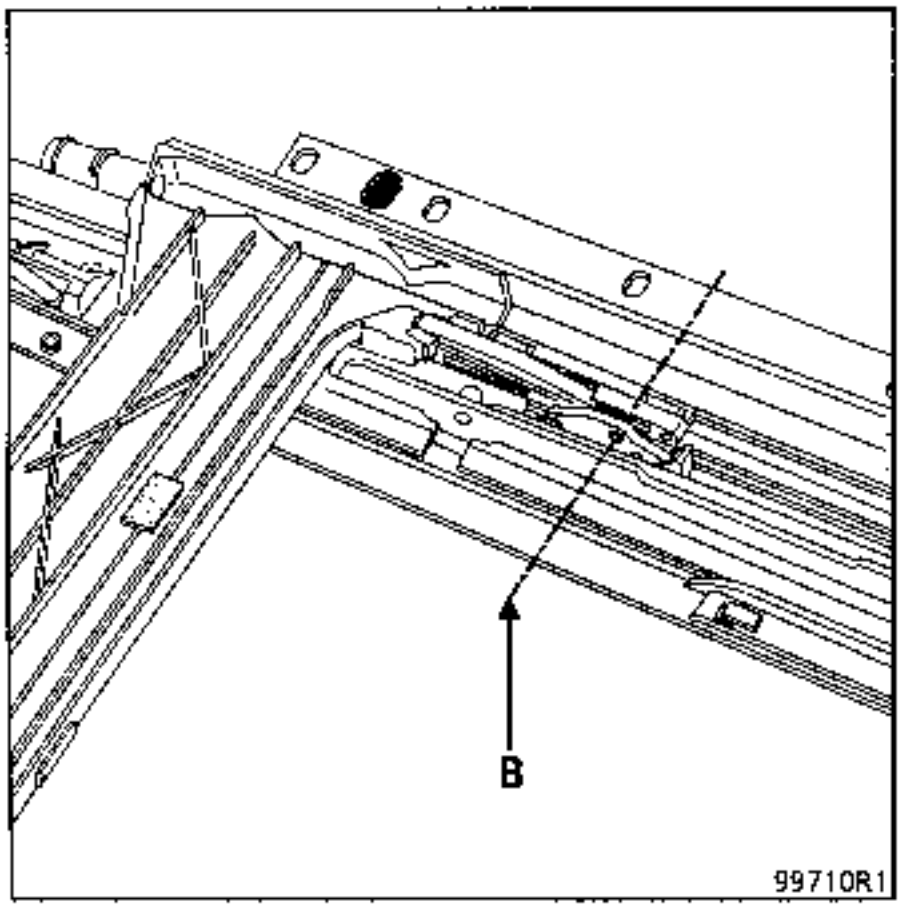
To refit the front section of the interior sunroof screen, slide the two mounting runners to the stop at the front of the cassette at (*F*) (see diagram on previous page).

Refit brackets (E).

To refit section (C), lift the two springs (G) to refit the screen into the guide rails.



ADJUSTING THE ZERO POINT



If the sunroof panel is not positioned symmetrically on the two drive bars (A) in the closed position:
- remove the sunroof panel (see 52C),
- remove the sunroof motor (see 52B).

Check the bars are correctly positioned at (B).

If one of the bars is not in the correct position, push the cable for the bar concerned at the motor gear location using a flat blade screwdriver,until the bar is against the stop as shown opposite.

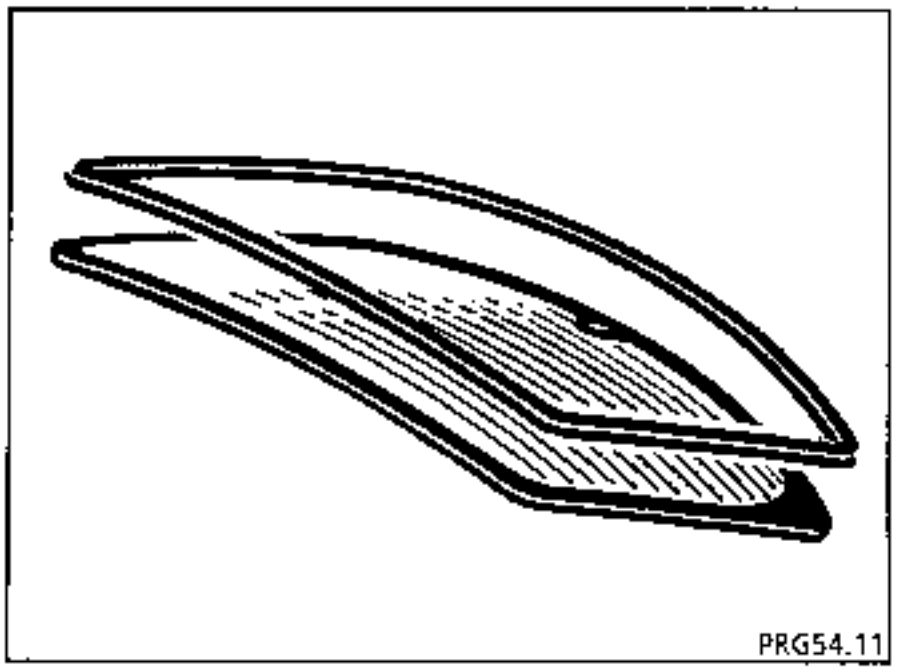
Adjust the motor zero point (see 52B).

Refit the motor.

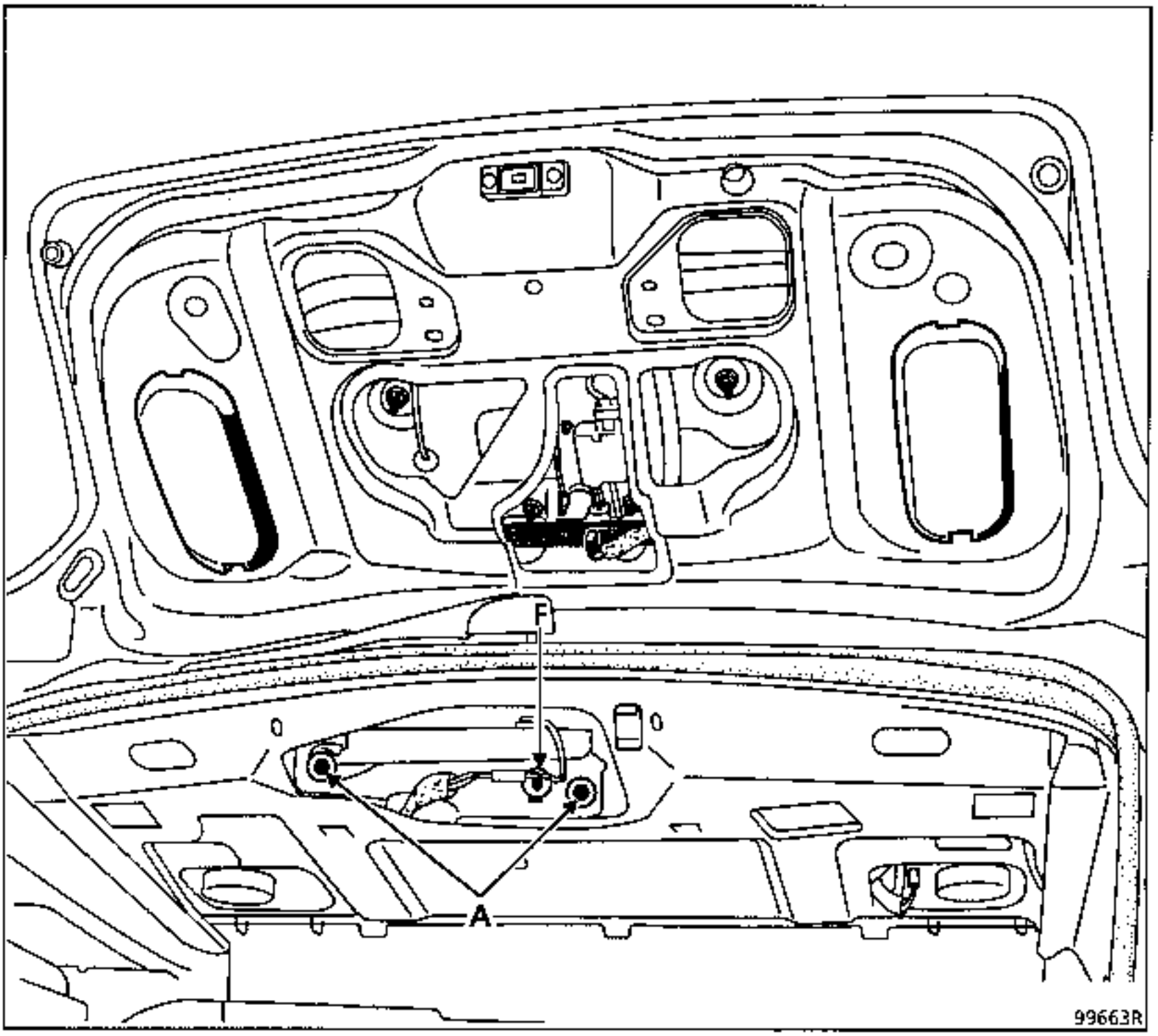
Open the sunroof slightly to refit the sunroof panel mounting bolts more easily.

Adjust the position of the sunroof panel (see 52C).

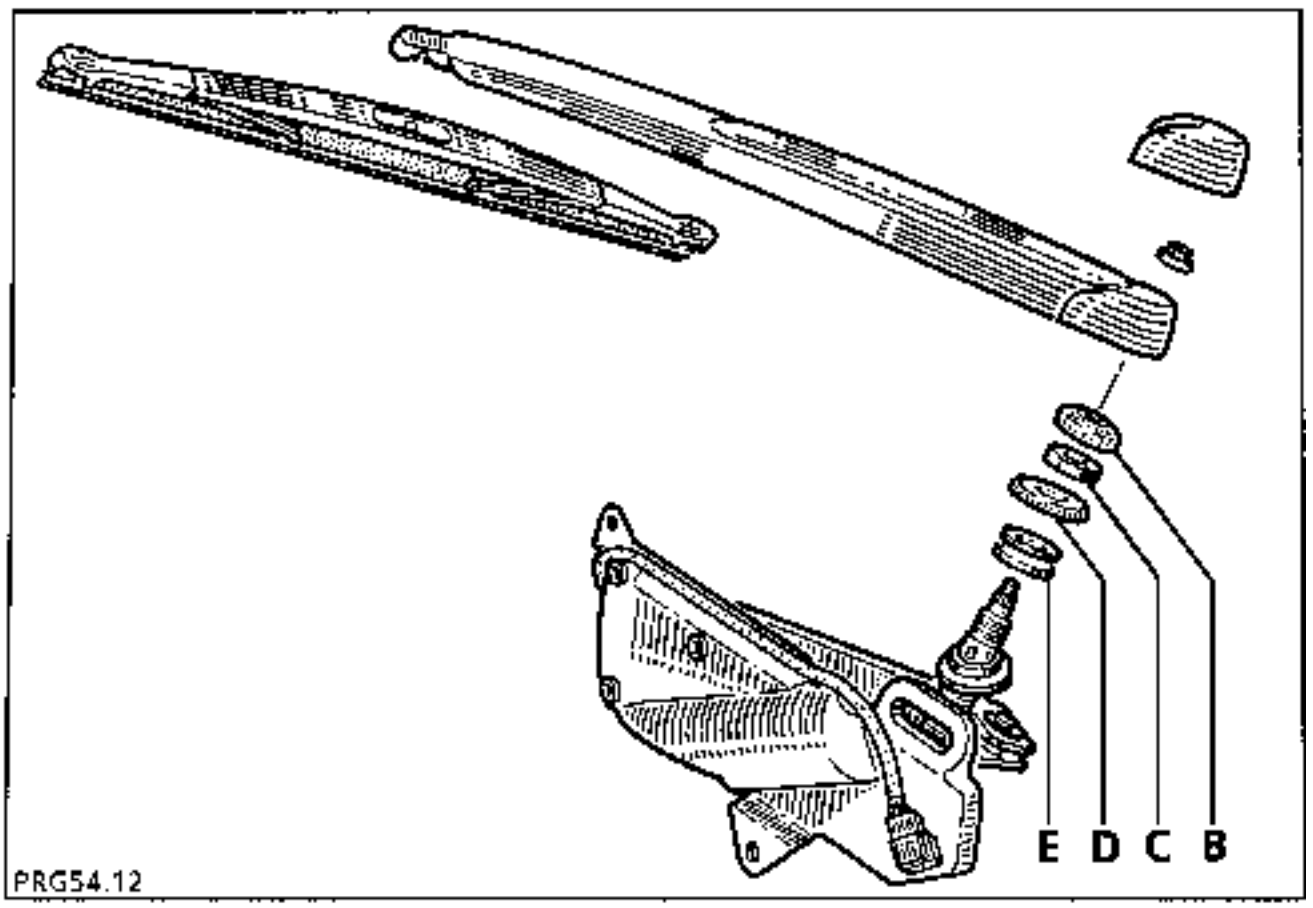
Carry out at least three operating tests to ensure the adjustment is correct.



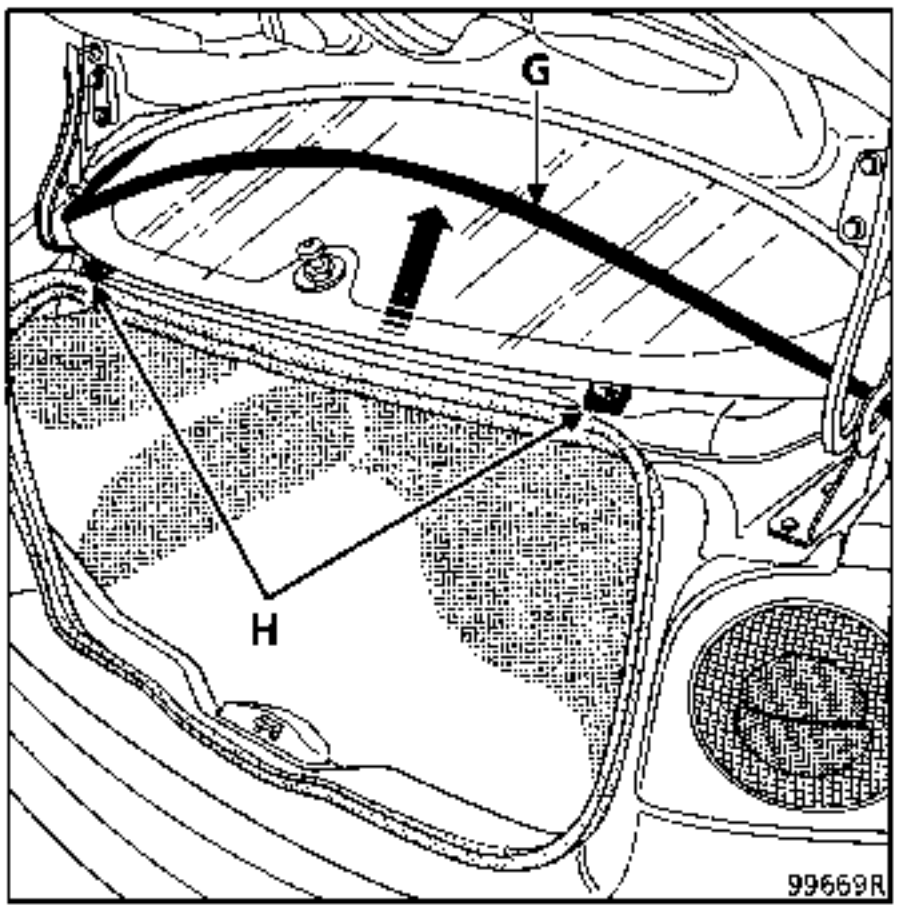
REMOVAL



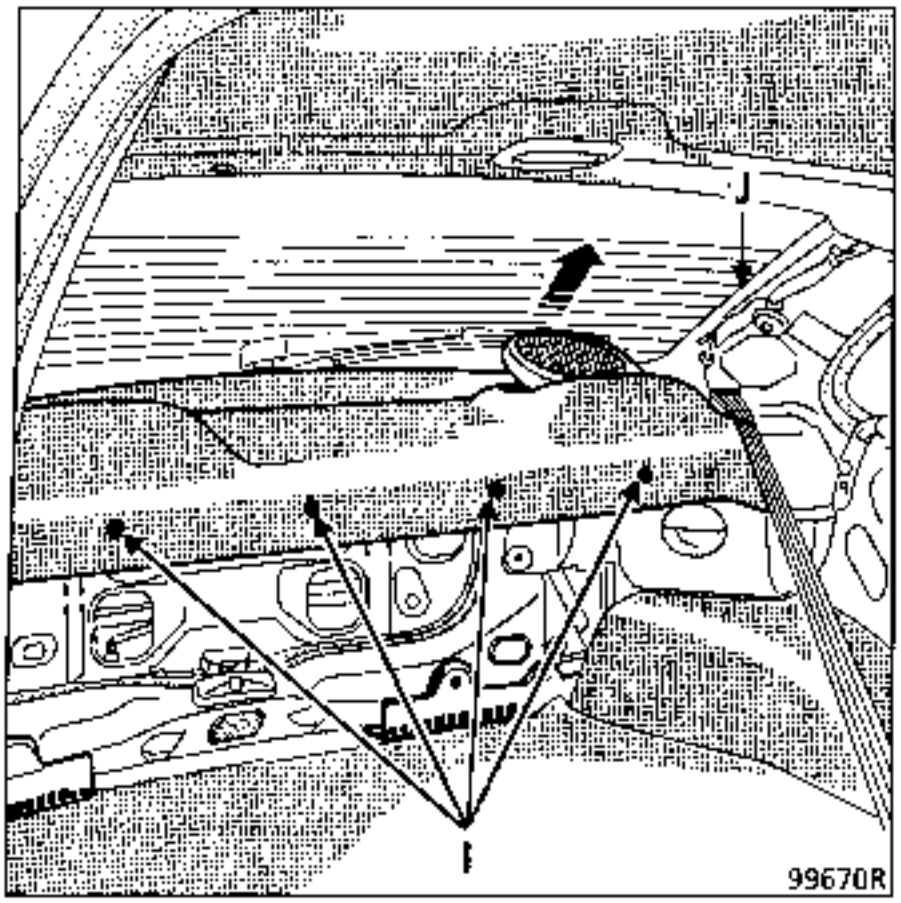
Remove :
- the upper rear quarter panel trim (see 71D),
- the two mounting bolts for the rear screen wiper (A).



Remove:
- the wiper arm using tool Elé. 1294-01,
- the nut cover (B) and the nut (C),
- the ring (D) and the sealing ring (E),
- the wiper motor, pulling it down to release the retaining clip (F) (see previous page).



Remove:
- the external trim strip (G) releasing it at the lower edge of the rear screen and unclipping it along all its length,
- the lower blocks (H).



- the loud speaker grilles,
- the four clips (I) (unclip from the boot side),
- the rear shelf trim.

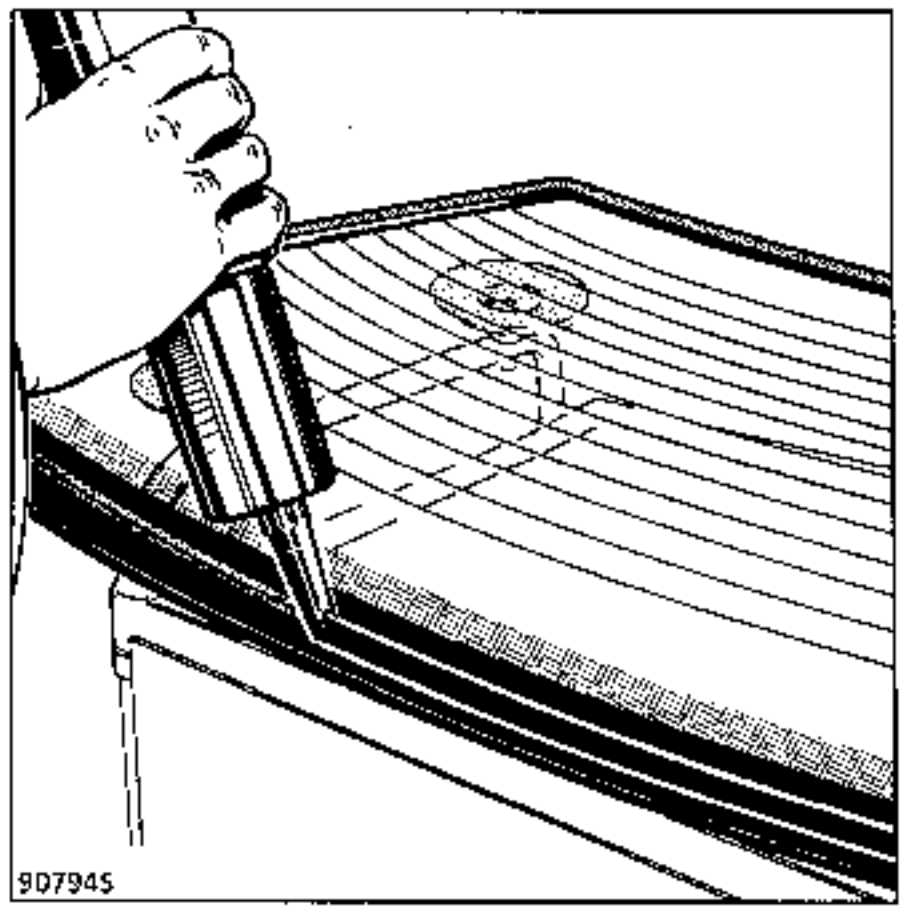
Disconnect the heated grid (J).

Cut out the rear screen.

Protect the painted area with masking tape around all the edge of the screen.

Cut out the screen as usual with wire.

BONDING AND FITTING THE SCREEN



Preparation of the bonding areas is as given in the general method for bonding windows in Technical Note N° 371A.

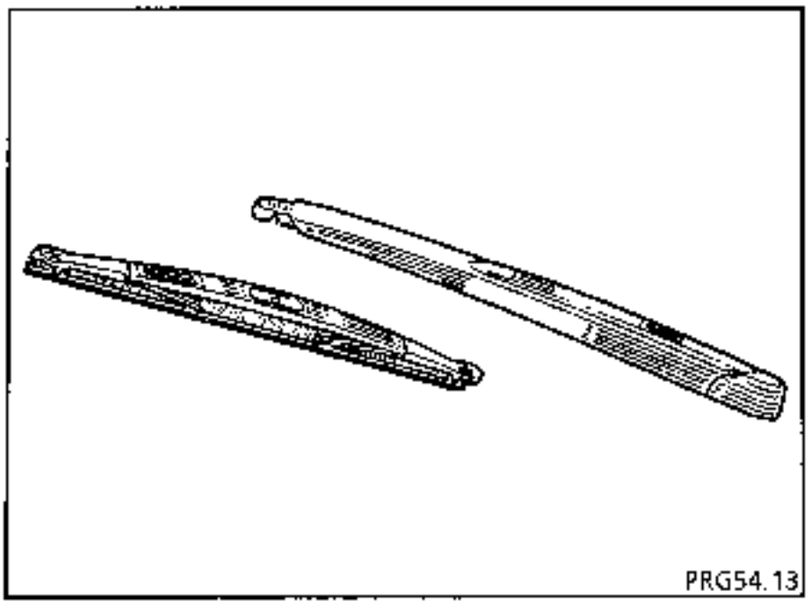
Fit a new external trim strip correctly to the screen and new lower blocks on the body.

Immediately after applying the PU mastic to the screen, fit the screen into position.

To do this, present the screen above its position and centre it by fitting the external trim strip against the upper edge.

Lay the screen into position so that it rests on the lower blocks.

REFITTING THE REAR WIPER



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

Check the splines on the wiper arm.

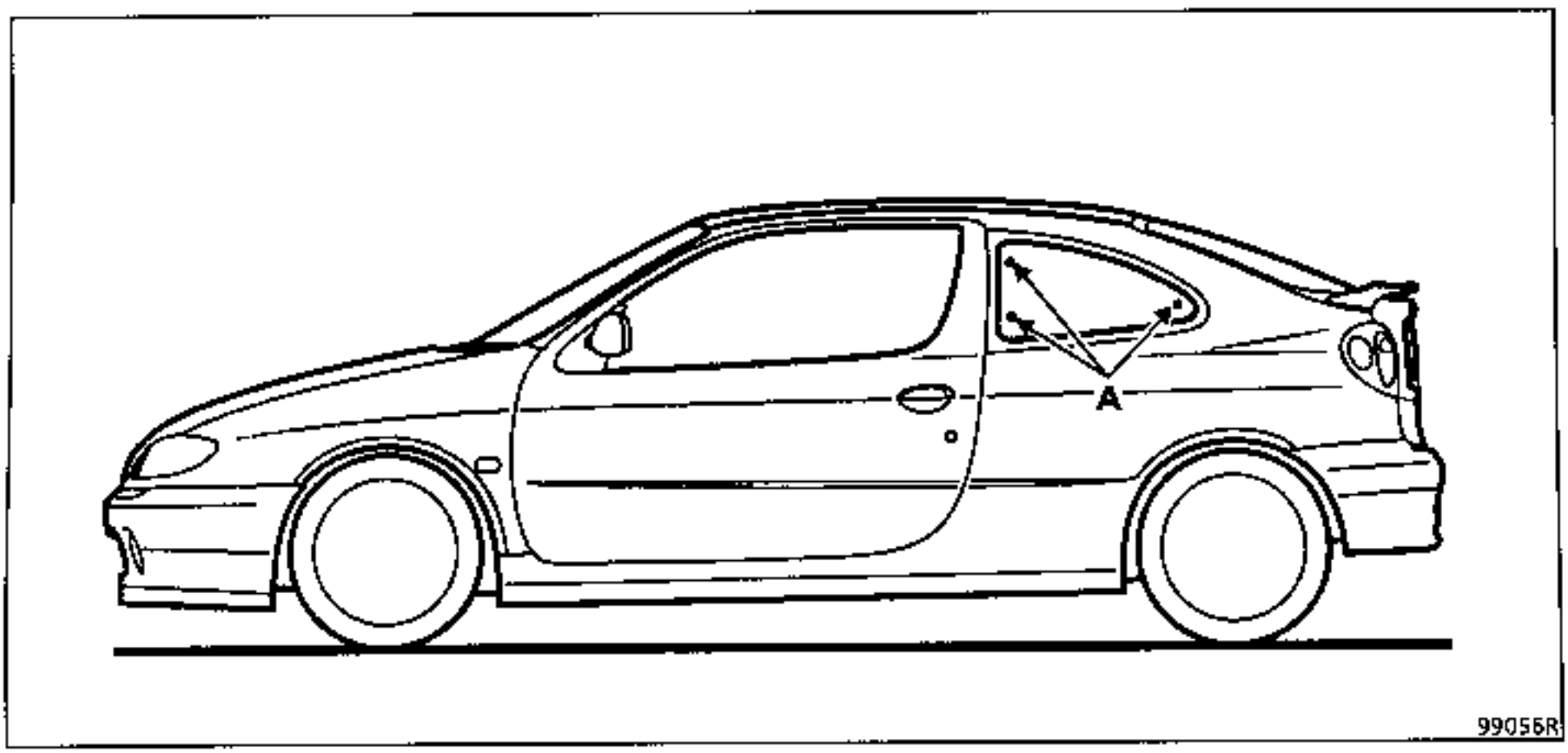
Refit the wiper arm, aligning the upper part of the wiper with the triangular mark on the rear screen heating grid.

Refit the nut and torque tighten to **12 Nm.** (±20 %) using a torque wrench.

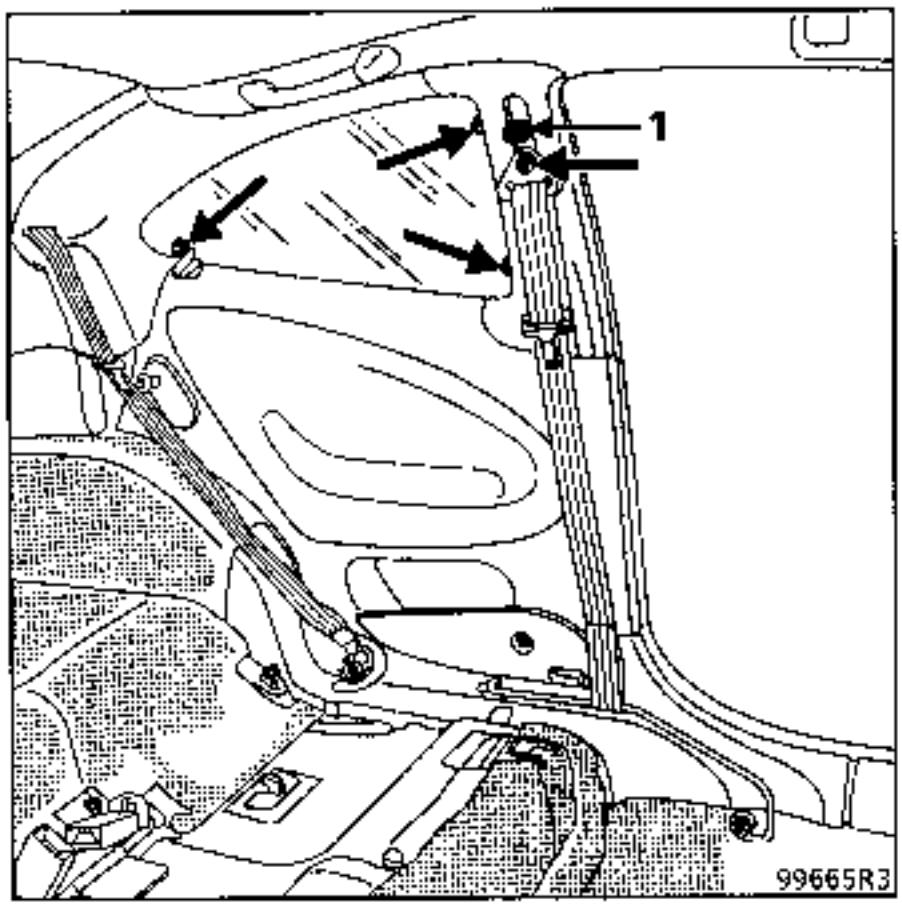
Check the wiper operates correctly.

Refit the cap on the nut.

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



REMOVING THE WINDOW

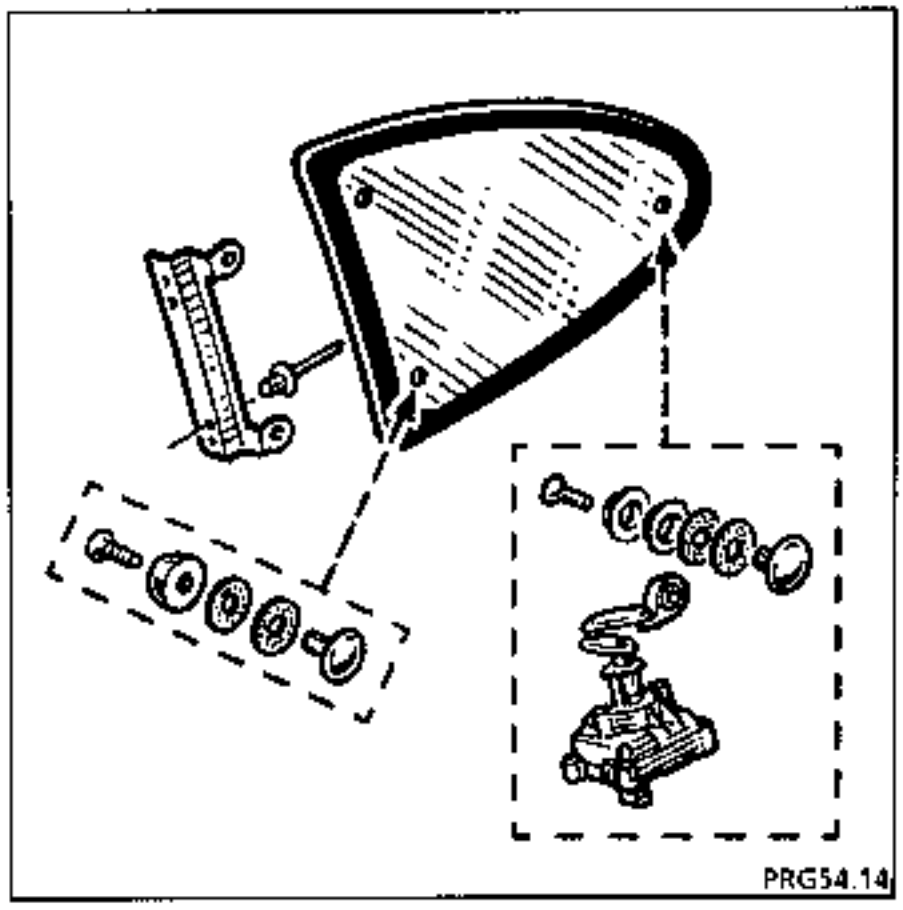


Open the window.

Remove the three window mounting lock bolts.

NOTE : the three ring nuts (A) prevent rotation during removal of the bolts.

REFITTING

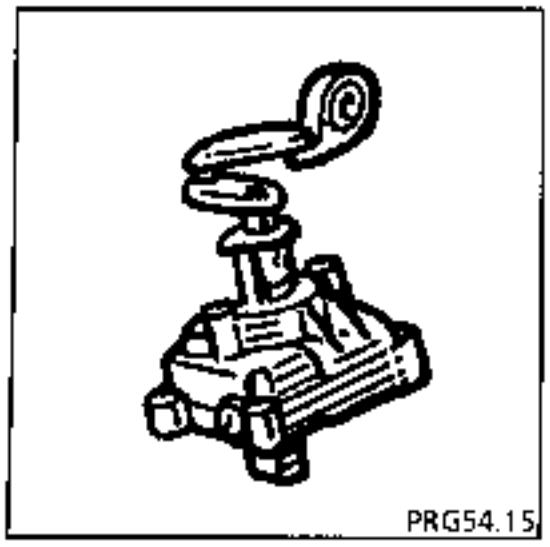


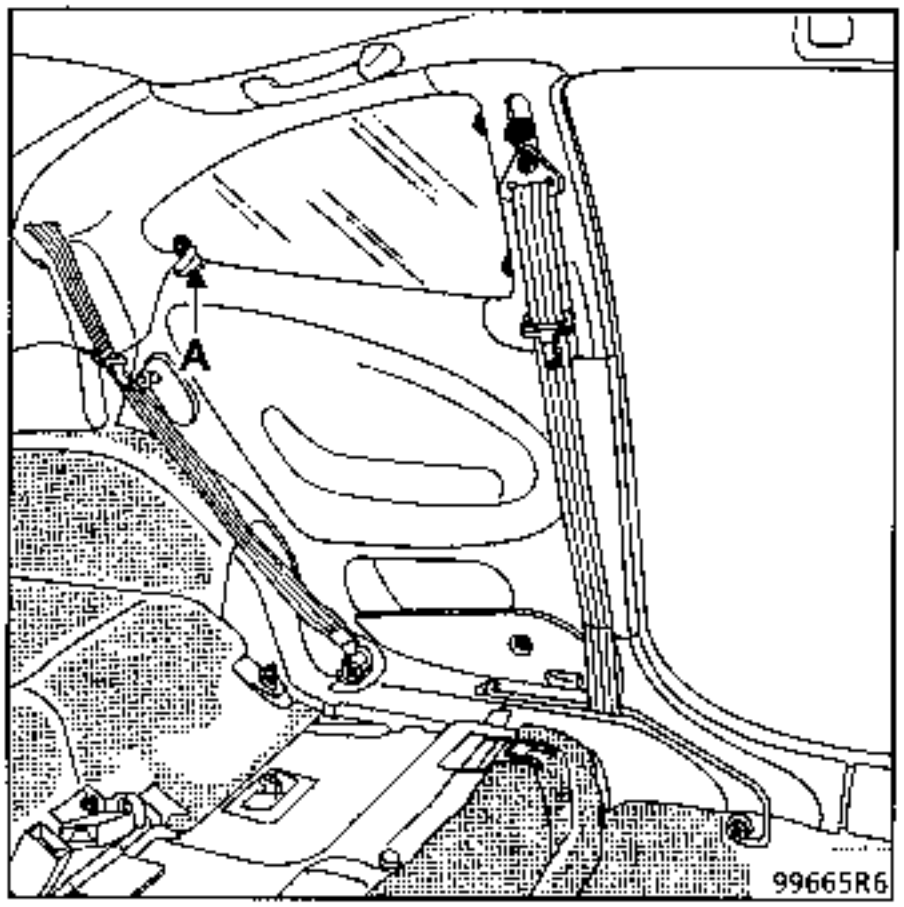
When refitting, ensure each component is positioned as shown above.

IMPORTANT : remember to lock the bolts before refitting.

TIGHTENING TORQUES (in daN.m)	▽
Rear quarter panel window mounting bolt	0.4

REMOVING THE CONTROL MOTOR

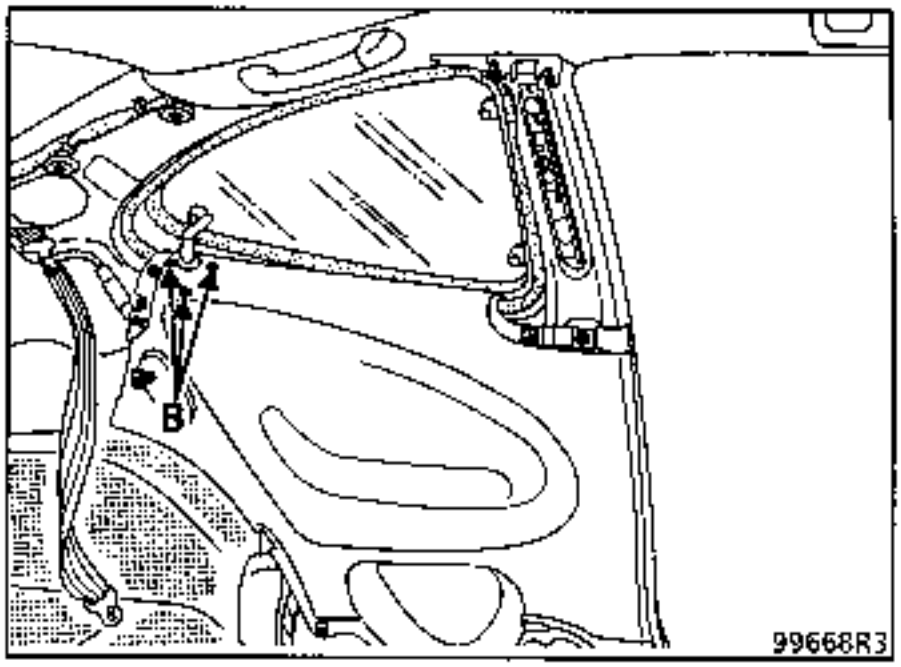




Remove:
- the rear sill lining (see 71B),
- the centre pillar lining (see 71A),
- the upper rear quarter panel lining (see 71C).

Open the rear quarter panel window to remove the connecting arm retaining bolt (A) and separate the motor shaft.

Remove the lower rear quarter panel lining (see 71D).

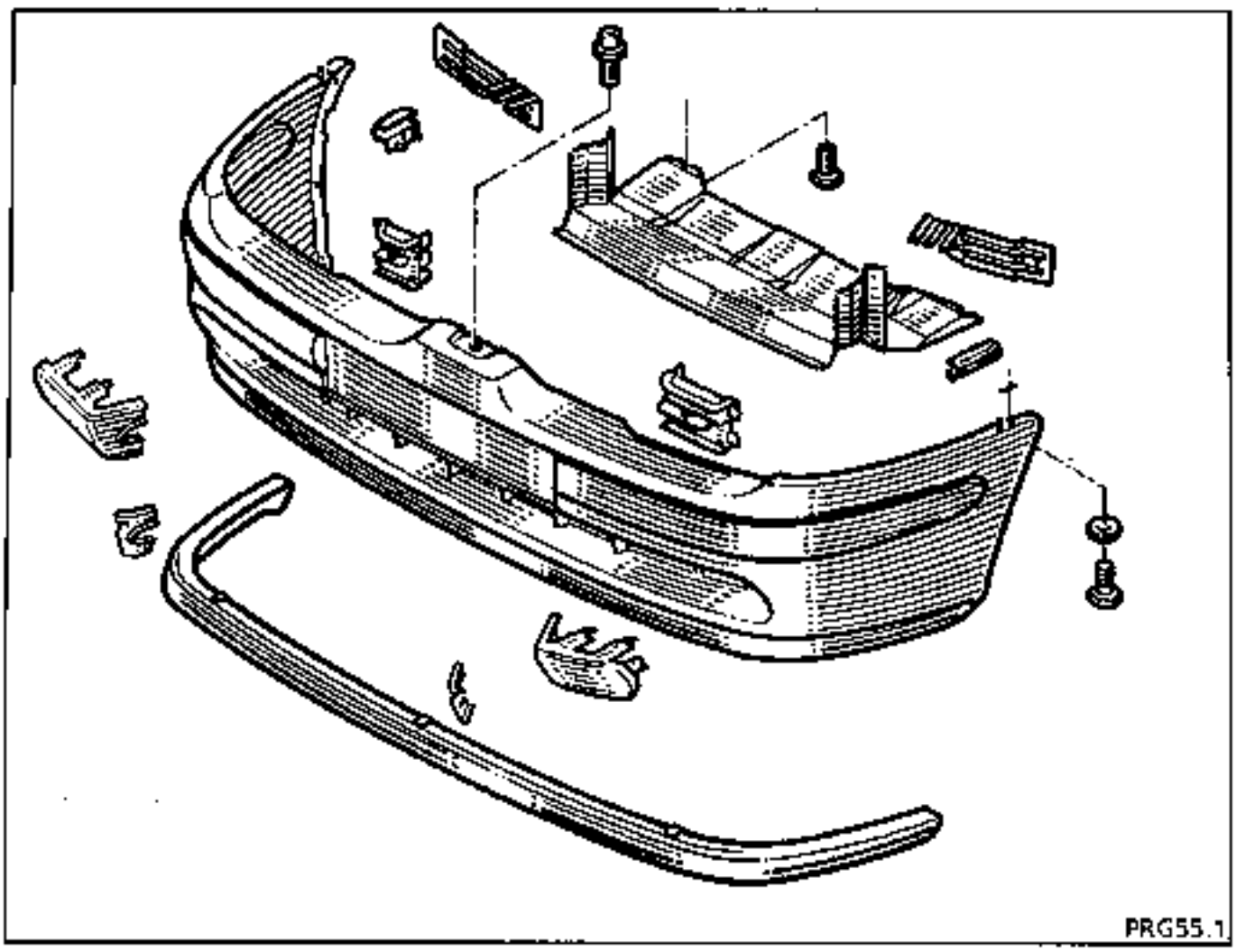


Remove the three mounting bolts (B) for the motor.

Disconnect the connector.

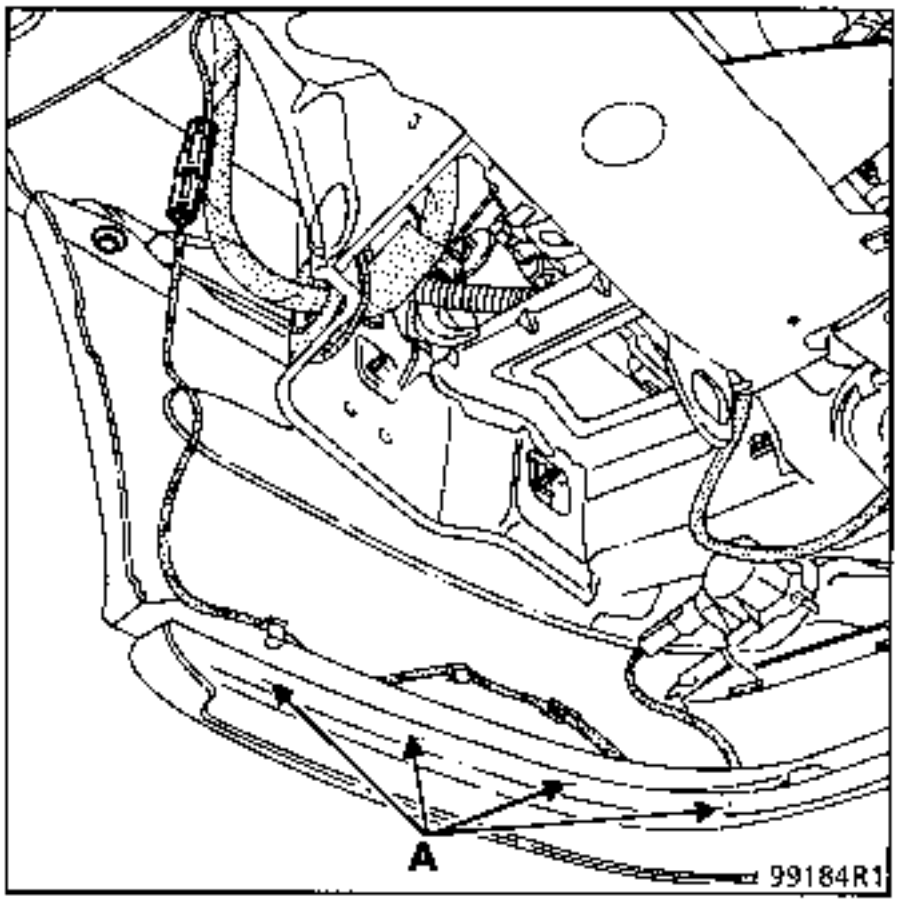
Remove the motor.

REPLACING THE INNER SECTION OF THE FRONT BUMPER

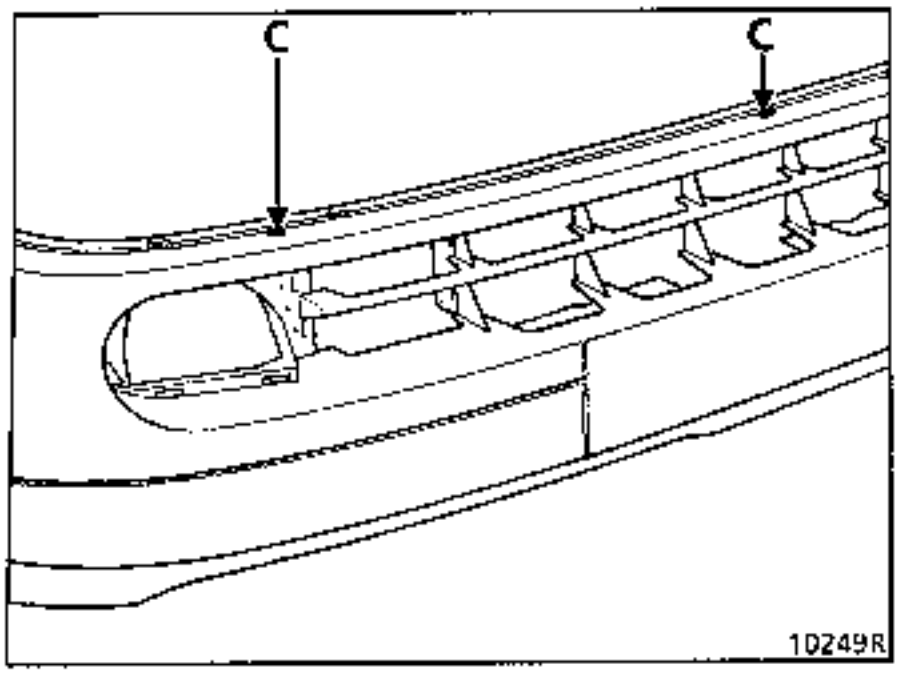


Remove:

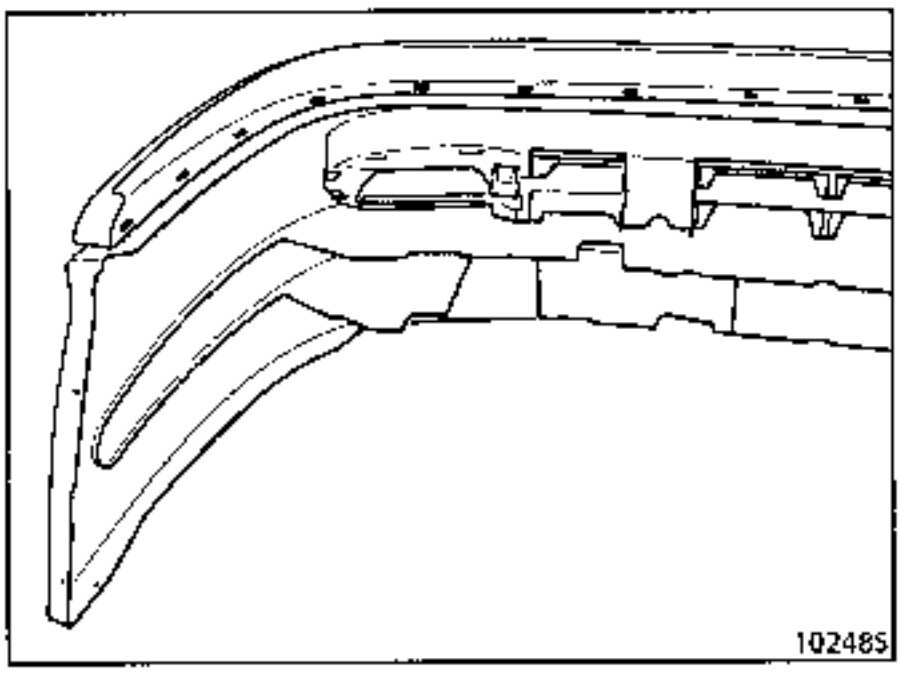
- the bumper (protect it). For removal, refer to MR 313 55A,



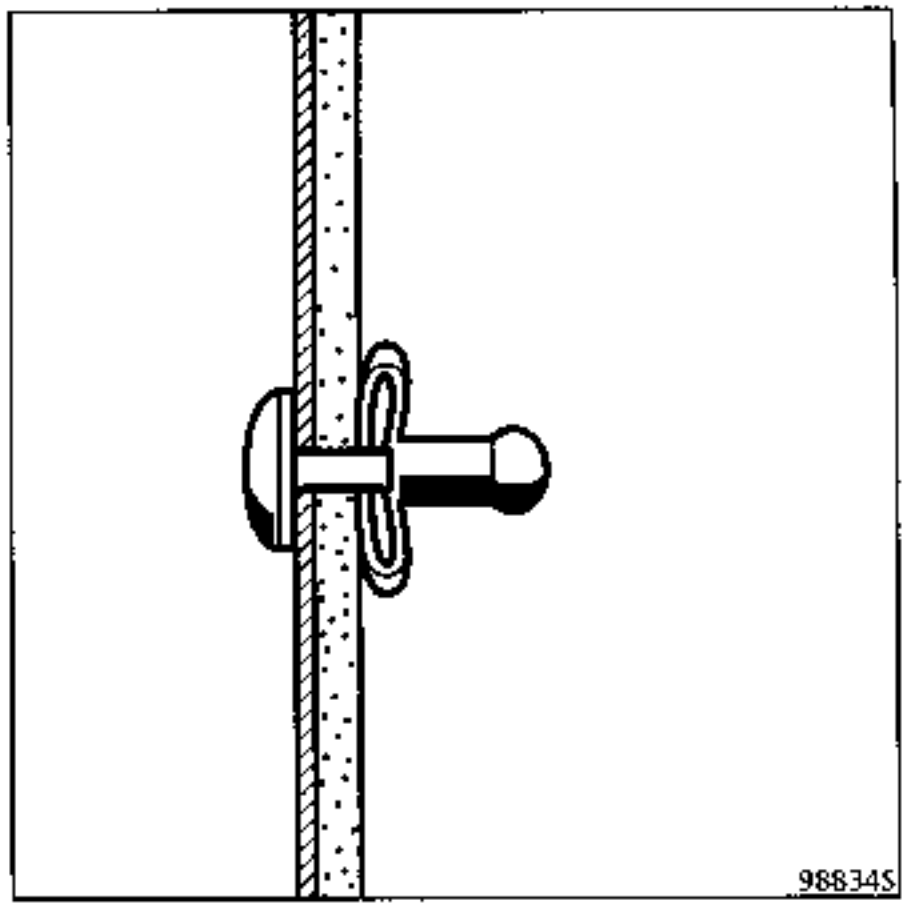
- the metal clips (A), along the lower part of the bumper and remove the spoiler.



Reposition the new part on the bumper, ensuring it is correctly centred (C).

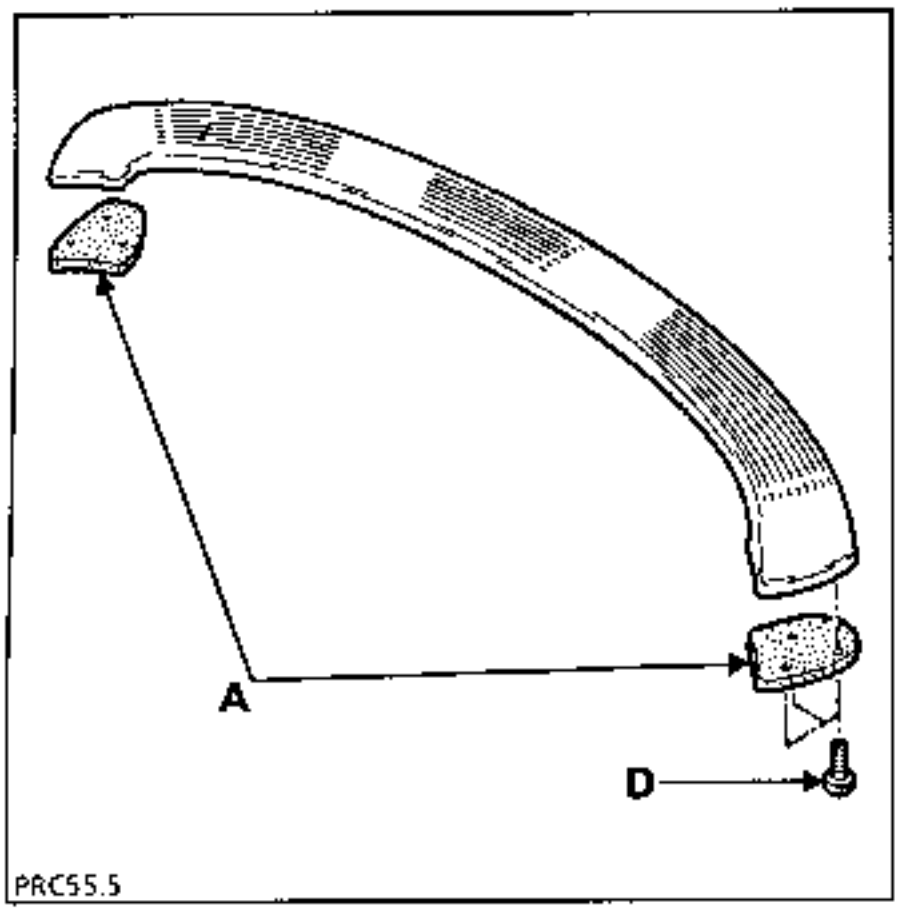


At the locations marked by a "clip", drill the spoiler and the bumper with diameter 4 holes.



Mount the front spoiler using aluminium "EXPANSE" type rivets, diameter 4 L20 Part Number : **77 11 170 346**.

NOTE:
This method should also be followed when the front bumper is replaced.



Fit the pads (A) to the spoiler.

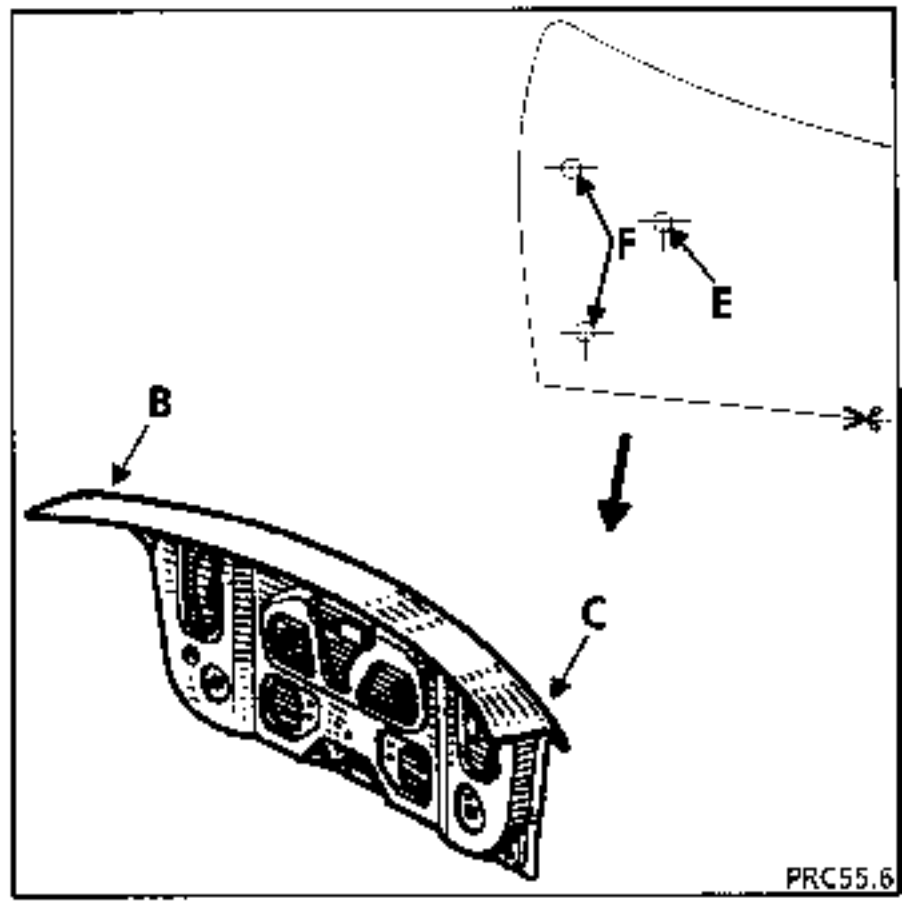
For reasons of standardisation, the Parts Department only supplies non-drilled boot lids.

Consequently, if the boot lid is to be replaced, for these sports vehicles (DA0F, DA0G, DA0H), the spoiler holes must be drilled by the repairer, following the instructions below.

DRILLING THE MOUNTING HOLES

Use the template in the following pages in the following manner:

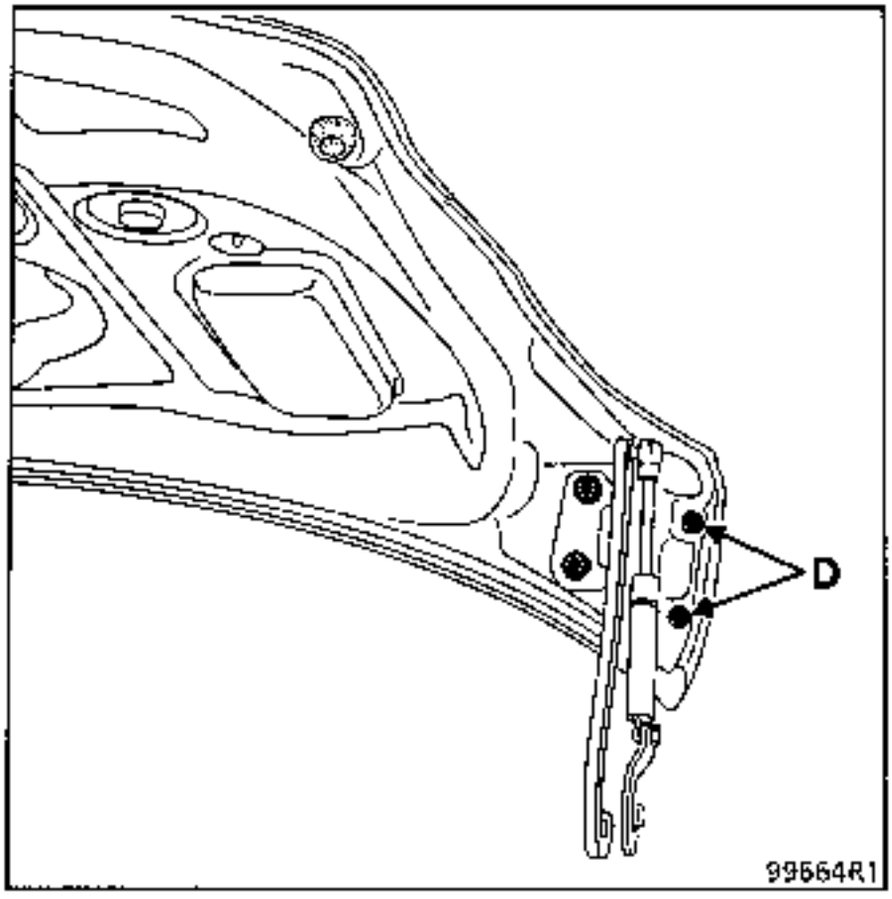
- make a 1/1 scale photocopy of the left and right hand templates,
- cut the template out following the dotted lines to obtain the correct shape,
- position the template in the upper corner (B) of the tailgate and secure it with two strips of adhesive tape.



Drill the hole for the centring device (E) diameter 8, and the two mounting holes (F), diameter 8.

Carry out the same procedure for the left hand side (C).

FITTING THE SPOILER



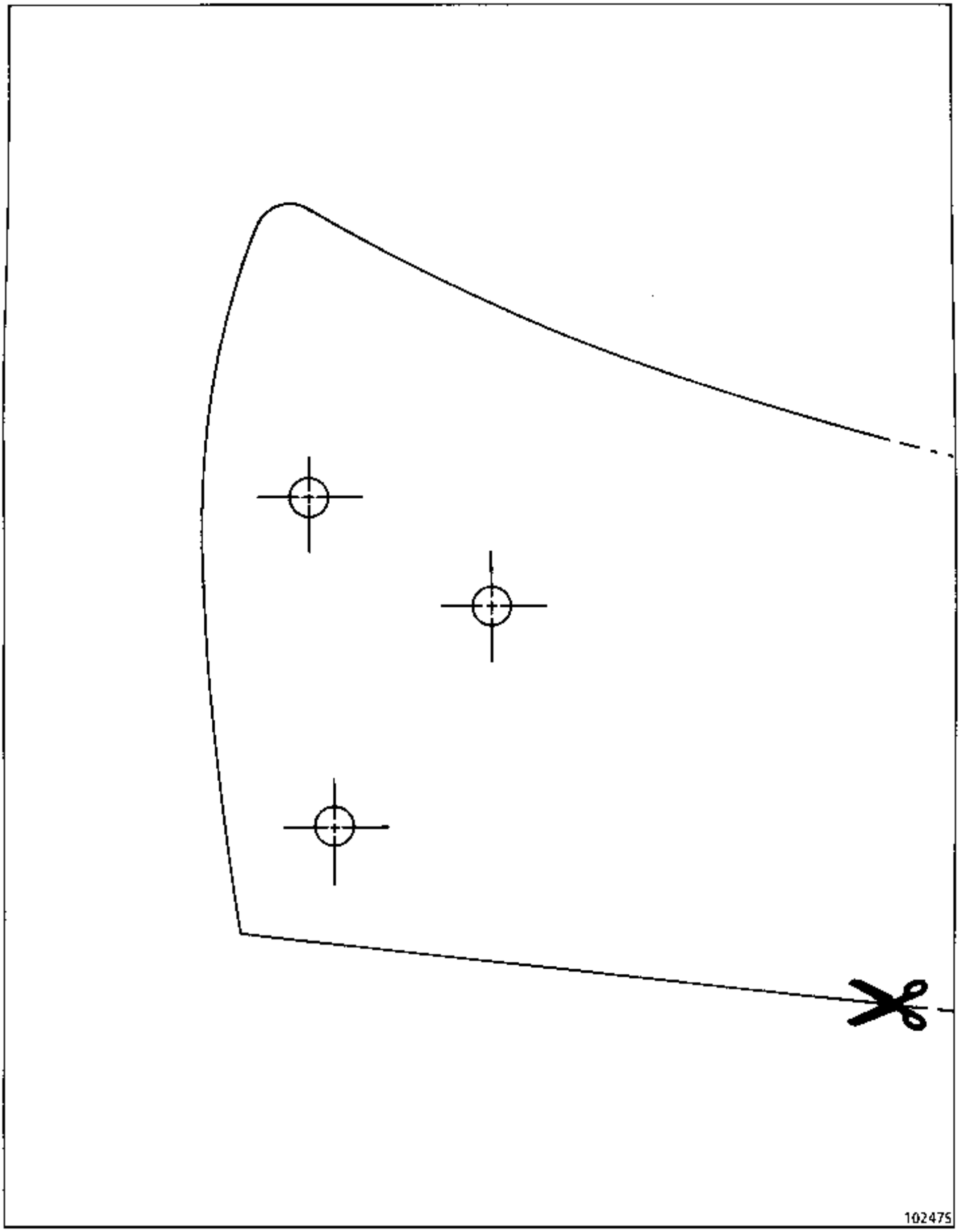
Fit the spoiler on to the boot lid.

Fit the two mounting bolts on each side (D).

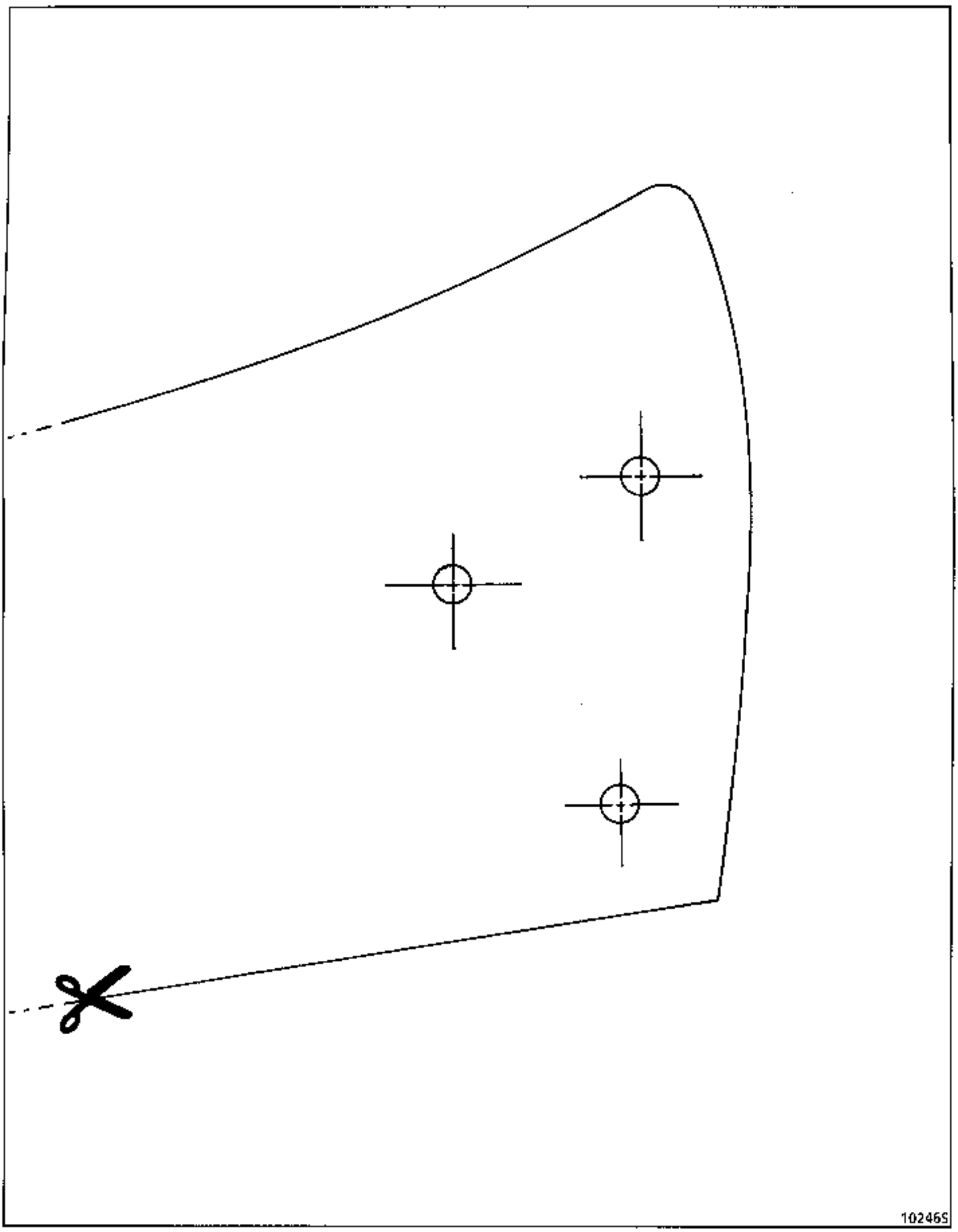
Before tightening the bolts, adjust the clearances to centre the spoiler correctly.

Ensure the two pads (A) are clean before refitting.

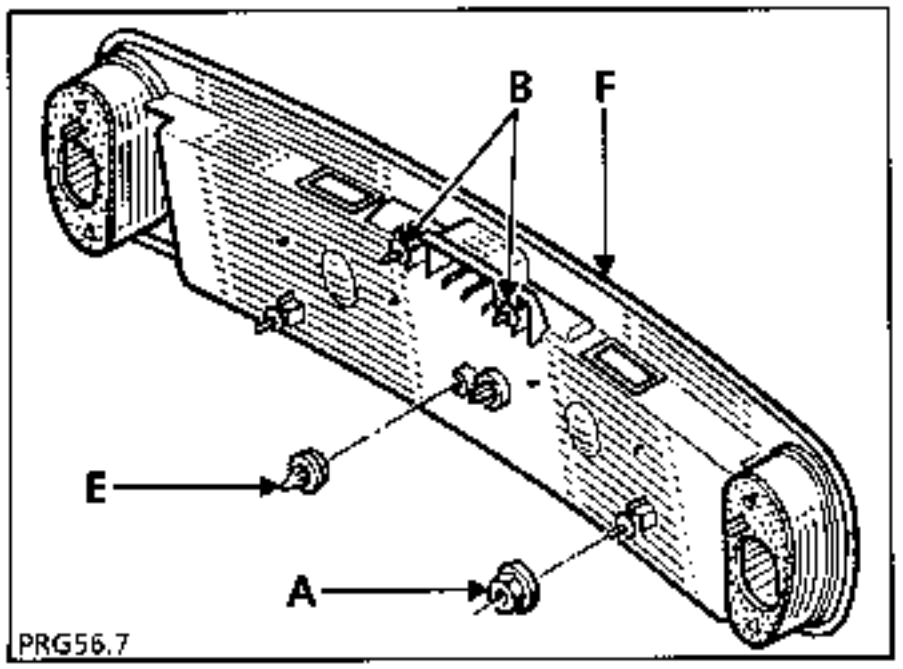
IMPORTANT: bolts (D) are not provided with the spoiler - Part Number : 77 03 008 107.



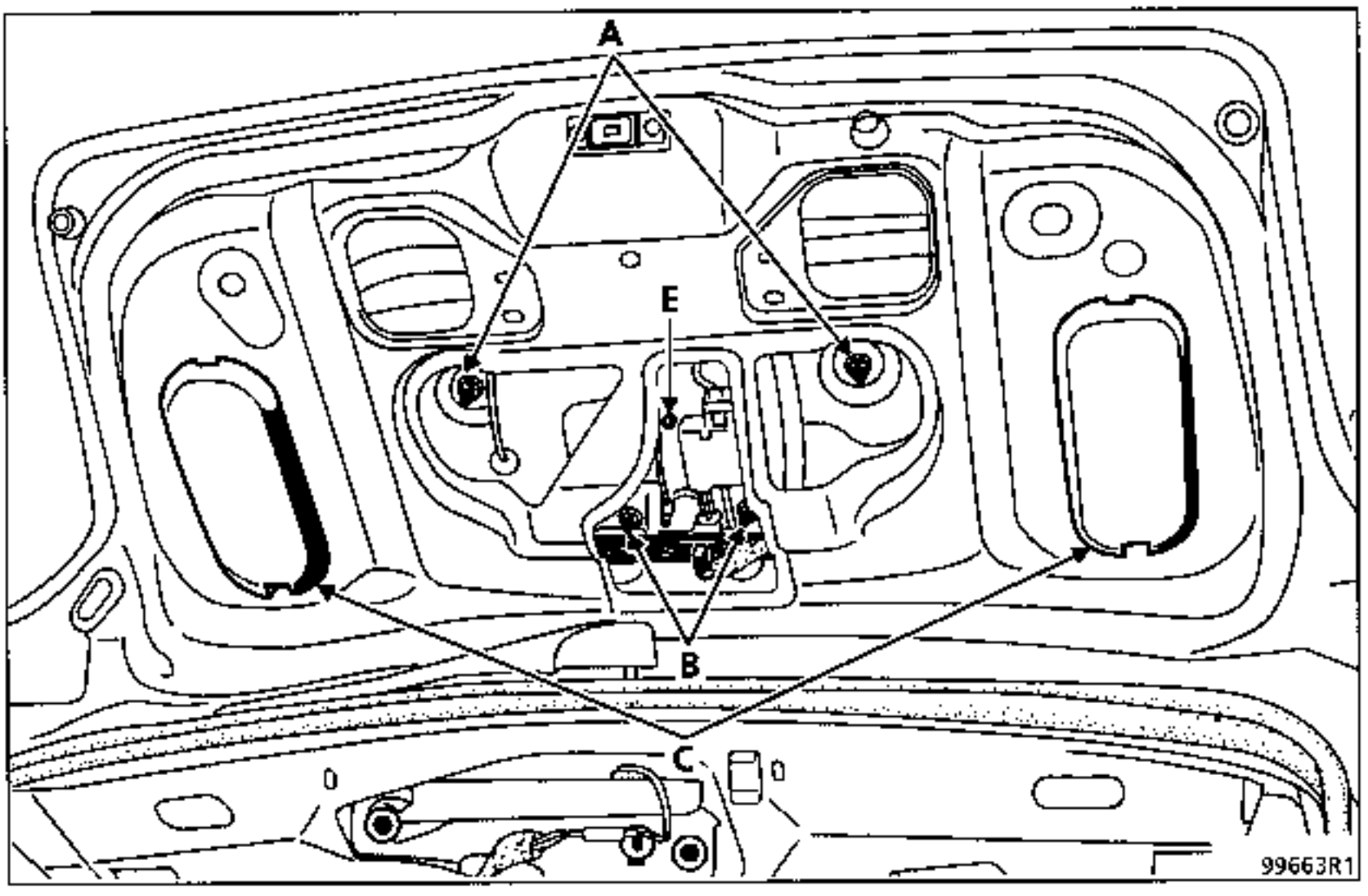
TEMPLATE FOR DRILLING HOLES ON LEFT HAND SIDE (C)



TEMPLATE FOR DRILLING HOLES ON RIGHT HAND SIDE (B)

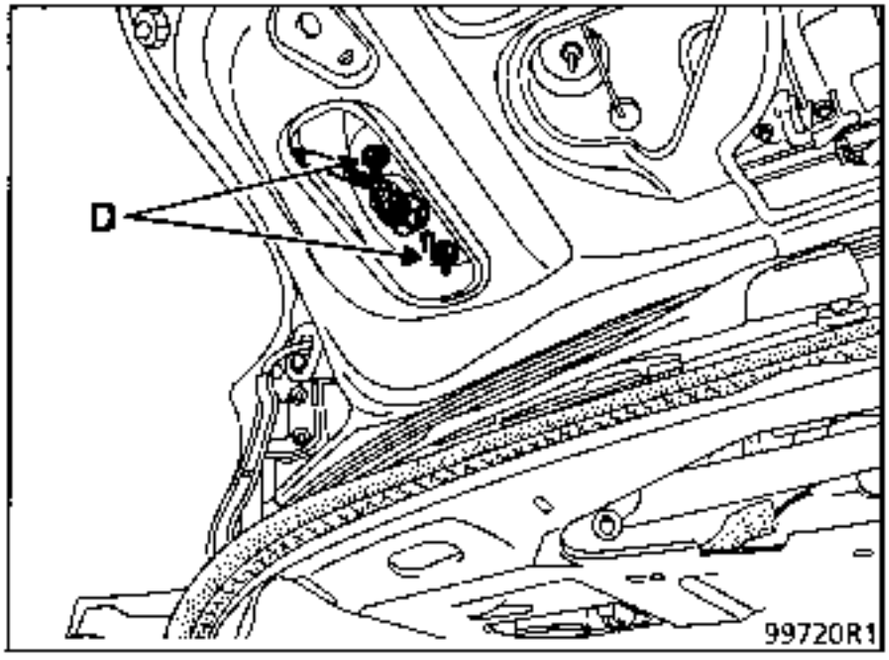


REMOVAL



Remove:
- the two nuts (A) mounting the trim on the tailgate,
- the two nuts (B) mounting the tailgate lock.

Unclip the two rear fog light inspection covers at (C) and remove them from their position.



Remove the four mounting bolts (D) for the trim from near the rear fog lights.

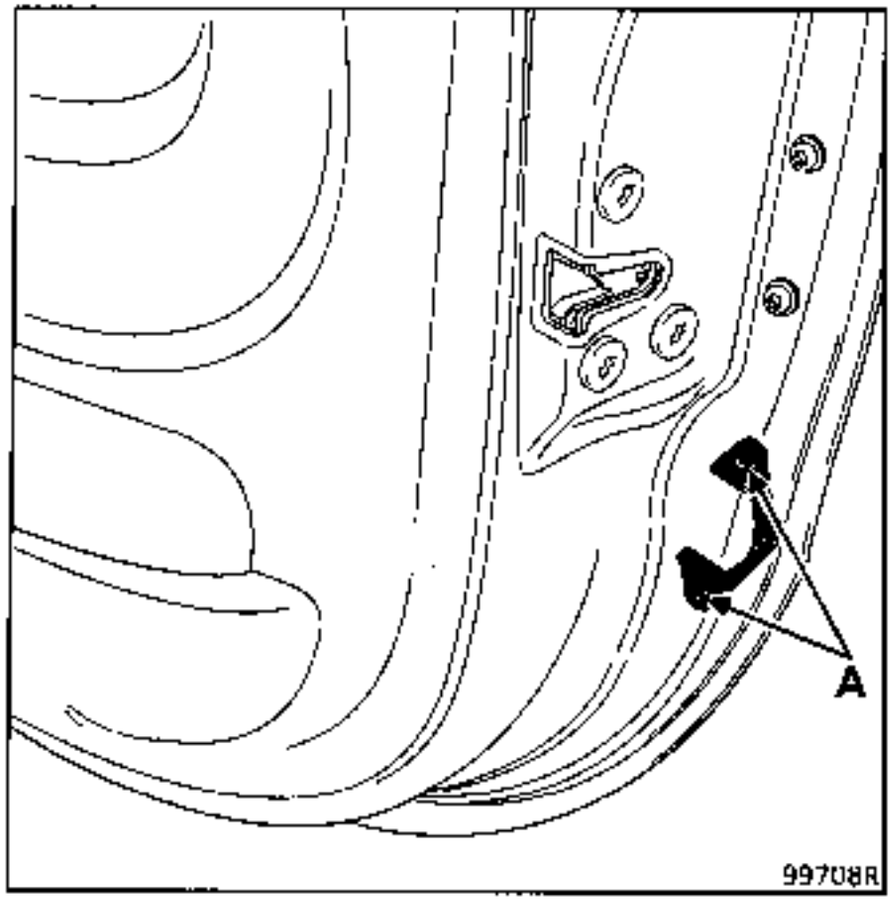
Disconnect the rear fog light connectors if necessary.

Release the clips (E) (see previous page).

REFITTING

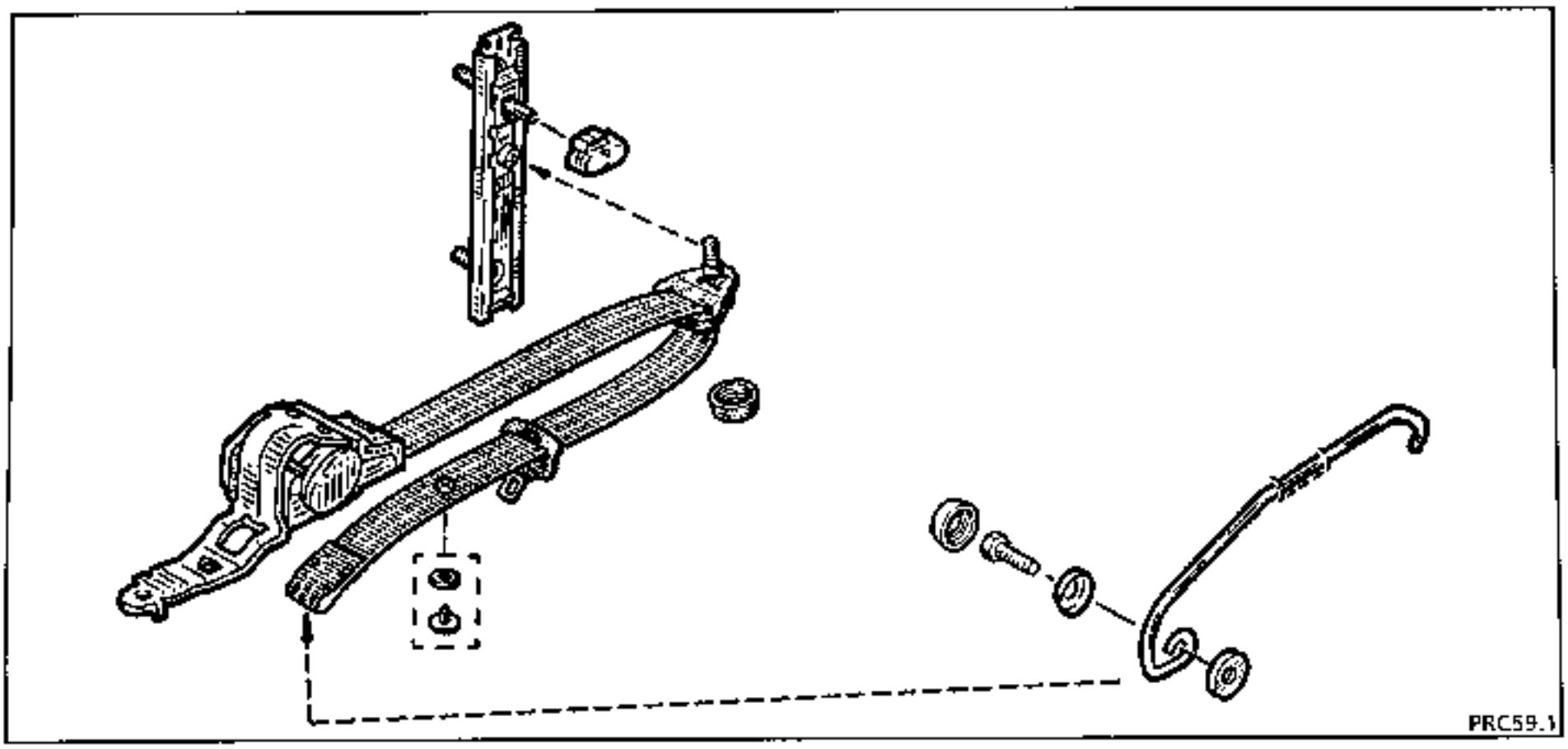
Ensure the edge seal (F) is perfectly clean before refitting.

REMOVAL



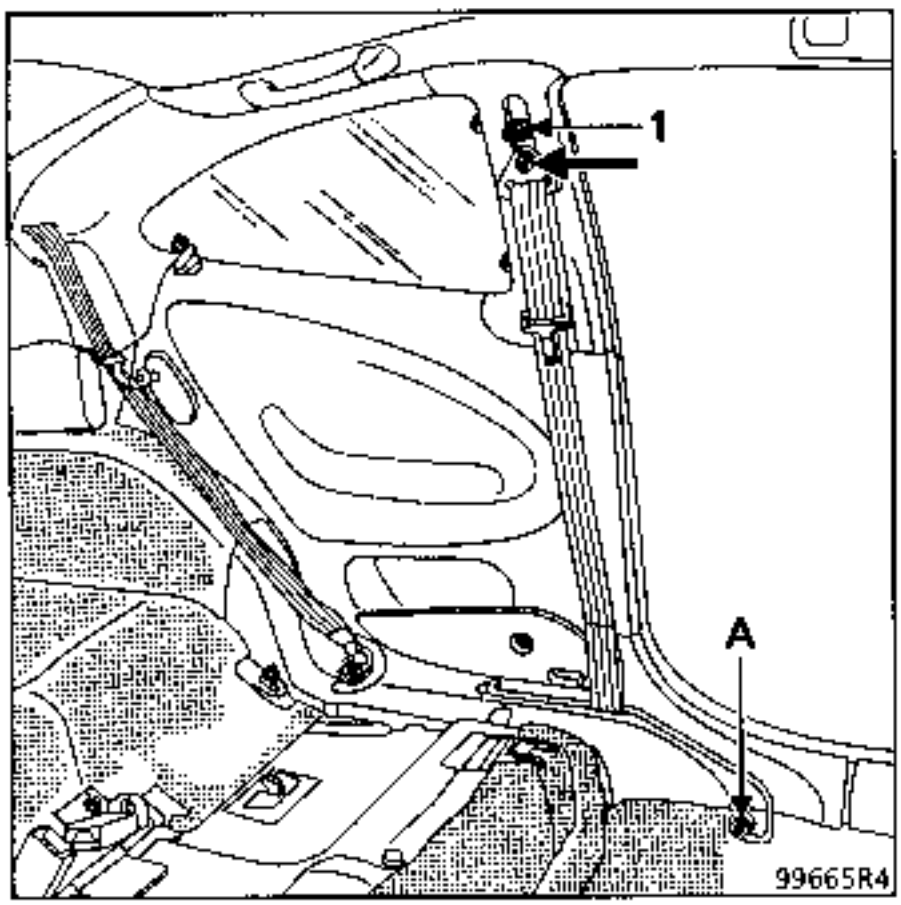
This bracket prevents the door switch from being reached from the outside once the door has been closed.

Remove the two mounting bolts (A).

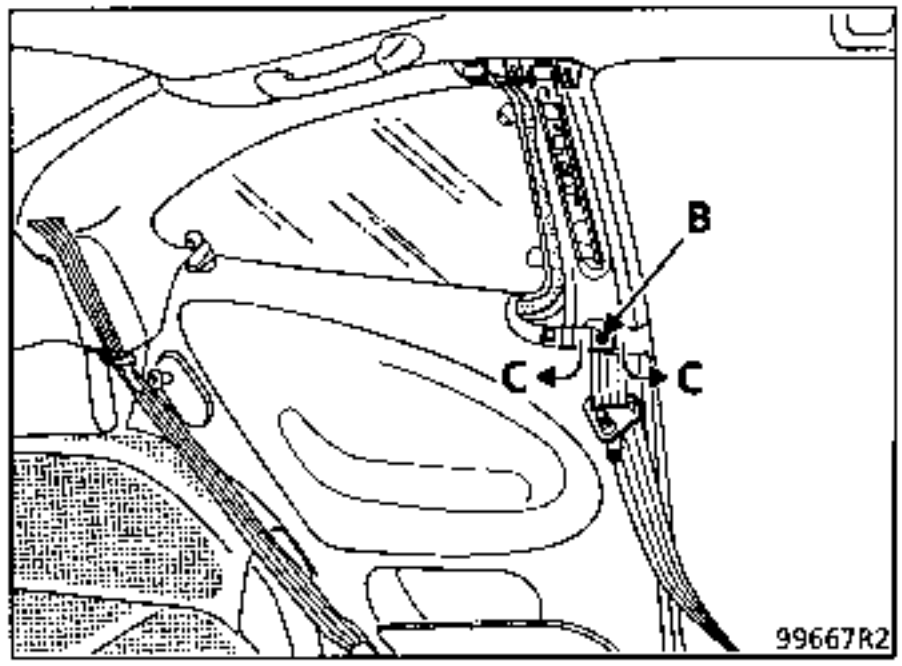


TIGHTENING TORQUES (in daN.m)	▽
Seat belt mounting nut	2.5

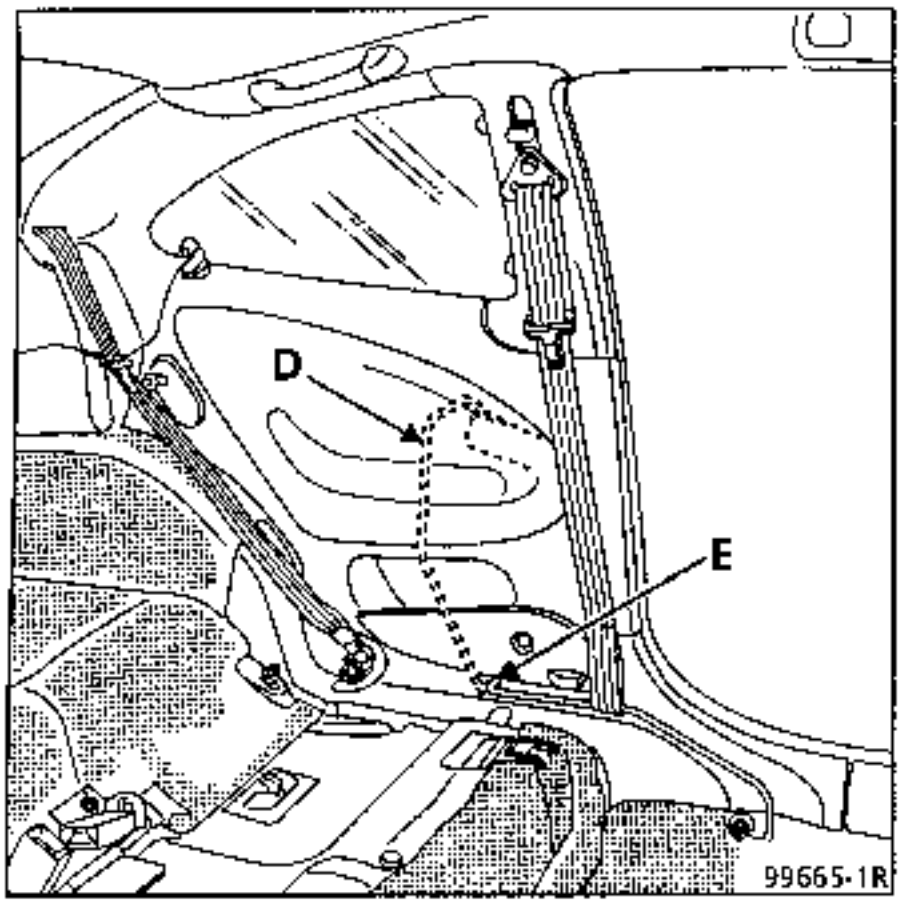
REMOVAL



Remove:
- the upper seat belt mounting and the adjustment button (1),
- the centre pillar lining (see 71A),
- the lower mounting bolt (A) for the guide rail,

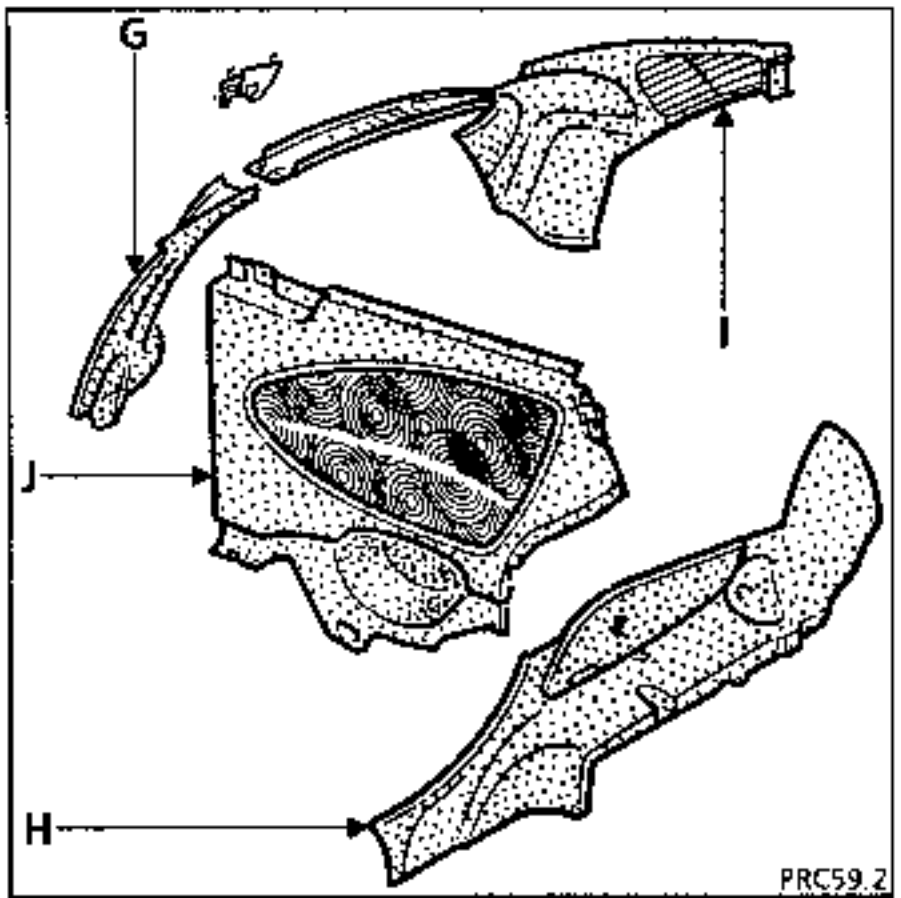


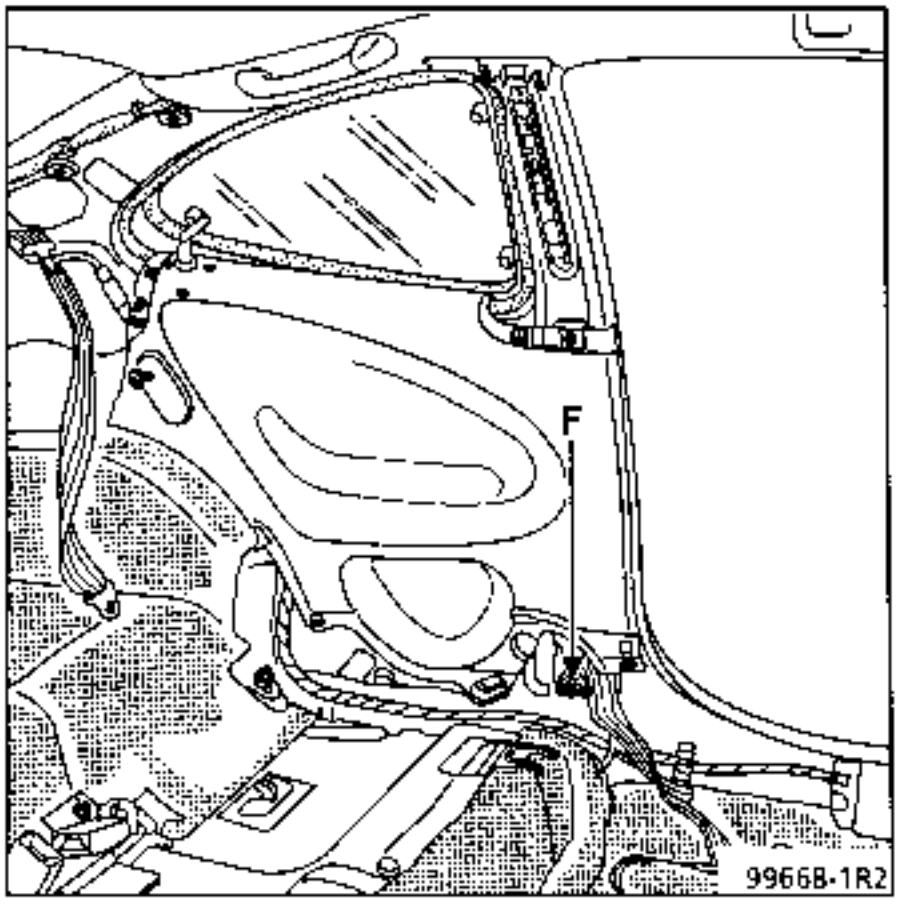
- remove bolt (B) and separate the two clips (C) to release the seat belt.



Release the strap from the rail (D) and align the rail as shown in the diagram above to release clip (E) from its position.

Remove:
- the upper centre pillar lining(see 71A) (G),
- the rear sill lining (see 71B) (H),
- the upper rear quarter panel lining (see 71C) (I),
- the lower rear quarter panel lining (see 71D) (J).

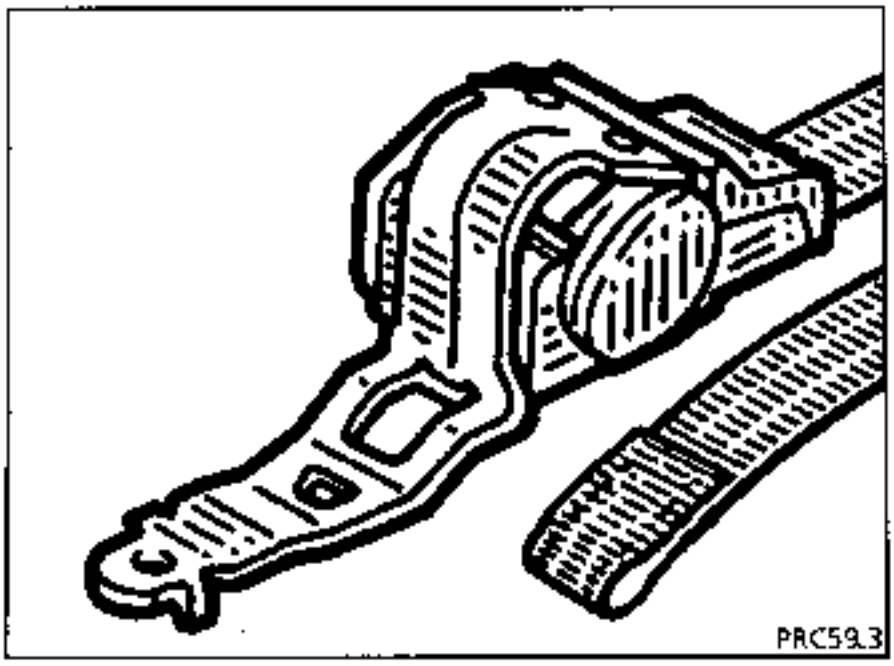




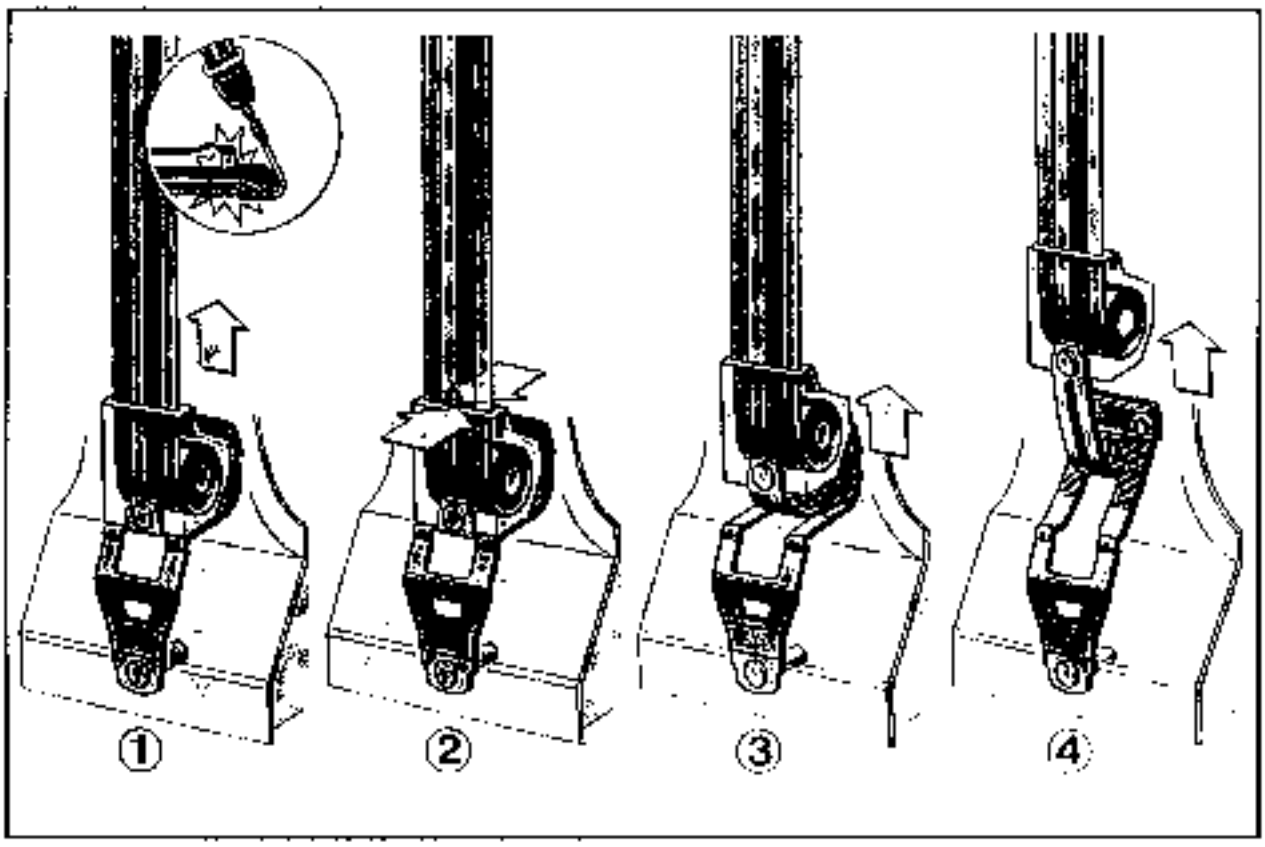
Remove the inertia reel (F).

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



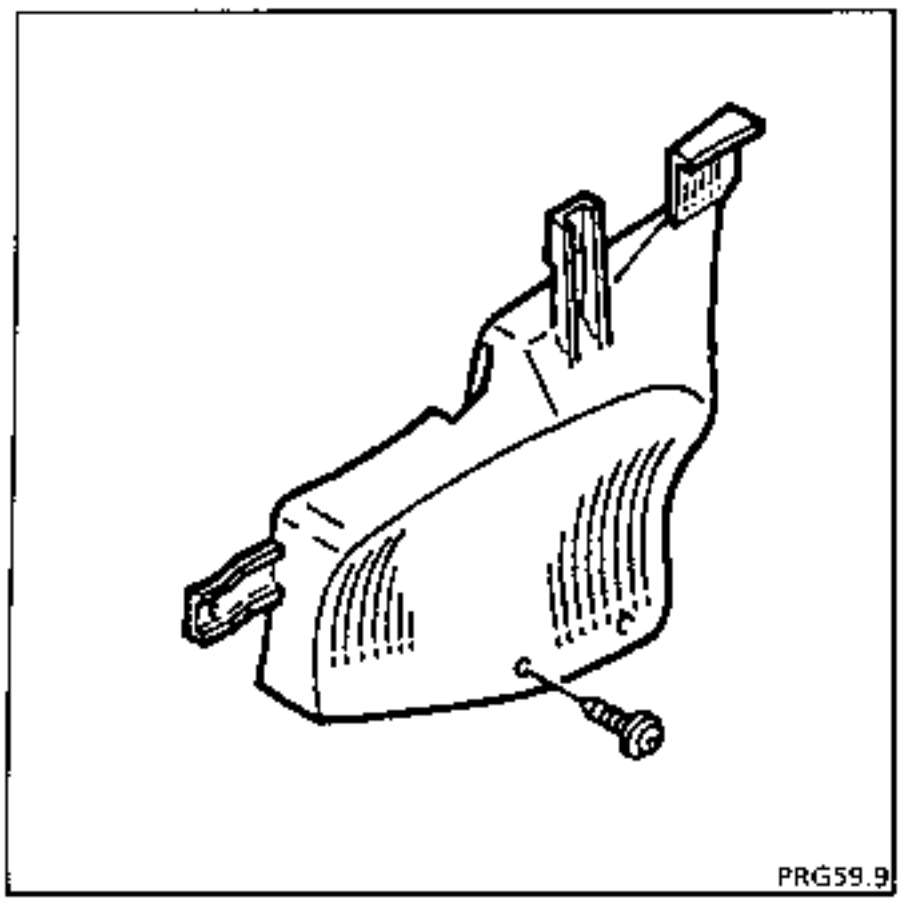
Inertia reel mounting (A).



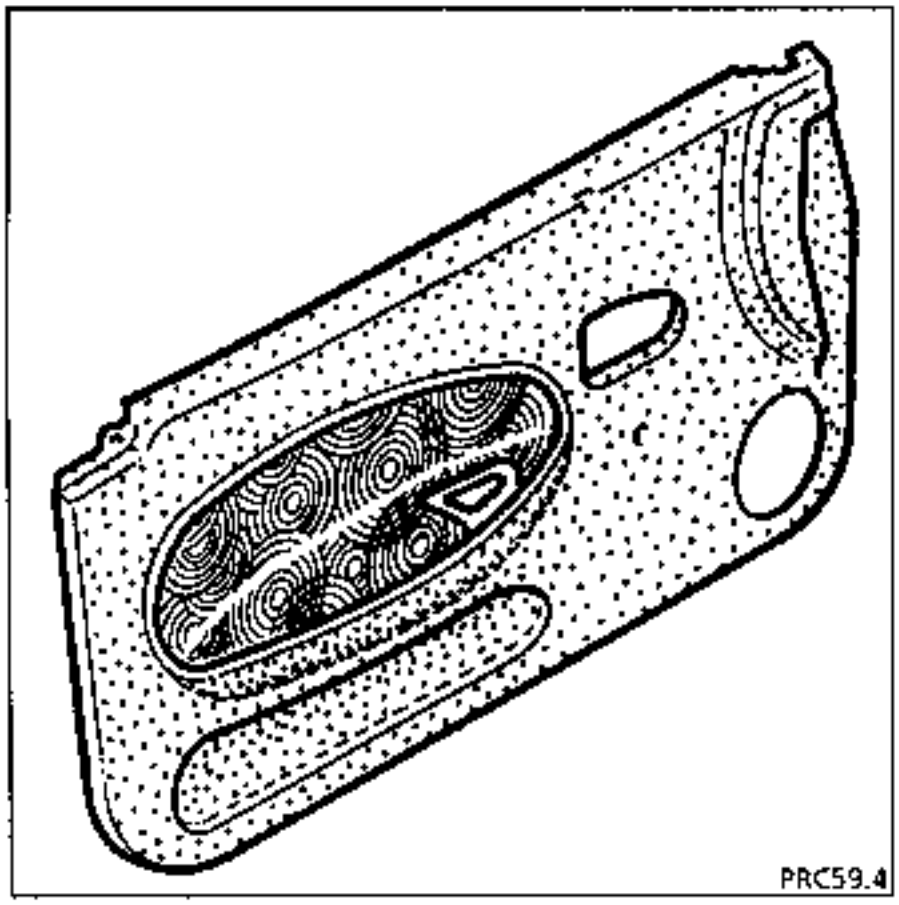
Operating principle:
- pretensioner action (1)
- seat belt locking action (2)
- force limiter action (3) and (4) ; deformation under seat belt strap tension.

REFITTING

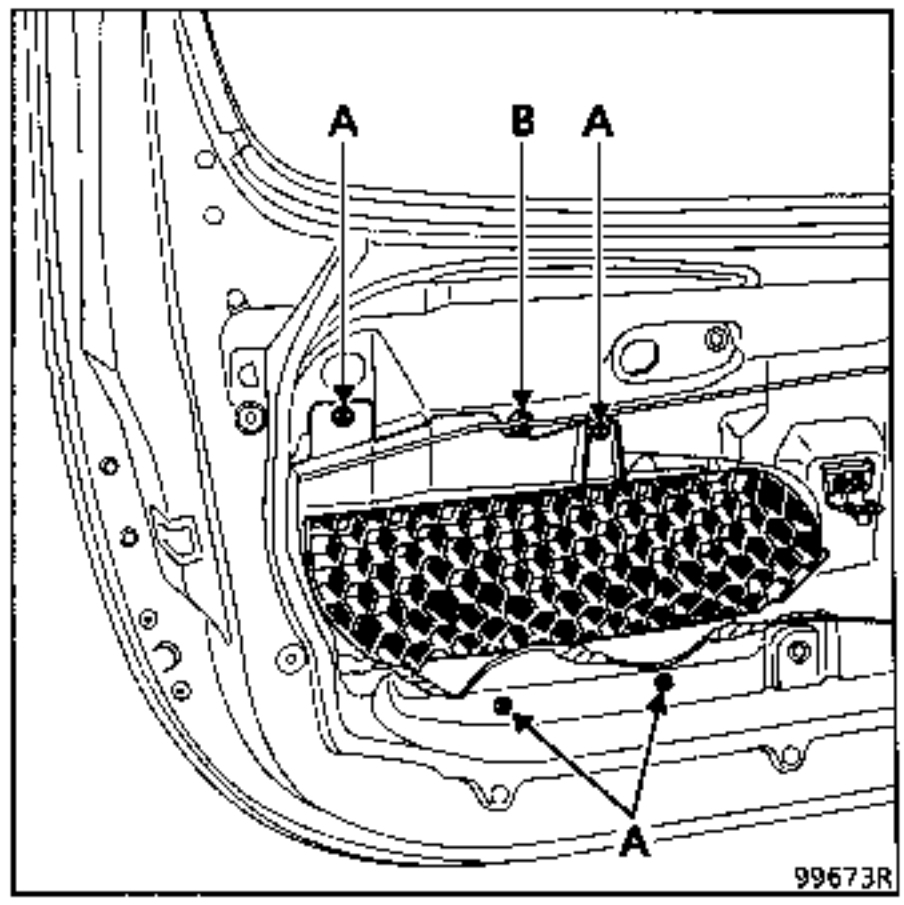
If the pretensioners have been triggered the front seat belt or belts as well as the respective mountings must be systematically renewed, with their mounting bolts, if they were fastened when the system was triggered (if there is any doubt about whether the seat belt was being worn, it must be renewed).



REMOVAL

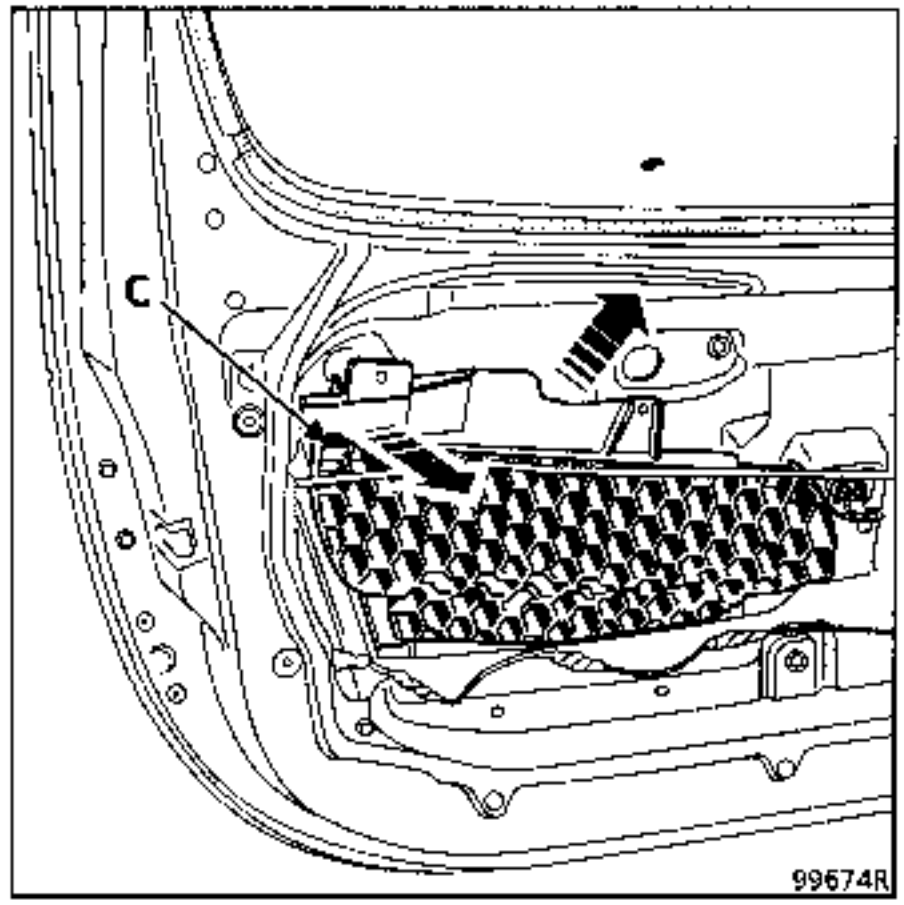


Remove the front door trim panel (see 72A).



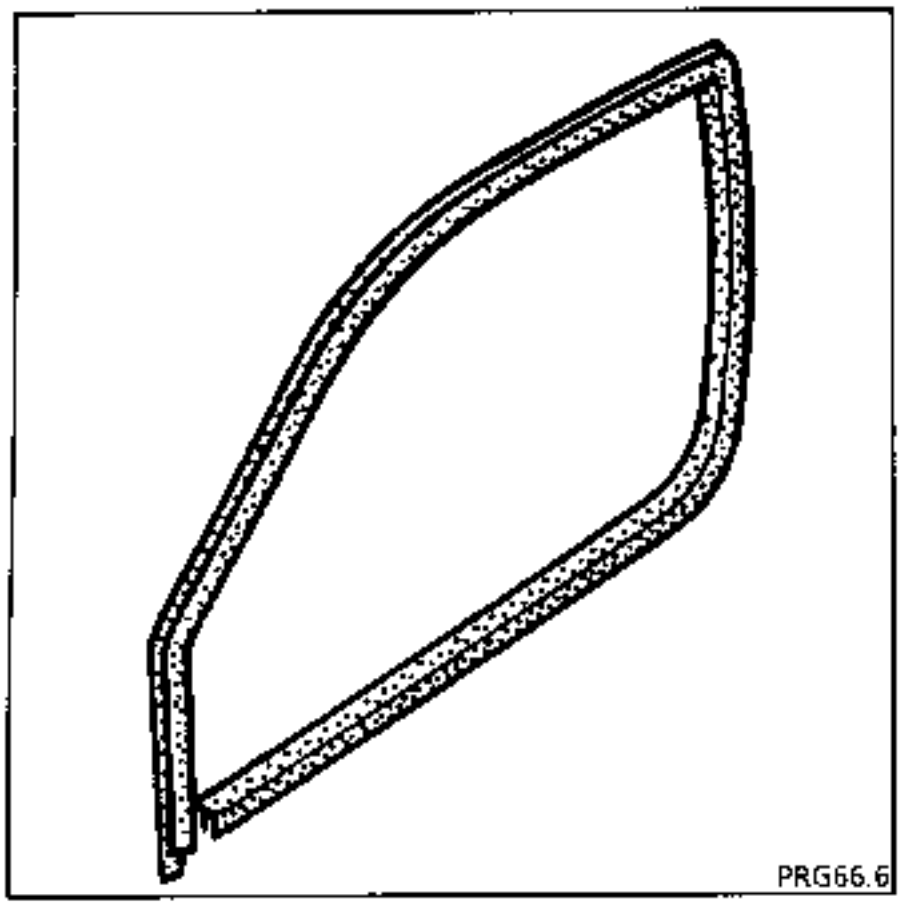
Remove the four mounting bolts (A) securing the absorber to the body.

Release the interior door control linkage from clip (B).

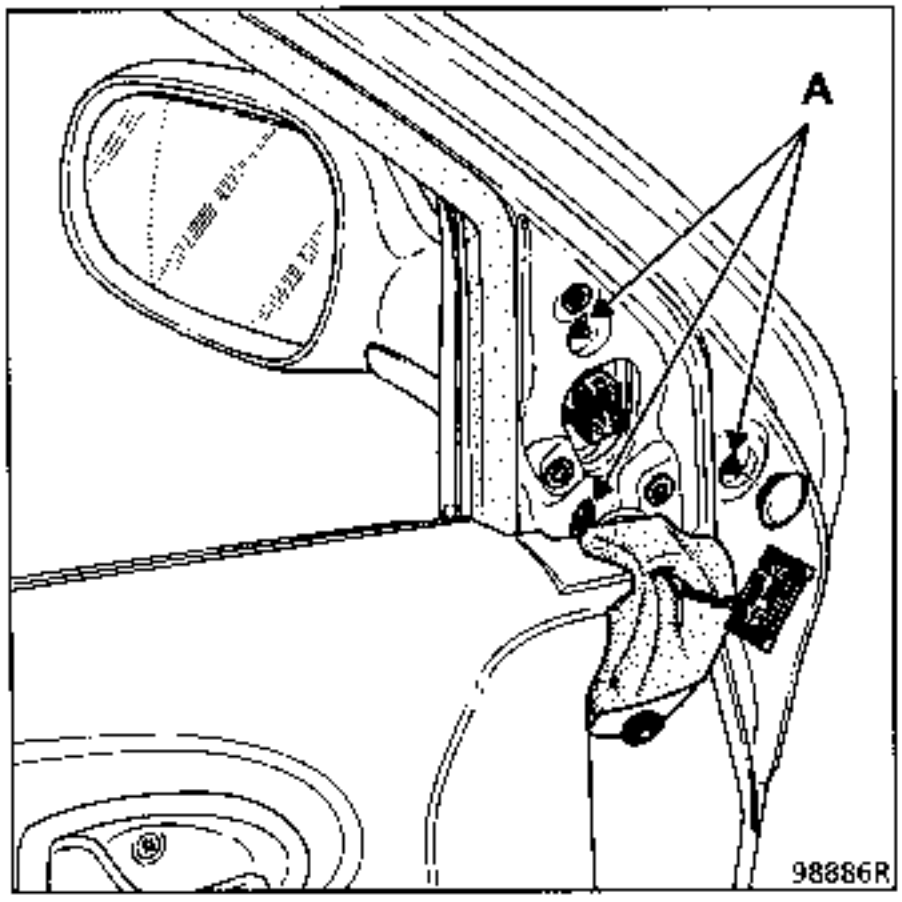


Pull the impact absorber towards the door hinges, while moving the absorber away from the body at the top in order to release the corner section (C).

Release the lower section of the absorber.



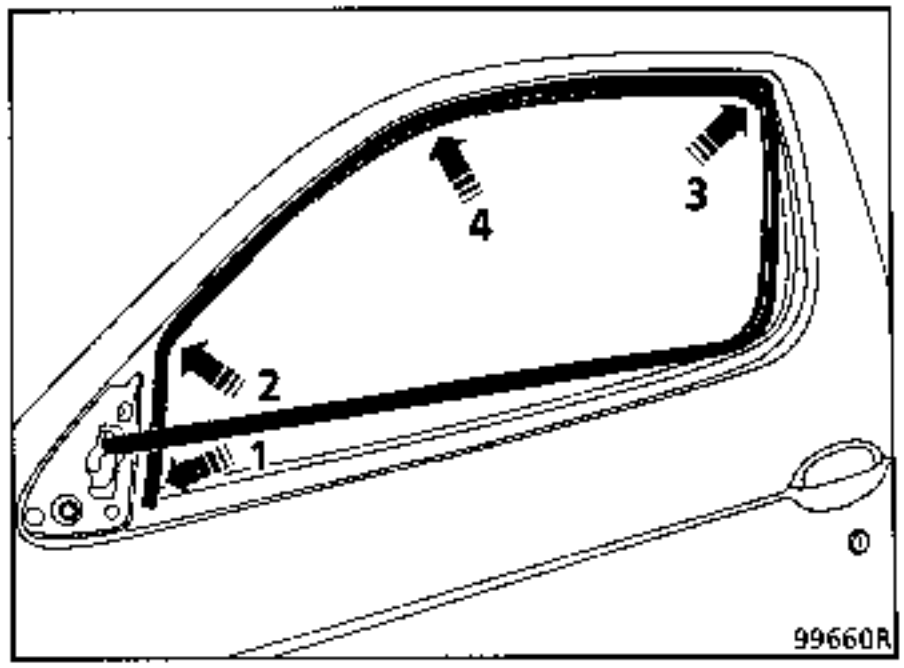
REMOVAL



Remove:
- the rear view mirror inner cover,
- the three mounting bolts (A) for the external rear view mirror

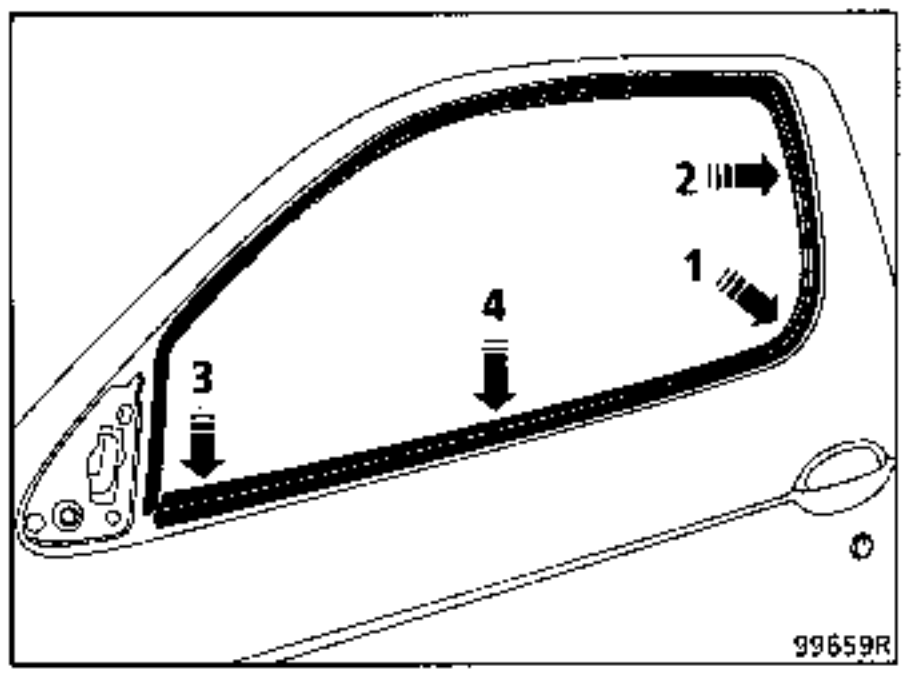
IMPORTANT: the weatherstrip is fragile. Use a very flat chisel, protected with masking tape or a cloth, lifting the weatherstrip at 10 cm intervals.

REFITTING



Begin repositioning the guide, fitting the vertical front section at (1) then (2).

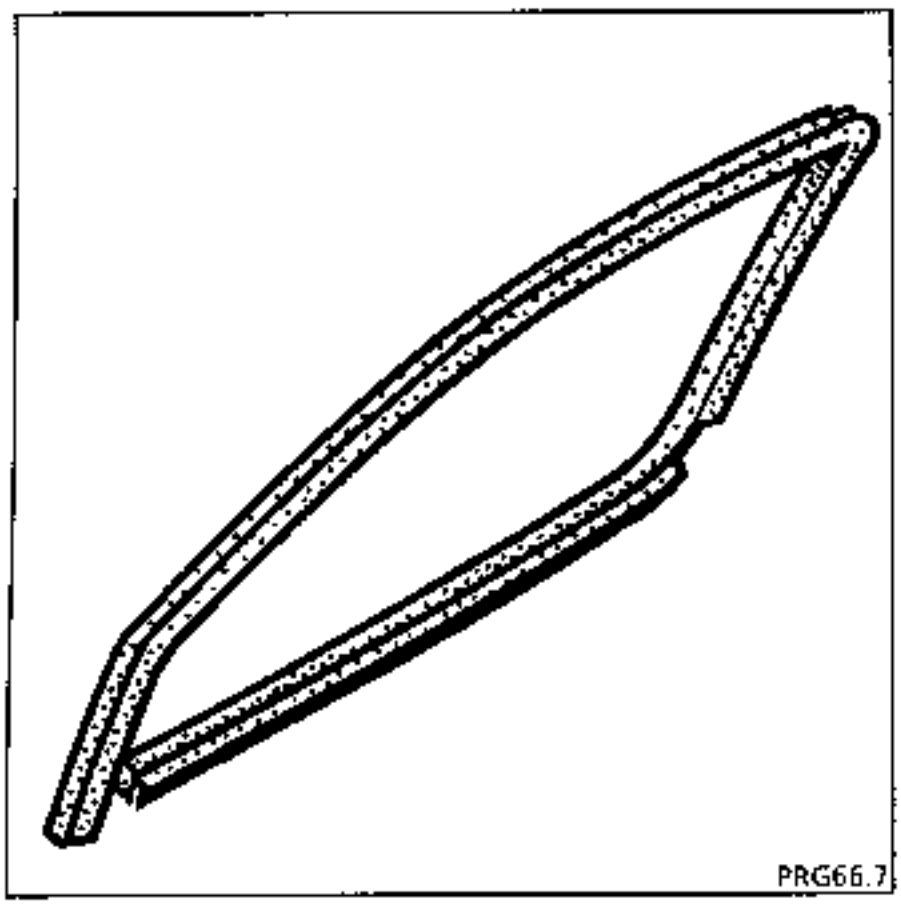
Press home the moulded corner (3) without forcing it , noting how it fits from the outside of the vehicle and fit the upper section (4).



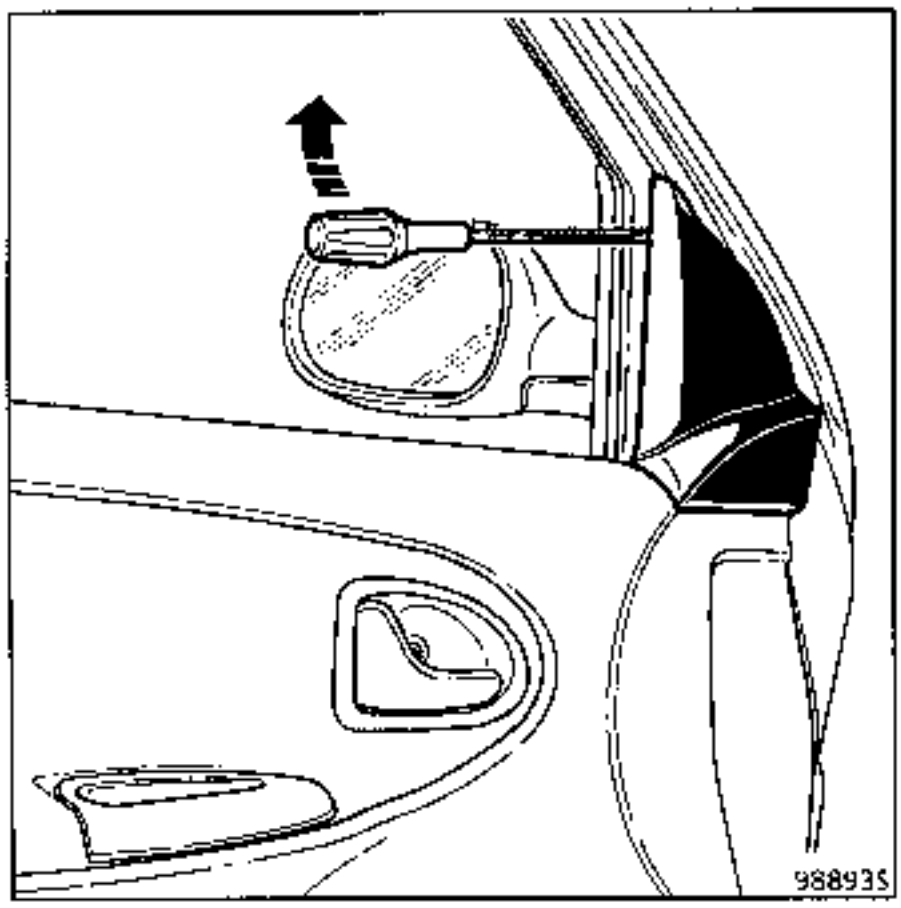
Insert the corner (1) without forcing it , noting how it fits from the outside of the vehicle and fit the vertical rear section (2).

Insert the front part of the weatherstrip (3) without folding it, along all its length.

Fit the remainder of the weatherstrip (4).

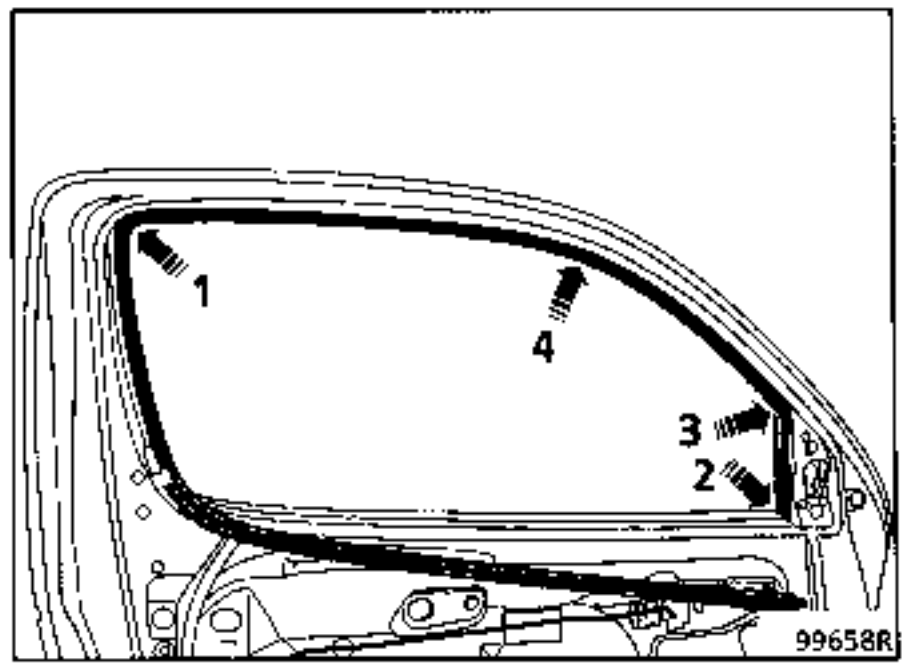


REMOVAL



Remove:
- the rear view mirror interior cover ,
- the front door trim panel (see 72A).

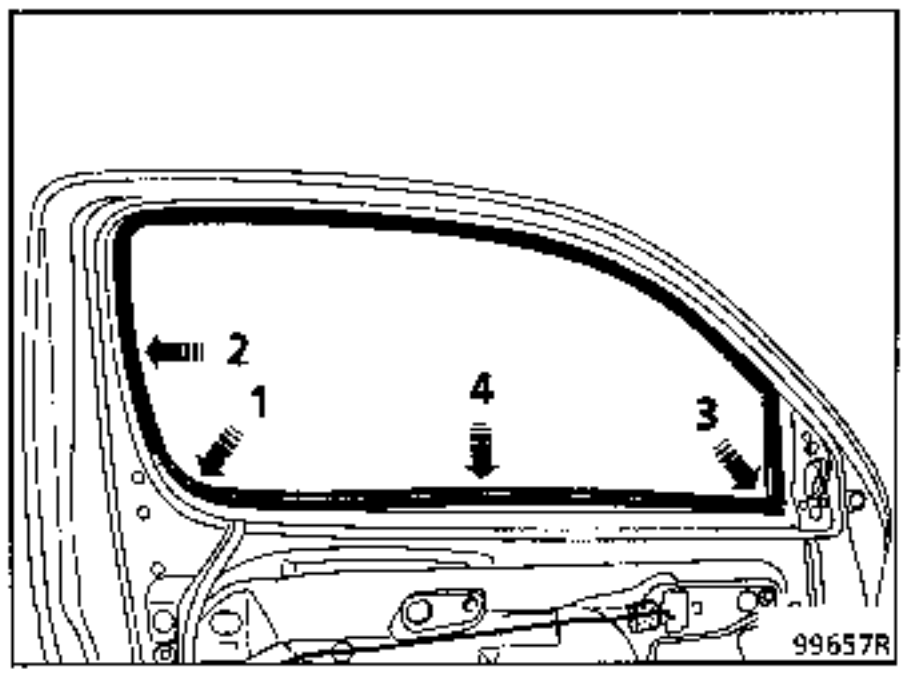
REFITTING



Position the guide and fit the moulded corner (1) without forcing it.

Fit the vertical front section at (2) and then at (3).

Fit the remaining upper section of the guide (4).

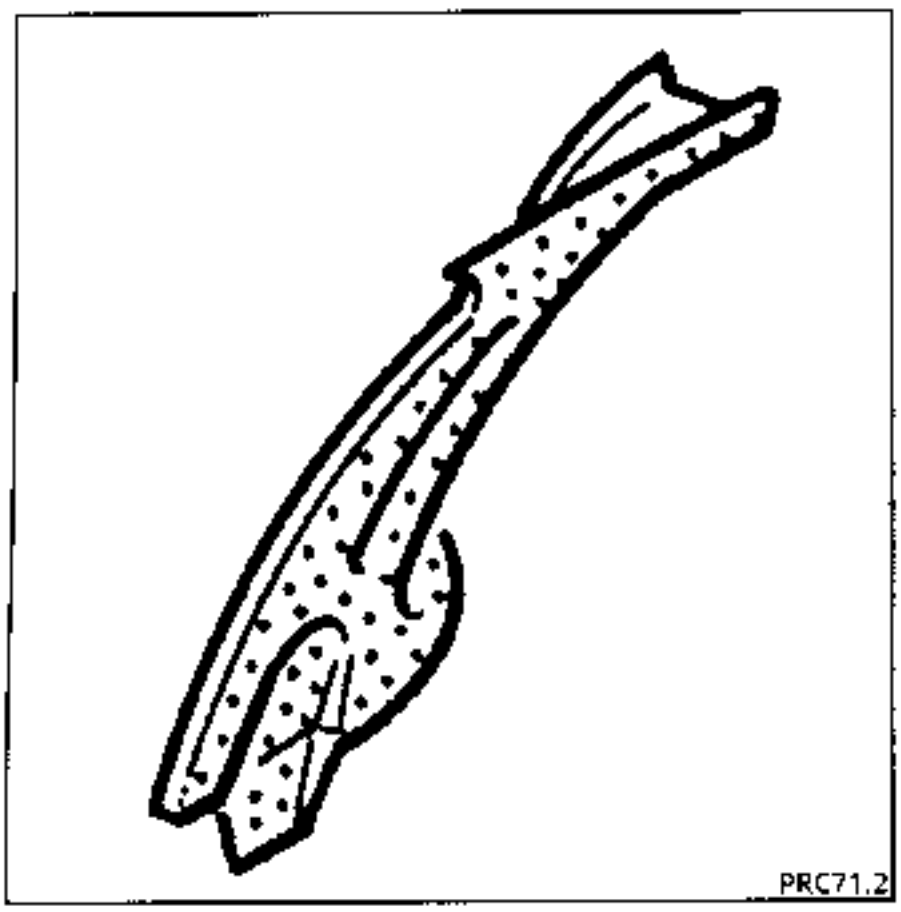


Insert corner (1).

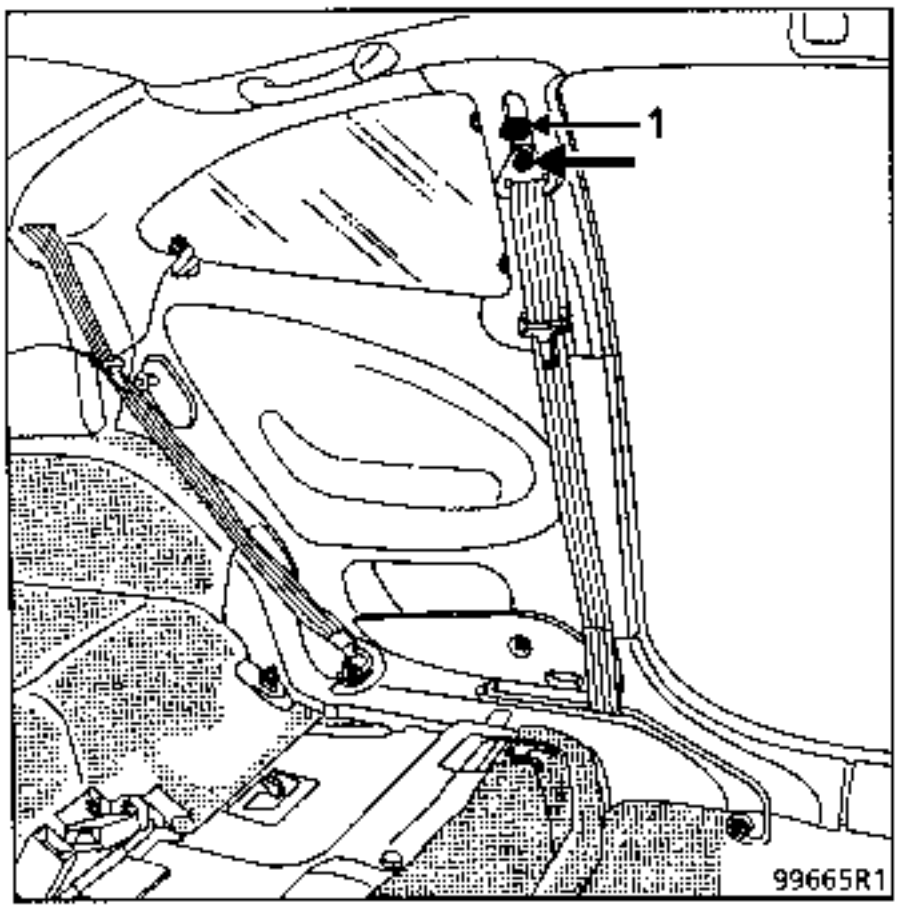
Fit the vertical section (2).

Insert the corner (3) to ensure a good joint with the vertical section. Bend the weatherstrip to do this, but do not fold it.

Press the weatherstrip sharply at (4).

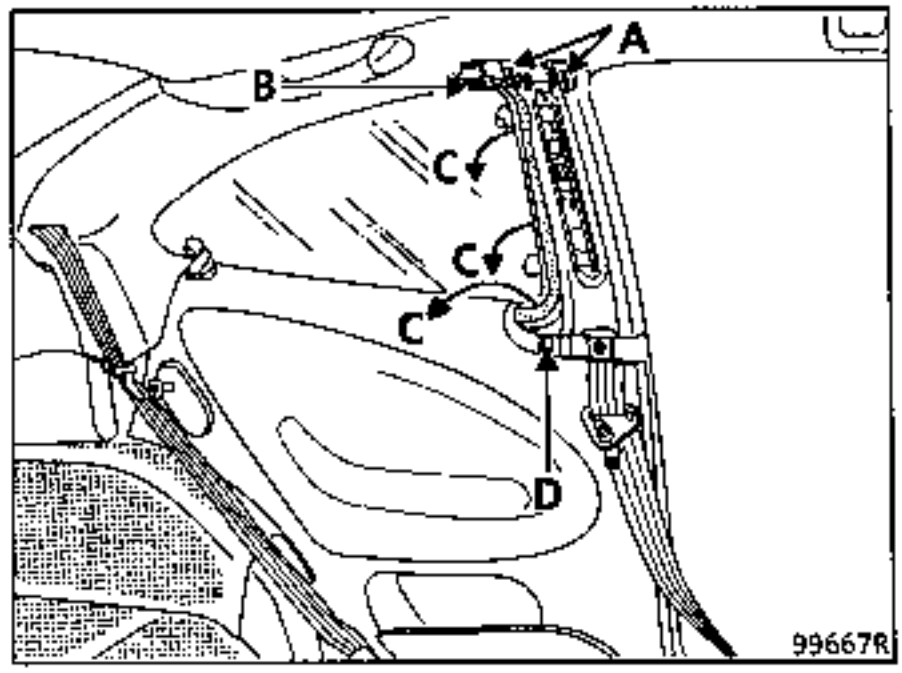


REMOVAL



Open the rear quarter panel window.

Remove:
- the upper seat belt mounting,
- the adjustment knob (1).



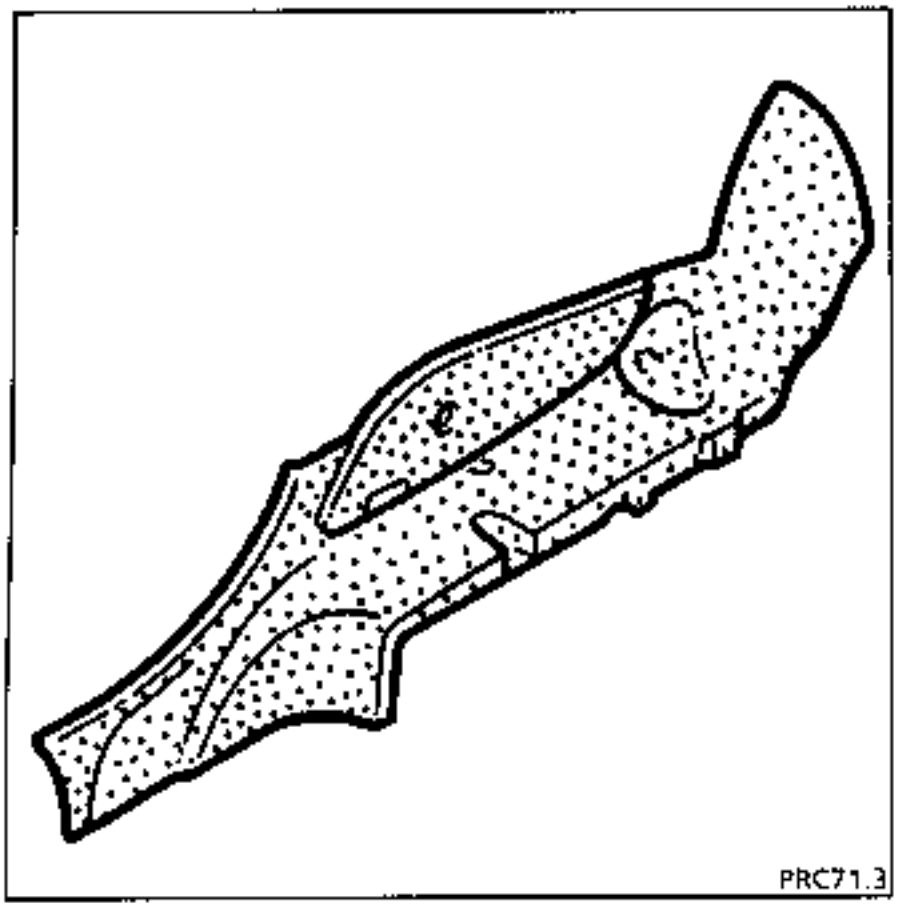
Unclip the trim at (A) and (B).

Pull the trim gently towards the rear of the vehicle to release the rear quarter panel edge seal (C).

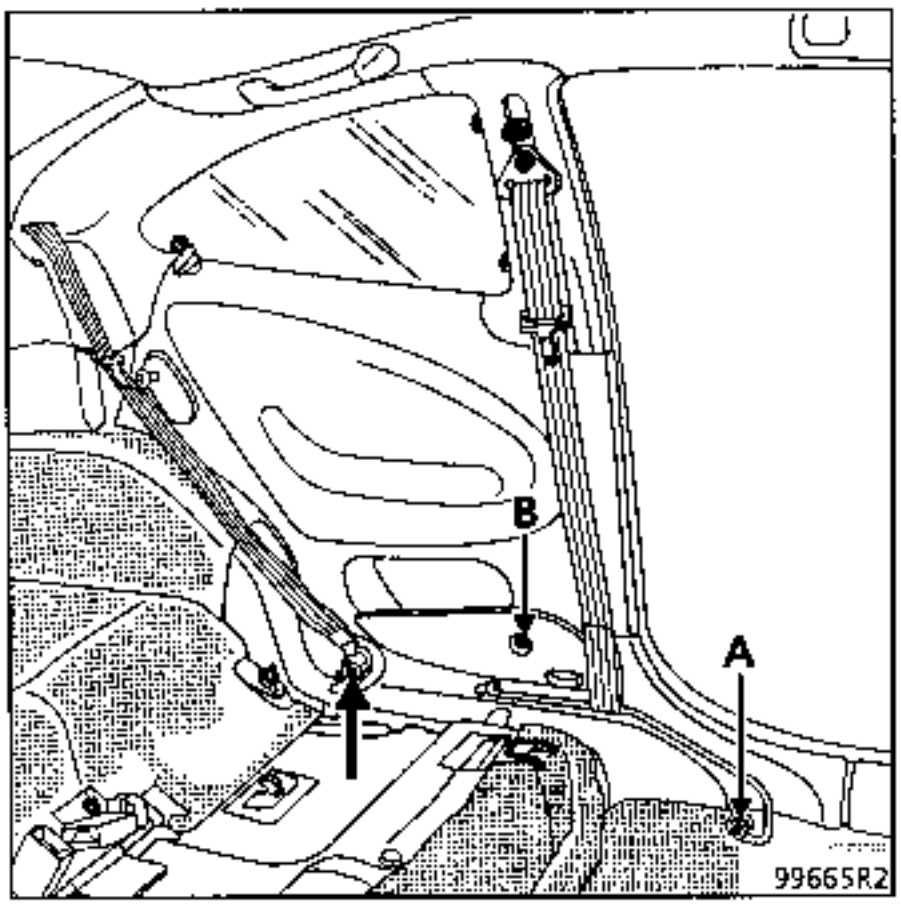
Unclip the trim at (D) and lift it to release it from its fitting around the front seat belt.

REFITTING

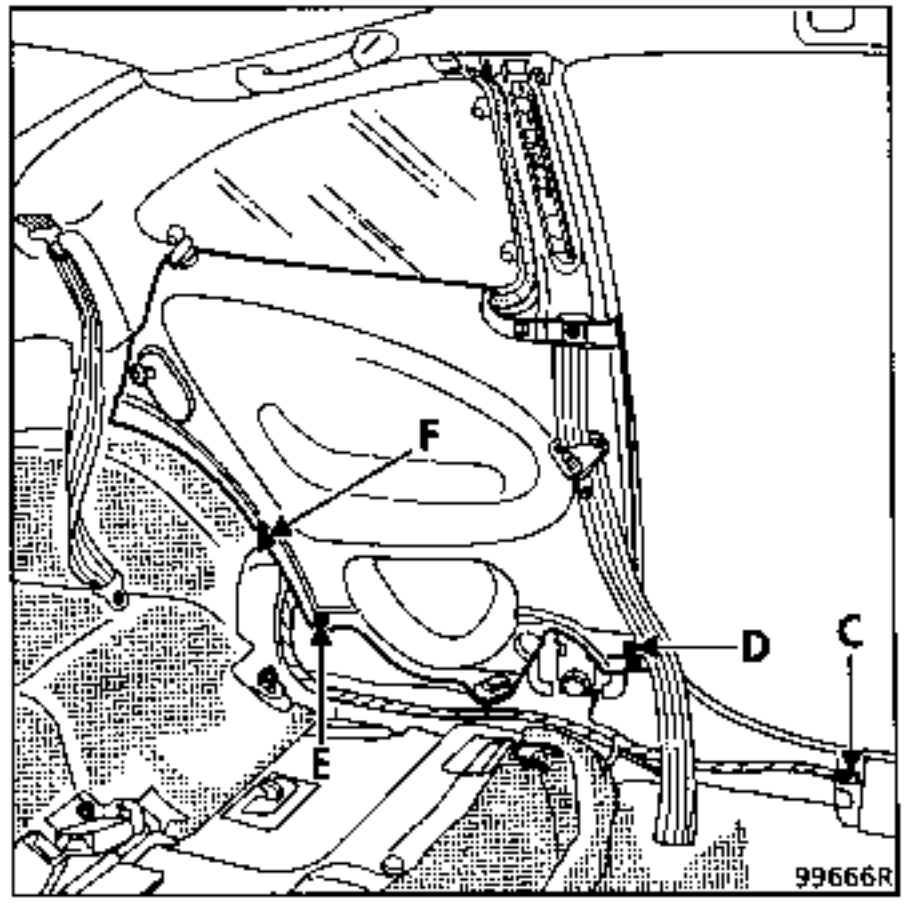
Observe the tightening torque of 2.5 daN.m for the front seat belt upper mounting nut.



REMOVAL



Remove:
- the rear seat belt lower mounting bolt,
- the front seat belt retaining rail (A) (see 59A),
- the mounting bolt (B).



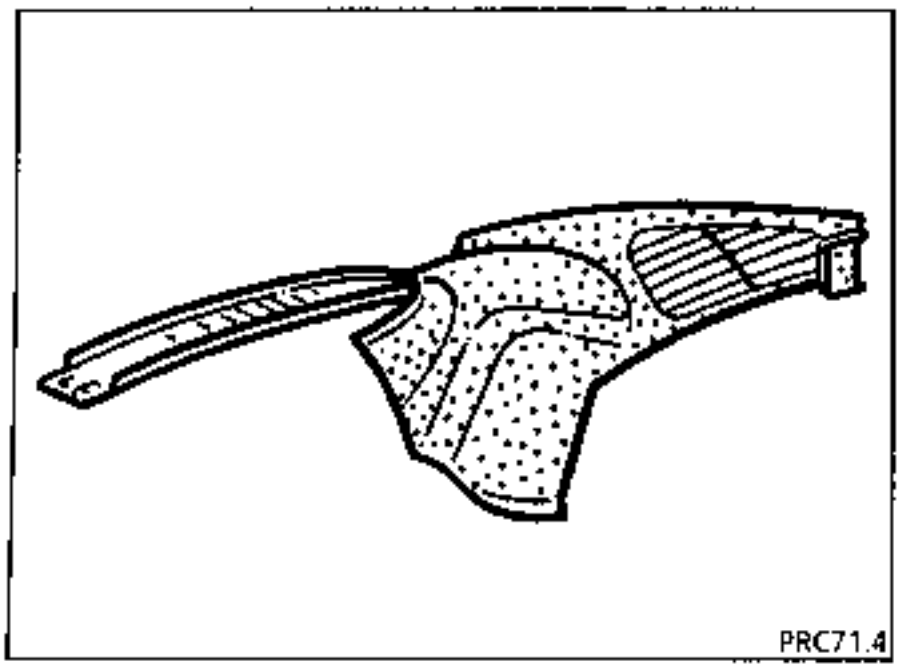
Unclip the trim at (C), (D) and (E).

Release the trim from the clip (F).

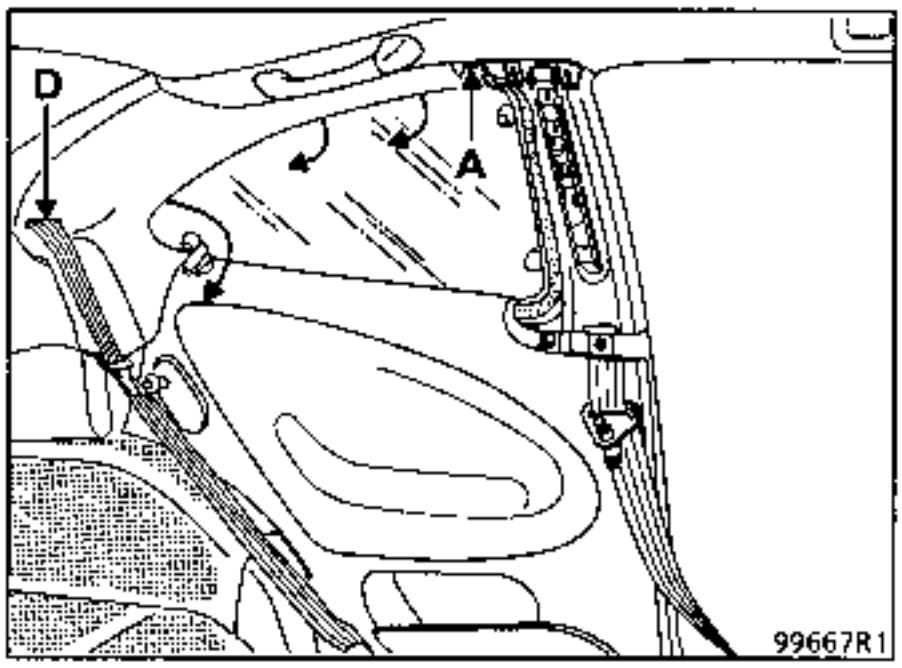
Check the locations of the clips (C), (D) and (E) and bracket (F) above.

REFITTING

Observe the tightening torque of 2.5 daN.m for the seat belt mounting nuts.



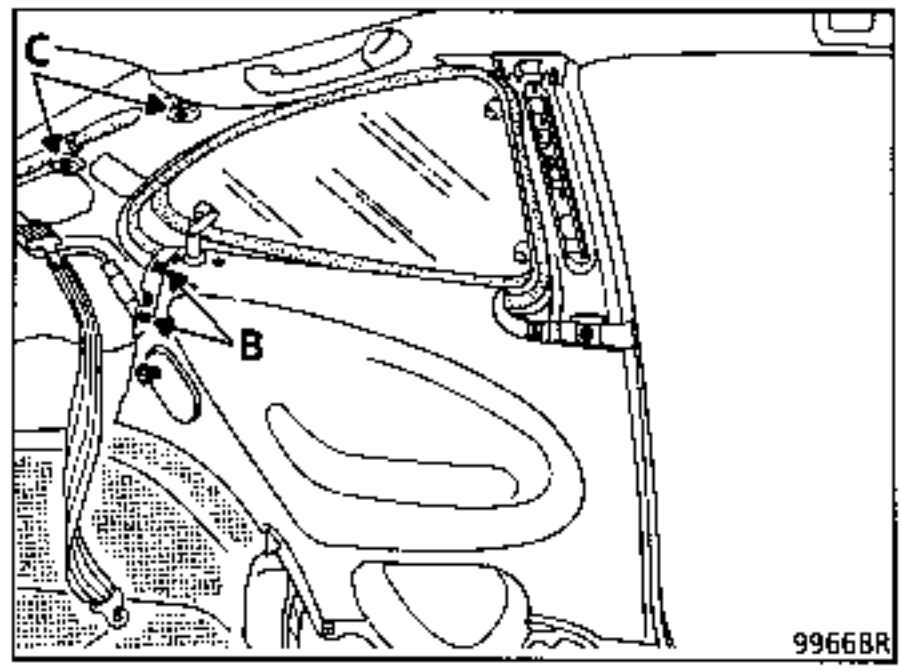
REMOVAL



Open the rear quarter panel window.

Remove:
- the upper centre pillar lining (see 71 A),
- the mounting bolt (A).

Pull the trim towards the inside of the vehicle to release it from the rear quarter panel surround seal.

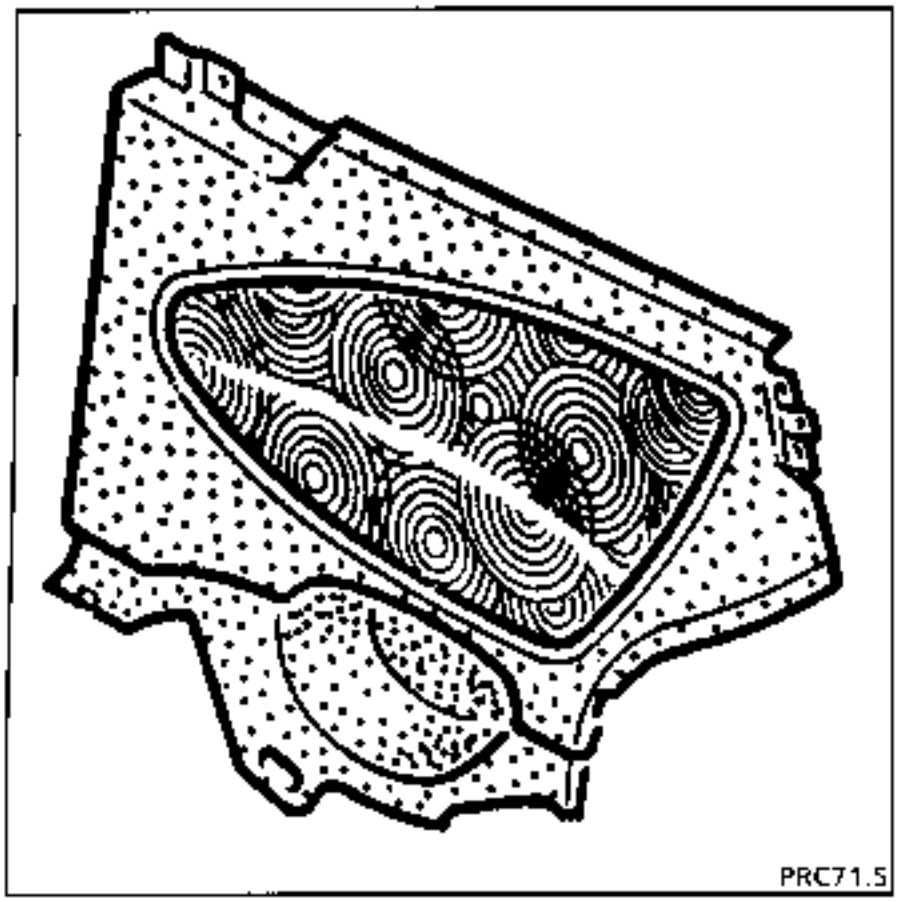


Unclip the trim at (B) and at (C).

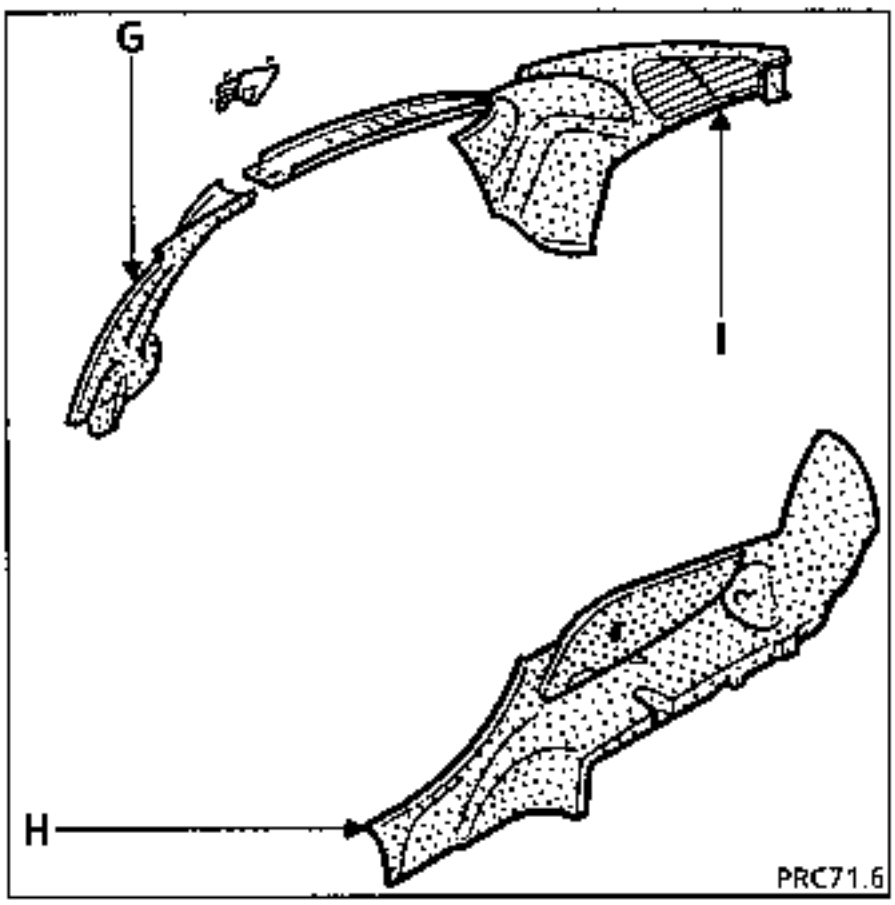
Disconnect the heated grid.

Release the trim from the lower corner of the rear screen by pulling it towards the front of the vehicle.

Unclip the cover for the rear seat belt inertia reel to release the trim from the seat belt strap (D).

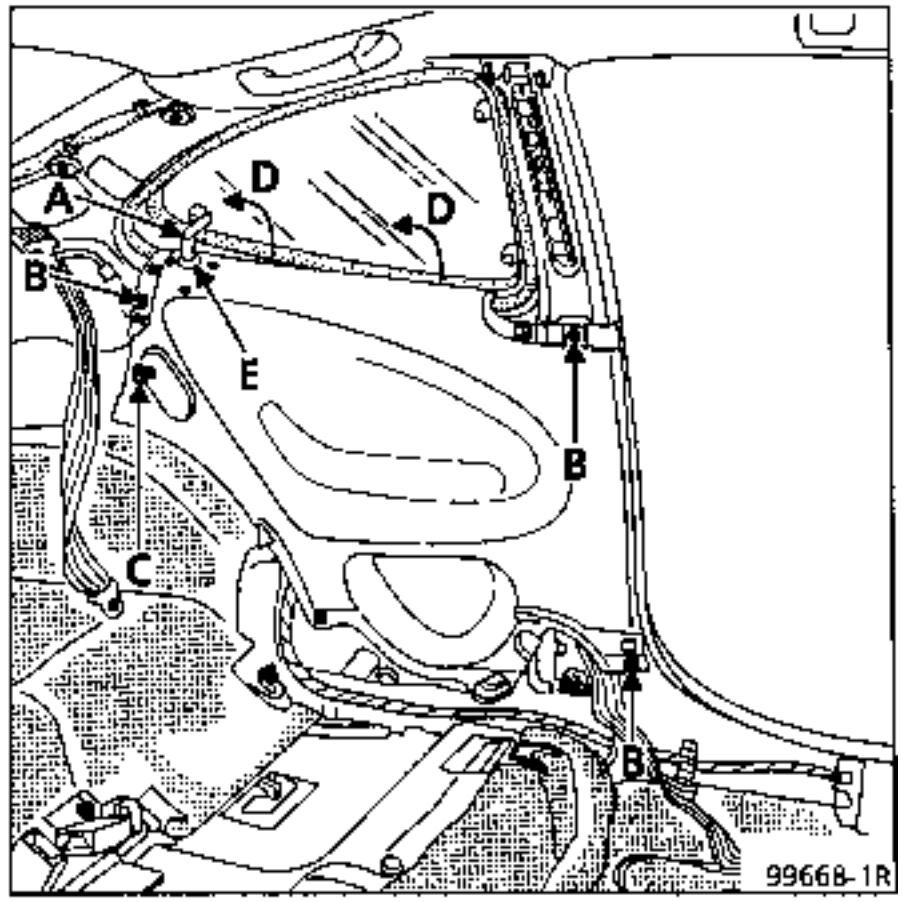


REMOVAL



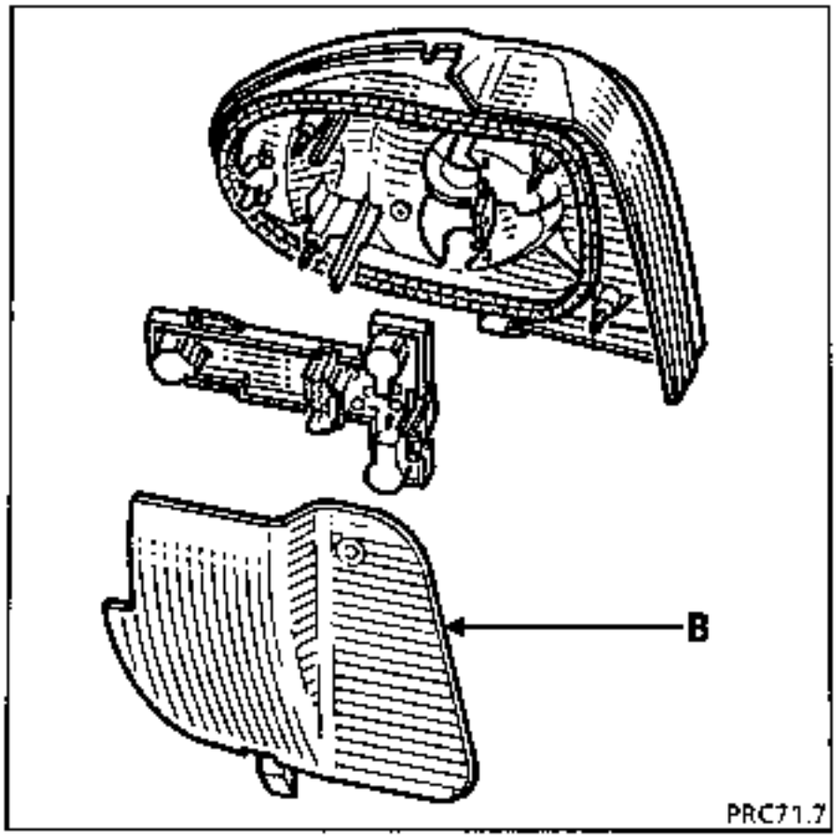
Open the rear quarter panel window.

Remove:
- the upper centre pillar lining (see 71 A) (G),
- the rear inner sill lining (see 71B) (H),
- the upper rear quarter panel lining (see 71C) (I).



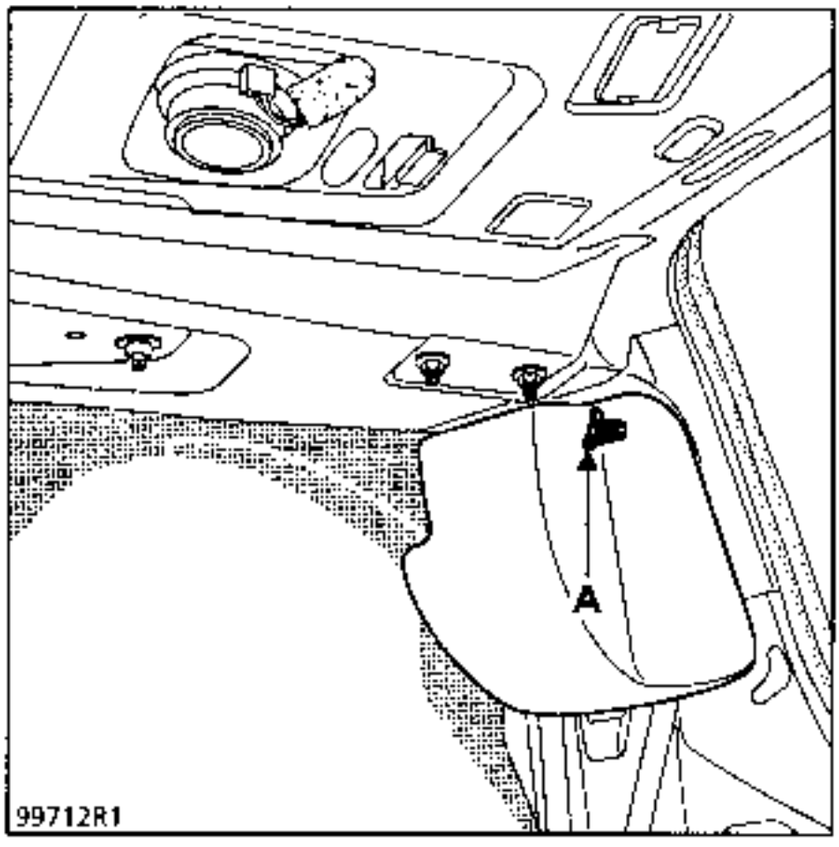
Remove:
- the mounting bolt (A) for the opening rear quarter panel window connecting bar,
- the three mounting bolts (B),
- the seat striker plate (C).

Release the trim from its position on the rear quarter panel window surround seal (D) and unclip cover (E).



Rear wing panel lining (B)

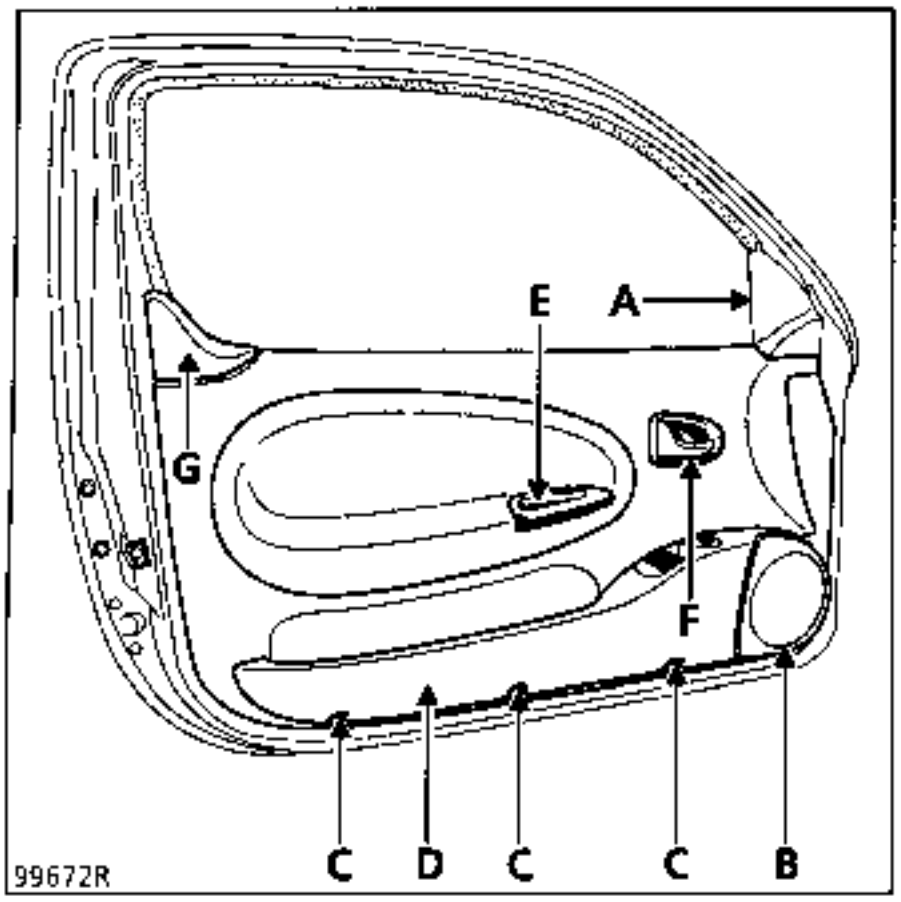
REMOVAL



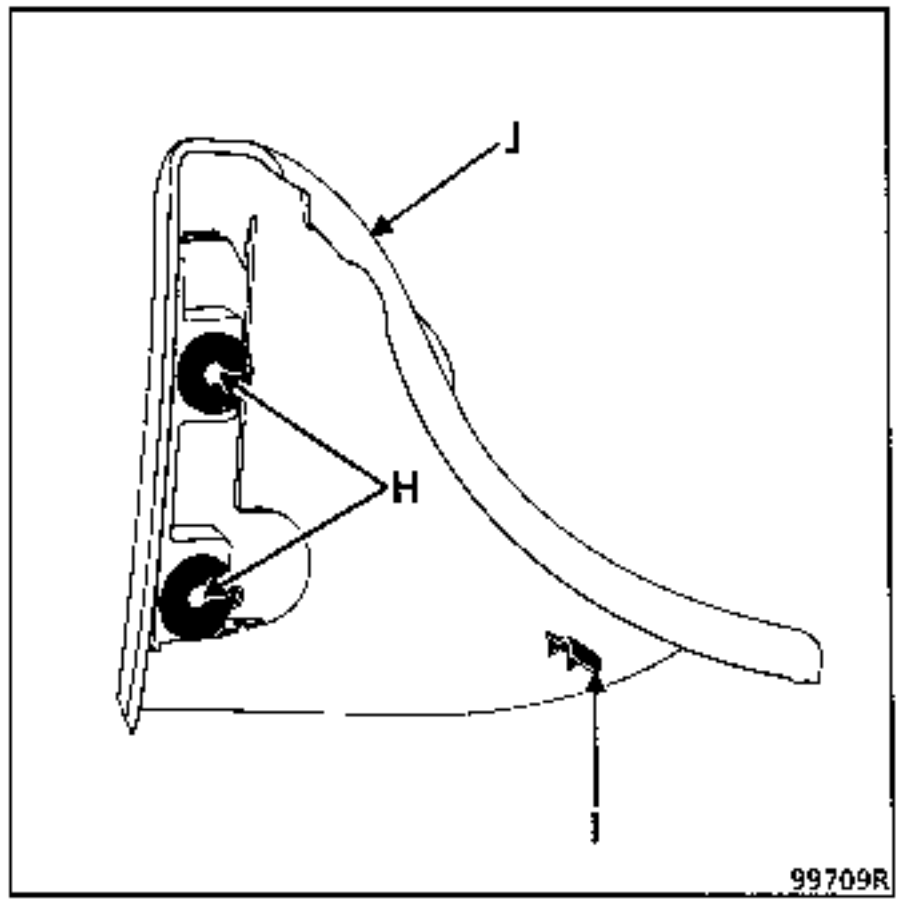
Remove tumblewheel (A).

Remove the lining.

REMOVAL



Remove:
- the rear view mirror mounting cover (A),
- the loudspeaker grille (B),
- the eight mounting bolts for the door tray from inside the loudspeaker location,
- the three mounting bolts at the bottom of the door tray (C),
- the door tray (D),
- the door closing handle (E),
- the door opening handle (F),
- the upper corner of the door trim panel (G).



To remove the upper corner (G), unclip at (H) using a tool of type FACOM D.115 or SODICAM unpicking pliers.

Release bracket (I) from its position on the door trim panel.

Release the trim from its position (J) in the inner door weatherstrip using the SODICAM unpicking pliers.

Unclip and release the door trim panel, working your way around the edge.

Use a cutting tool to cut the mastic.

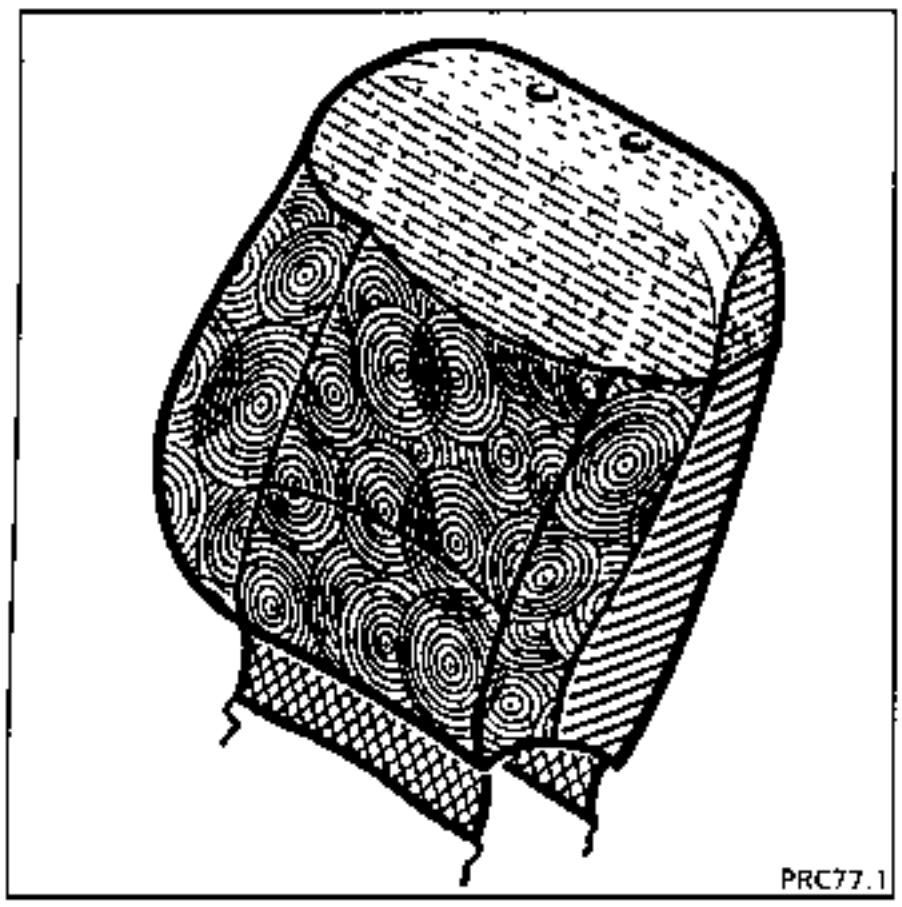
Remove the trim from the inner front door weatherstrip.

Release the "door tray controls" wire guide and remove the door trim panel.

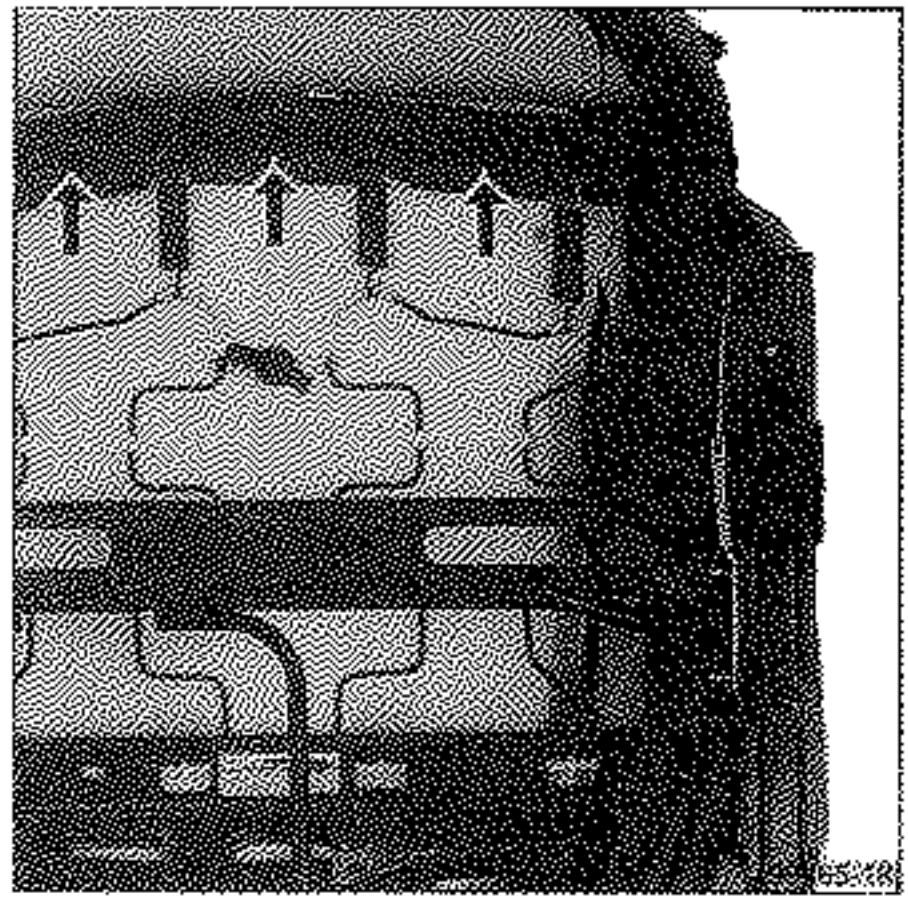
Ensure no adhesive foam for the rear view mirror wiring comes into contact with the location where the door trim is fitted.

When removing or replacing the panel, preformed sealing mastic MUST be used (Part Number : 77 01 423 330).

When replacing a door, we RECOMMEND that the door kit be used, which includes all the door mountings required for fitting trim to a new door.

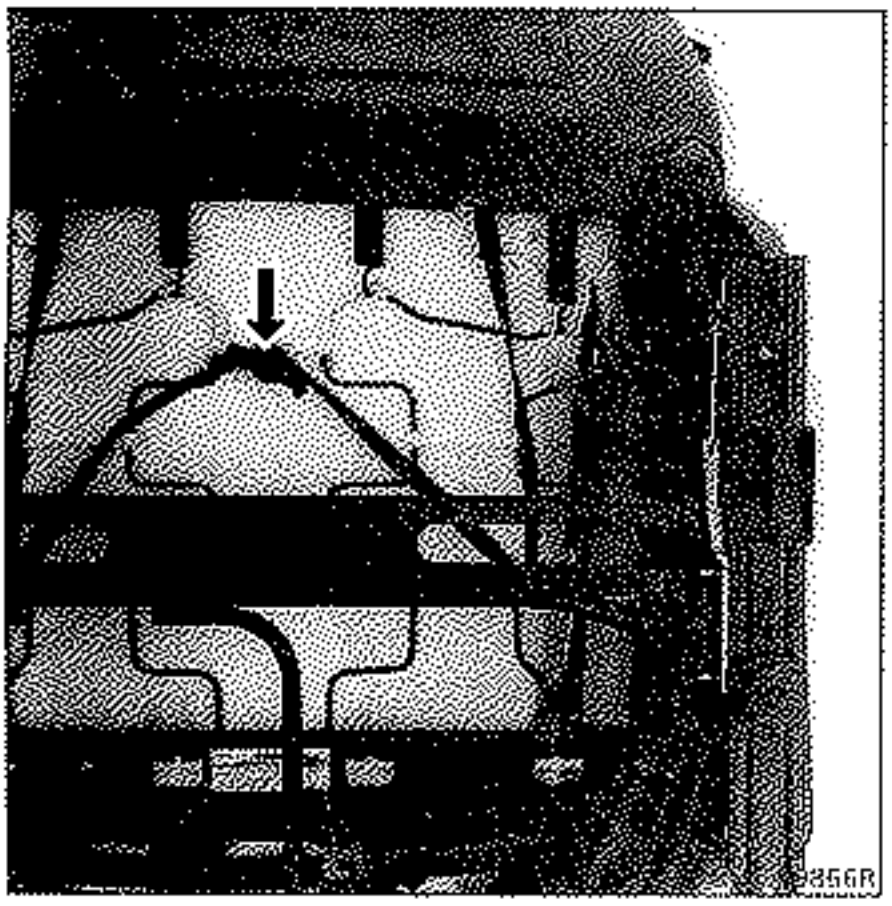


After removing the seat and head restraint.

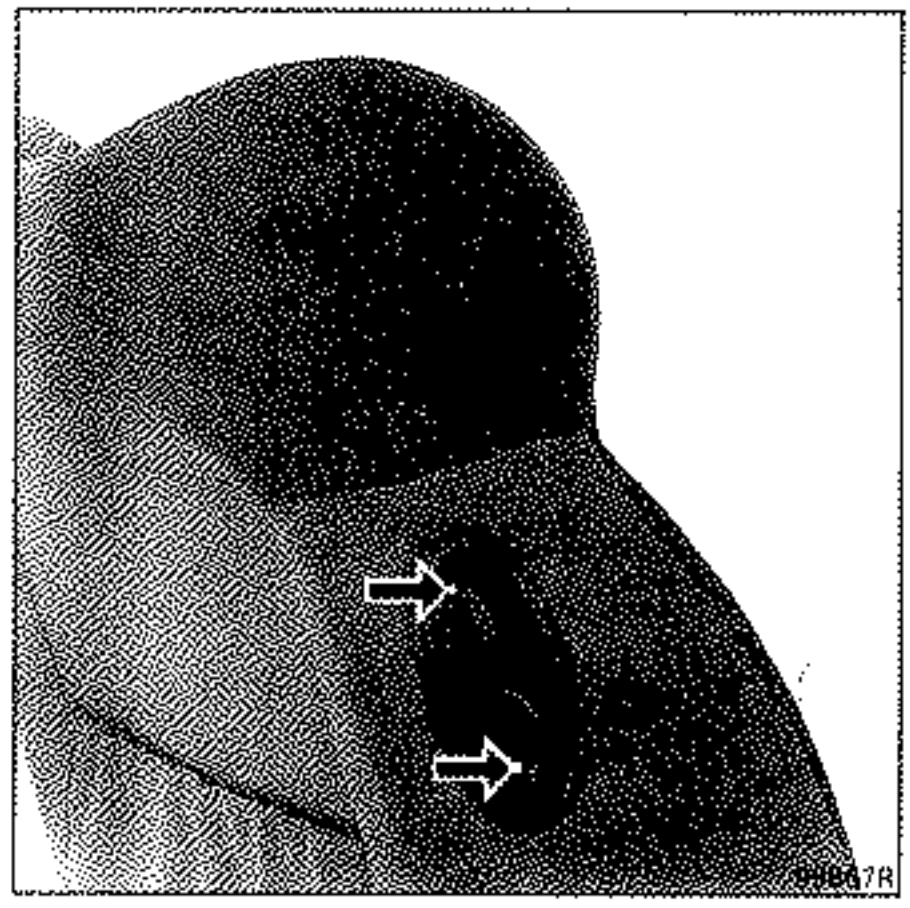


Remove the three bolts.

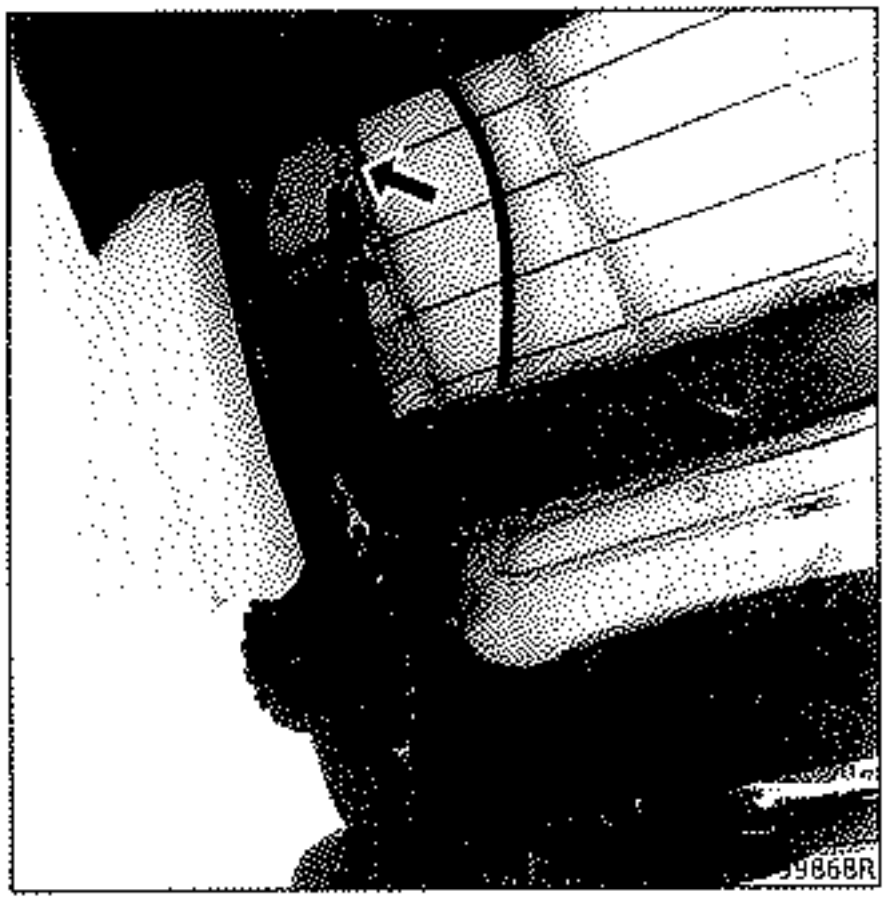
REMOVAL



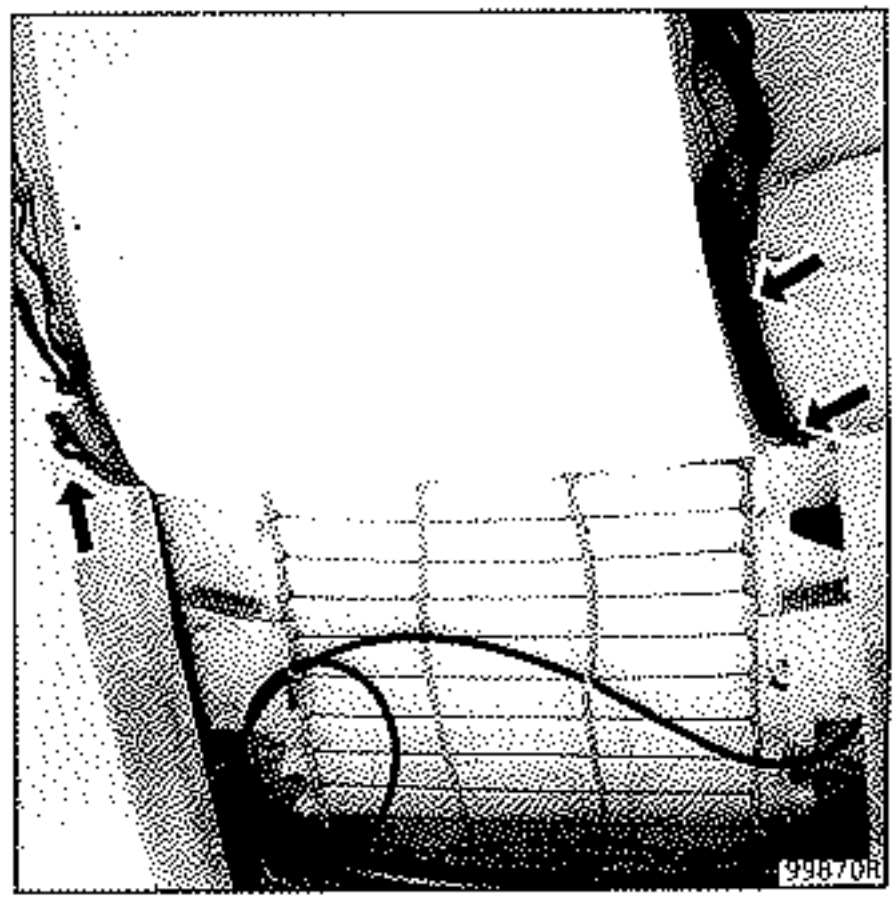
Remove the elastic.



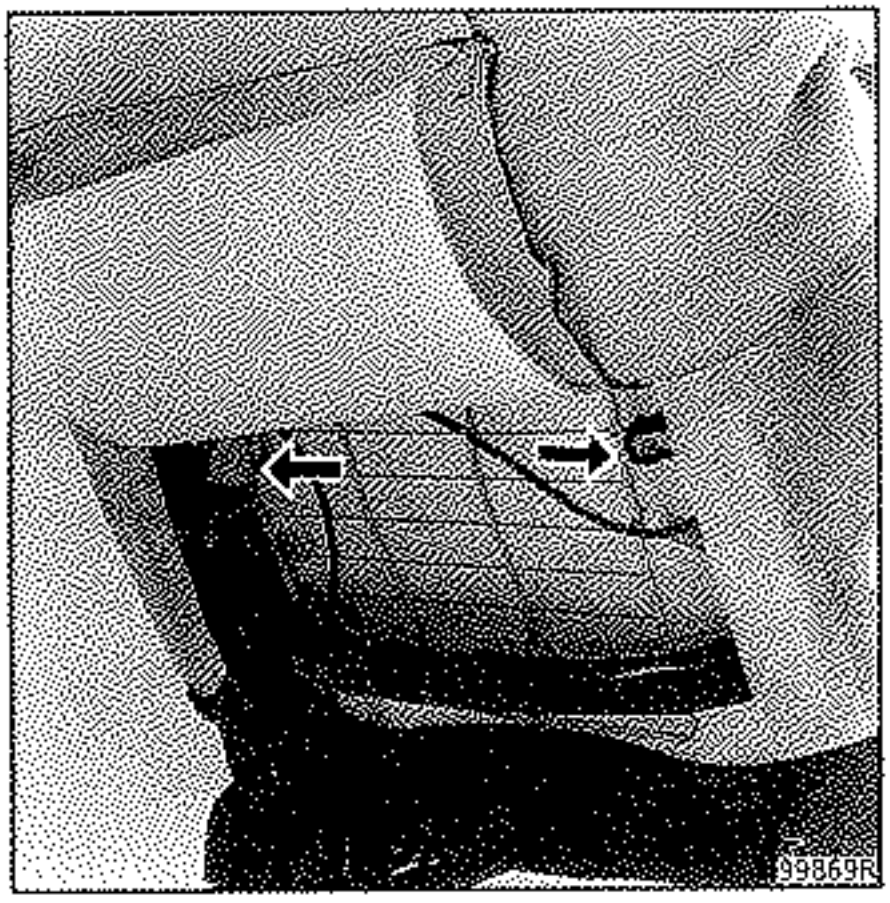
Remove:
- the seatback angle handle,
- the cover (two bolts).

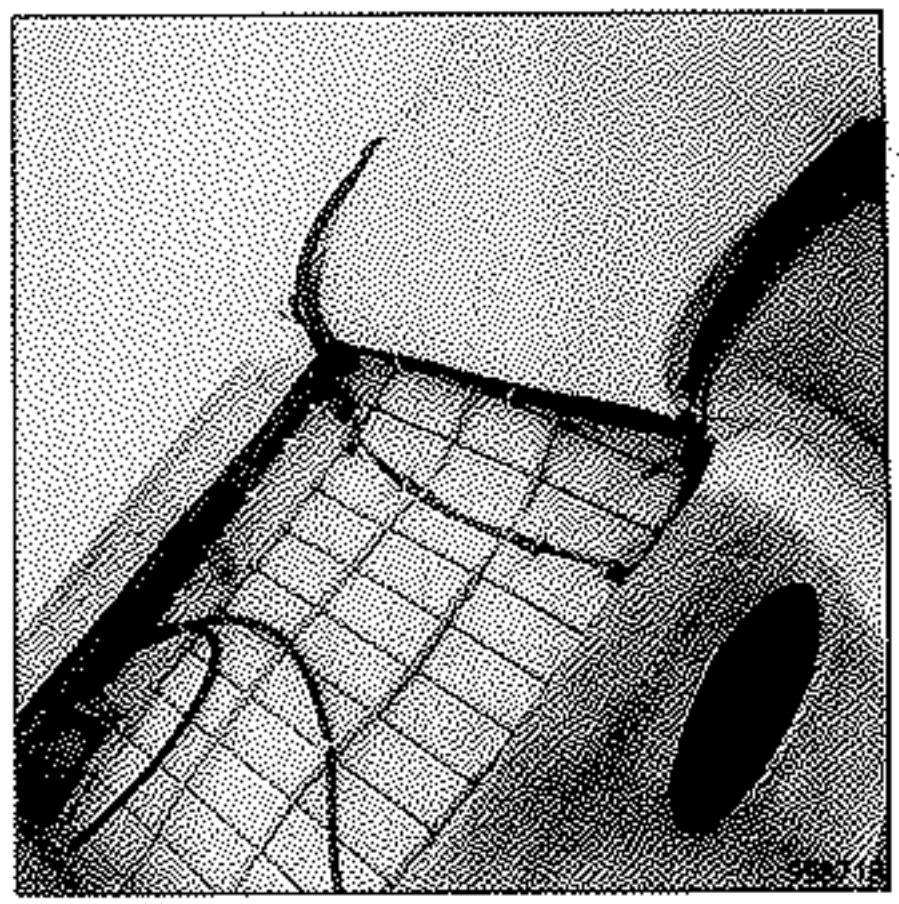


Cut the clips which retain the straps as you remove the trim.

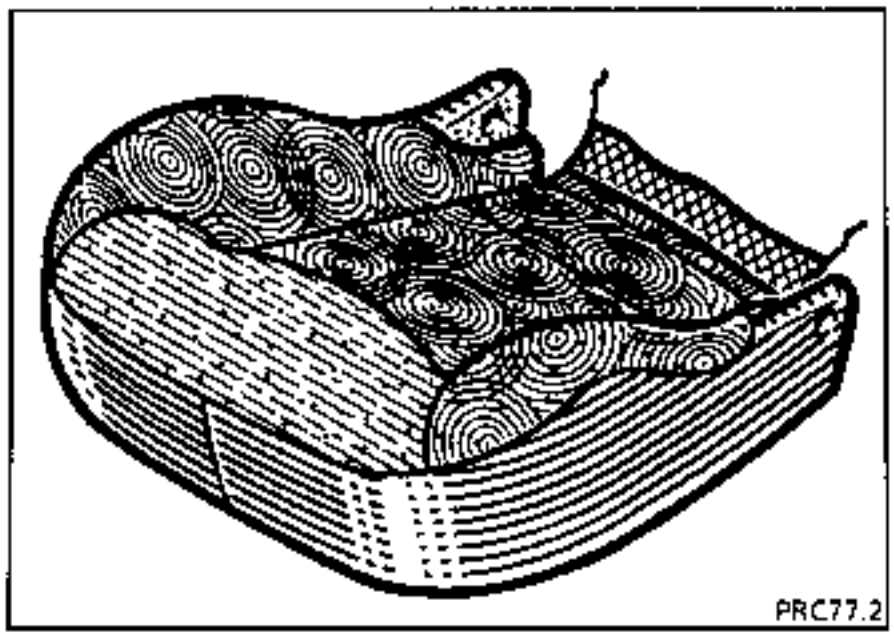


Cut the side clips.



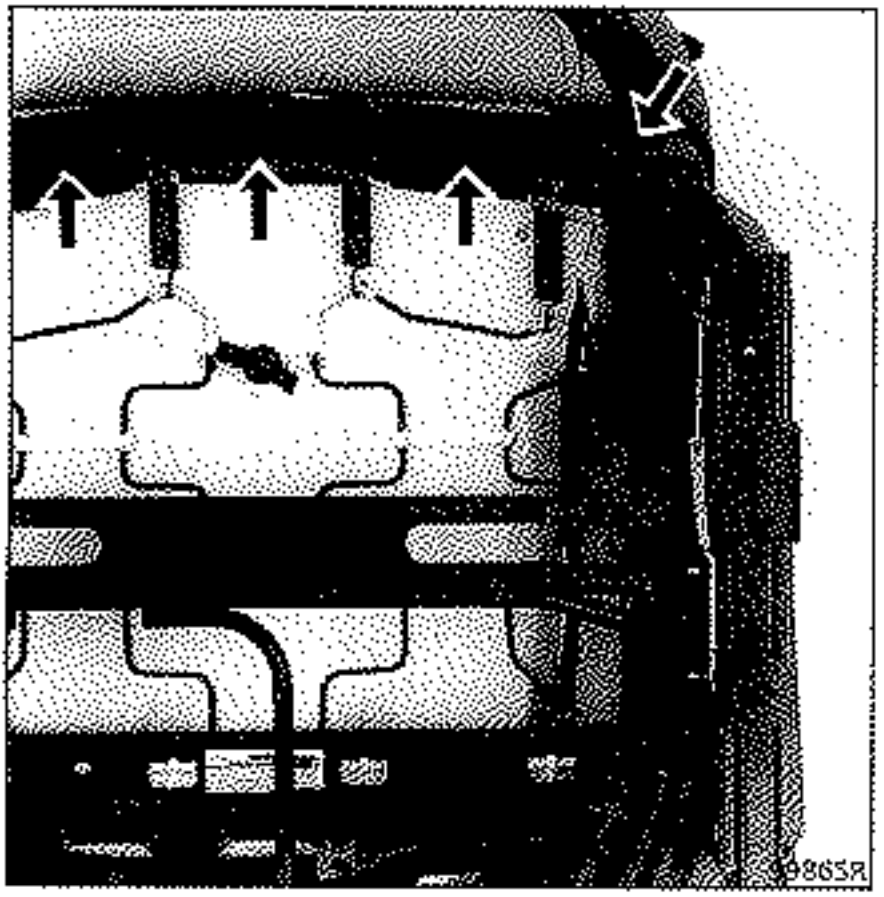


Cut the final clips and remove the trim.

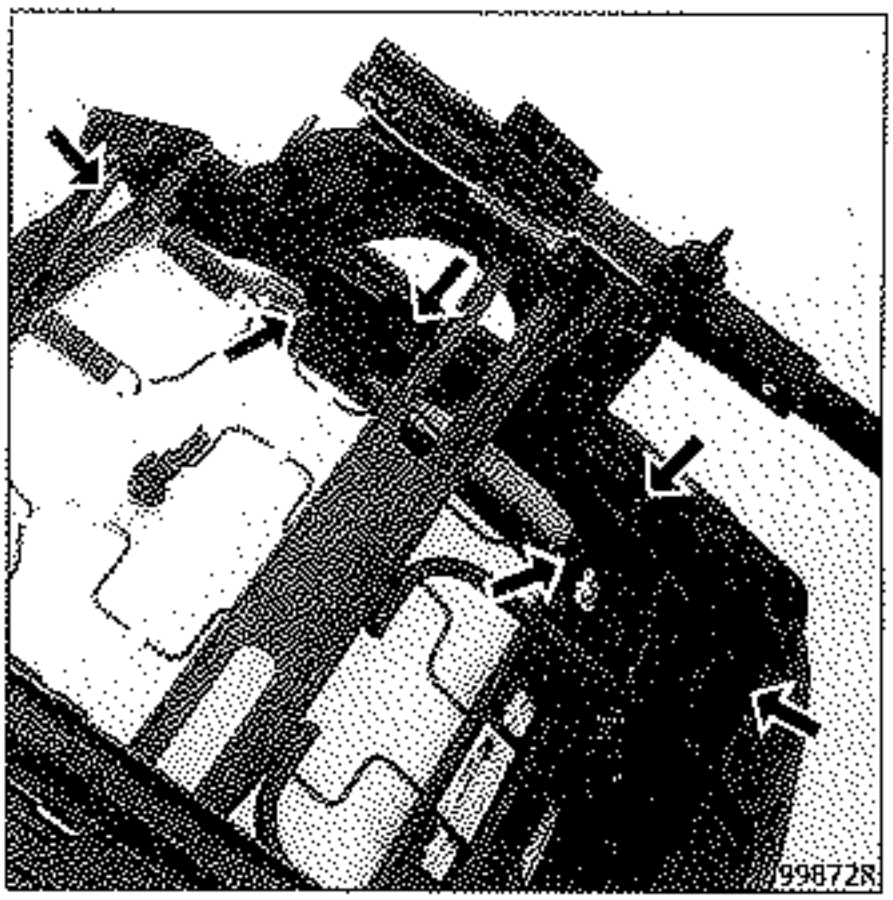


After removing the seat and the runner housings.

REMOVAL

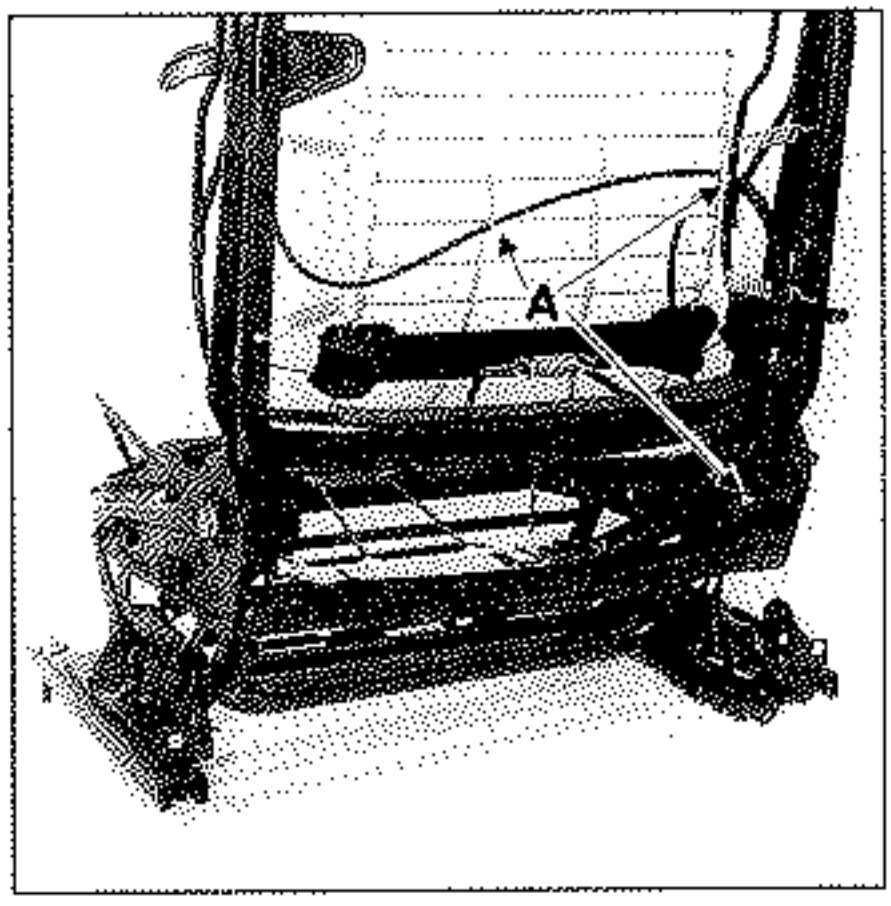


Remove the three bolts and the metal side clips.



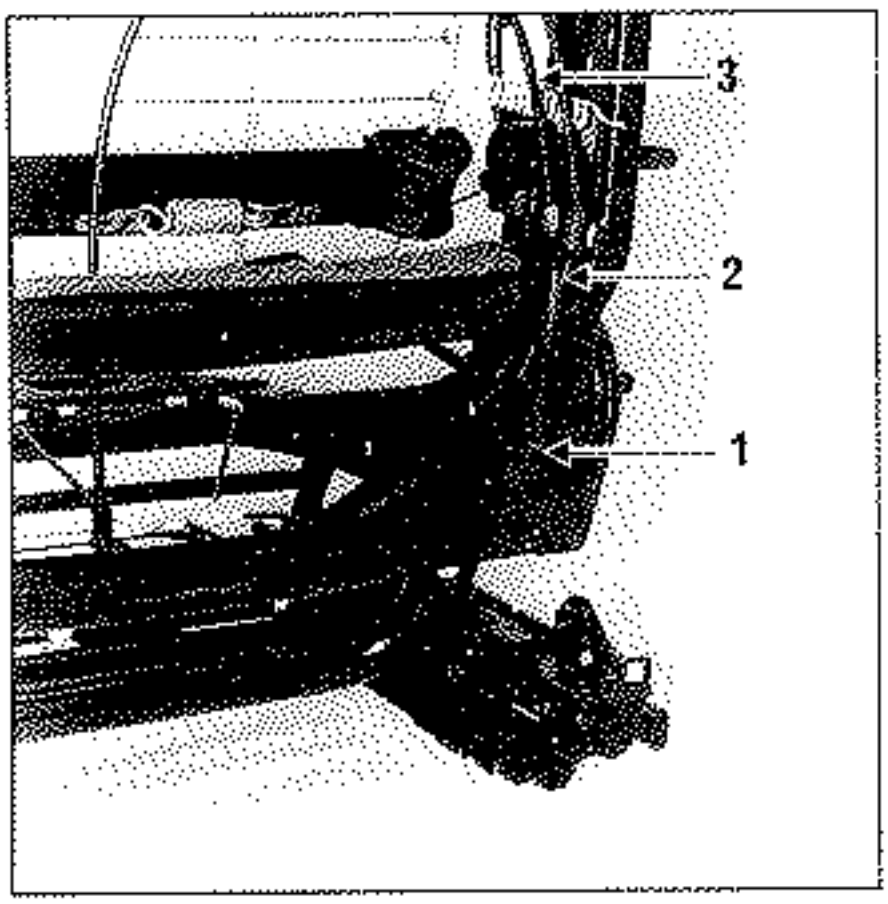
Unclip the edge of the trim.

Cut the clips on the left and right hand sides.

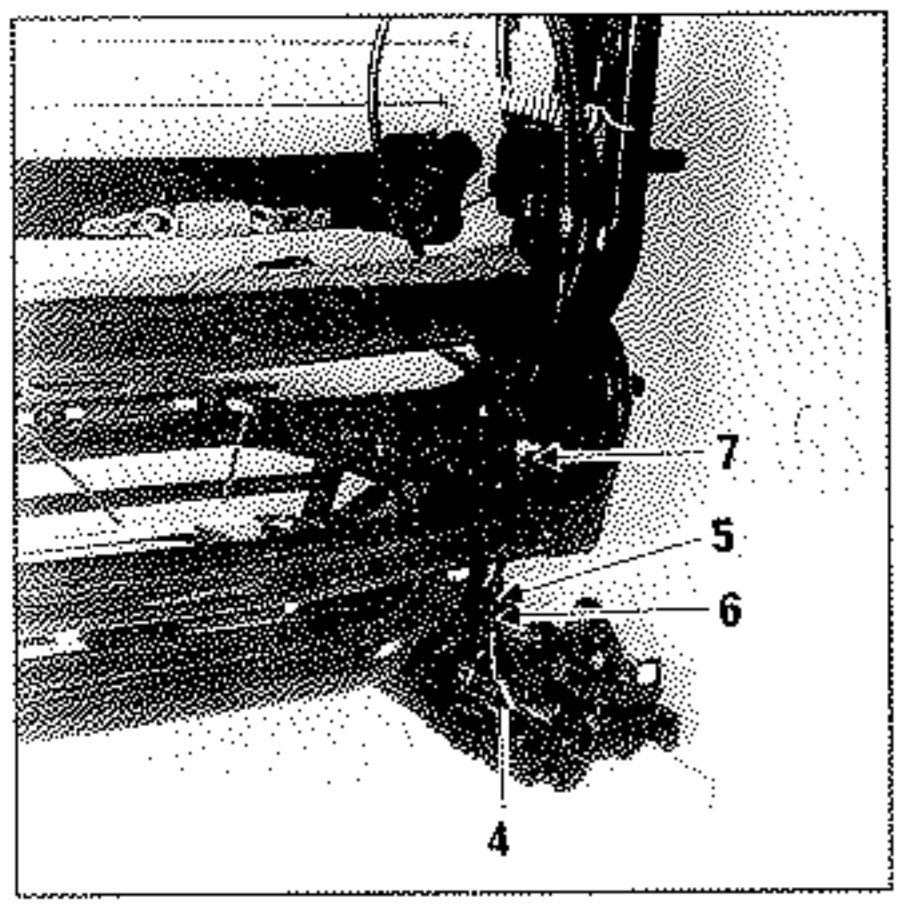


IMPORTANT: the routings of the release cables and the position of the retaining clips (A) must be observed.

REPLACING THE RUNNER RELEASE CABLE

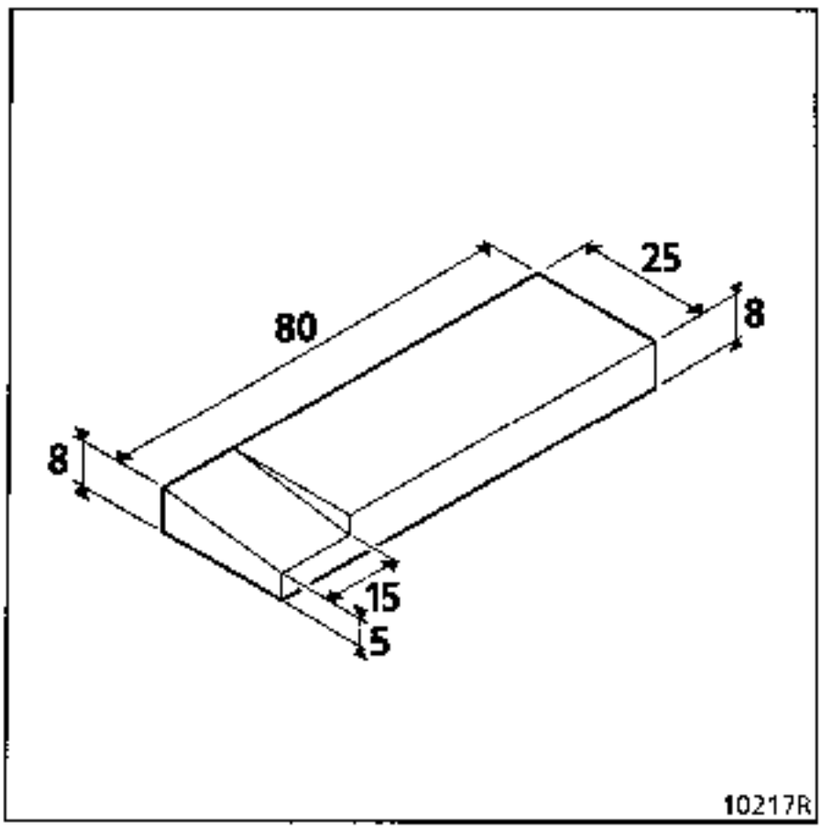


1 Fit the cable ring to the intermediate bracket
2 Fit the cable sleeve stop to the seatback bracket
3 Fit the cable, ensuring the routing is correct

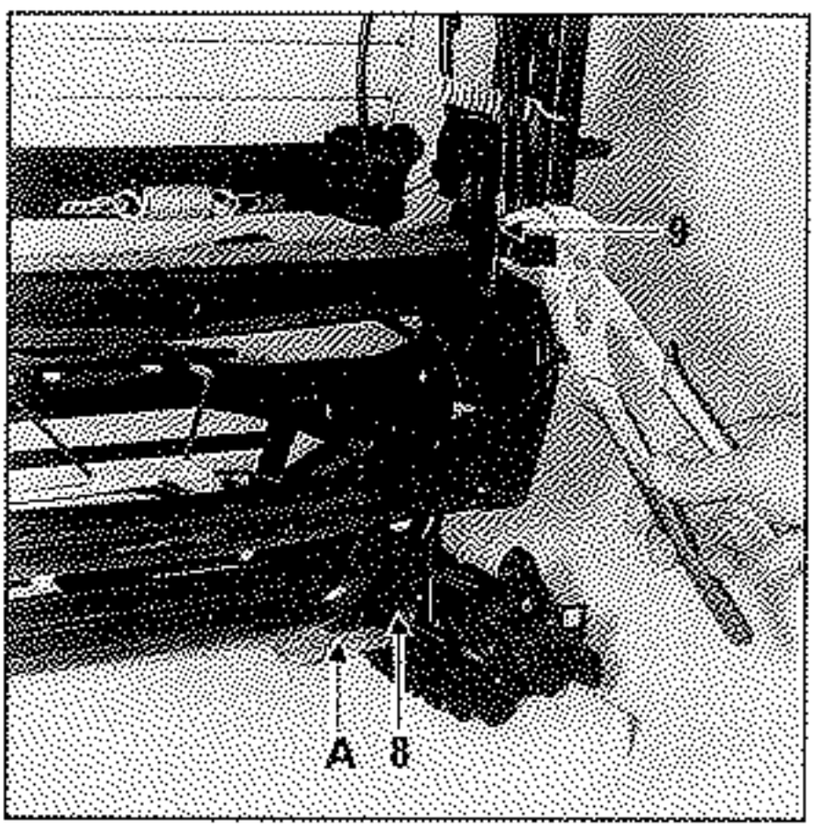


4 Fit the bayonet into the hole in the memory lever
5 Fit the cable sleeve stop to the memory mounting
6 Position the retaining clip
7 Fit the "Colson" clips

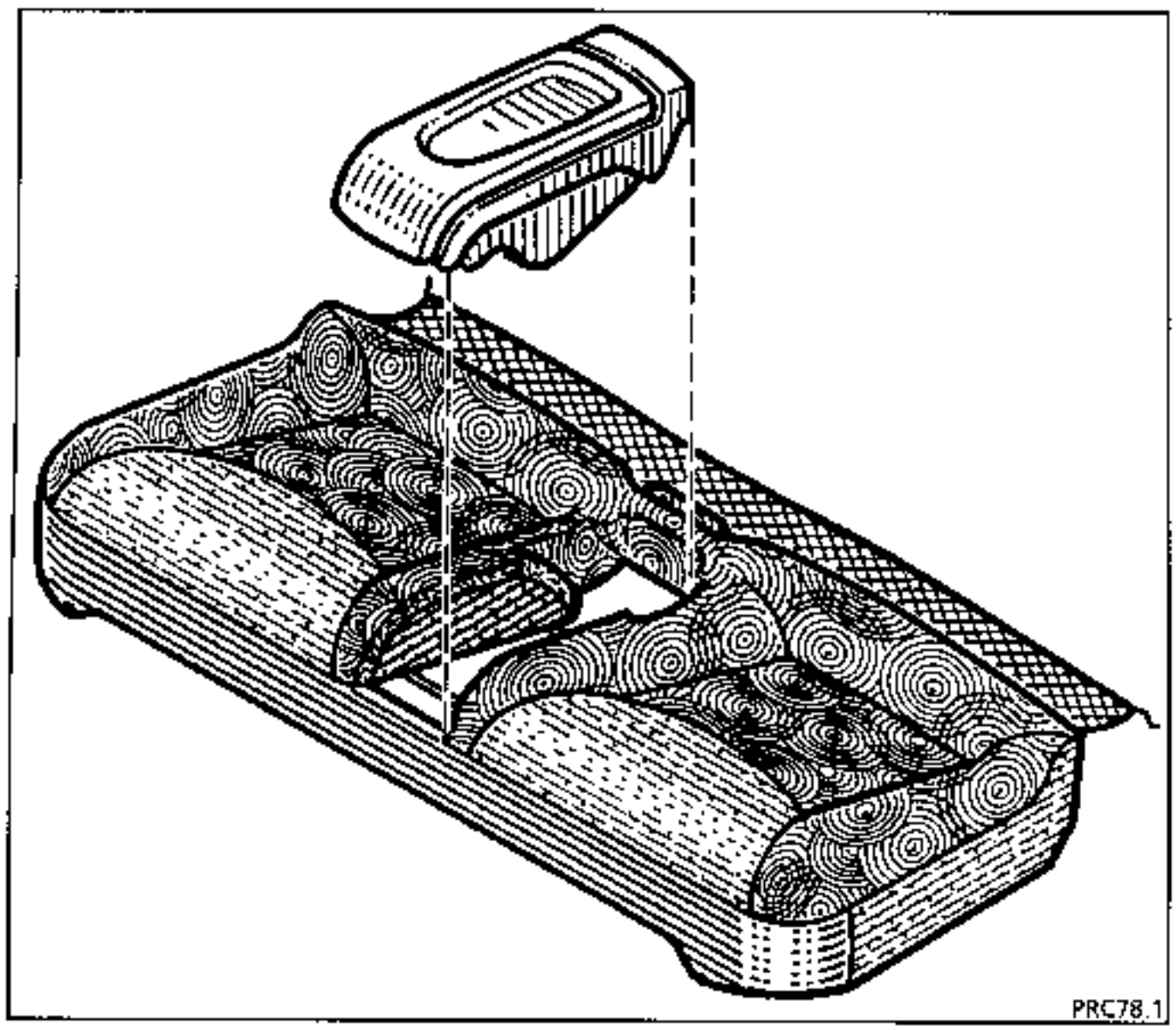
ADJUSTING THE CABLE



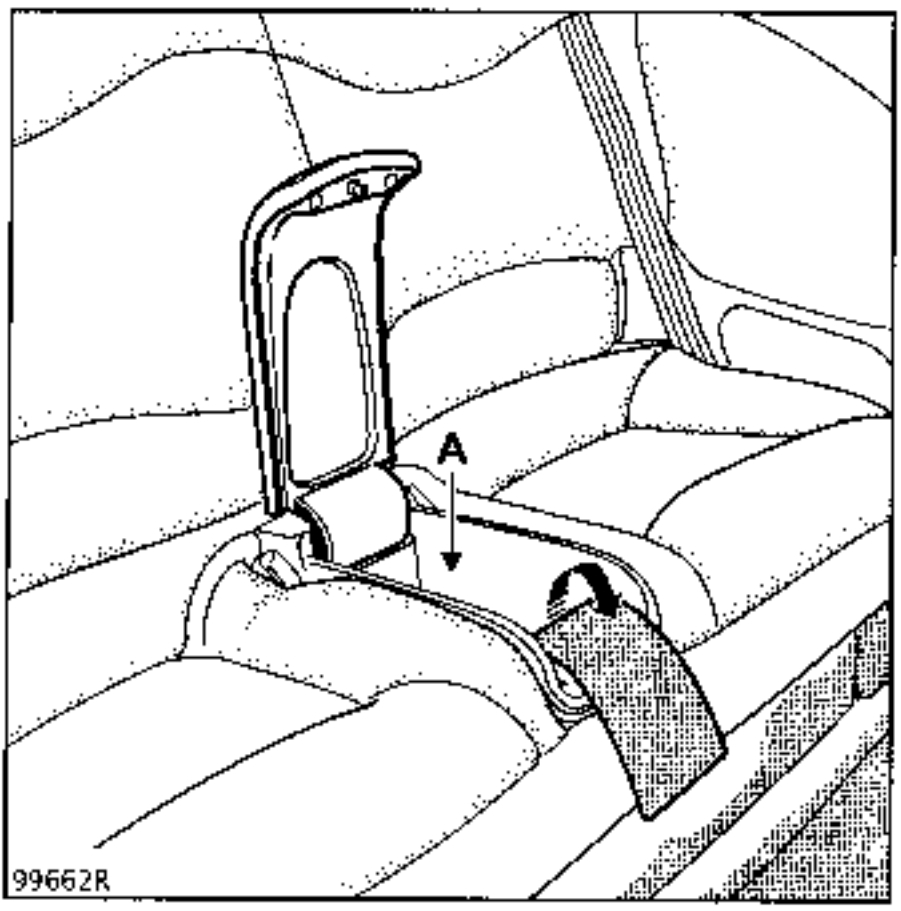
Use a locally made shim.



8 Fit shim (A) under the memory lever in the low position
9 Adjust the "Giffax" washers to obtain play of approximately 1mm in the cable for the memory lever.

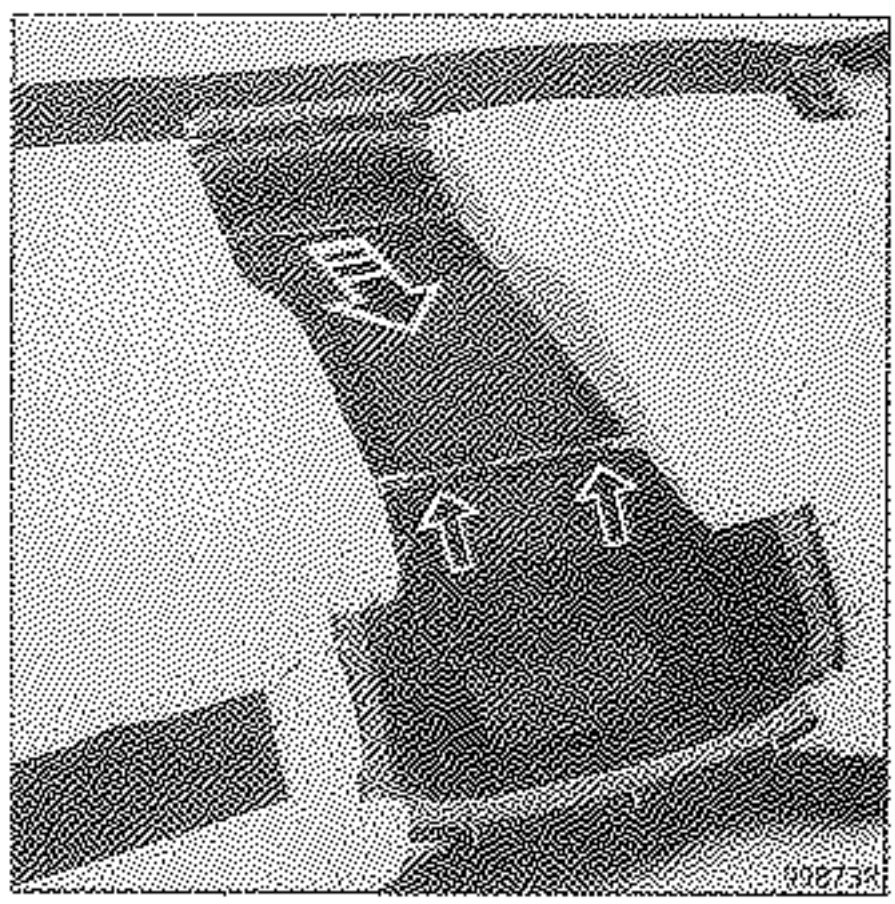


DEPOSE



Under the carpet in the central seat tray, remove the two nuts (A).

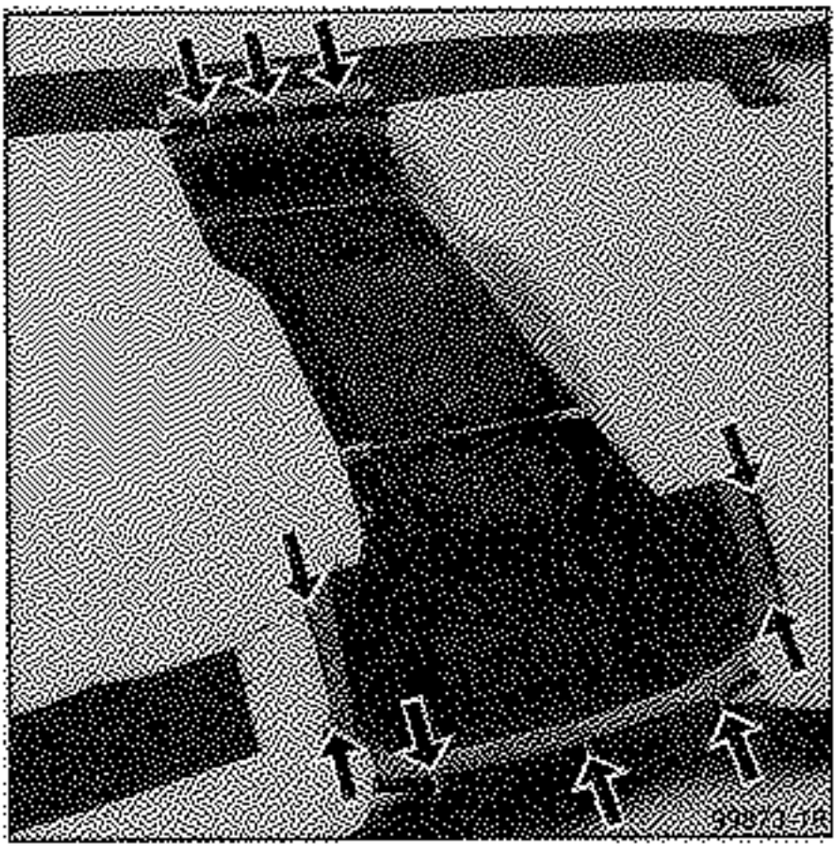
Remove the rear bench seat.



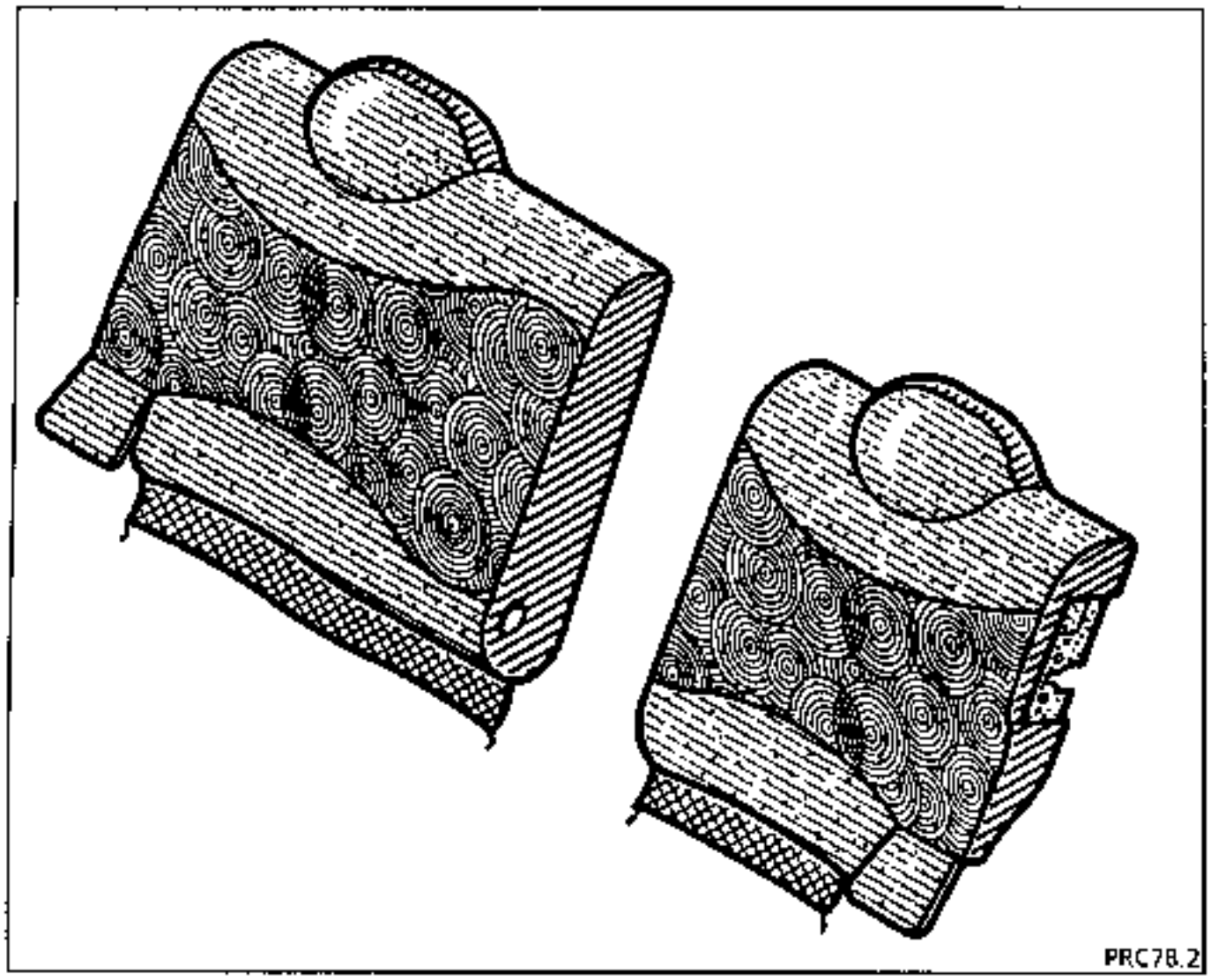
REMOVING THE CENTRE ARM REST.

Unclip the two clips and slide as shown by the arrow to release the part.

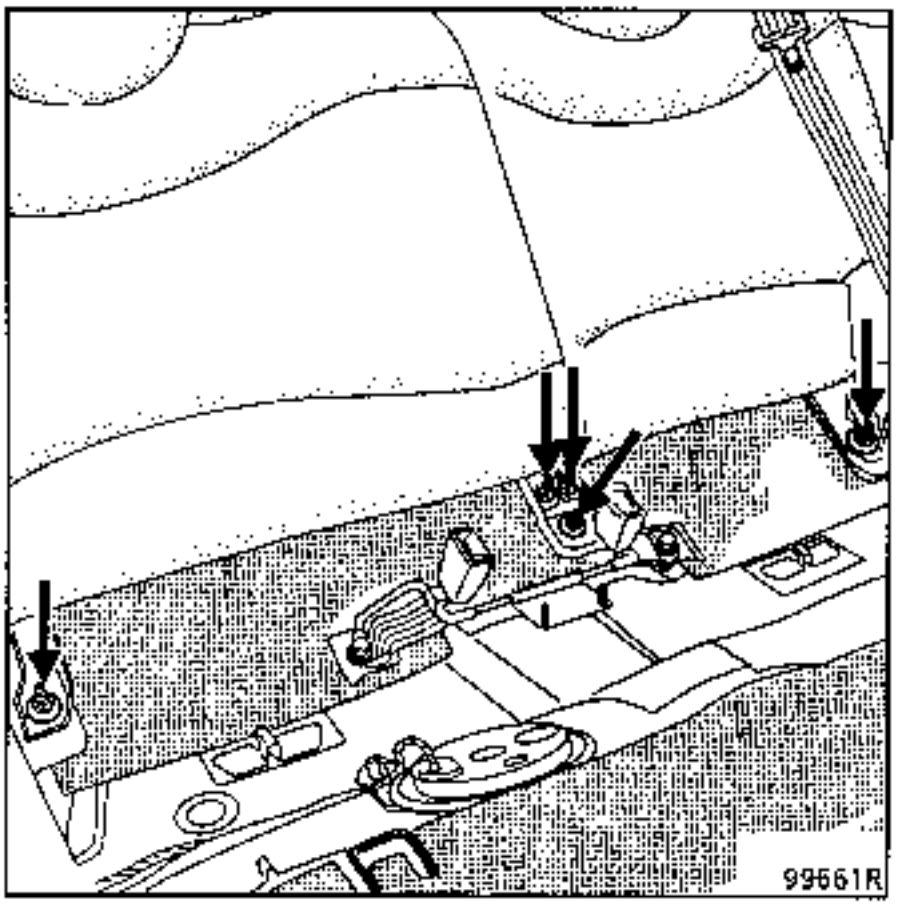
Move the plastic plates through the foam and cut the clips at the edge.



Cut the clips around the edge of the centre arm rest.

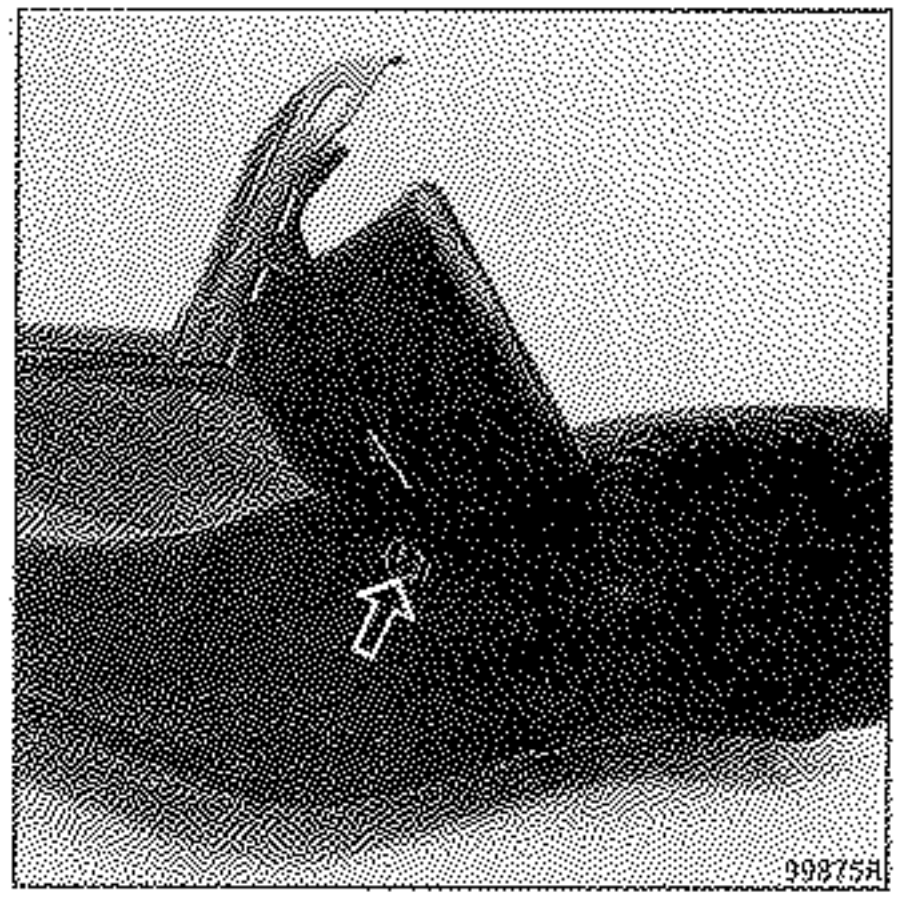


REMOVAL

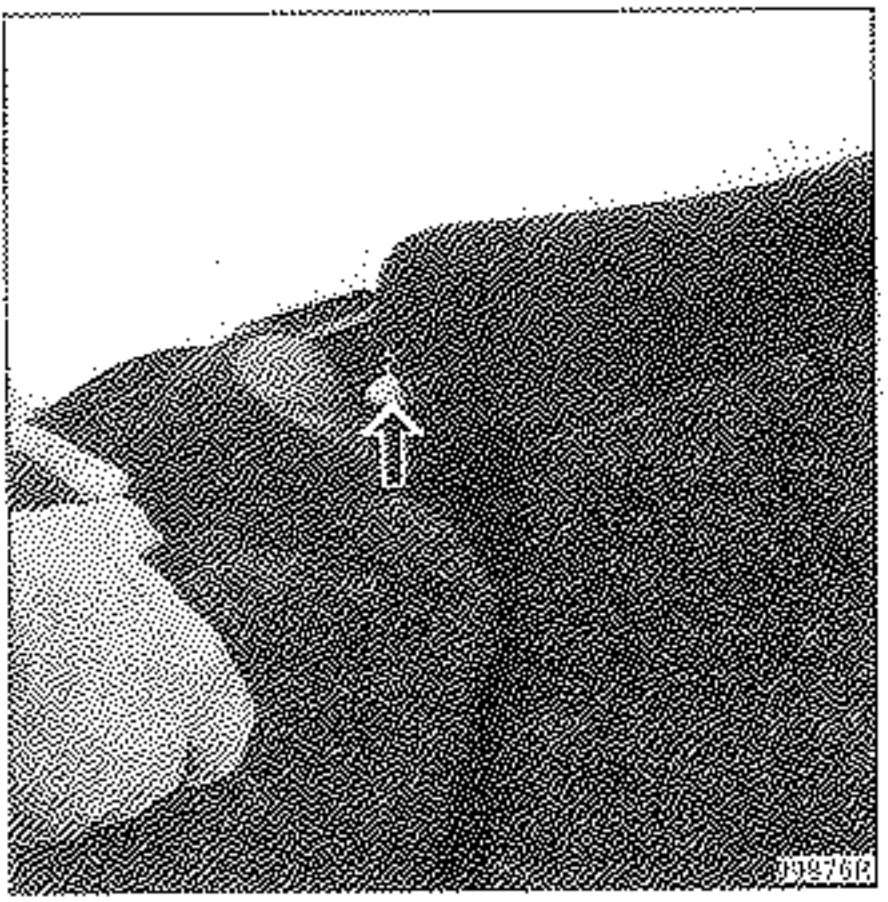


Remove the mounting nuts.

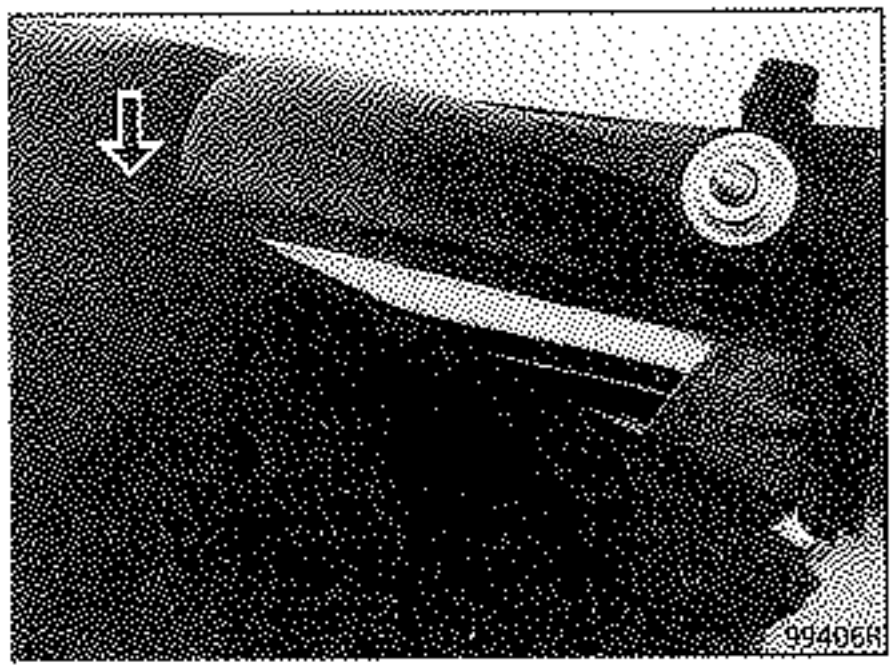
Release the bench seat at the upper edge and remove it.



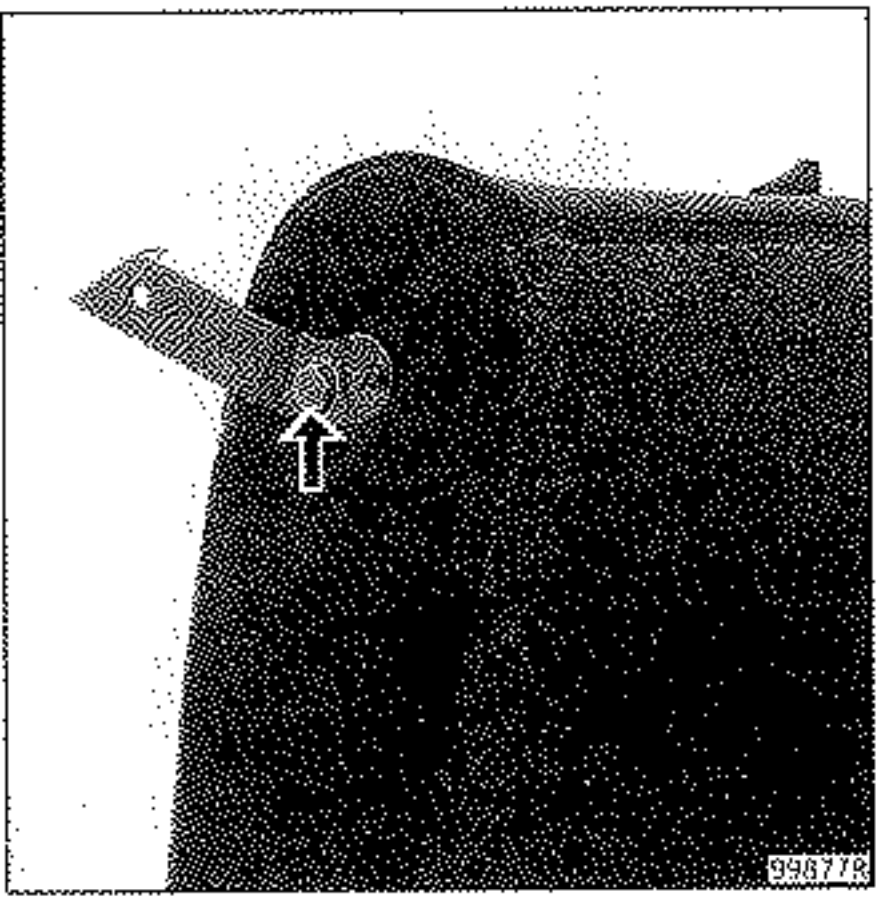
Depending on the section concerned, remove the exterior bolt.



Remove the central nut.



Undo the zip and remove the trim.



Once the bench seat is separated, remove the mounting bracket so the zip tag can be reached.