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SUN ROOF

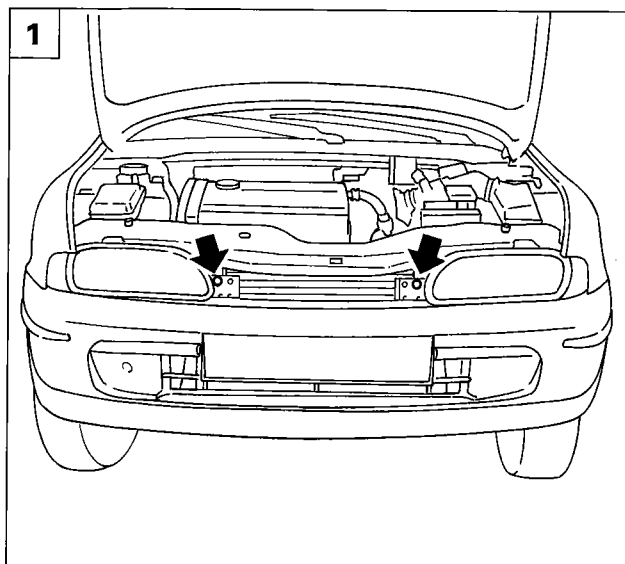
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WINDOW GLASSES

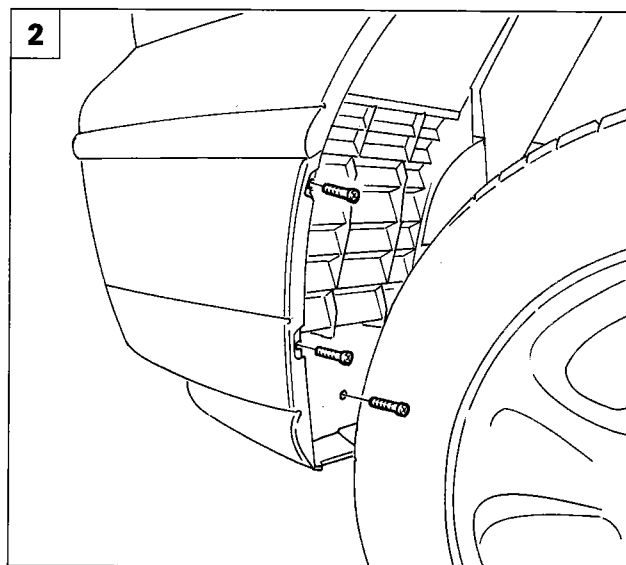
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Fiat Auto S.p.A.

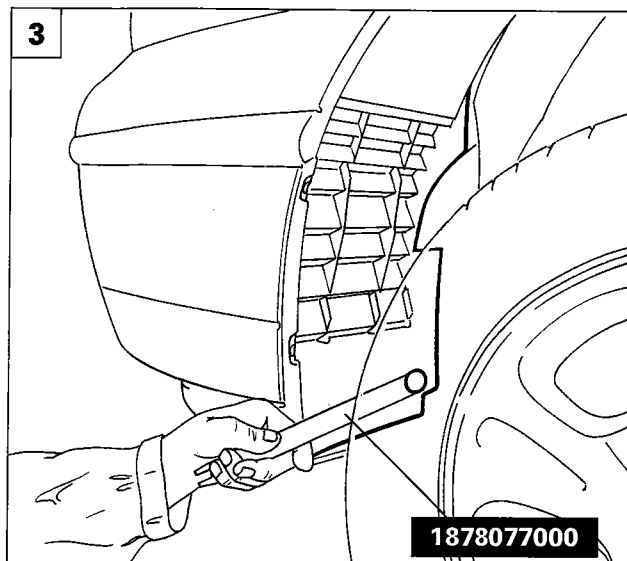
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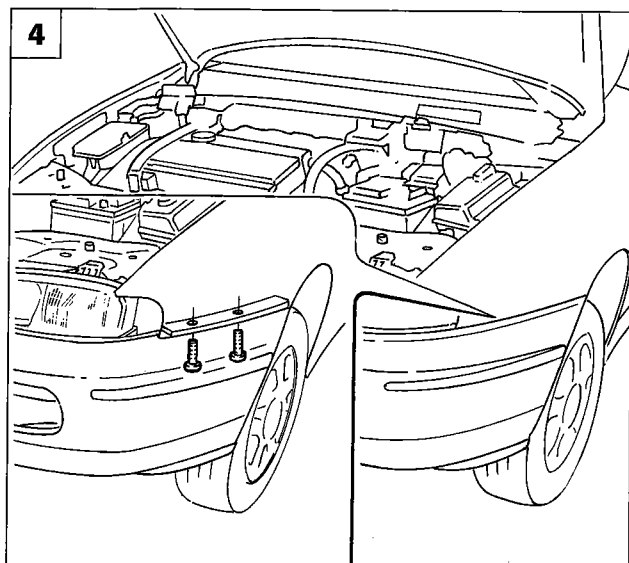
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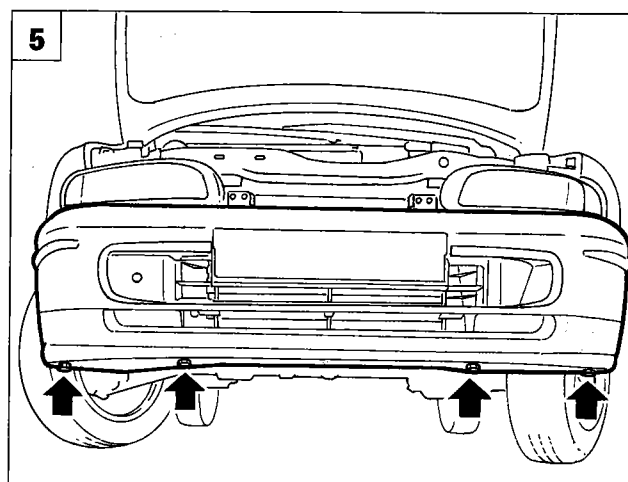
REMOVING-REFITTING FRONT BUMPER

1. Raise the bonnet lid, then undo the upper bolts fixing the bumpers to the front cross member cover.
2. Undo the bolts fixing the front wheel arch liner.
3. Using tool 1878077000, remove the button fixing and extract the front wheel arch liner.
4. Undo the bolts fixing the bumpers to the front wing.
5. Remove the front bumper from the bodyshell, undoing the lower fixing bolts shown by the arrows.

NOTE To refit, simply reverse the order of the operations carried out for the removal.

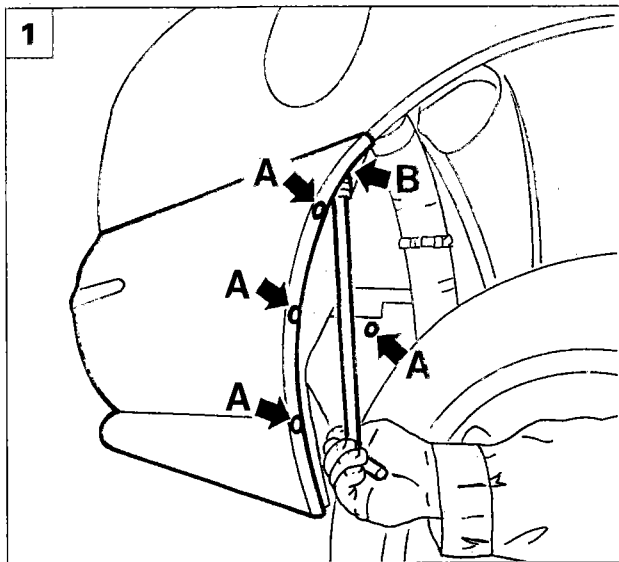


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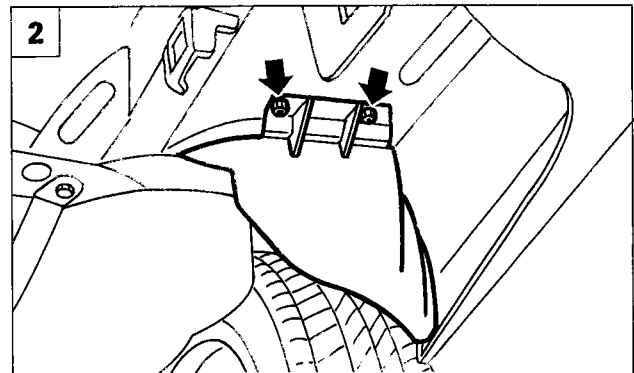


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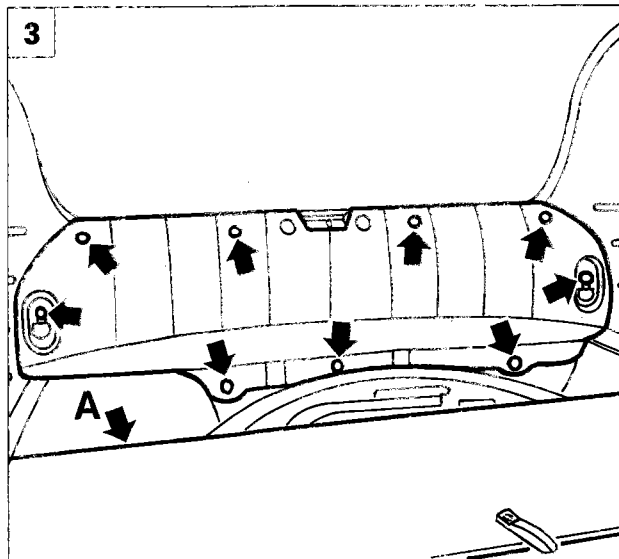
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REMOVING-REFITTING REAR BUMPER

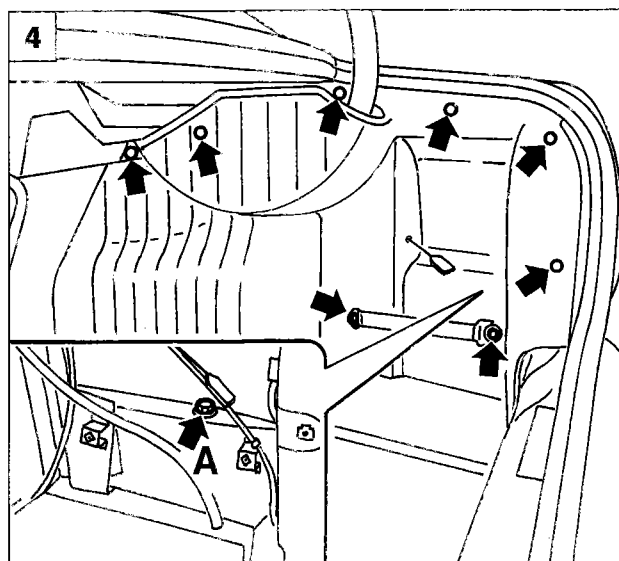
1. Undo the bolts (A) fixing the bumpers to the wheel arch liner. Undo the bolt (B) fixing the bumpers to the rear wing.
2. Remove the wheel arch liner, undoing the fixing nuts.
3. Remove the luggage compartment floor covering (A). Undo the bolts fixing the rear luggage compartment protection, then remove the protection.
4. Undo the fixing bolts and release the buttons for the luggage compartment side lining, then remove it. Undo the bolt (A) fixing the bumper to the bodyshell.
5. Undo the bolts fixing the bumpers to the bodyshell. Remove the bumpers.



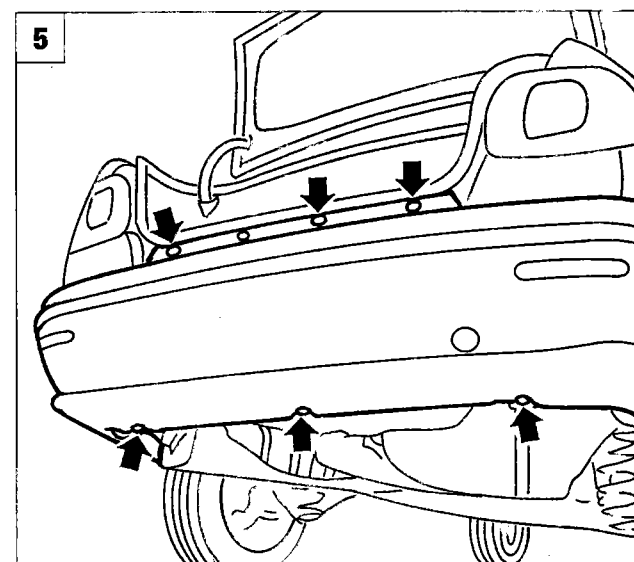
NOTE To refit simply reverse the order of the operations carried out for the removal.



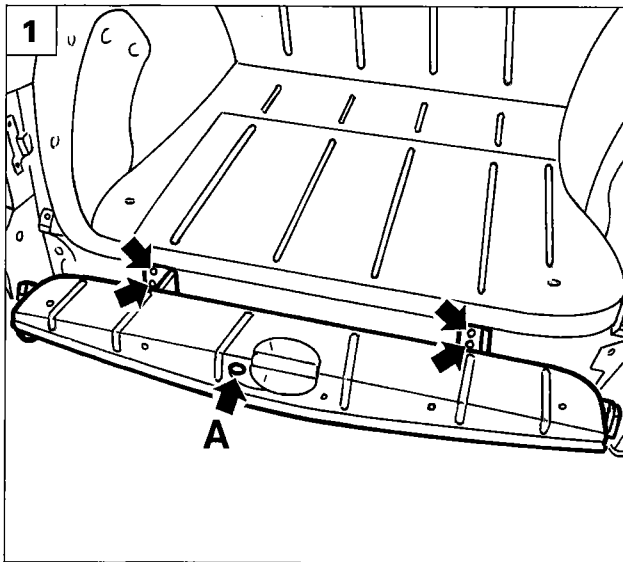
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REMOVING-REFITTING REAR FOLDING BUMPER

1. Acting on the button (A), lower the bumper.
- Undo the bolts shown fixing the hinges and remove the folding rear bumper.

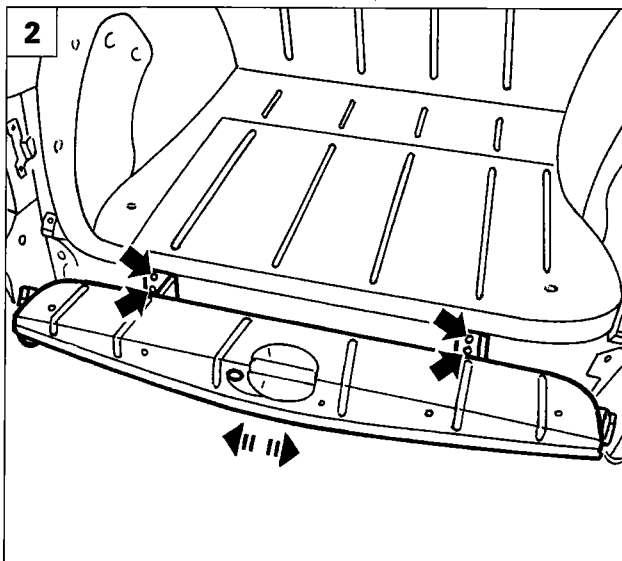


Adjusting position of folding rear bumper

2. Loosen the bolts fixing the hinges, then adjust the position of the folding rear bumper.

NOTE The arrows indicate the possible movements for the adjustment.

- When the adjustment has been carried out, fully tighten the hinge fixing bolts.

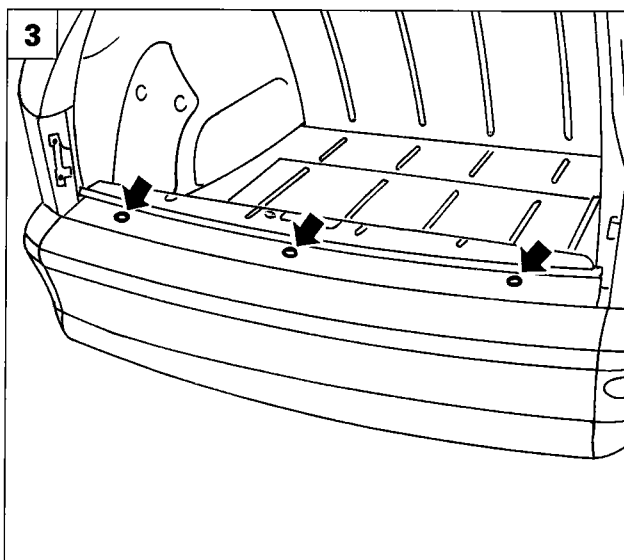


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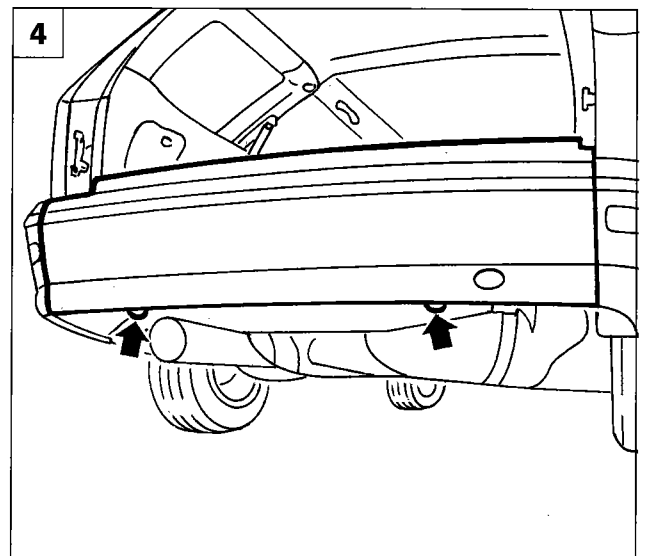


REMOVING-REFITTING FOLDING REAR BUMPER OUTER COVER

3. Open the rear tailgate and undo the bolts shown.
4. Undo the bolts shown and remove the folding rear bumper outer cover.

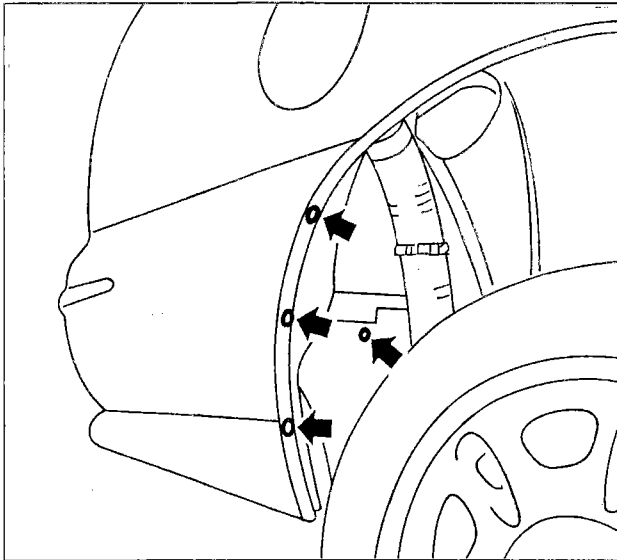


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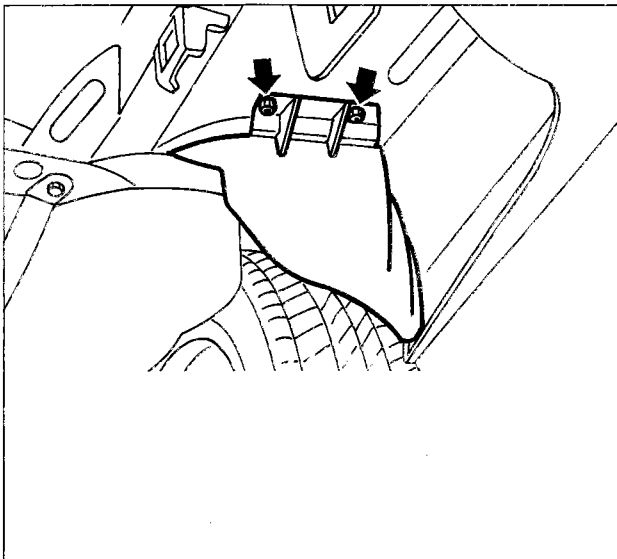


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**REMOVING-REFITTING
SIDE REAR BUMPER**

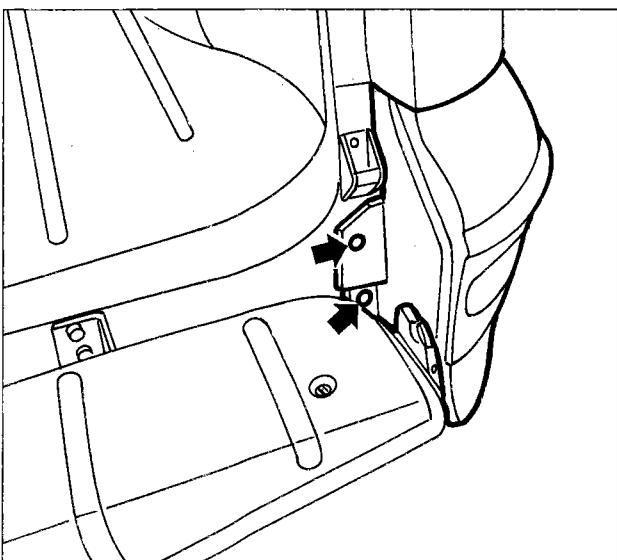
- Undo the bolts fixing the bumper to the wheel arch liner.



P4F002M02



- Remove the wheel arch liner, undoing the fixing nuts.

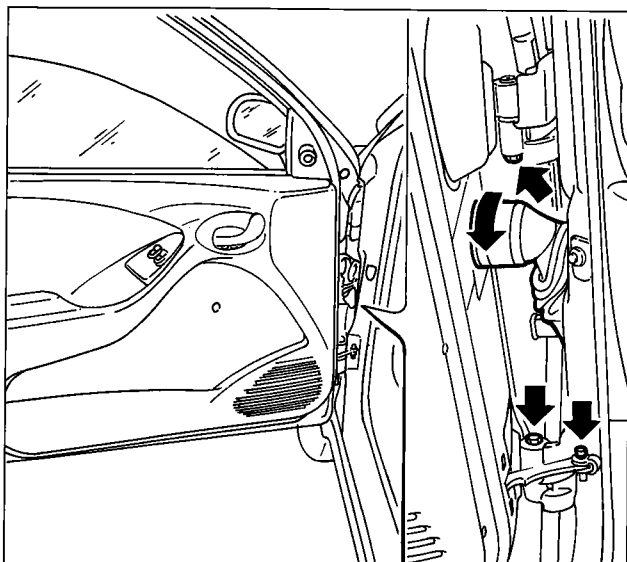


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- Lower the rear bumper; undo the bolts shown and remove the side section of the rear bumper.

NOTE *To refit, simply reverse the order of the operations carried out for the removal.*



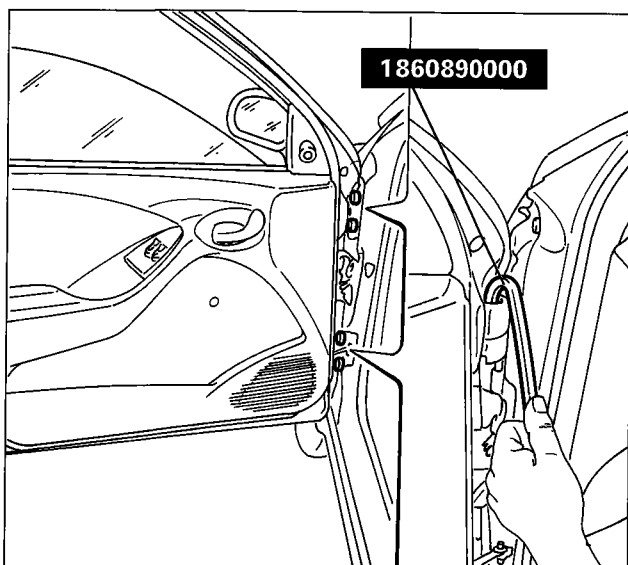
P4F005M01



REMOVING-REFITTING DOOR

- Disconnect the supply connector for the electrical devices for the door;
- remove the flexible pin for the door check strap, using tool 1878081000;
- remove the door after having undone the fixing bolts shown;

NOTE To refit, simply reverse the order of the operations carried out for the removal, tightening the bolts fixing the door hinges to the recommended torque (1.5 daNm).



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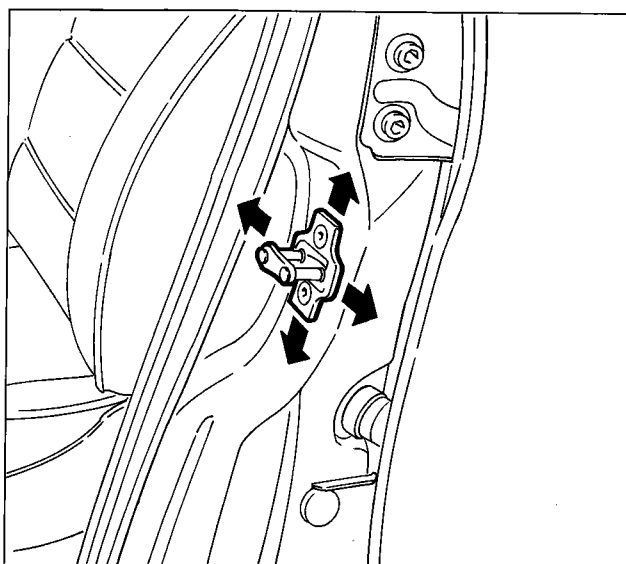


ADJUSTMENTS

Adjusting front door

- Loosen the nuts fixing the hinge to the door, using tool 1860890000.
- adjust the position of the door;
- when the adjustment has been carried out, tighten the nuts fixing the hinge to the door to the recommended torque (4.5 daNm).

NOTE The arrows indicate the possible movements for the adjustment.



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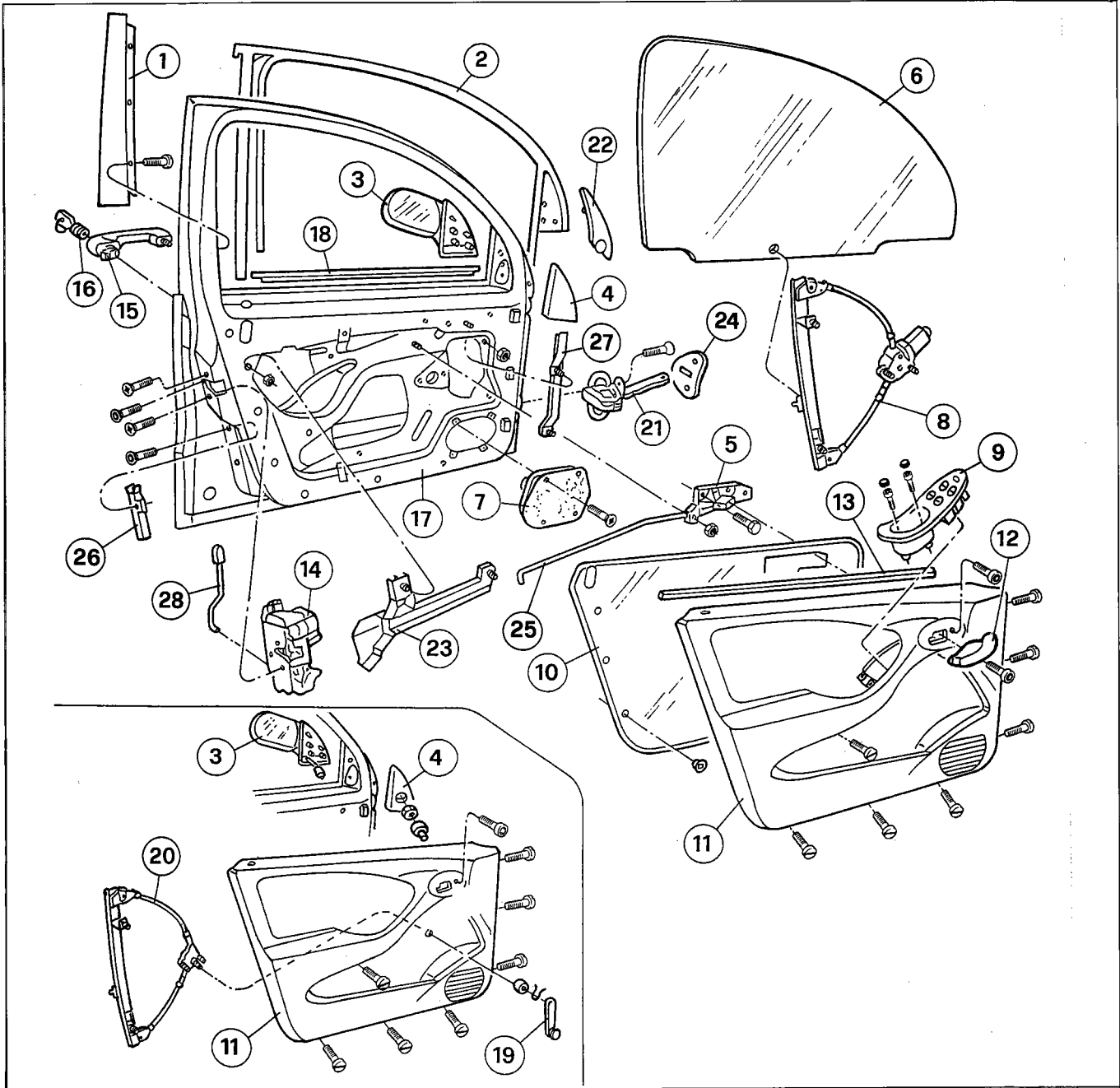


Adjusting position of door lock striker

- Loosen the bolts fixing the striker and adjust its position;
- when the adjustment has been carried out, fully tighten the bolts fixing the striker.

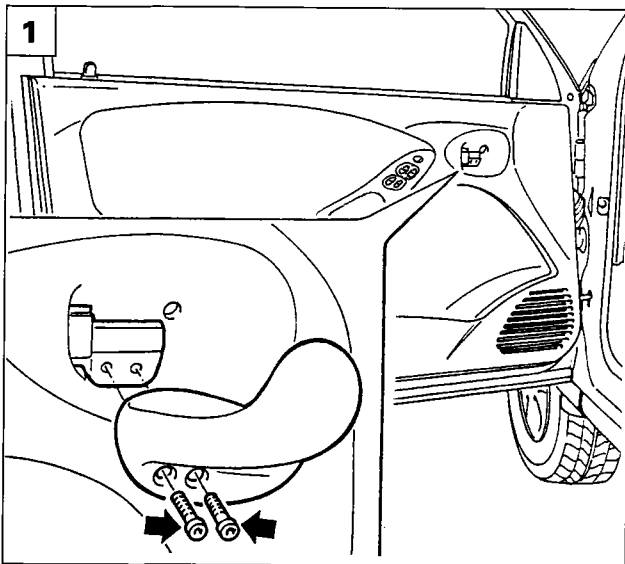
NOTE The arrows indicate the possible movements for the adjustment.

GENERAL VIEW Removing front door

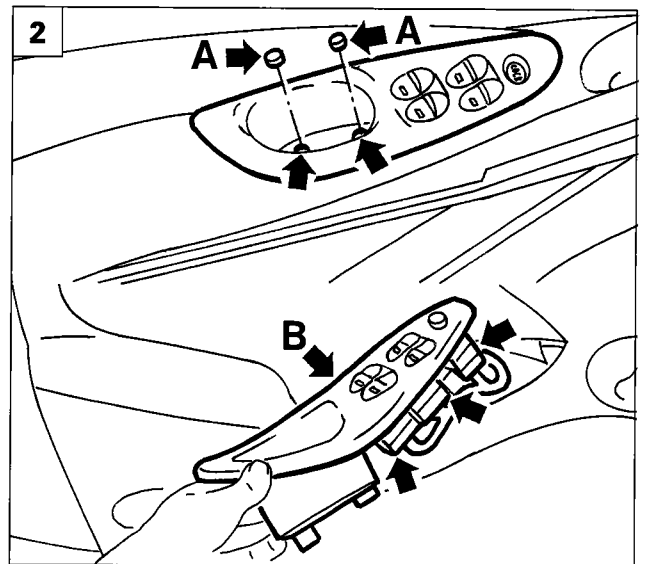


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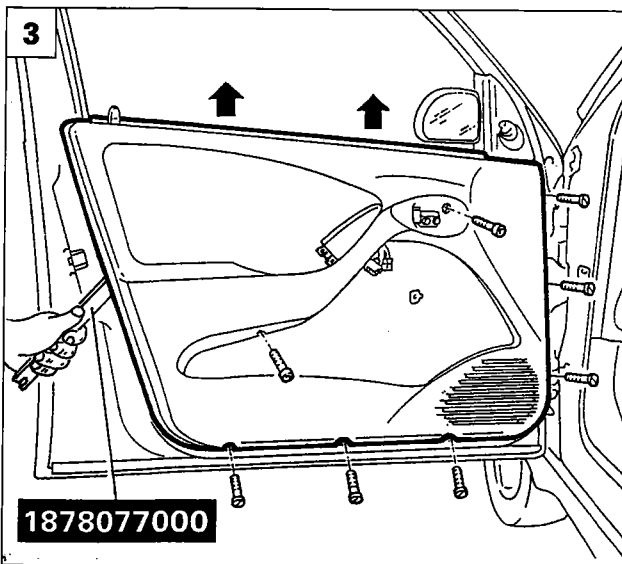
- | | |
|-----------------------------------|----------------------------------|
| 1. Rear pillar trim | 15. Outer door handle |
| 2. Finishing seal | 16. Door lock barrel |
| 3. External rear view mirror | 17. Door structure |
| 4. Trim | 18. Outer glass scraper trim |
| 5. Door opening lever | 19. Window opening crank |
| 6. Lowering window glass | 20. Manual window opening device |
| 7. Speaker | 21. Door rod |
| 8. Electric window opening device | 22. Inner seal |
| 9. Electric windows button | 23. Door opening rod protection |
| 10. Protective door lining | 24. Door rod seal |
| 11. Door panel | 25. Lock rod |
| 12. Inner door opening lever | 26. Rear window guide |
| 13. Internal glass scraper trim | 27. Front window guide |
| 14. Door lock | 28. Safety rod |



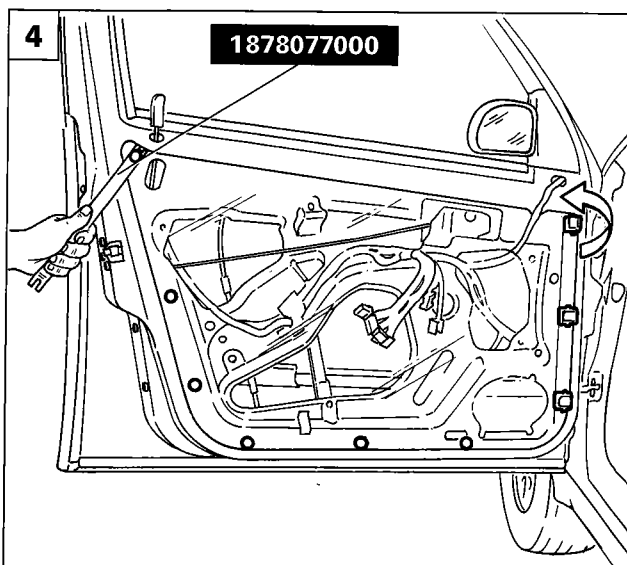
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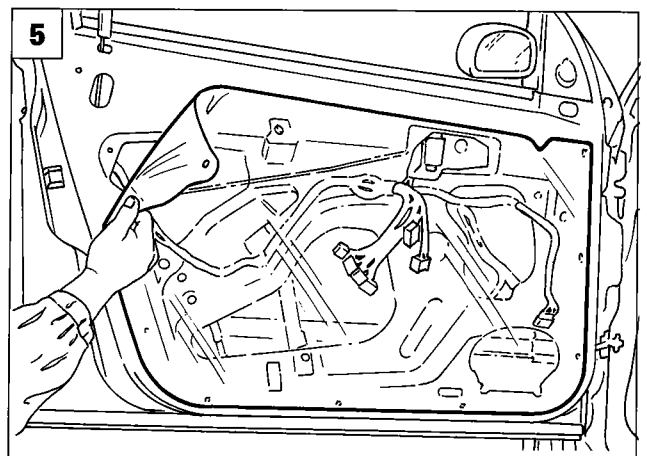
REMOVING-REFITTING DOOR PANEL AND PROTECTIVE COVER

1. Remove the door opening control lever by undoing the fixing bolts shown.
2. Release the caps (A) for the electric windows panel, then undo the bolts underneath.

Remove the electric windows panel (B) and remove it gently, then disconnect the appropriate connections.

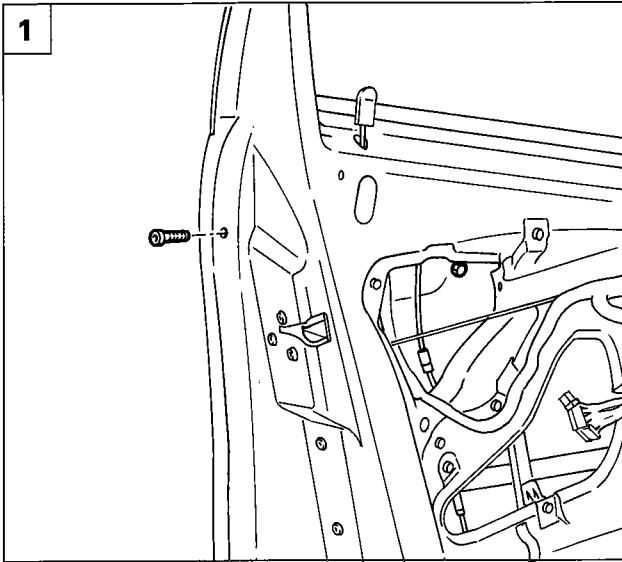
3. Remove the door panel, undoing the fixing bolts shown in the diagram and removing the fixing buttons using tool 1878077000.
4. Using tool 1878077000, remove the fixing buttons shown, extract the side blocks from the door, rotating them as illustrated in the diagram.
5. Remove the protective door lining.

NOTE To refit, simply reverse the order of the operations carried out for the removal.



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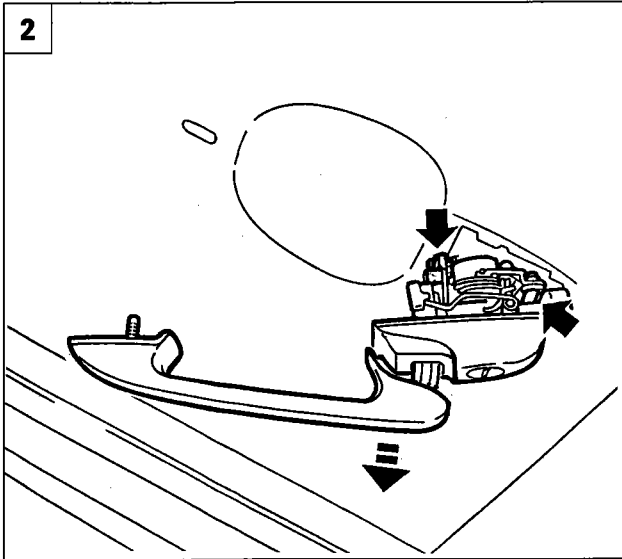


REMOVING-REFITTING OUTER DOOR HANDLE

Remove the door panel as described on the previous page.

1. Undo the bolt and the nut fixing the handle to the door.
2. With the handle in the open position, disconnect the opening control rods, releasing them from the appropriate attachments points, then remove the handle.

NOTE *To refit simply reverse the order of the operations carried out for the removal, fixing the bolt and nut in order.*



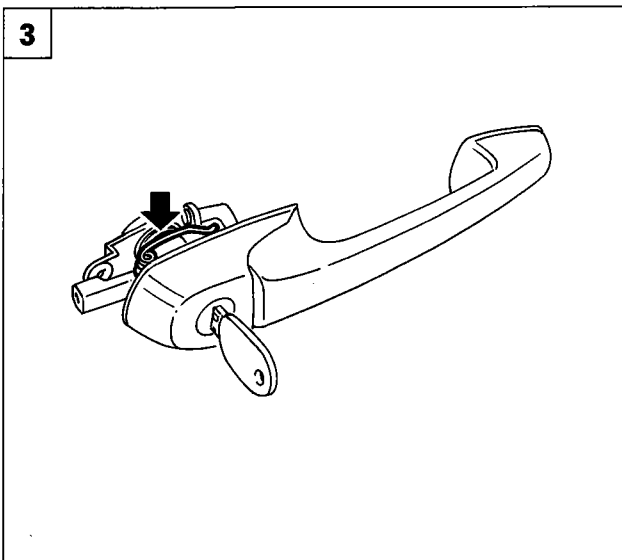
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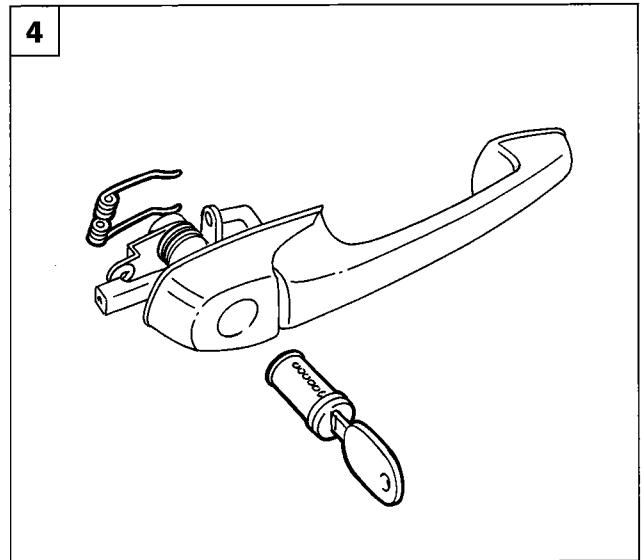
REPLACING DOOR LOCK BARREL

3. Remove the door handle, following the instructions given above; insert the key in the lock barrel, then remove the fixing spring.
4. Extract the lock barrel.

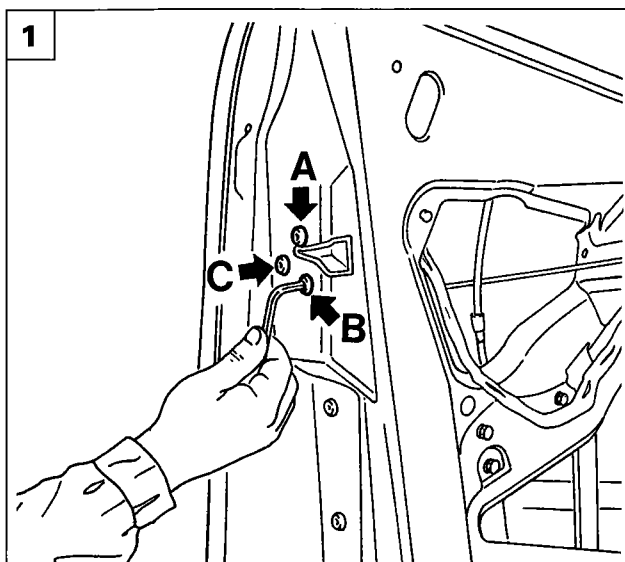
NOTE *When refitting, suitably reverse the order of the operations carried out for the removal.*



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P4F03AM04



P4F04AM01



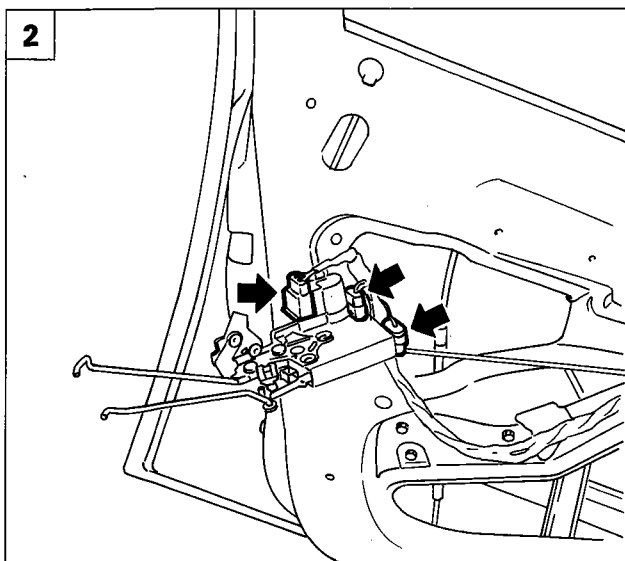
REMOVING-REFITTING DOOR LOCK



Remove the outer handle for the door following the instructions on the previous page.

1. Undo the bolts fixing the lock to the door (A, B and C).
2. Remove the lock from the door disconnecting the connectors shown by the arrows and door opening control rod.

NOTE To refit simply reverse the order of the operations carried out for the removal, tightening bolts A, B and C in order.



P4F04AM02



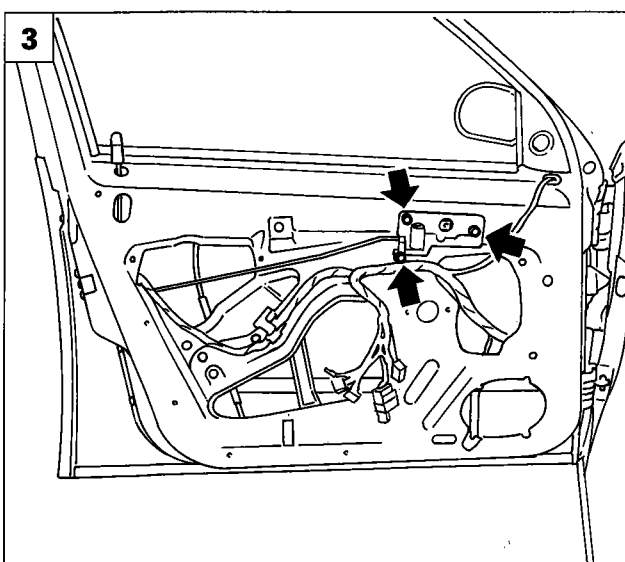
REMOVING-REFITTING DOOR OPENING LEVER



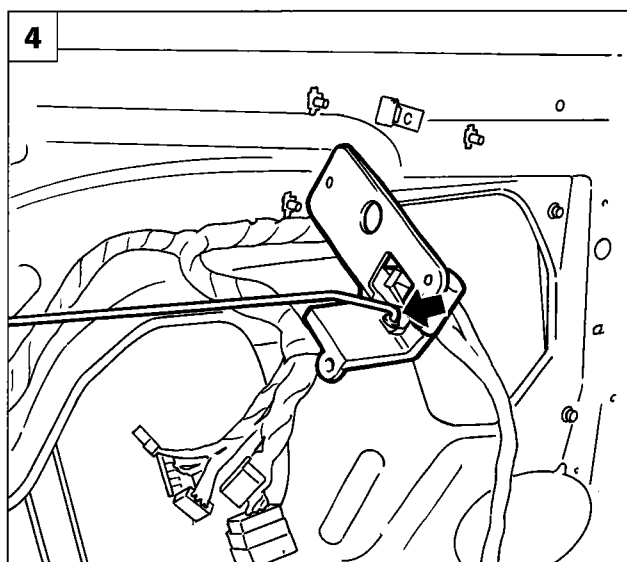
Remove the door panel following the instructions given on the previous pages.

3. Undo the nuts fixing the door opening control lever.
4. Remove the control lever from its housing releasing it from the lock operating rod.

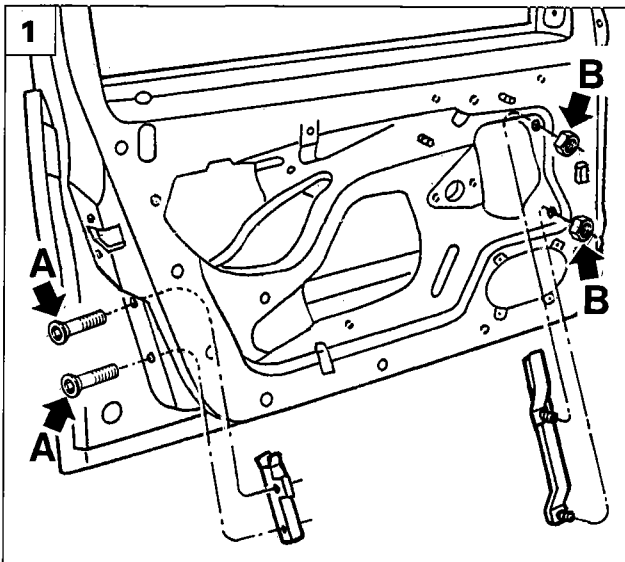
NOTE To refit simply reverse the order of the operations carried out for the removal.



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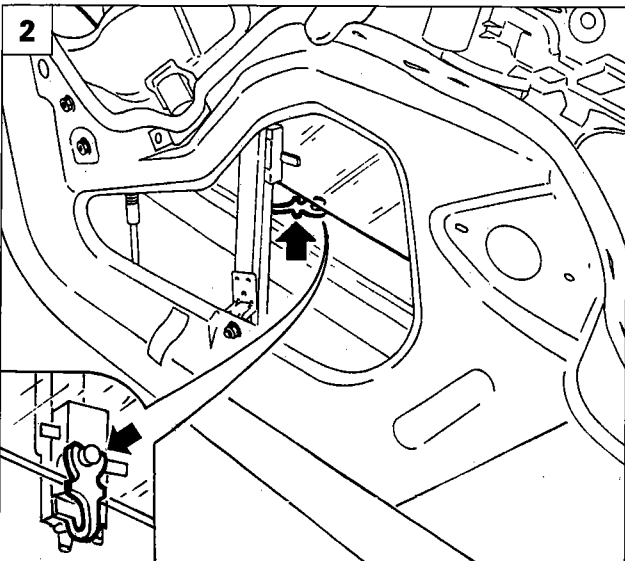


P4F010M01



REMOVING-REFITTING LOWERING WINDOW GLASS

- Remove the door panel and protective cover as described on the previous pages.
 - Remove the external rear view mirror, as described on the pages which follow.
 - Remove the outer glass scraper trim.
1. Completely raise the window.
Undo the bolts (A) then remove the rear window guide.
Undo the bolts (B) then remove the front window guide.
 2. Release the window from its fixing device.



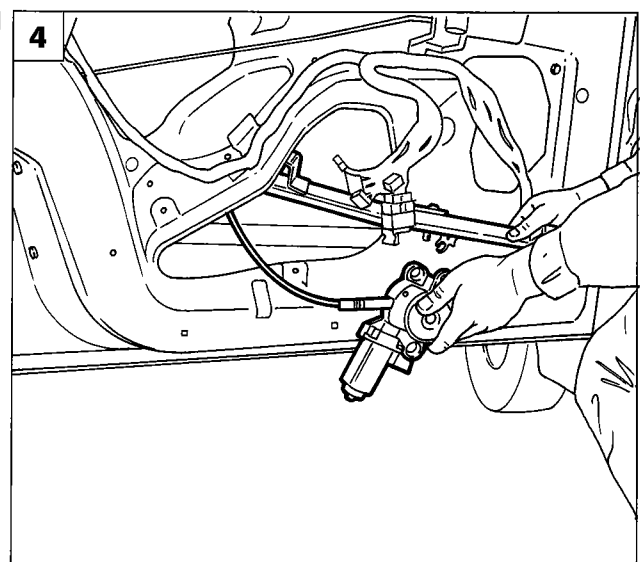
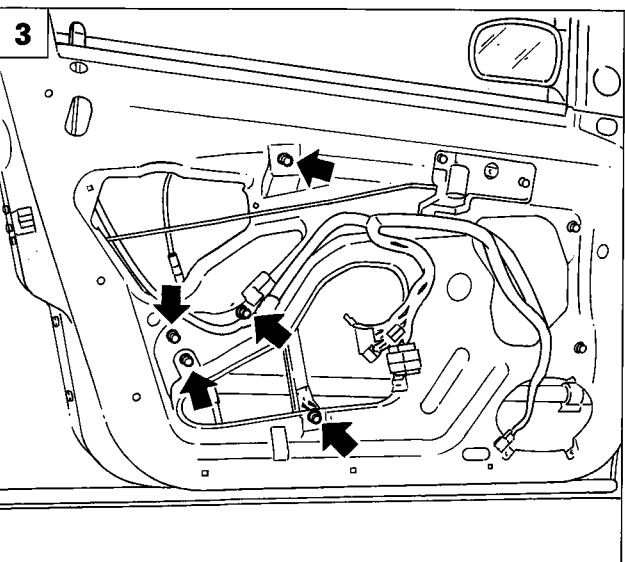
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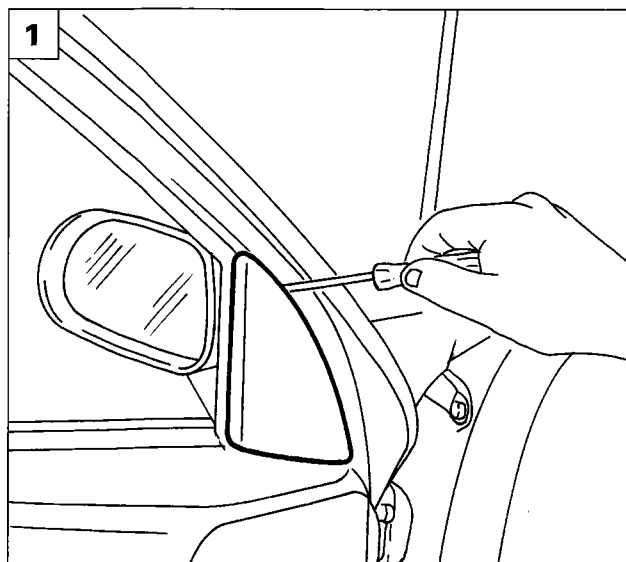


REMOVING-REFITTING WINDOW OPENING DEVICE

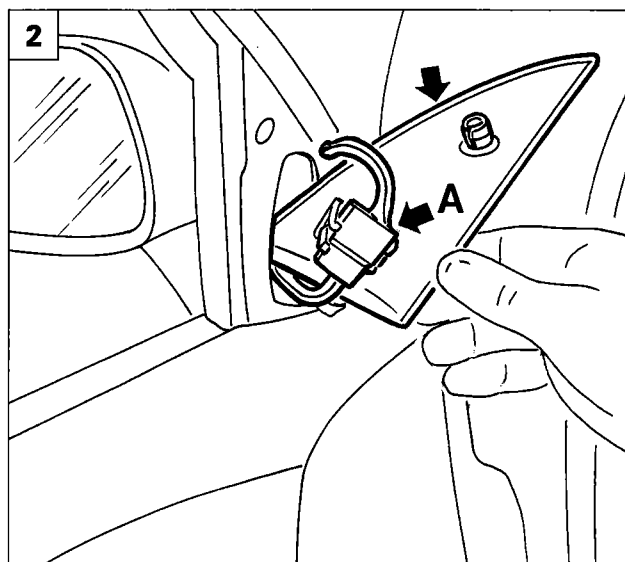
- Extract the window from its housing.
3. Release the window from its device as described above, then undo the bolts fixing the window opening device to the door.
 4. Extract the window opening device from its housing.

NOTE *To refit simply reverse the order of the operations carried out for the removal.*

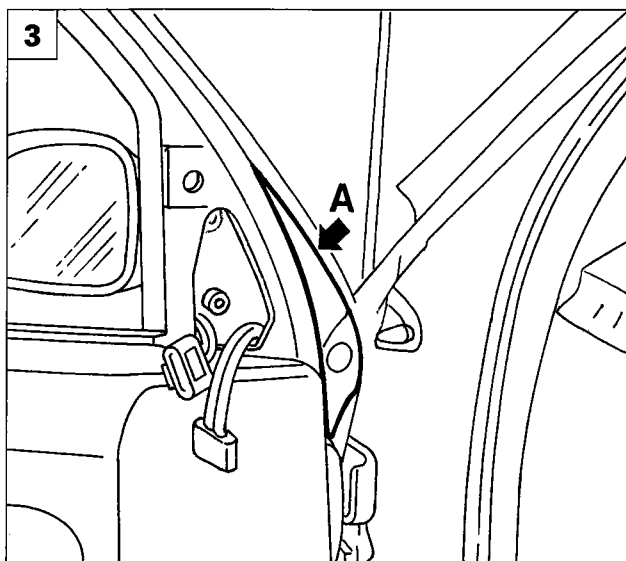




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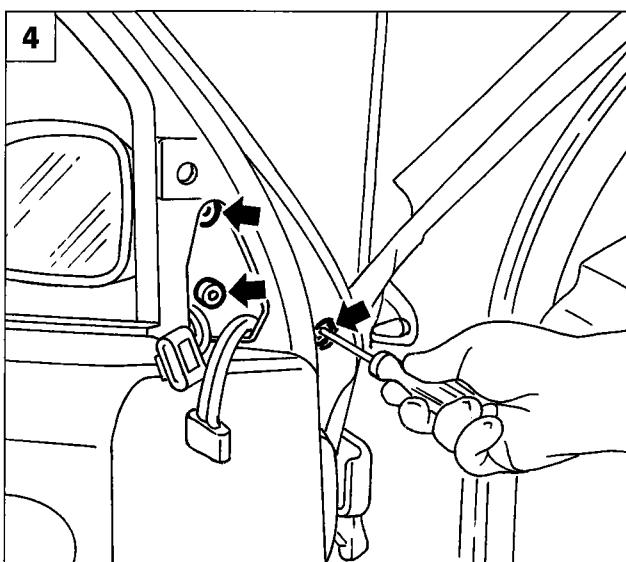
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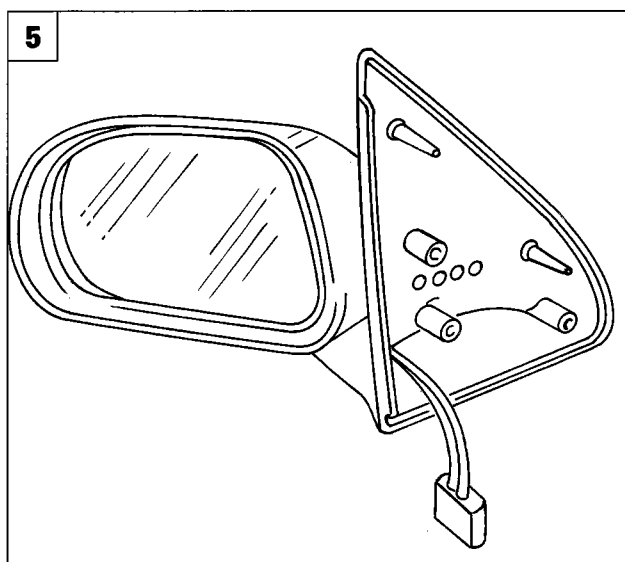
REMOVING-REFITTING EXTERNAL REAR VIEW MIRROR (electric)

1. Gently remove the mirror fixing cover trim, acting on the retaining tabs.
2. Disconnect the electrical connector (A), then remove the trim.
3. Release the rubber protection (A).
4. Undo the bolts fixing the mirror to the bodyshell.
5. Remove the external rear view mirror complete with plastic trim.

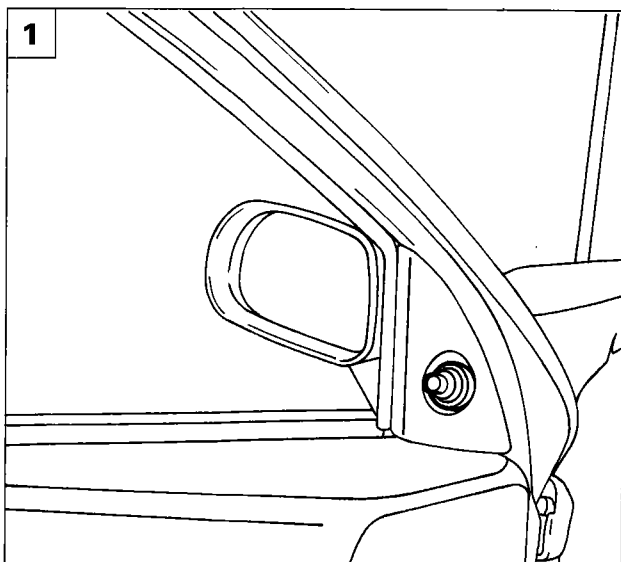
NOTE *To refit simply reverse the order of the operations carried out for the removal.*



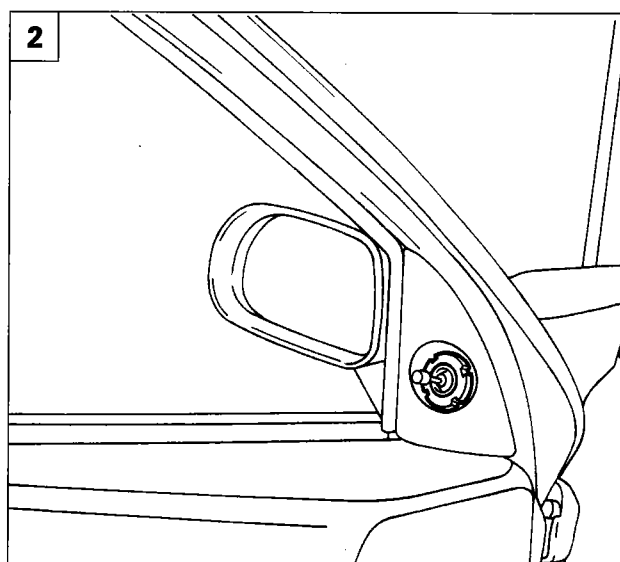
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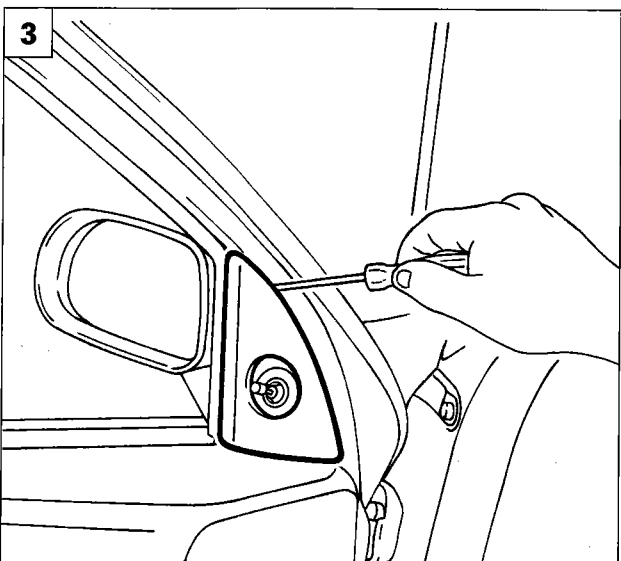
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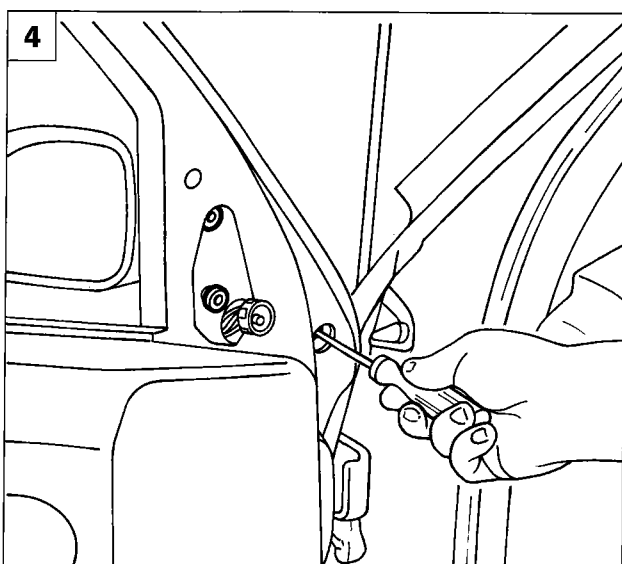
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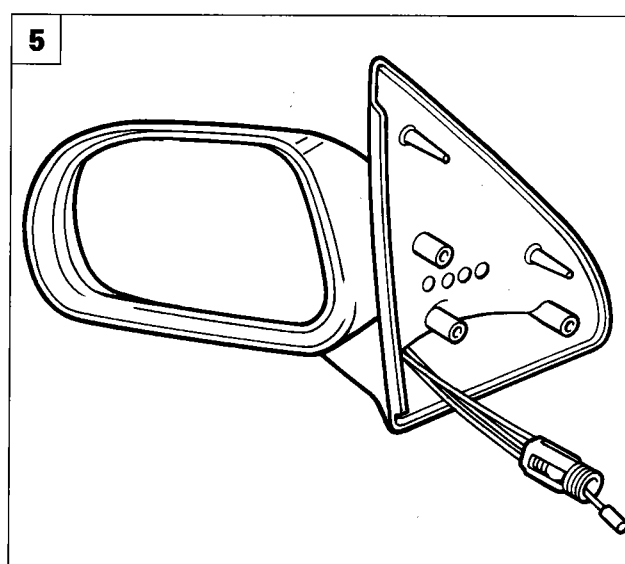
REMOVING-REFITTING EXTERNAL REARA VIEW MIRROR (manual)

1. Remove the rubber cover.
2. Undo the fixing ring nut.
3. Remove the fixing cover trim for the mirror, acting on the retaining tabs.
4. Undo the bolts fixing the mirror to the bodyshell.
5. Remove the external rear view mirror complete with plastic trim.

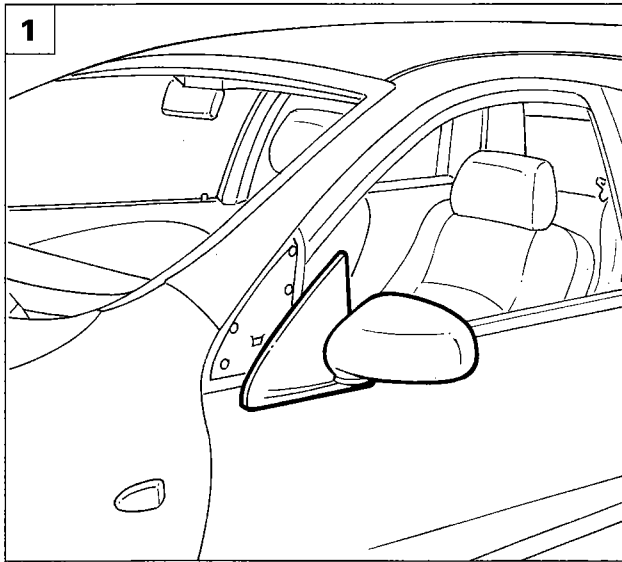
NOTE *To refit simply reverse the order of the operations carried out for the removal.*



P4F06AM04



P4F06AM05



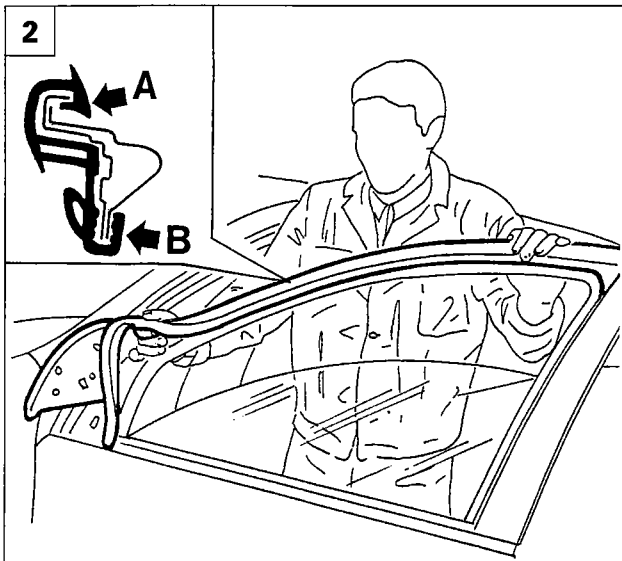
P4F07AM01



REMOVING-REFITTING DOOR FINISHING TRIM

1. Remove the external rear view mirror, following the instructions on the previous page.
2. Remove the door trim, starting from the upper section (A), working towards the lower section (B).

NOTE To refit simply reverse the order of the operations carried out for the removal.



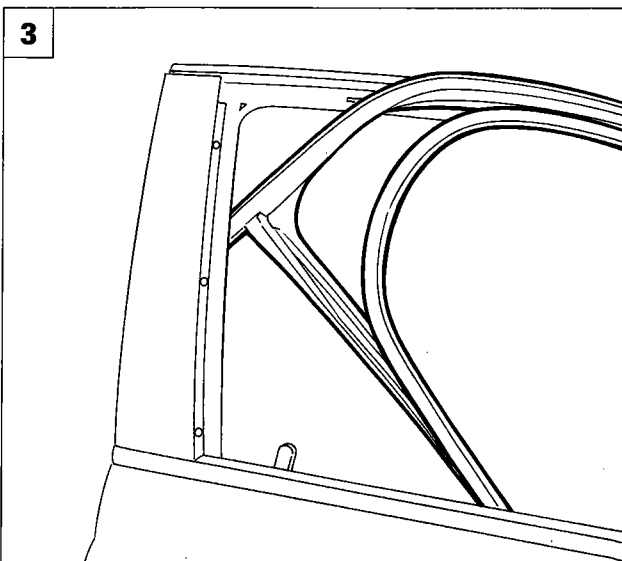
P4F07AM02



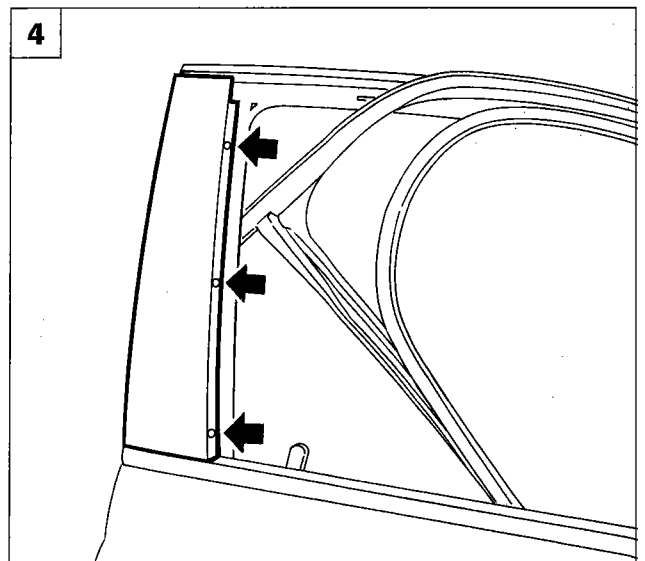
REMOVING-REFITTING REAR DOOR PILLAR TRIM

3. Working from outside the vehicle, partly remove the finishing trim and the perimeter trim for the door window housing.
4. Remove the door trim, undoing the fixing bolts shown by the arrows.

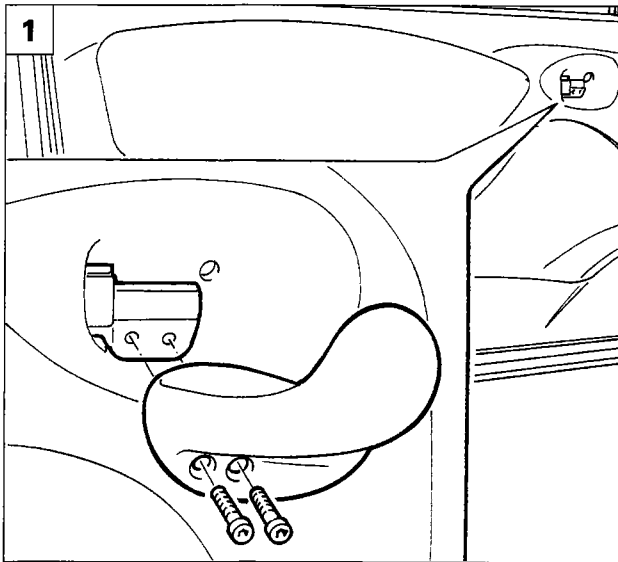
NOTE To refit simply reverse the order of the operations carried out for the removal.



P4F07AM03



P4F07AM04

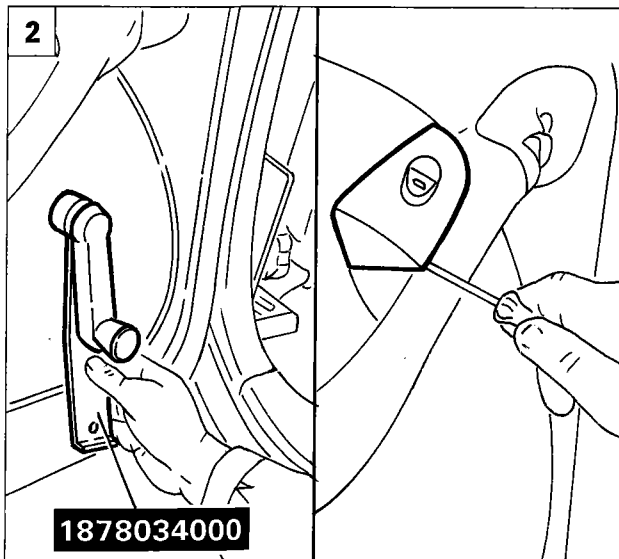


P4F014M01



REMOVING-REFITTING DOOR PANEL AND PROTECTIVE LINING

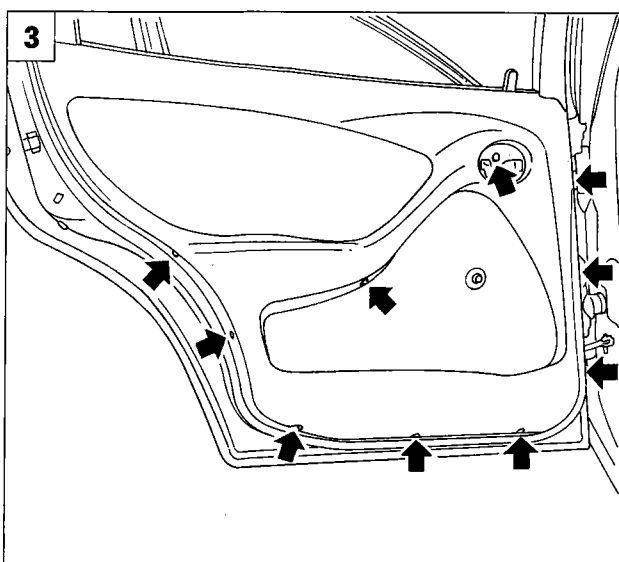
1. Remove the door opening control lever by undoing the fixing bolts shown in the diagram.
2. (Version with manually opened windows - See left inset) Using tool 1878034000, remove the split pin retaining the crank to the window operating pin. (Version with electric windows - See right inset) Remove the switch unit and disconnect the appropriate connection.
3. Undo the bolts fixing the door panel.
4. Using tool 1878077000, remove the buttons fixing the panel to the door, then remove the protective door lining.



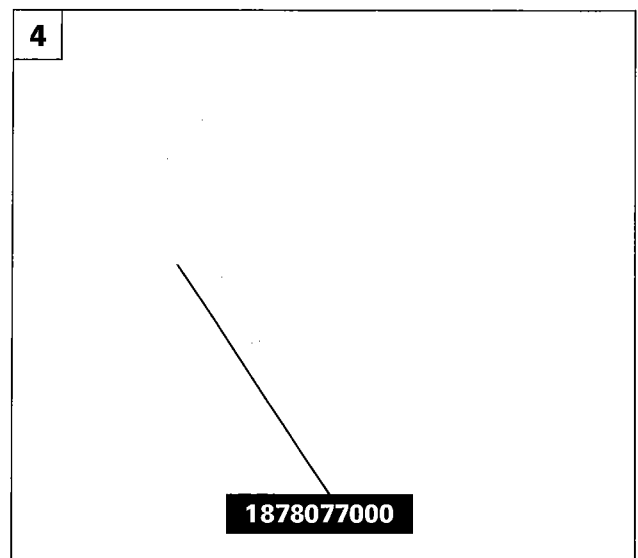
P4F014M02



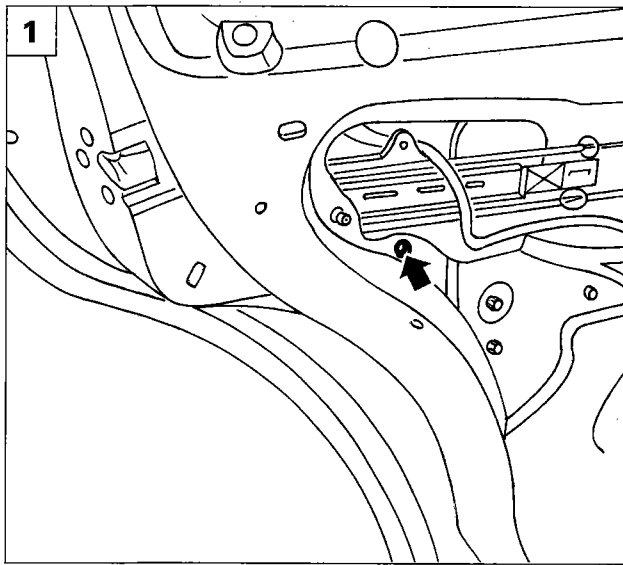
NOTE To refit simply reverse the order of the operations carried out for the removal.



P4F014M03



P4F014M04

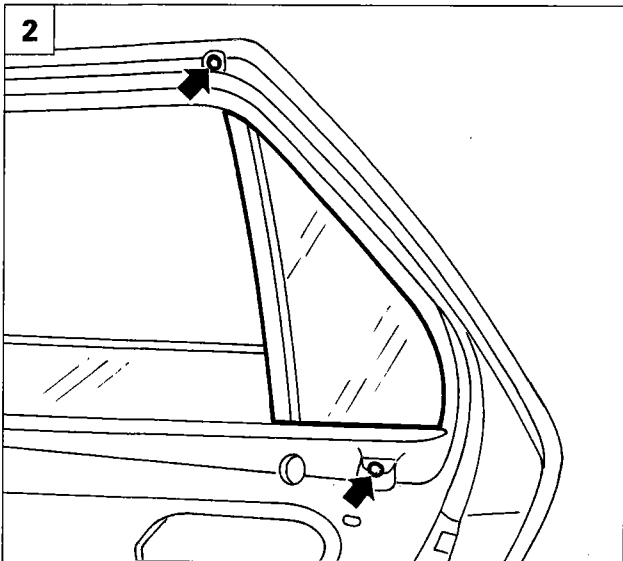


P4F015M01



REMOVING-REFITTING FIXED WINDOW GLASS

1. Remove the door panel as described on the previous page and move the protective lining aside.
 - Undo the fixing bolt shown and extract the rear window guide.
 - Carefully lower the window until it reaches the end of travel position.
2. Undo the bolts shown, then remove the fixed window from its housing.



P4F015M02

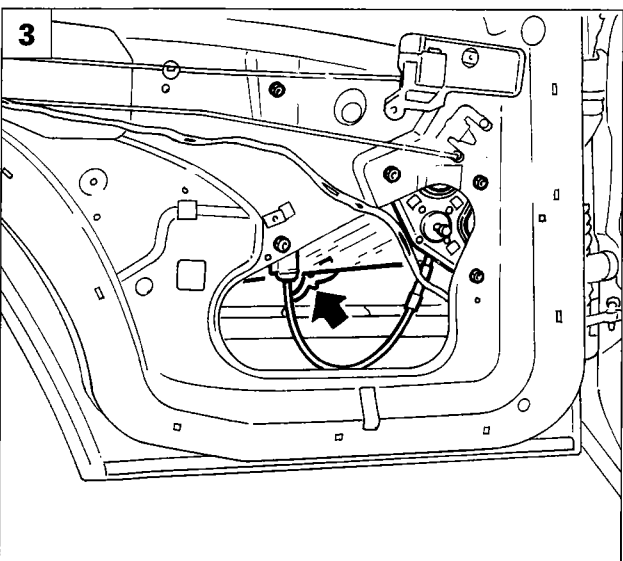


REMOVING-REFITTING LOWERING WINDOW GLASS

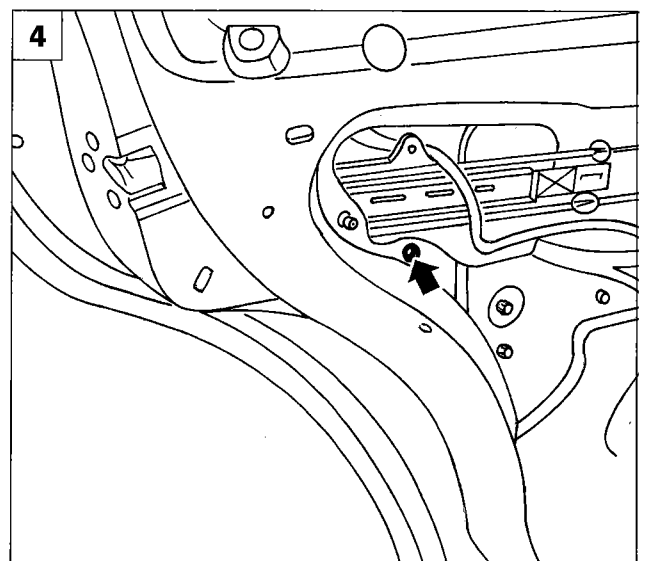
Remove the door panel and protective cover, following the instructions on the previous page.

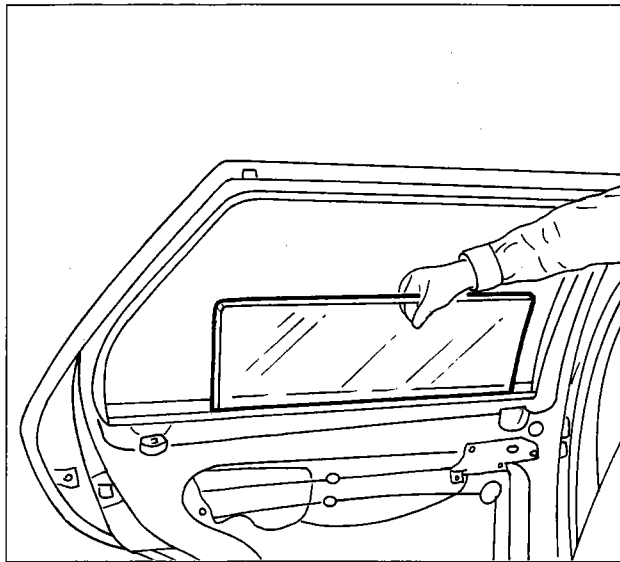
Remove the fixed window glass, as described above.

3. Release the window from its device (the diagram shows the version with manually operated windows; the version with electric windows is the same).
4. Undo the fixing bolt shown and extract the window guide.



P4F015M03





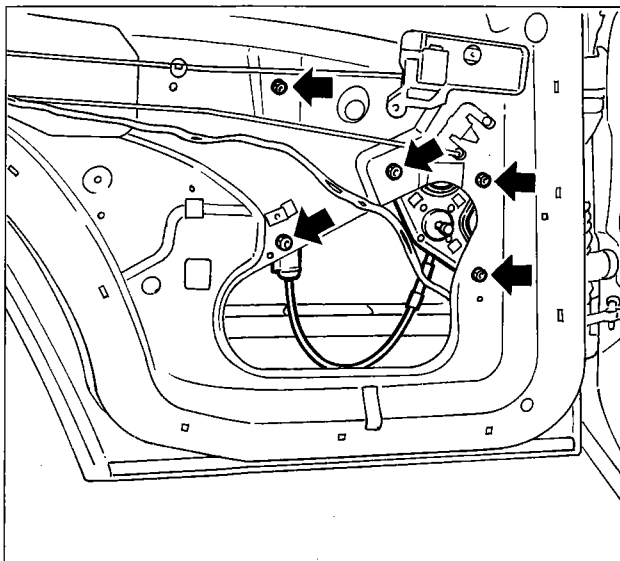
P4F016M01



- Remove the external and internal door perimeter trim, then extract the window.



NOTE *To refit simply reverse the order of the operations carried out for the removal.*



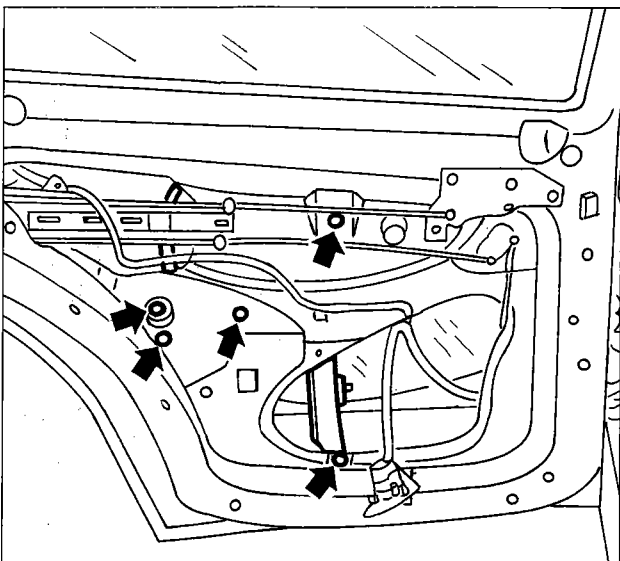
P4F016M02



REMOVING-REFITTING MANUALLY OPERATED WINDOW OPENING DEVICE

- Remove the window from the window opening device, following the instructions given previously, then undo the fixing nuts shown by the arrows and extract the window opening device.

NOTE *To refit simply reverse the order of the operations carried out for the removal.*



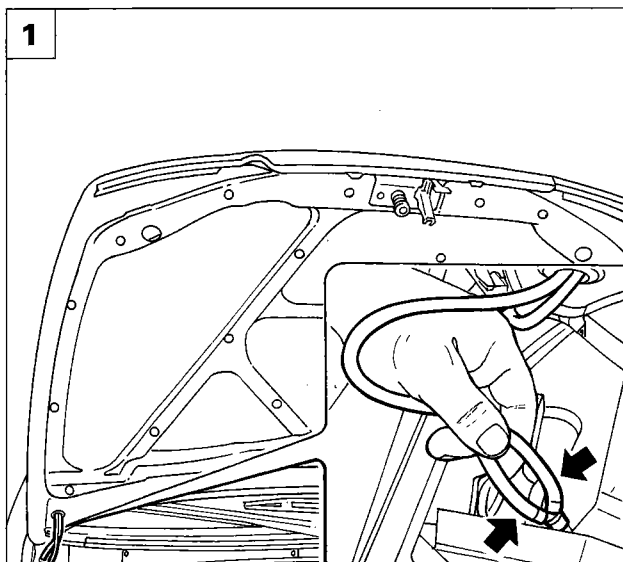
P4F016M03



REMOVING-REFITTING ELECTRICALLY OPERATED WINDOW OPENING DEVICE

- Remove the window from the electrically operated window opening device, following the instructions given previously, then undo the fixing nuts shown by the arrows and extract the window opening device.

NOTE *To refit, simply reverse the order of the operations carried out for the removal.*



P4F017M01



REMOVING-REFITTING BONNET LID

1. Raise the bonnet lid, then disconnect the windscreen washer pipes.
2. Undo the bolts fixing the bonnet lid, then, with the help of a second operator, remove the lid from the vehicle.

NOTE To refit simply reverse the order of the operations carried out for the removal.

ADJUSTMENTS

Adjusting position of bonnet lid

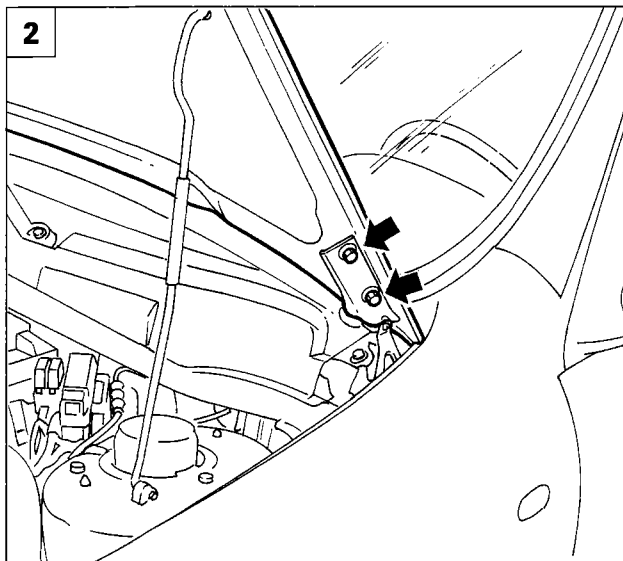
3. Loosen the bolts fixing the bonnet lid, then adjust its position.

NOTE The arrows indicate the possible movements for the adjustment.

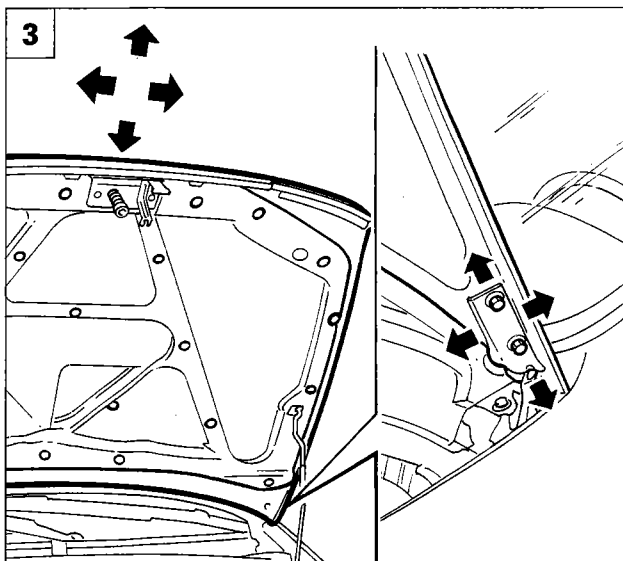
Adjusting bonnet lid closing device

4. Working as illustrated in the diagram, adjust the vertical position of the bonnet lid; it is possible to carry out the same adjustment by rotating the rubber mountings at the edge of the engine compartment.

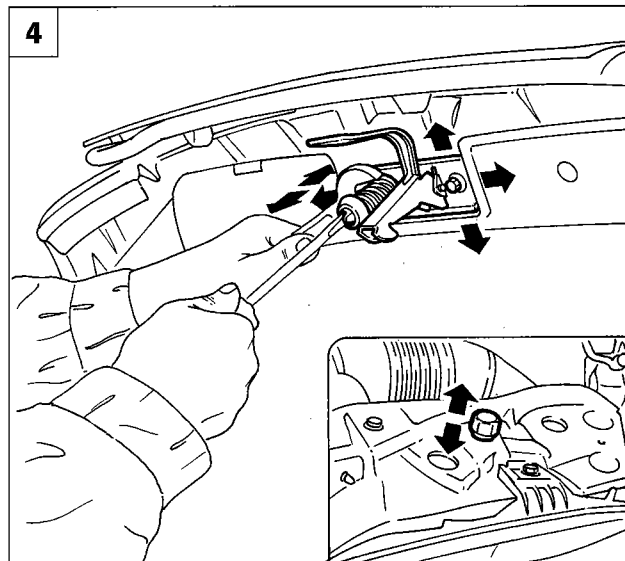
NOTE The arrows indicate the possible movements for the adjustment.



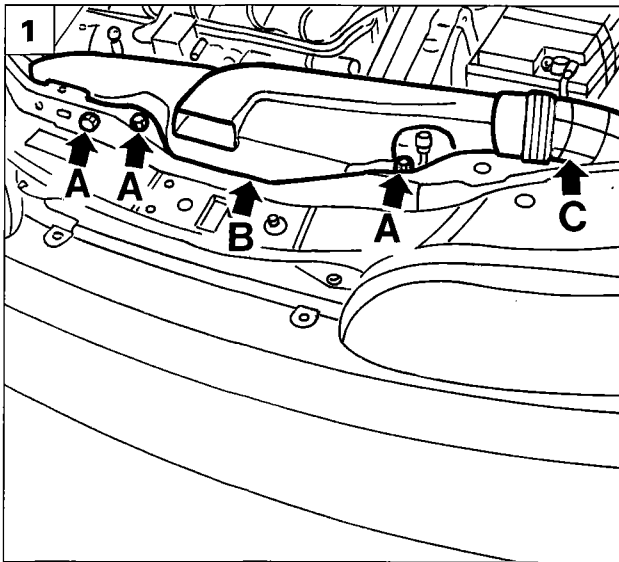
P4F017M02



P4F017M03



P4F017M04

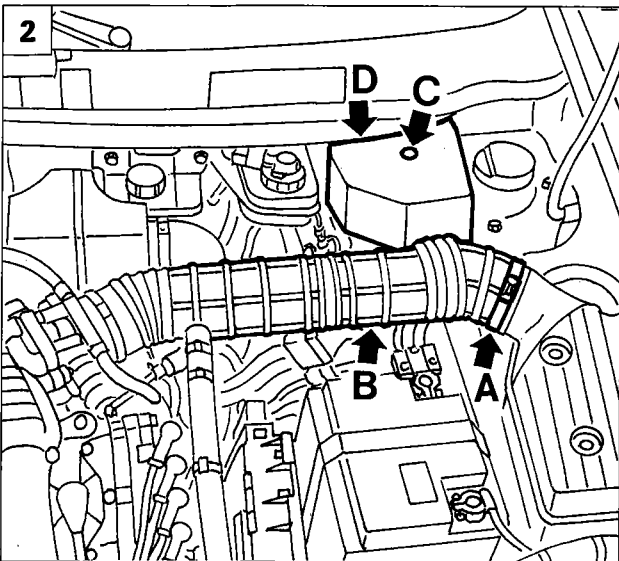


P4F018M01



REMOVING-REFITTING BONNET LID OPENING CABLE

1. Open the bonnet lid. Undo the three bolts (A) and remove the the air duct (B) and the curved section (C).
2. Open the band (A) and disconnect the air duct (B) (the air duct shown in the diagram isfor the 1581 version). Undo the bolt (C) and remove the fuse cover (D).



P4F018M02

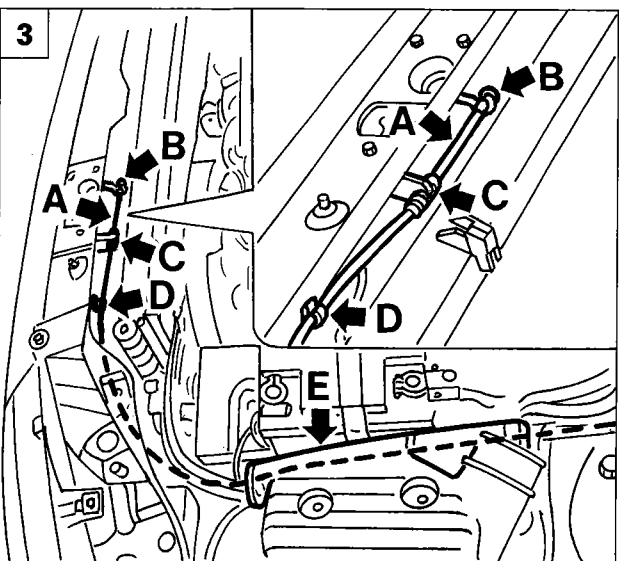


3. Disconnect the bonnet lid opening cable (A) from the fixing housings (B) and (C) and from the retaining spring (D). Open the cables passage (E) and release the opening cable.
4. Working under the steering wheel, remove the cap (A) from the bonnet lid opening lever (B), then release the end of the opening cable (C) from the housing (D). Release the fixing housing (E) for the opening cable from the housing (F) in the bodysell.

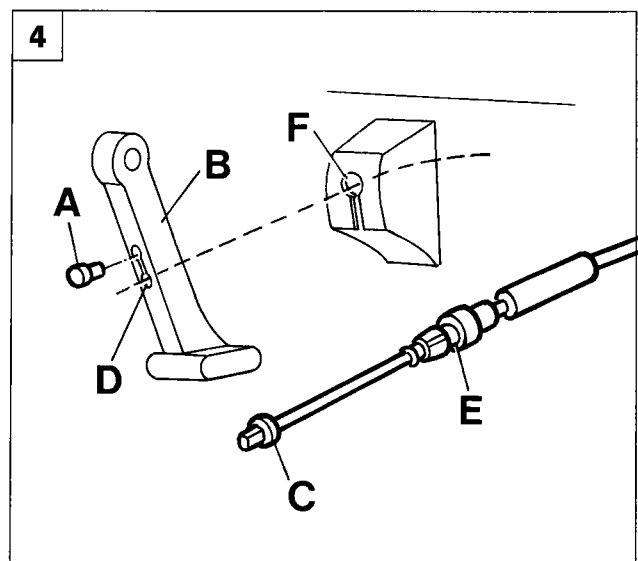


Fix the opening cable to a sensor to facilitatethe subsequent refitting through the bulkhead. Release and remove then bonnet lid opening cable.

NOTE *To refit, simply reverse the order of the operations carried out for the removal.*

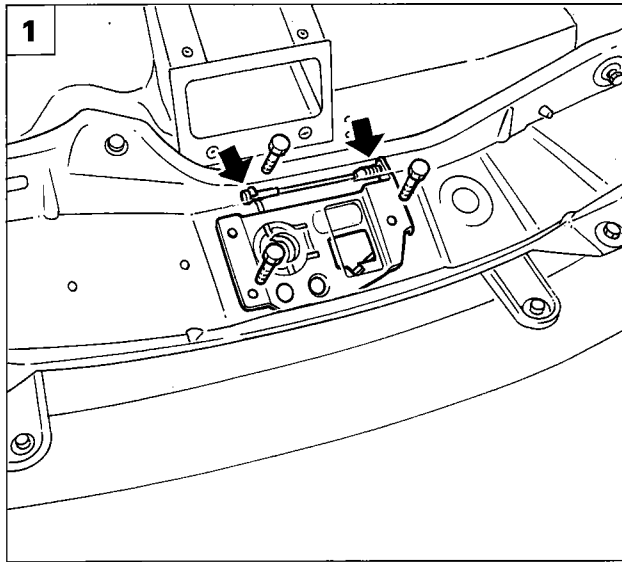


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P4F018M04





P4F019M01



REMOVING-REFITTING BONNET LID LOCK STRIKER

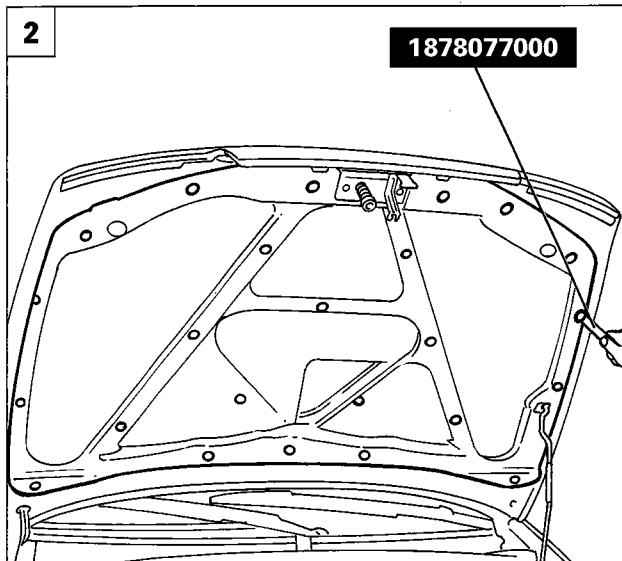


1. Disconnect bonnet lid opening rod, then remove the striker acting on the fixing bolts.

NOTE To refit simply reverse the order of the operations carried out for the removal.

REMOVING-REFITTING WINDSCREEN WASHER PIPES

2. Using tool 1878077000, remove the fixing buttons and remove the bonnet lid sound-proofing lining.



P4F019M02



3. Remove the windscreen washer pipes, releasing them from the bonnet lid after having removed the bands and disconnected them from the jets.

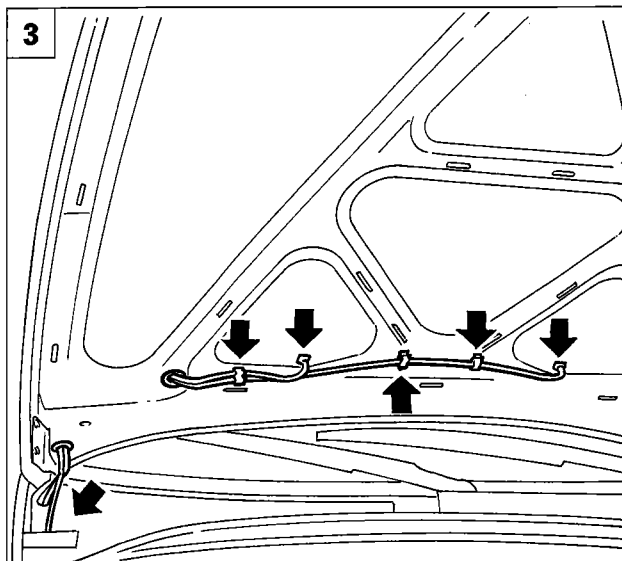


NOTE To refit simply reverse the order of the operations carried out for the removal.

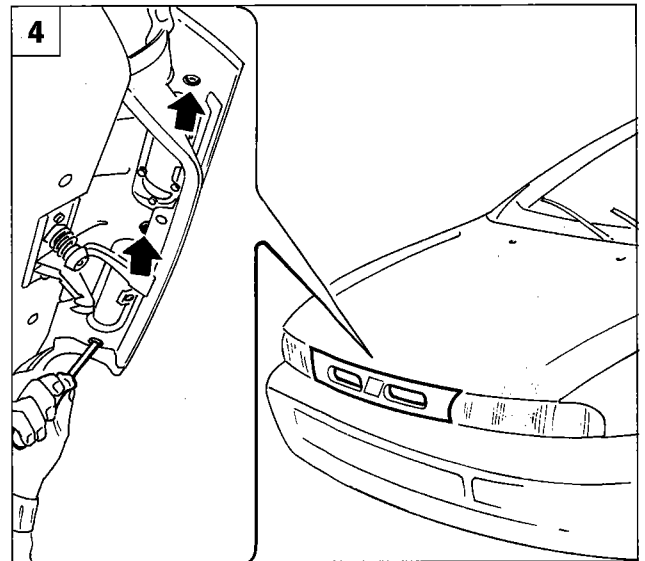
REMOVING-REFITTING FRONT GRILLE

4. Raise the bonnet lid, then remove the front grille undoing the fixing nuts shown in the diagram;

NOTE To refit simply reverse the order of the operations carried out for the removal.

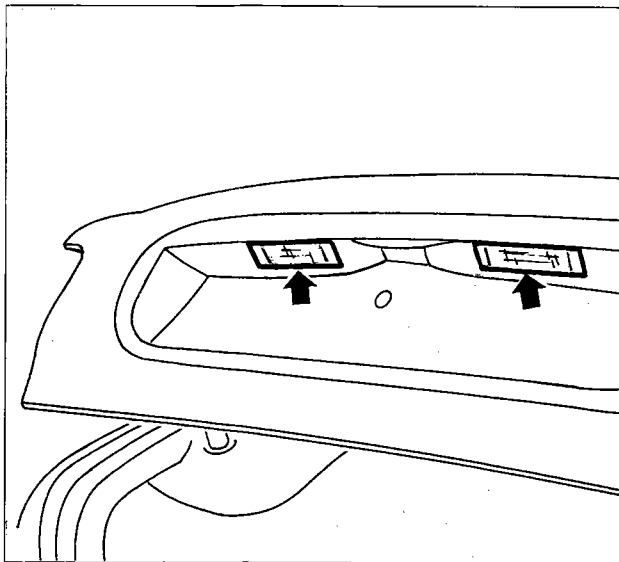


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P4F019M04

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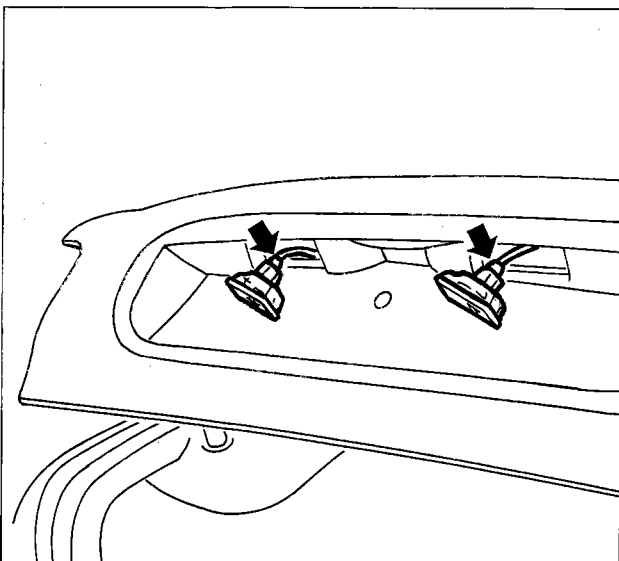


P4F020M01



REMOVING-REFITTING BOOT LID

- Using a screwdriver, remove the rear no. plate lights.



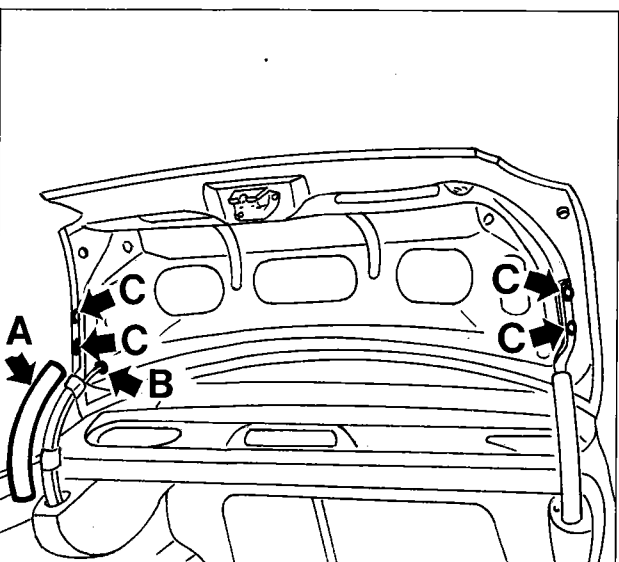
P4F020M02



- Disconnect the connectors and recover the number plate lights.



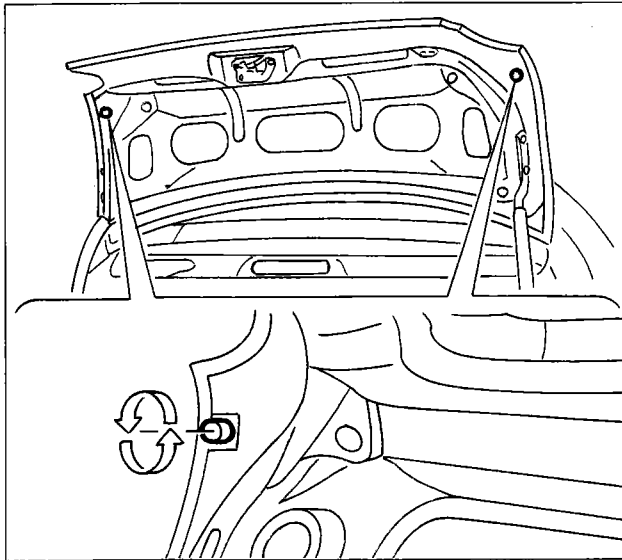
Connect the ends of the no. plate light cables to some sensors in order to facilitate the subsequent refitting to the inside of the cover.



P4F020M03



- Release the protection (A), then remove the wiring from the aperture (B).
- Undo the bolts (C) and remove the cover.



P4F021 M01



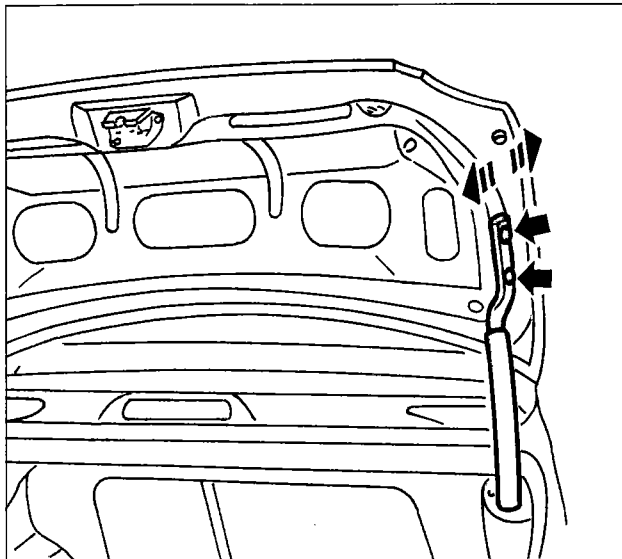
ADJUSTMENTS

Adjusting position of boot lid buffers

- Rotate the rubber buffers at the end of the boot lid.



If the buffers are incorrectly adjusted this would involve a force on the lid or a clearance for the closing mechanism, causing damage to the lid itself.



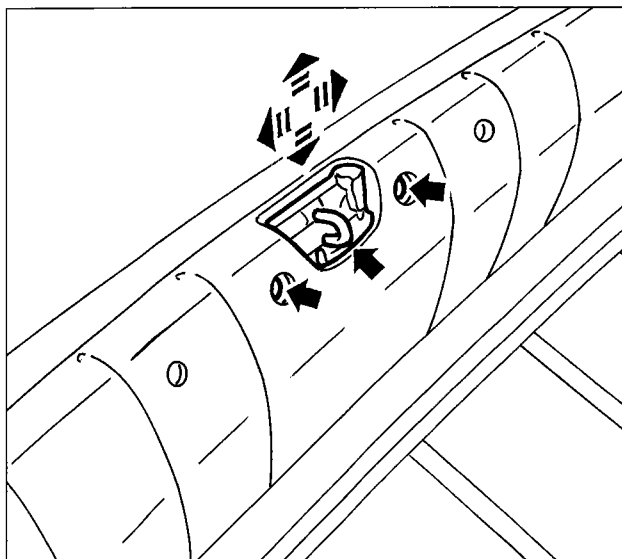
P4F021 M02



Adjusting vertical position of boot lid

- Loosen the bolts fixing the lid and adjust its position.

NOTE *The arrows indicate the possible movements for the adjustment. If necessary,, it is possible to carry out a further adjustment of the position of the hinge unit (A); see the special paragraph on this subject.*



P4F021 M03

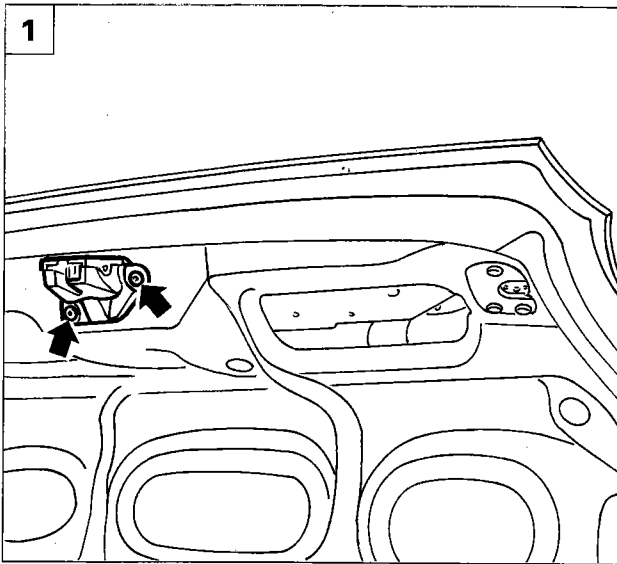


Adjusting position of boot lid lock striker

- Loosen the bolts fixing the striker and adjust the position.

NOTE *The arrows indicate the possible movements for the adjustment.*

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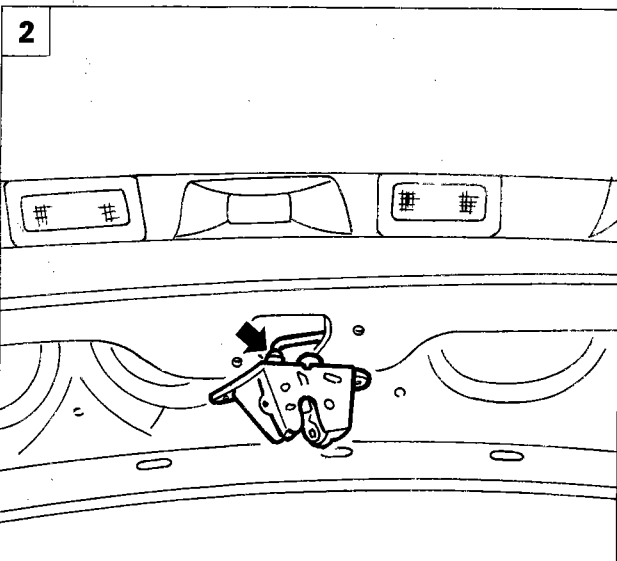
P4F022M01



REMOVING-REFITTING BOOT LID LOCK

1. Open the boot lid and undo the bolts fixing the lock shown by the arrows.
2. Remove the lock releasing the rod joined with the lock barrel.

NOTE To refit simply reverse the order of the operations carried out for the removal.



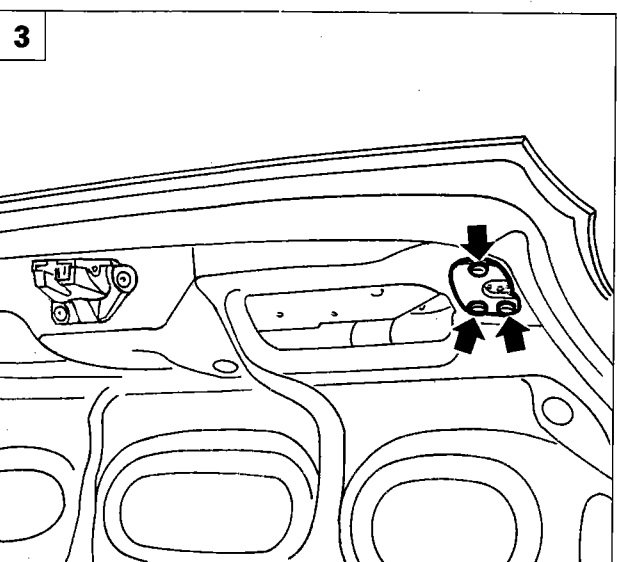
P4F022M02



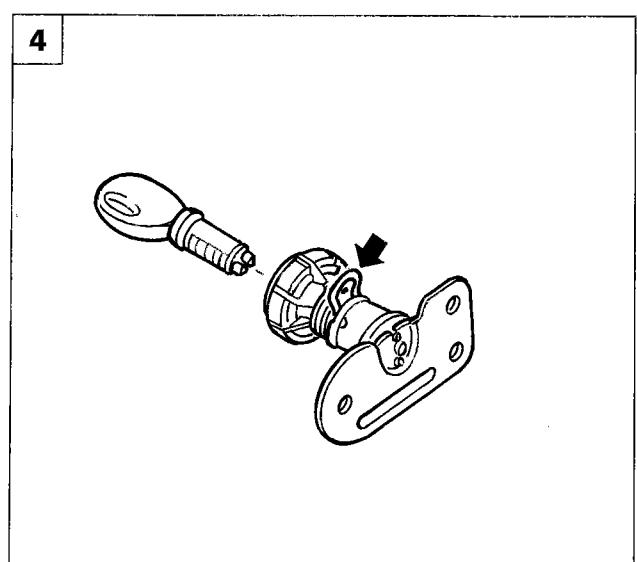
REPLACING LOCK BARREL

3. Loosen the fixing bolts shown, then remove the barrel from the lock, disconnecting the joining rod.
4. Insert the key in the barrel, lift up the retaining spring, shown by the arrow, then extract the barrel and replace it.

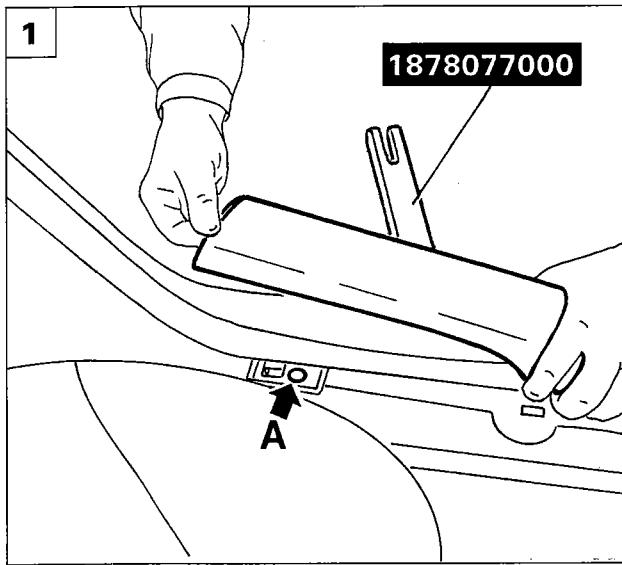
NOTE To refit simply reverse the order of the operations carried out for the removal.



P4F022M03



P4F022M04

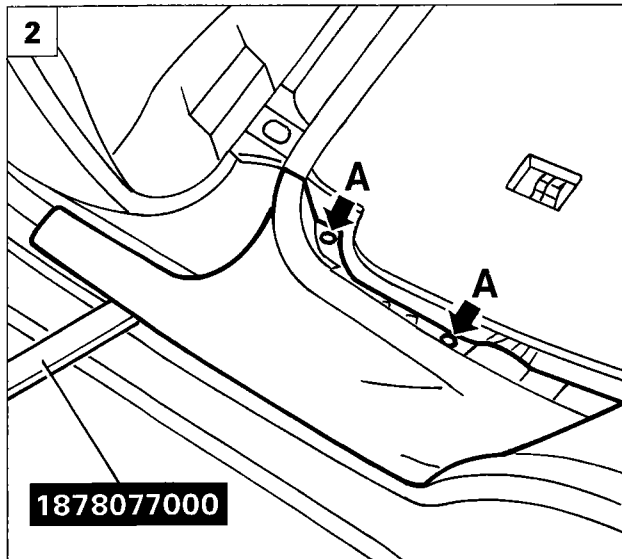


P4F023M01

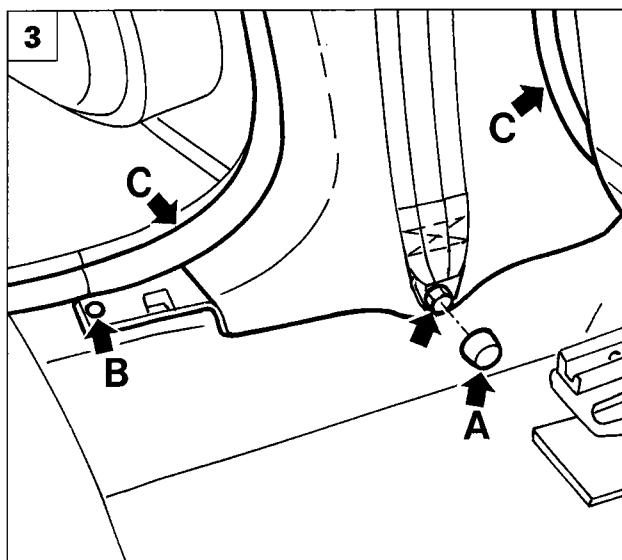


REMOVING-REFITTING BOOT LID OPENING CABLE

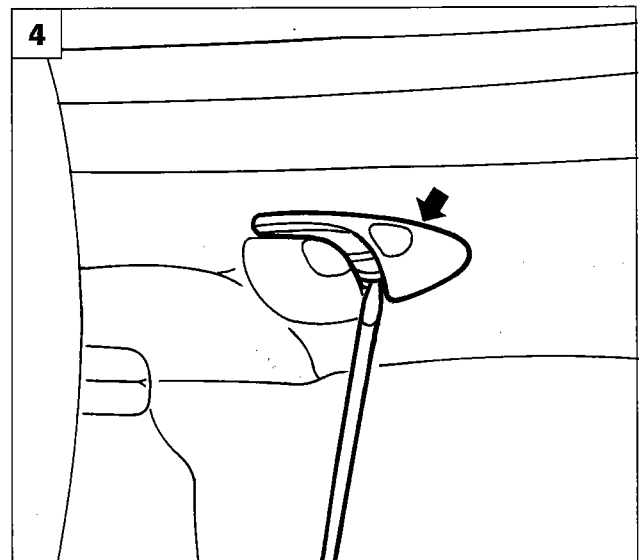
1. Undo the front bolt under the dashboard for the running board, using tool 1878077000 release and raise the front left running board; undo the bolt (A) fixing the pillar cover.
2. Fold over the rear seat cushion (if the cushion is fixed, remove it as described in the specific paragraph). Undo the bolts (A) fixing the left rear running board, then, using tool 1878077000, release it and remove it.
3. Release the fixing cover (A) and undo the bolt fixing the left front seat belt. Undo the bolt (B) fixing the pillar cover. Move the lower part of the pillar cover aside after having removed the door trims (C).
4. Using a screwdriver, release the lower re- tainer for the boot lid release knob, then remove the actual knob.



P4F023M02

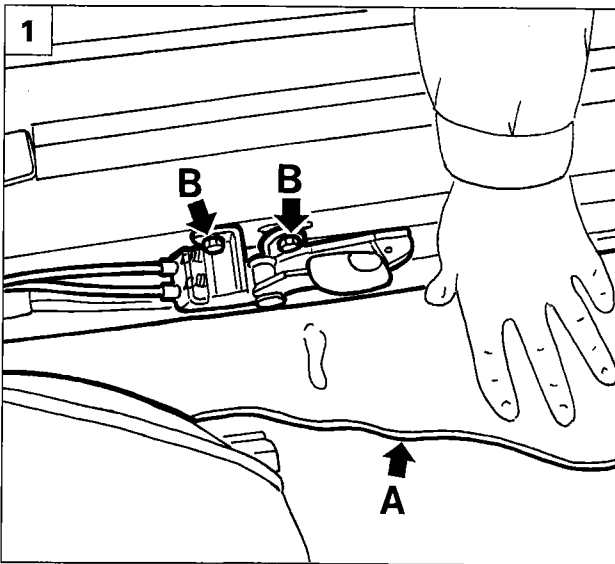


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P4F023M04

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P4F024M01



1. Move the carpet (A) aside and remove the boot lid/fuel filler flap opening levers assembly, after having undone the fixing bolts (B).

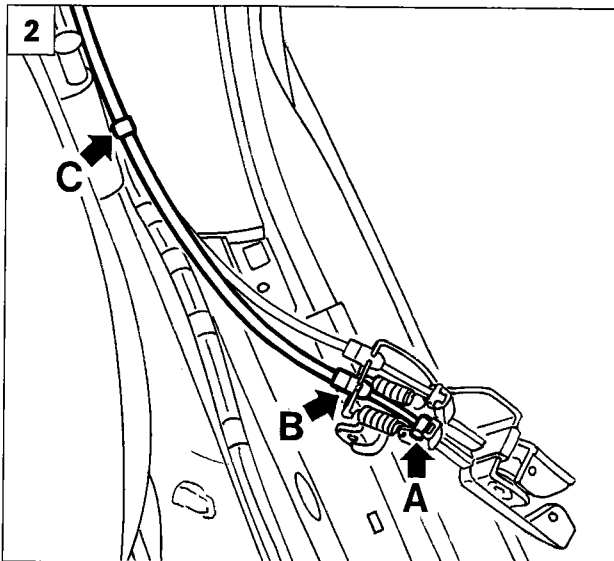
2. Disconnect the boot lid opening cable from the appropriate fixing (A), then from the retaining cable (B).

Disconnect the cable from the spring (C).

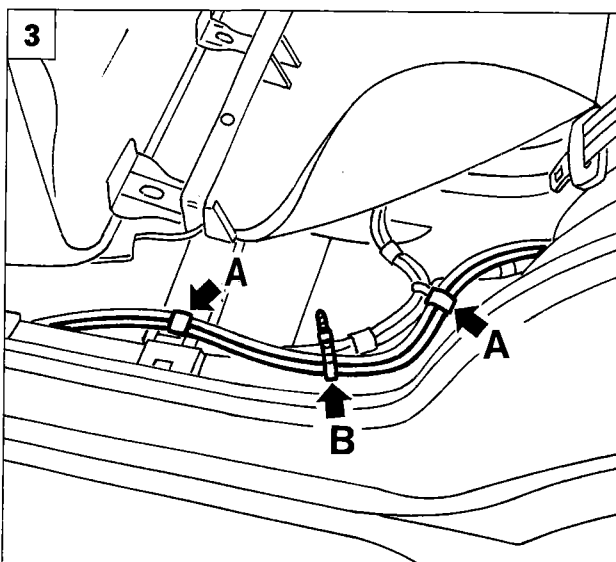
3. In the area of the rear seat, disconnect the cable from the springs (A) and from the band (B).

4. Remove the luggage compartment floor covering (A).

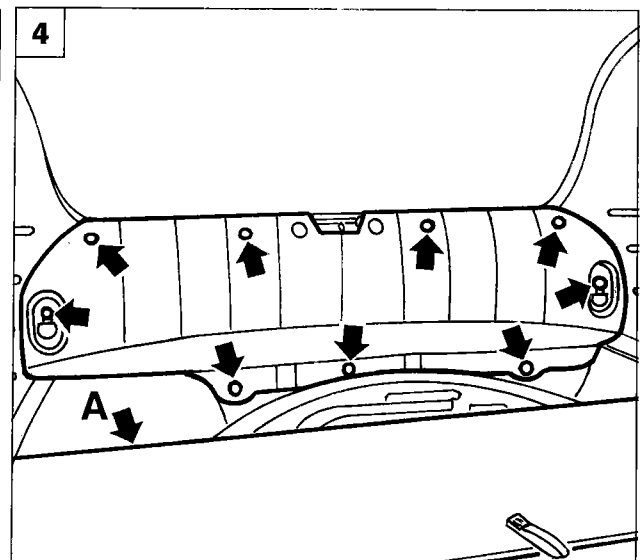
Undo the bolts fixing the rear luggage compartment protection, then remove the protection.



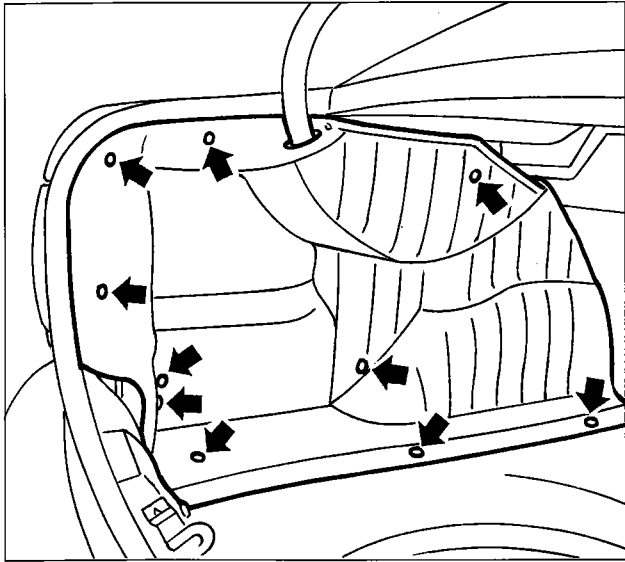
P4F024M02



P4F024M03



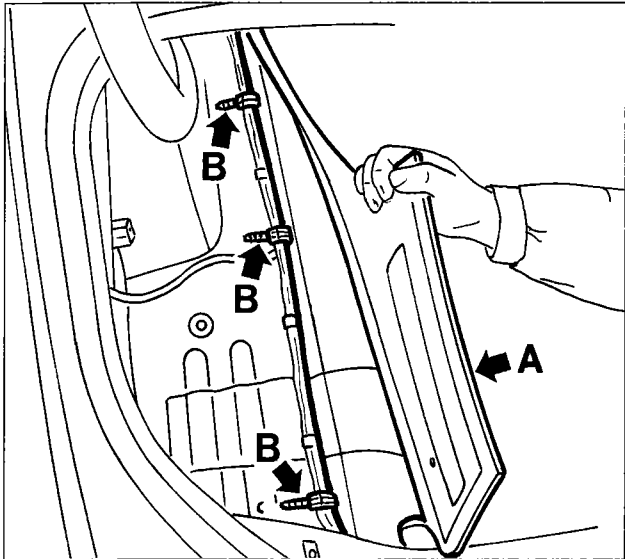
P4F024M04



P4F025M01



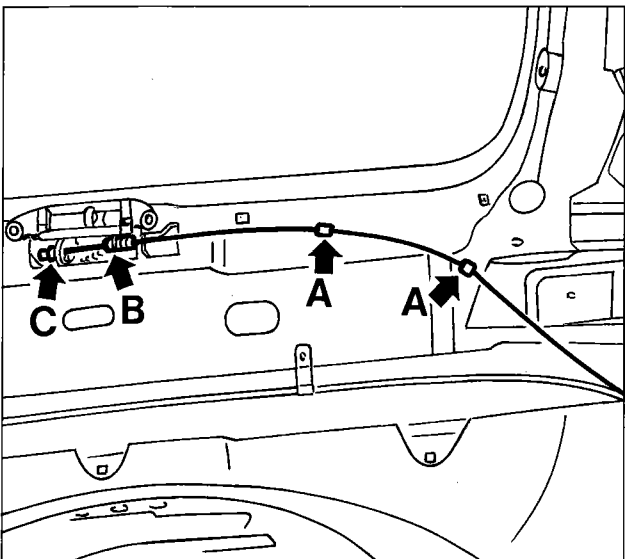
- Undo the fixing bolts and release the buttons for the luggage compartment left covering, then remove it.



P4F025M02



- Working on the left hand side of the luggage compartment, lift up the floor covering (A) and release the cable from the three bands (B).



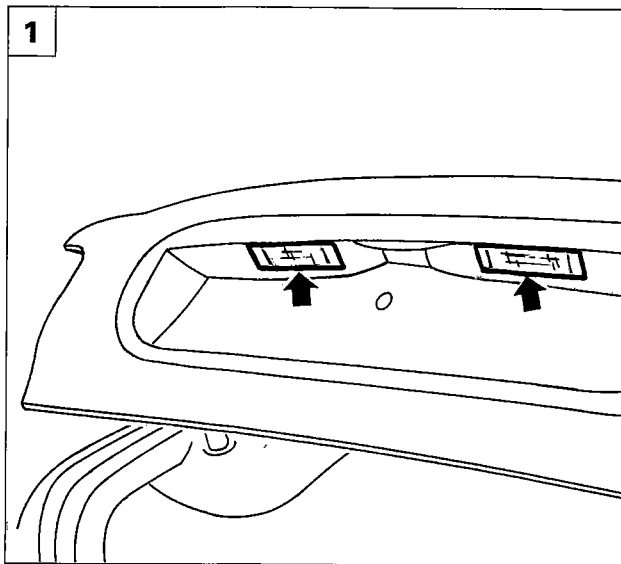
P4F025M03



- Release the cable from the two springs (A), then release it from the retainers (B and C) and remove it from the vehicle.

NOTE *To refit, simply reverse the order of the operations carried out for the removal.*

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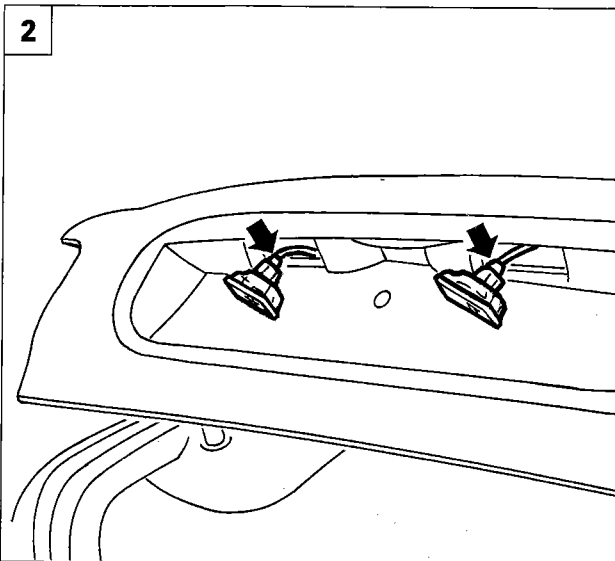


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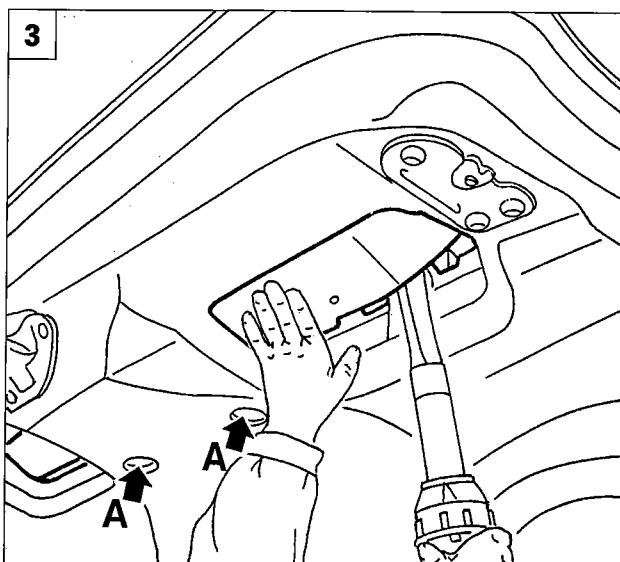


REMOVING-REFITTING REAR NUMBER PLATE HOLDER

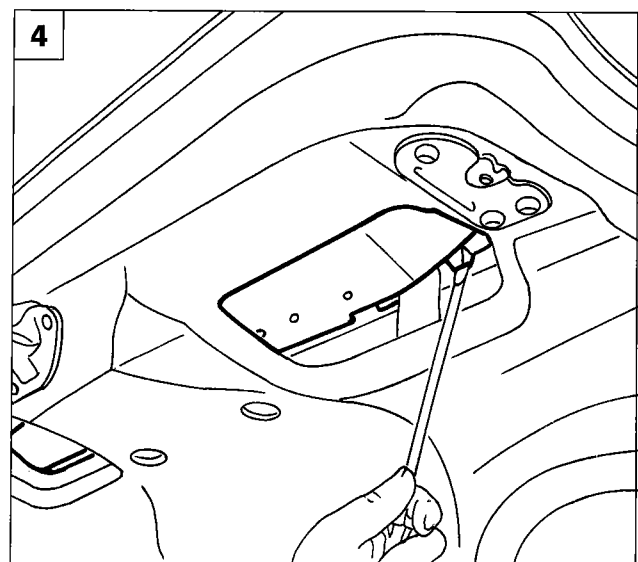
1. Using a screwdriver, remove the rear number plate lights.
2. Disconnect the connectors and recover the number plate lights.
3. Undo the two nuts fixing the number plate holder through the openings (A). Using a hot air jet, adjusted to 80°C, heat the entire perimeter of the number plate holder, working from the inside of the boot lid.
4. Release the retaining tabs for the number plate holder, then, pressing from inside the actual holder, remove it.



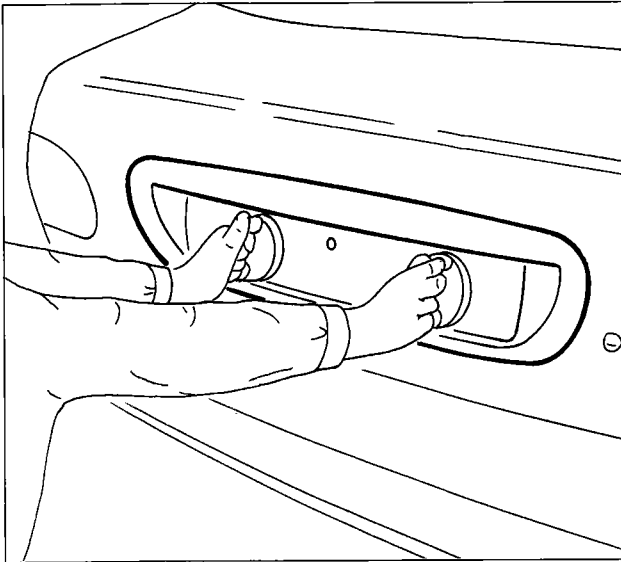
P4F020M02



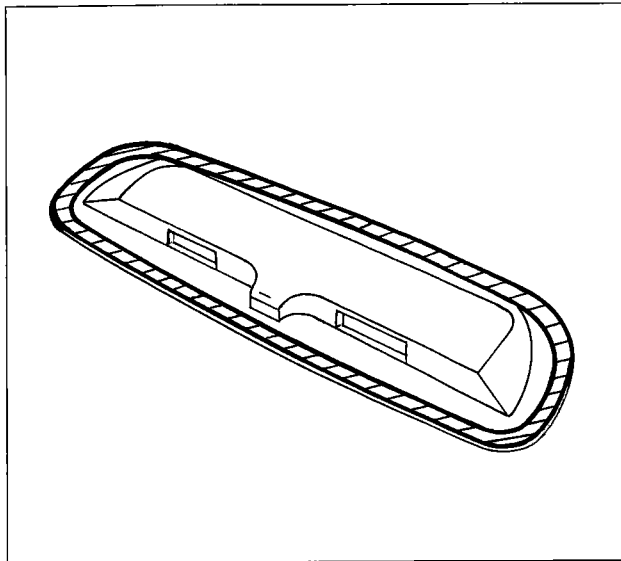
P4F026M01



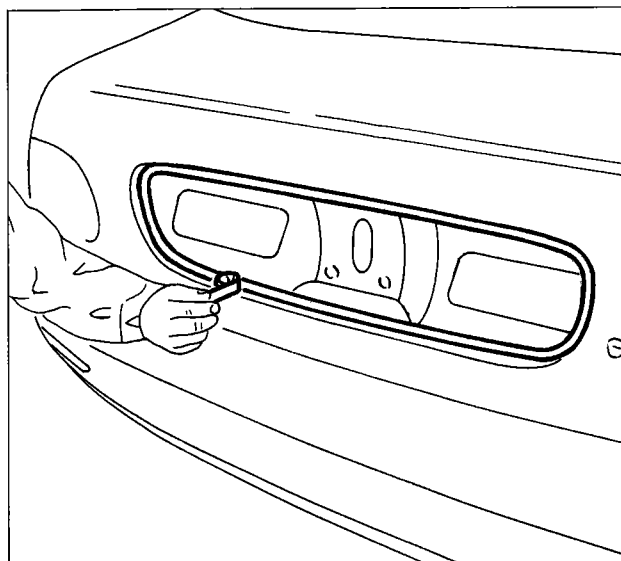
P4F026M02



P4F027M01



P4F027M02



P4F027M03

PREPARING THE SPARE PART

NOTE *If the number plate holder is being replaced, it is necessary to paint the outer surface of the replacement part.*
If the number plate holder is being reused, check carefully that it has not been distorted.

- Using the special suction pads, position the replacement part in place and check that the alignment with the boot lid is correct.

If the number plate holder which has been removed is being reused:

- Using a suitable blade, cut and level the sealant trying to reduce the thickness to a minimum. It is not necessary to completely remove the remaining sealant. Take care not to damage the number plate holder.

If a new number plate holder is being used:

- Thoroughly clean the housing of the sealant with an air jet and degrease fully with heptane.
- Apply the adhesion promoter (primer), using the pad which comes with the kit, to the perimeter where the sealant is applied.
- Wait for 15 minutes before proceeding with the operations in order to allow the evaporation of the adhesion promoter (primer) diluent.

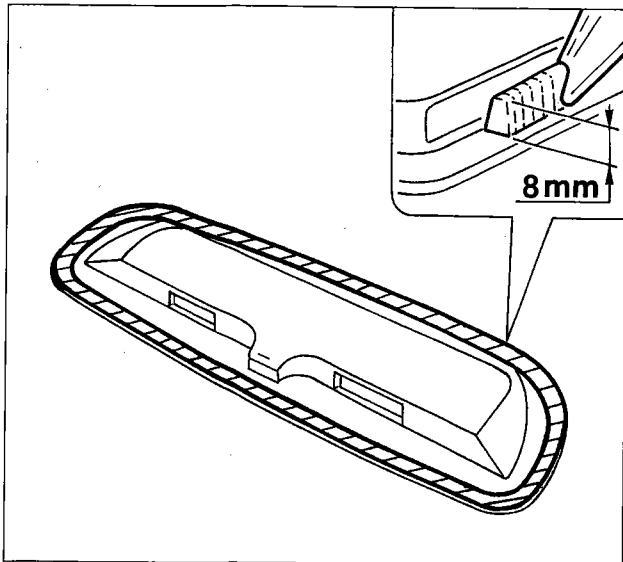
Preparing the boot lid

- Using a suitable blade, cut and level the sealant in the number plate holder housing in the boot lid.



Whilst leveling the sealant, it is necessary to take special care not to damage the body paintwork.

- Thoroughly clean and degrease the housing for the number plate holder in the boot lid, using a wad of paper soaked in heptane.



P4F028M01



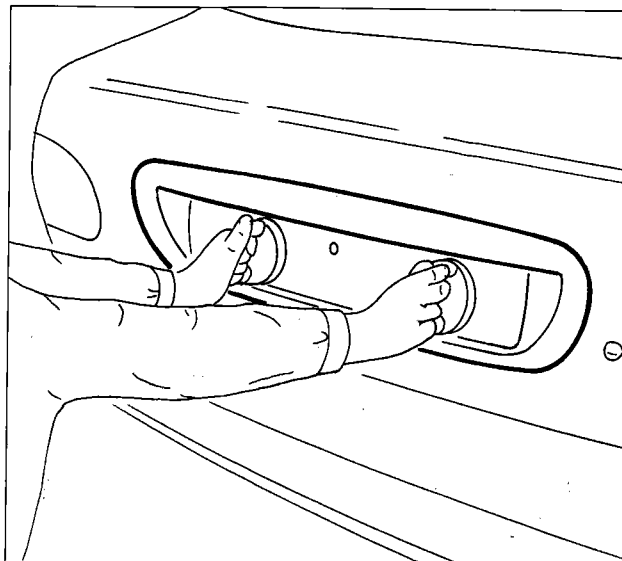
Refitting

- using a spray gun, apply the SP3 (SPECIAL ENGINES) silicon sealant or (MASCHERPA) EMAX 160 or an equivalent product, to the number plate holder contact surface, starting from the lower part, as illustrated in the diagram;

NOTE *Cut the plastic nozzle in order to apply the sealant so that the correct amount of sealant as shown in the inset comes out.*



Neither too much nor too little sealant should be applied and it should be even; also, the end section should join up with the beginning thereby forming a seal; any irregularities should be corrected as appropriate.



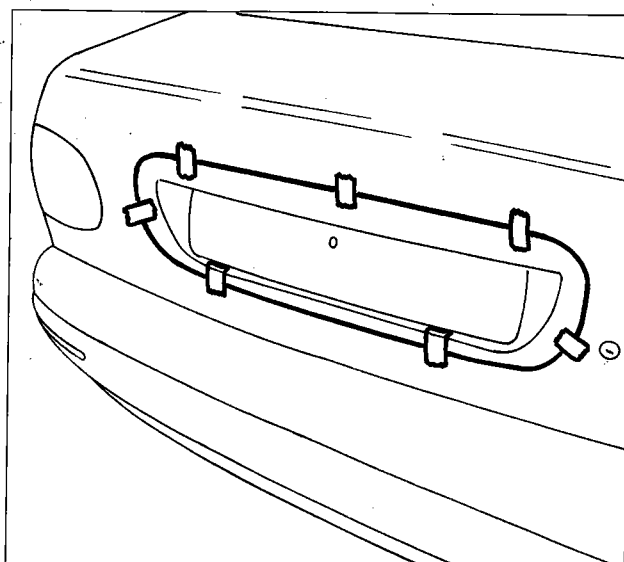
P4F027M01



- Using the special suction pads, position the number plate holder in its housing in the boot lid;
- Work from inside the luggage compartment on the number plate holder retaining tabs to ensure the correct fitting.



The number plate holder must be positioned within 5 minutes after applying the sealant.



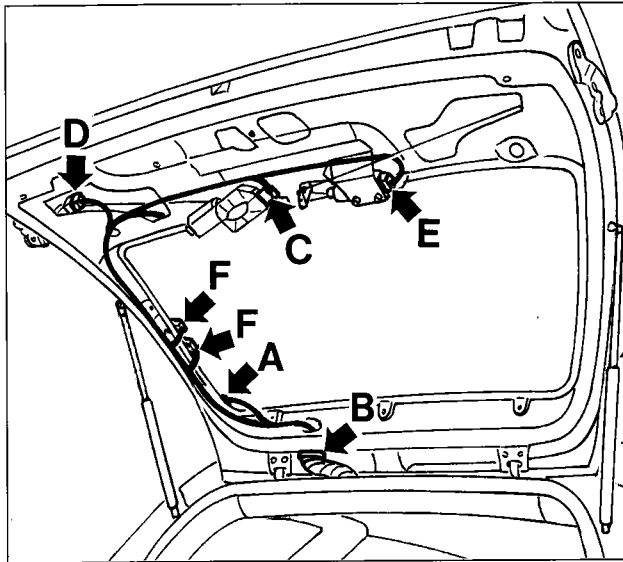
P4F028M02



- keep the number plate holder in position in its housing, as shown in the diagram, until the sealant has hardened.



It is necessary to wait for at least 3 hours before the vehicle can be moved around the workshop as normal.



P4F029M01



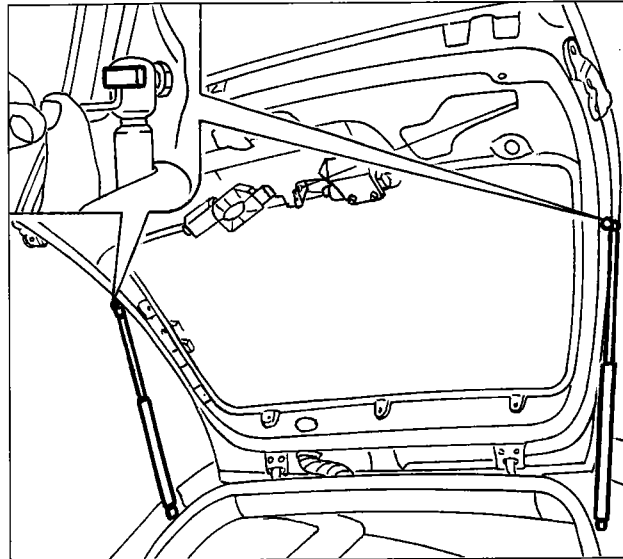
REMOVING-REFITTING REAR TAILGATE

- Remove the interior fittings and the number plate holder lights, following the instructions in the specific paragraphs.
- Disconnect the connector (A) for the rearscreen washer pipe.
- Remove the protective outer casing (B).
- Disconnect the connectors (C, D, E, F).



Where necessary, fix the cables and connect them to a sensor in order to facilitate the subsequent refitting inside the tailgate.

- Working carefully, remove the cables from the tailgate.



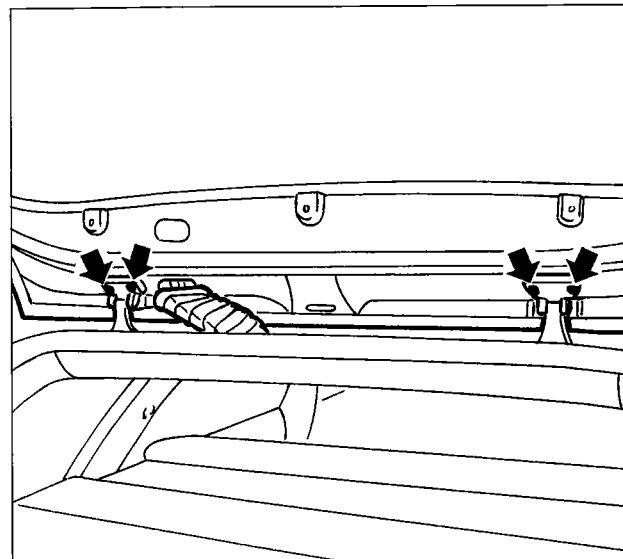
P4F029M02



- Working as illustrated in the detail in the diagram, release the retaining spring for the shock absorber stem; then remove the shock absorber stem from the pin on the tailgate.



Support the tailgate before continuing with the removal operations.



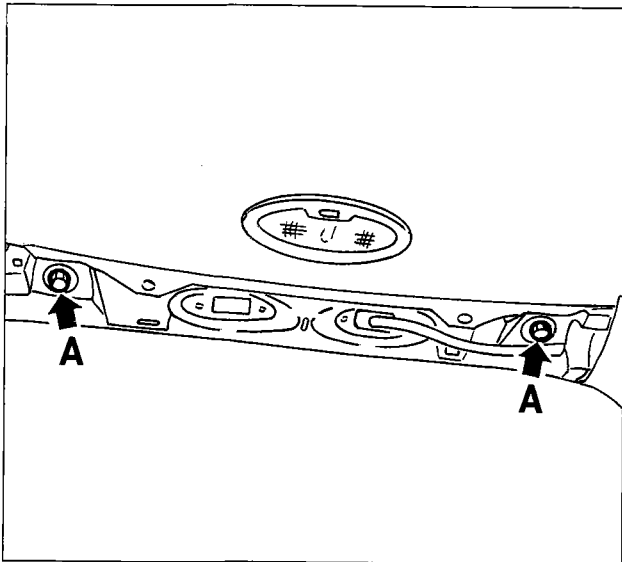
P4F029M03



- Undo the bolts fixing the hinges to the tailgate.
- Remove the tailgate from the vehicle, with the help of a second operator.

NOTE *To refit, simply reverse the order of the operations carried out for the removal.*

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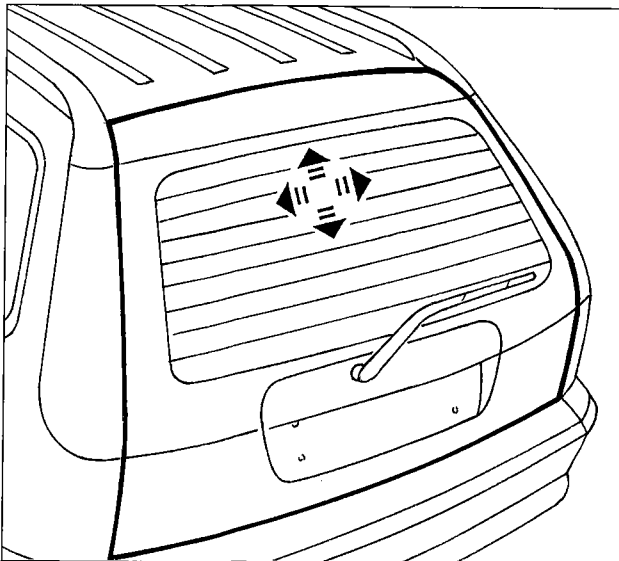


P4F030M01

ADJUSTMENTS

Adjusting position of tailgate

- Remove the upper panel for the tailgate working as described overleaf.
- Loosen the bolts fixing the hinges (A).

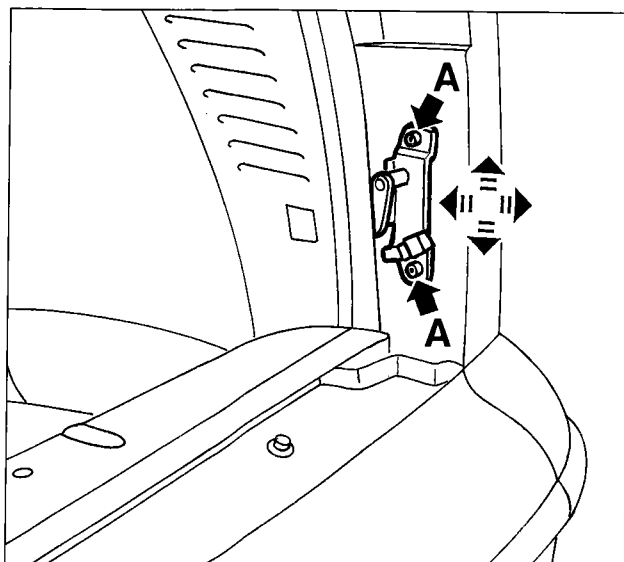


P4F030M02



- Adjust the position of the tailgate.

NOTE *The arrows indicate the possible movements for the adjustment.*



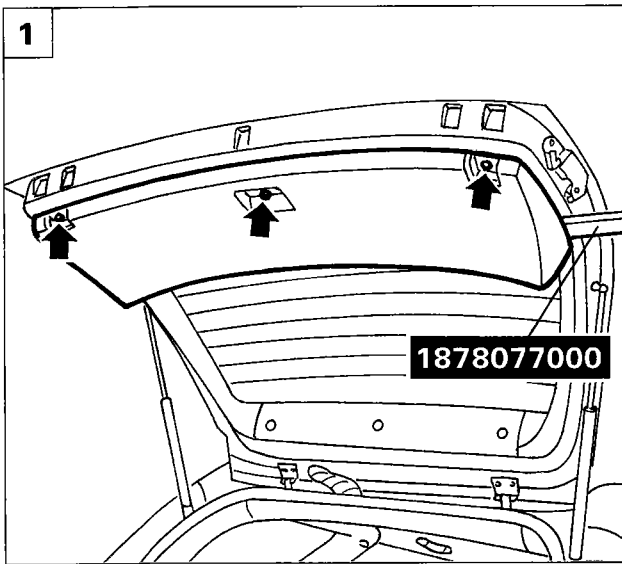
P4F030M03



Adjusting position of rear tailgate lock strikers

- Loosen the bolts (A) fixing the strikers and adjust their position.

NOTE *The arrows indicate the possible movements for the adjustment.*



P4F031M01



REMOVING-REFITTING TAILGATE INTERIOR FITTINGS

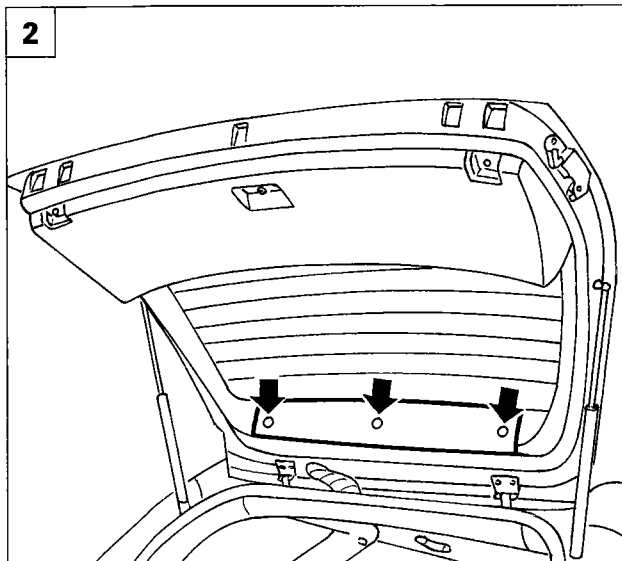


Lower panel

1. Open the rear tailgate and undo the bolts shown.
- Using tool 1878077000, separate the panel for the tailgate from the retaining springs.

Upper panel

2. Undo the bolts shown and move the upper panel slightly to one side.
3. Disconnect the connector from the 3rd brake light, then remove the upper panel.



P4F031M02

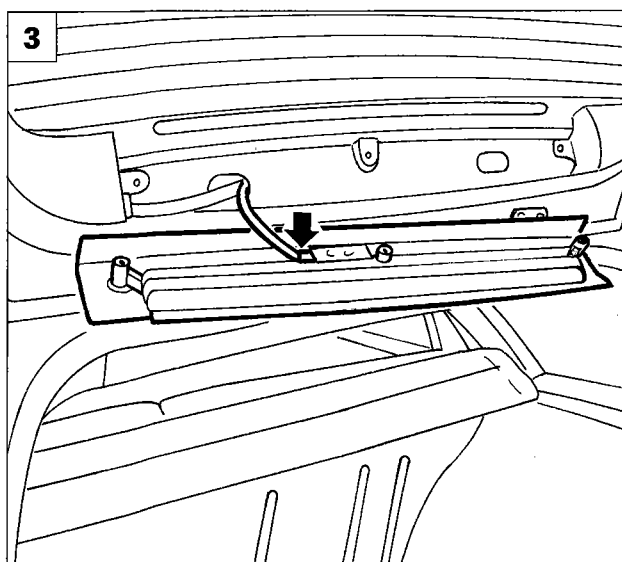


Dismantling-reassembling 3rd brake light from upper panel

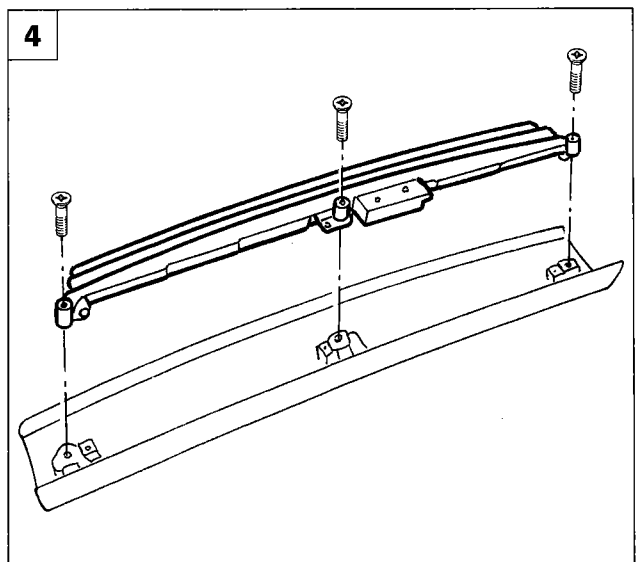


4. Undo the fixing bolts and remove the 3rd brake light.

NOTE *The bulbs for the 3rd brake light cannot be replaced.*

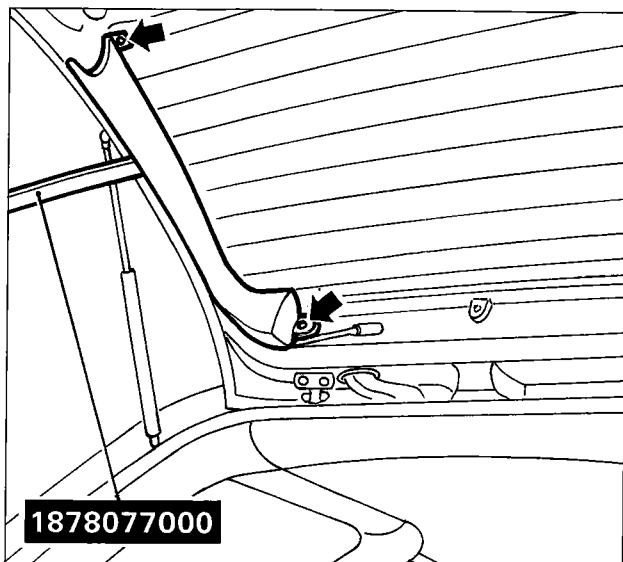


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P4F031M04

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1878077000

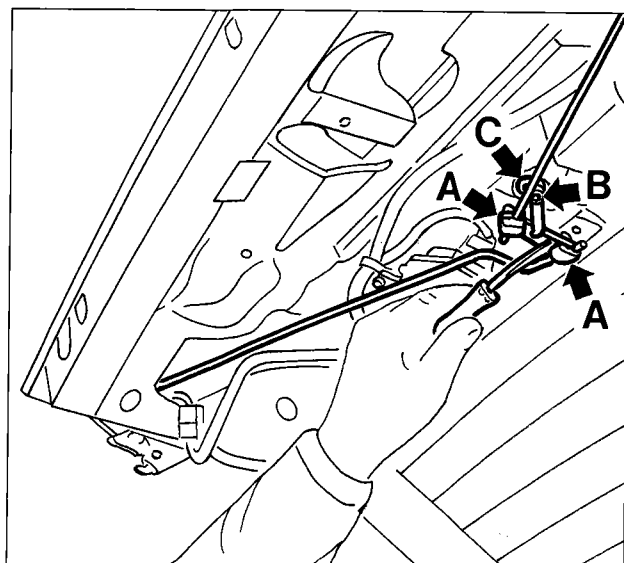
P4F032M01



Side panels

- Undo the bolts shown.
- Using tool 1878077000, separate the side panel from the retaining springs.

NOTE *To refit, simply reverse the order of the operations carried out for the removal.*

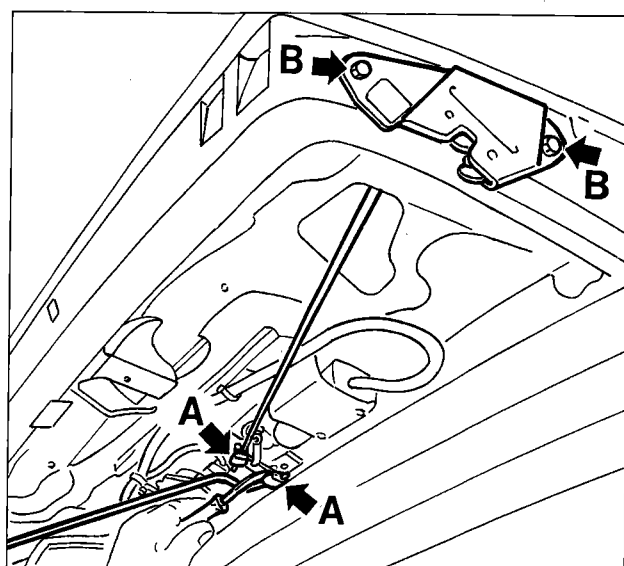


P4F032M02



REMOVING-REFITTING REAR TAILGATE LOCK IDLER

- Remove the lower tailgate panel as described on the previous page.
- Remove the central locking motor (see Group 55 - Electrical Equipment).
- Open the retainers (A) for the lock control rods.
- Undo the bolt (B) and remove the idler.
- Release the seal (C) from its housing.

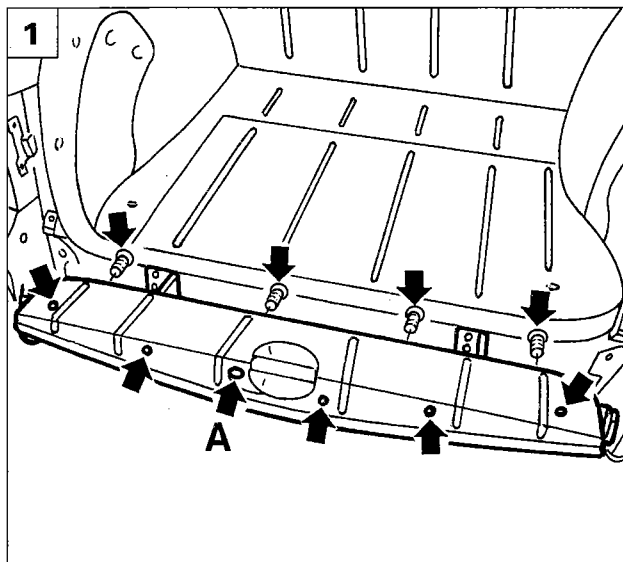


P4F032M03



REMOVING-REFITTING REAR TAILGATE LOCKS

- Remove the lower panel for the tailgate as described on the previous page.
- Open the retainer (A) for the lock control rod involved in the removal.
- Undo the bolts (B) and remove the lock with the rod.

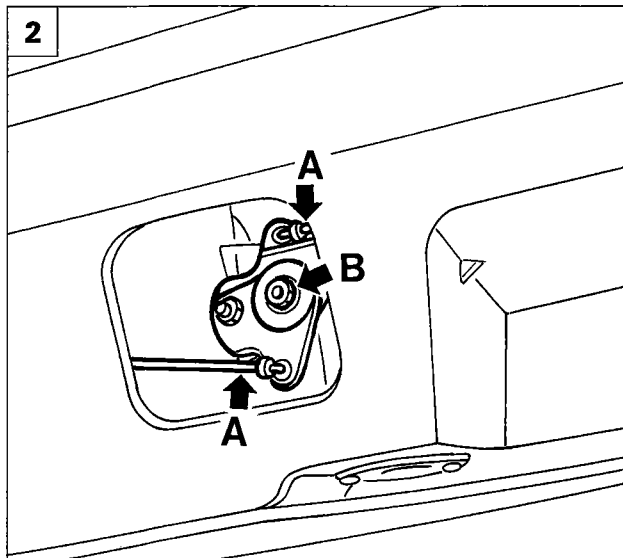


P4F033M01



REMOVING-REFITTING REAR BUMPER OPENING IDLER MECHANISM

1. Acting on the button (A), lower the bumper.
 - Undo the bolts shown and remove the cover.
2. Disconnect the two rods (A).
 - Undo the nut (B) and extract the rear bumper opening idler mechanism.

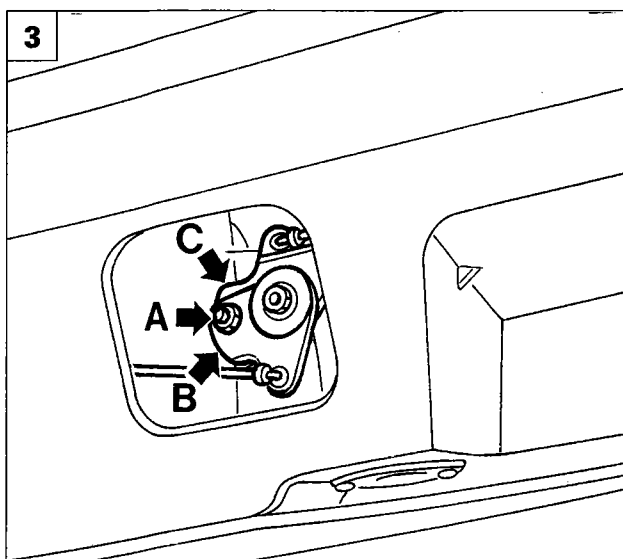


P4F033M02



Adjusting the rear bumper opening idler mechanism

3. Loosen the nut (A) then slide the lever (B) onto the lever (C) for adjusting the idler.
 - When the adjustment has been carried out, fully tighten the nut (A).

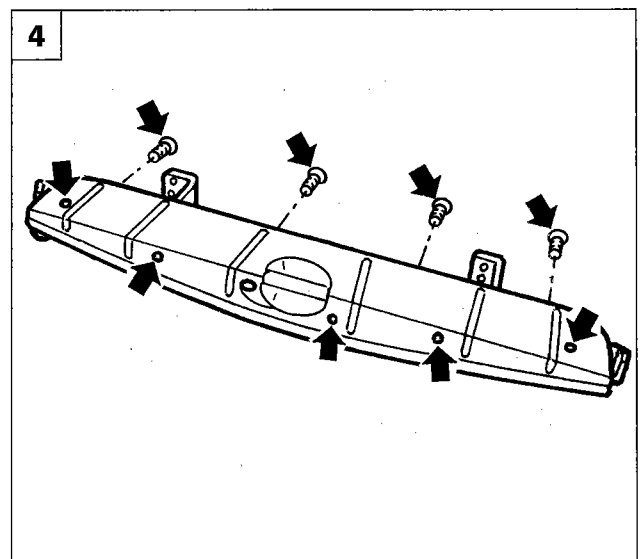


P4F033M03



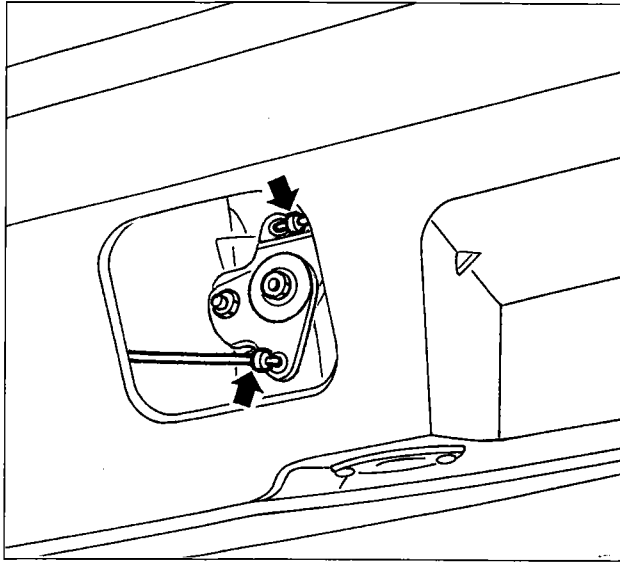
REMOVING-REFITTING FOLDING REAR BUMER LOCKS

- Remove the folding rear bumper as described on the previous page.
4. Undo the bolts shown and remove the cover.



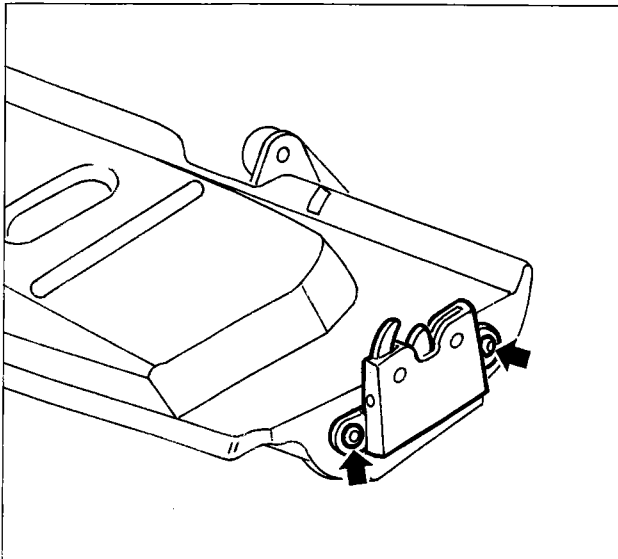
P4F033M04

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P4F034M01

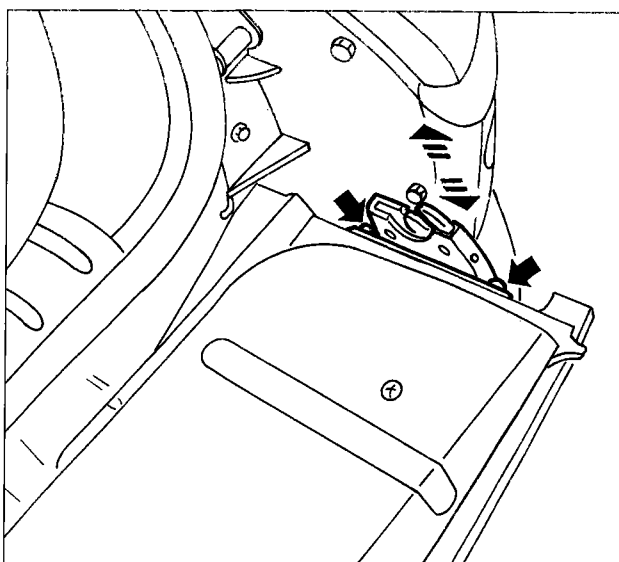
- Disconnect the rod concerned from the idler mechanism.
- Undo the bolts shown and remove the lock with the rod.



P4F034M02

Adjusting position of folding bumper lock

NOTE Carry out the adjustment with the folding bumper fitted on the vehicle.

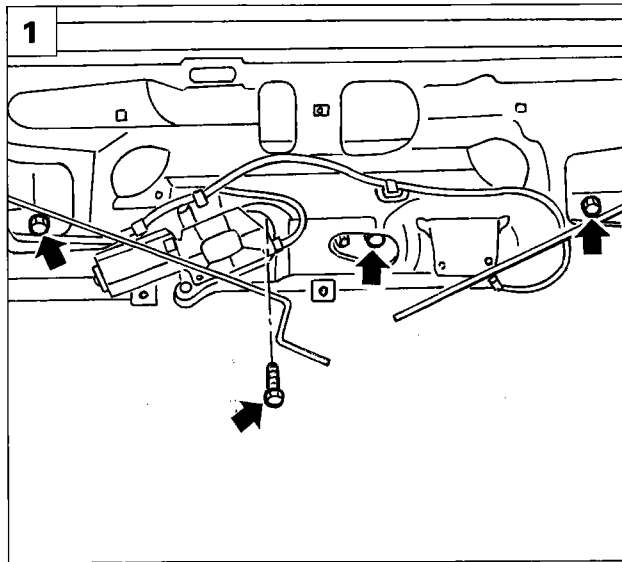


P4F034M03

- Loosen the bolts shown, then adjust the position of the lock.

NOTE The arrows indicate the possible movements for the adjustment.

- When the adjustment has been carried out, fully tighten the lock fixing bolts.



P4F035M01

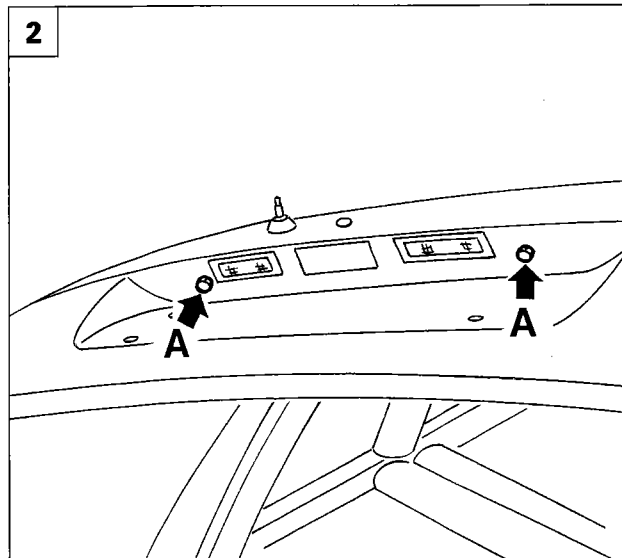


REMOVING-REFITTING NUMBER PLATE LIGHT HOLDER AND LOCK

- Remove the idler for the rear rear tailgate locks, following the instructions given on the previous pages.

1. Undo the bolts fixing the number plate light holder and lock.
2. Undo the outer bolts (A) and move the number plate light holder and lock assembly slightly.
3. Disconnect the connectors (A) and remove the number plate light holder and lock assembly.

NOTE To refit, simply reverse the order of the operations carried out for the removal.



P4F035M02

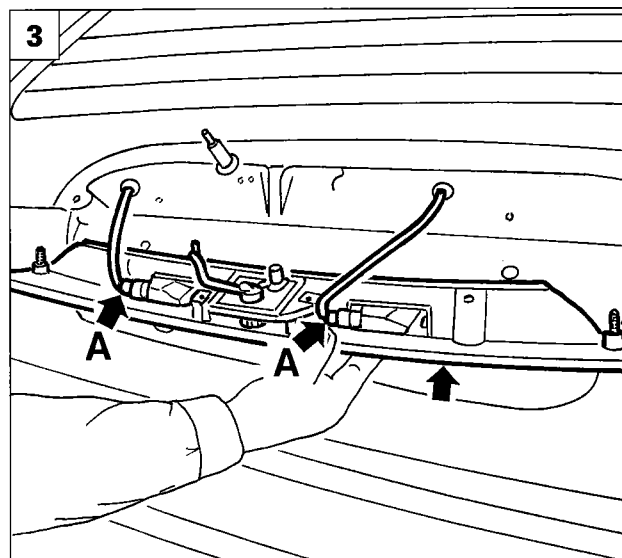


REPLACING REAR TAILGATE LOCK BARREL

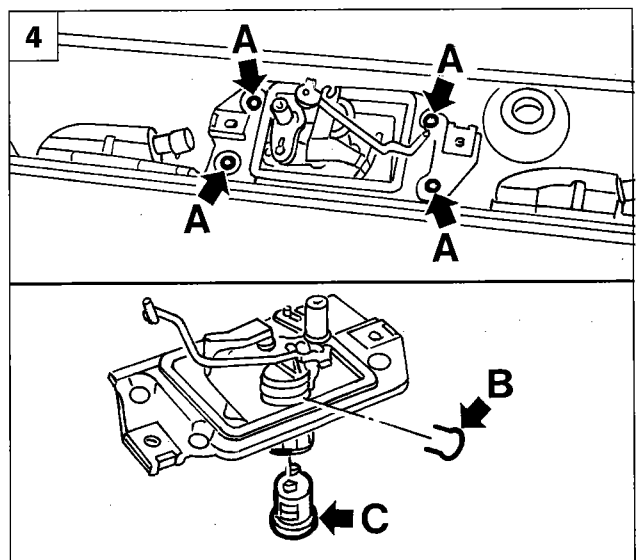
- Remove the number plate light holder and lock assembly, following the instructions given above.

4. Undo the bolts (A) and remove the lock assembly.
Using a screwdriver, extract the spring (B) and remove the lock barrel (C).

NOTE To refit, simply reverse the order of the operations carried out for the removal.



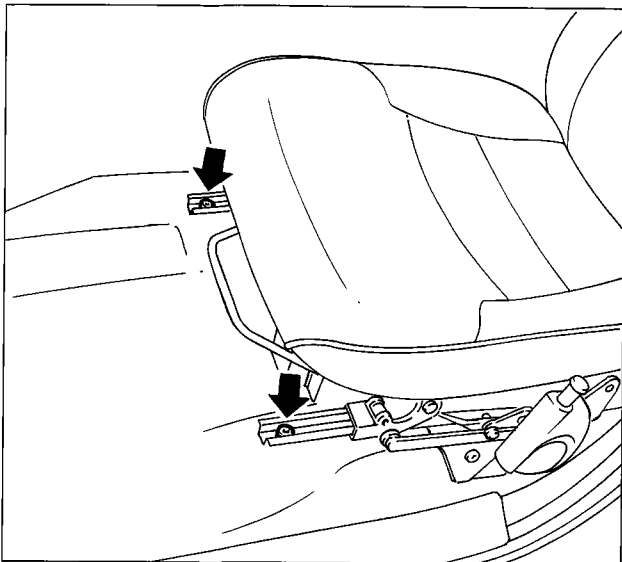
P4F035M03



P4F035M04



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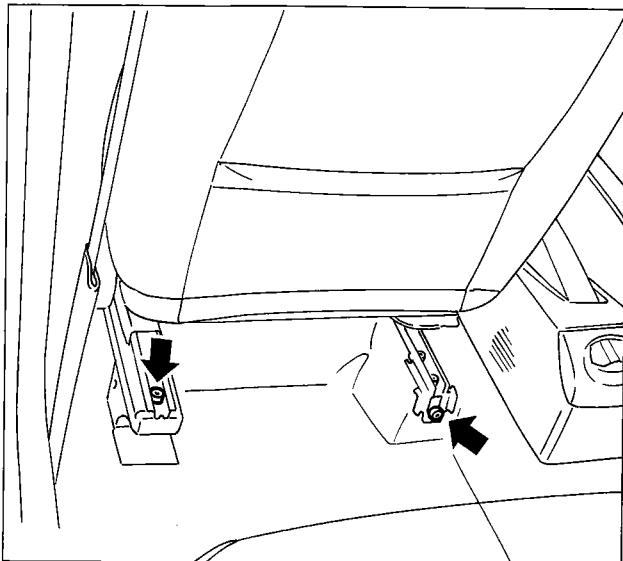
P4F036M01



REMOVING-REFITTING FRONT SEAT

Order of operations

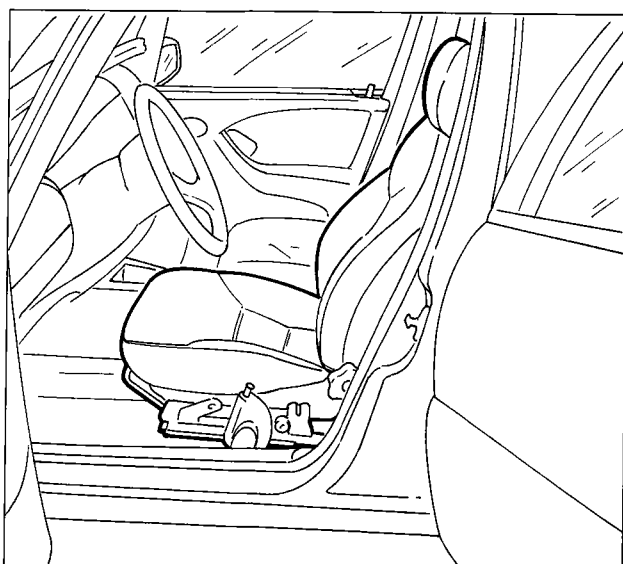
- Place the seat in the "completely backwards" end of travel position, then undo the bolts fixing the seat guides to the floor;



P4F036M02



- place the seat in the "completely forwards" end of travel position, then undo the bolts fixing the seat guides to the floor;

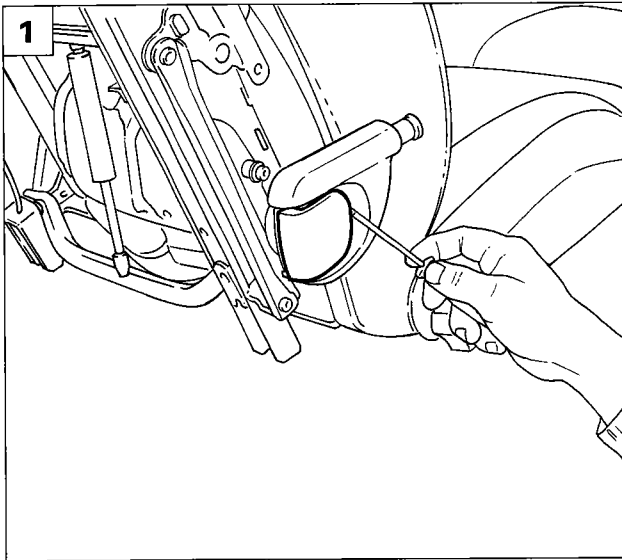


P4F036M03

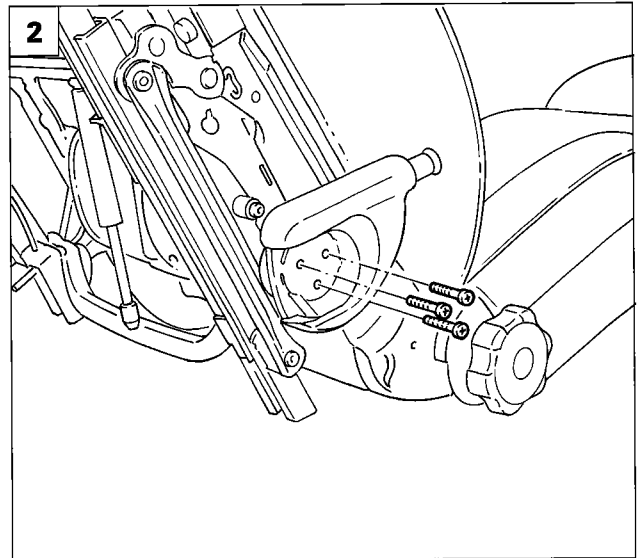


- remove the seat from the vehicle.

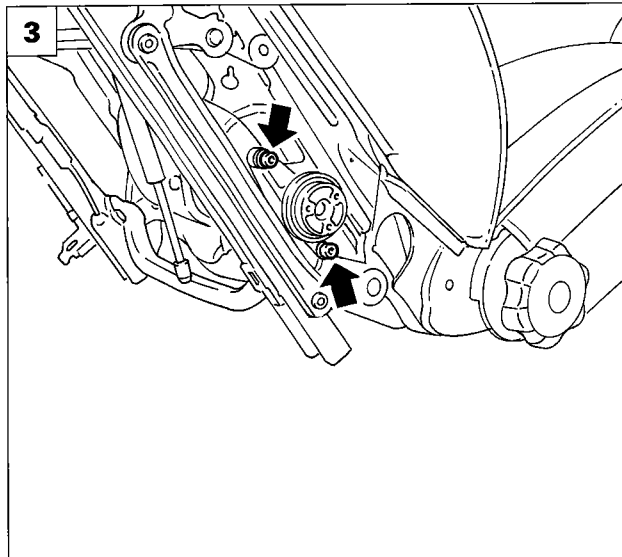
NOTE *To refit simply reverse the order of the operations carried out for the removal.*



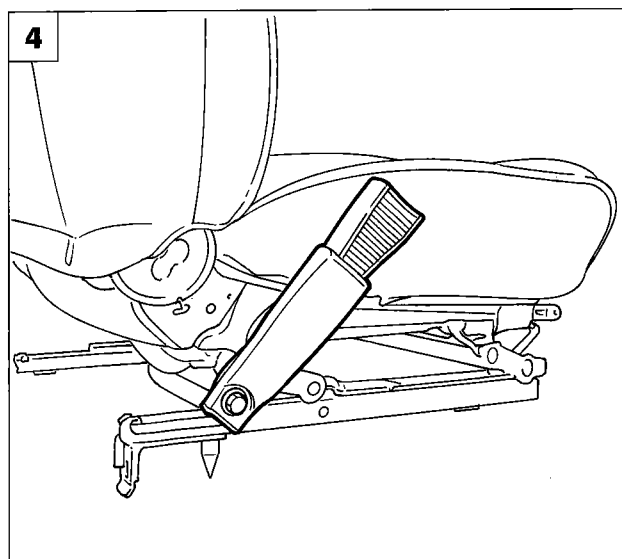
P4F39AM01



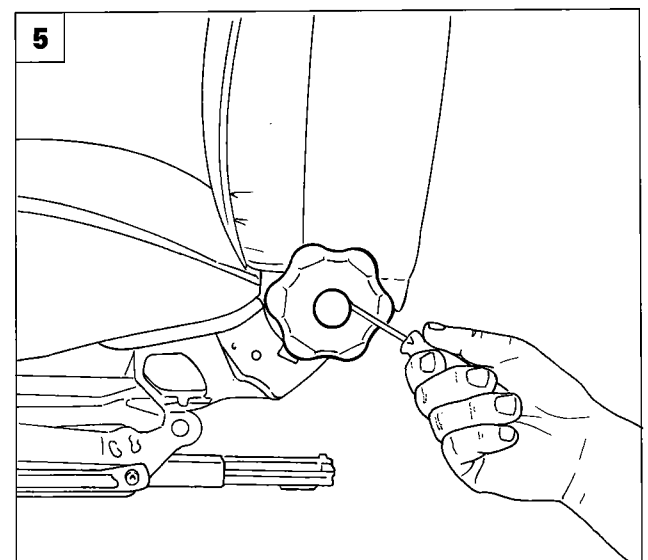
P4F39AM02



P4F39AM03



P4F39AM04



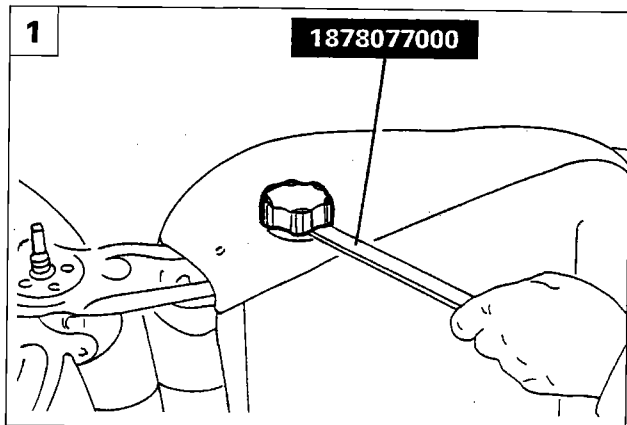
P4F39AM05

**DISMANTLING-REASSEMBLING
FRONT SEAT**

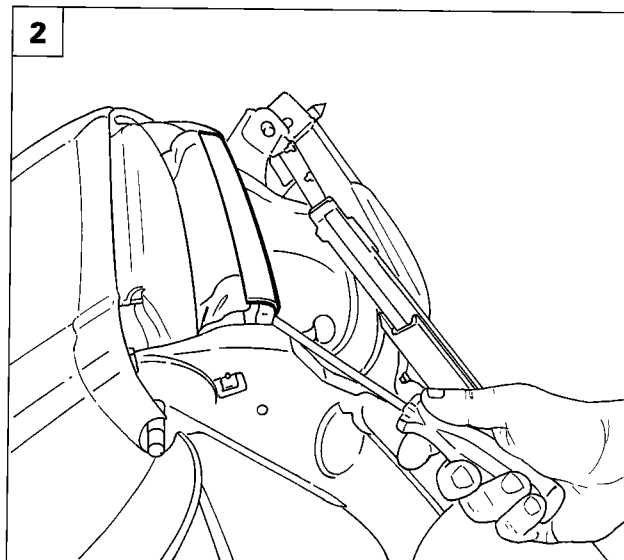


The seat is shown without the side trims; they should be removed after the adjustment lever and the seat belt attachment system have been removed.

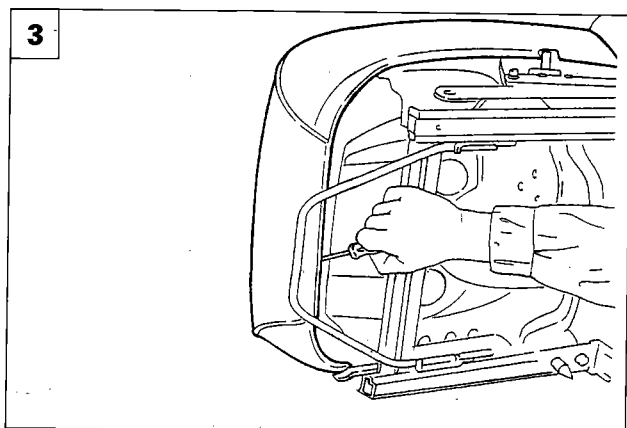
1. Remove the fixing cover for the vertical seat adjustment lever, acting on the retaining tabs.
2. Remove the vertical seat adjustment lever undoing the fixing bolts.
3. Remove the vertical seat adjustment unit undoing the fixing bolts.
4. Remove the attachment system for the seat belt undoing the fixing bolt.
5. Remove the backrest angle adjustment knob after having removed the fixing cap.



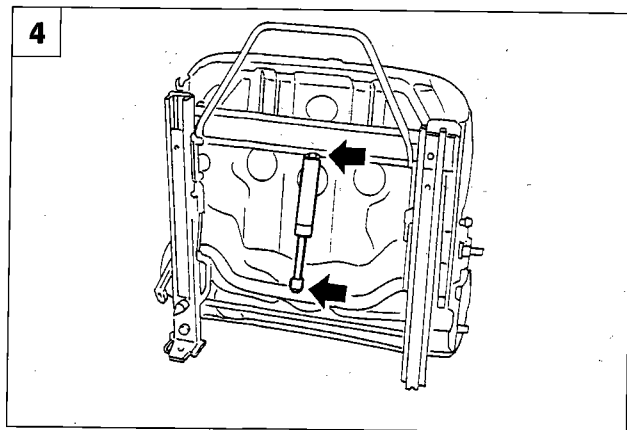
P4F40AM06



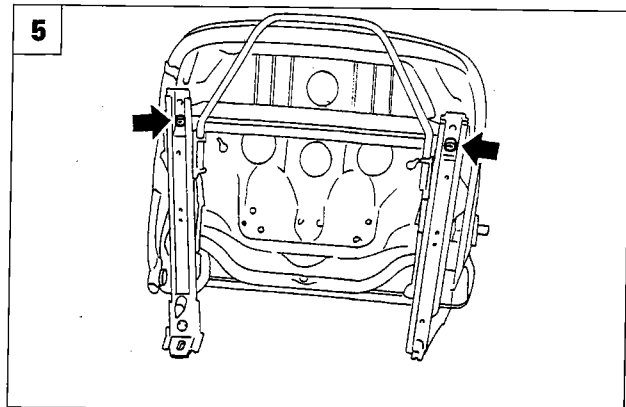
P4F40AM01



P4F40AM07

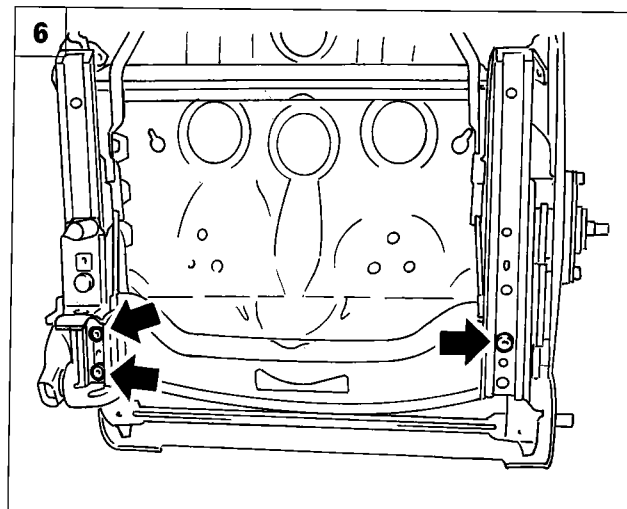


P4F40AM08

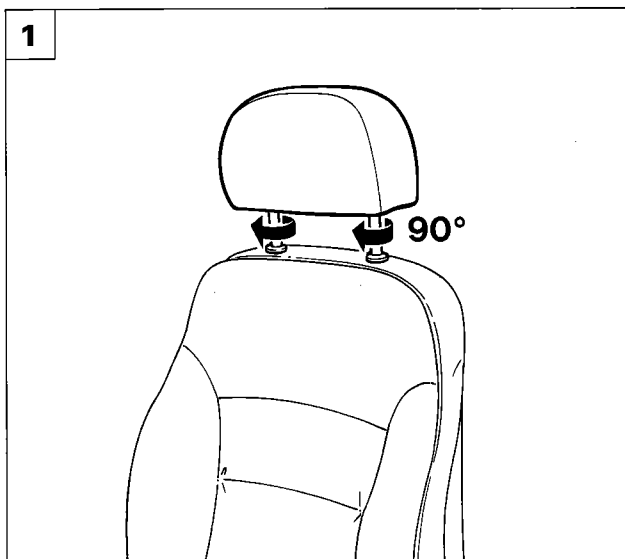


P4F40AM09

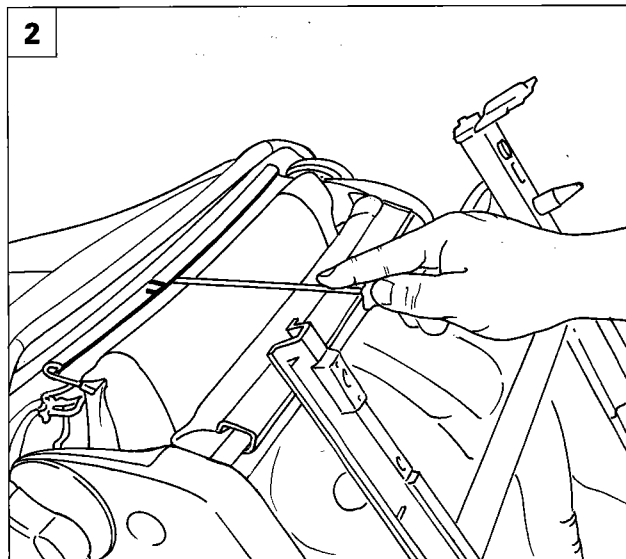
(▲) Only on the ELX version from chassis 0107413.



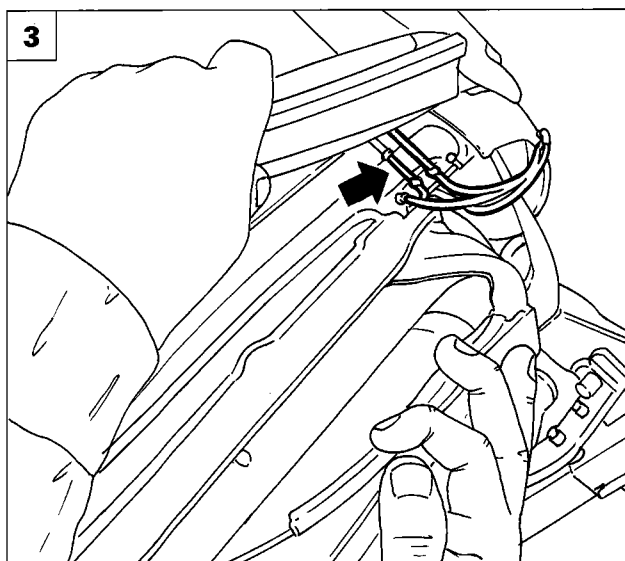
P4F40AM05



P4F41AM01



P4F41AM02

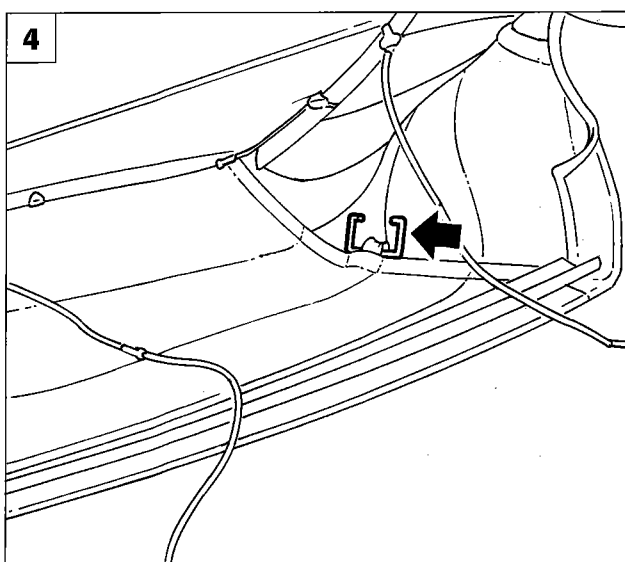


P4F41AM03

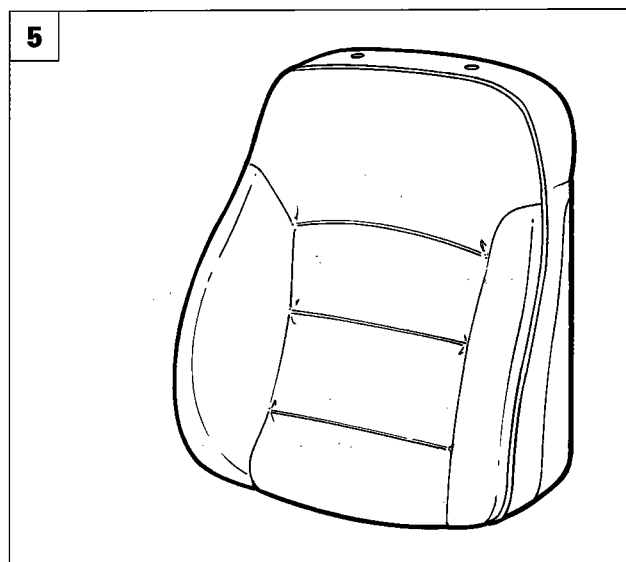


1. Lift up the head restraint, rotate the supports through 90° to allow the release of the pin then remove the head restraint from the backrest.
2. Remove the edge of the backrest covering from the attachment system.
3. Disconnect the tensioning rods from the seats.
4. Disconnect the hooks for the covering from the backrest frame.
5. Remove the backrest covering and upholstery from the seat frame.

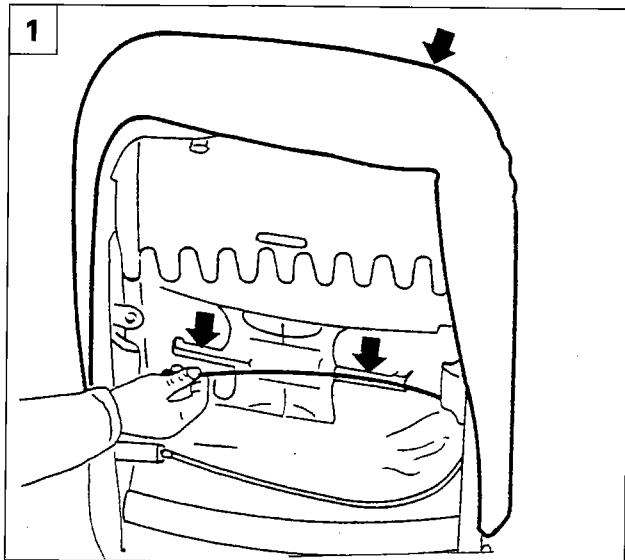
NOTE To refit, suitably reverse the order of the operations carried out for the removal.



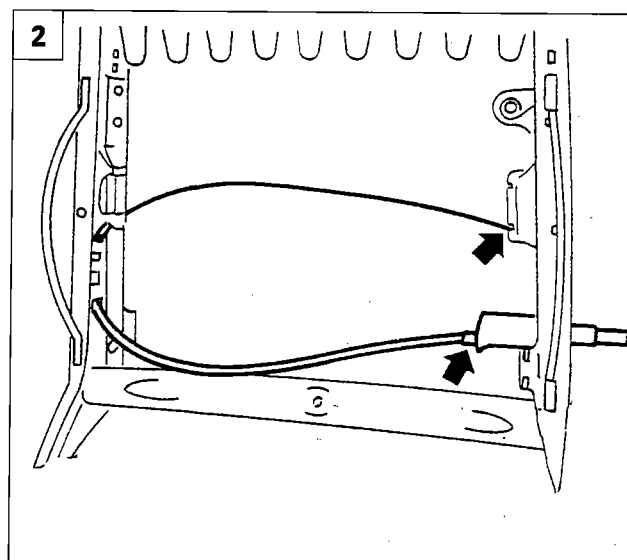
P4F41AM04



P4F41AM05



P4F040M04



P4F040M05

Replacing "lumbar" control cable (▲)

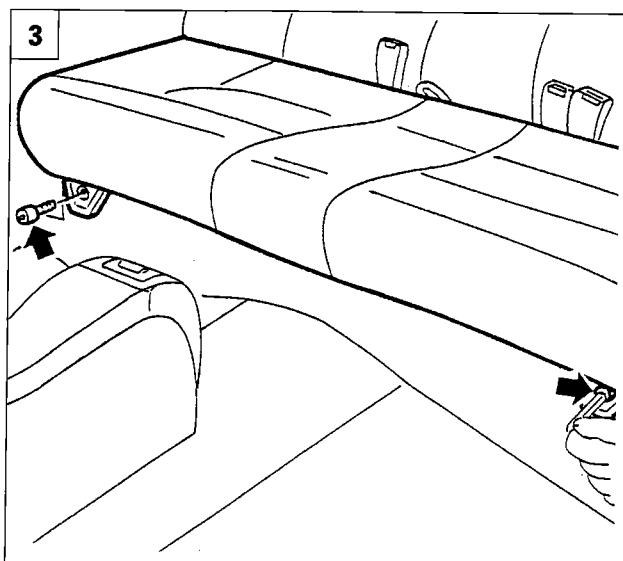
- Release the "lumbar" control cable from the attachment housings shown and remove it.
- Release the "lumbar" adjustment control cable from the sliding seats shown, then remove the backrest upholstery.



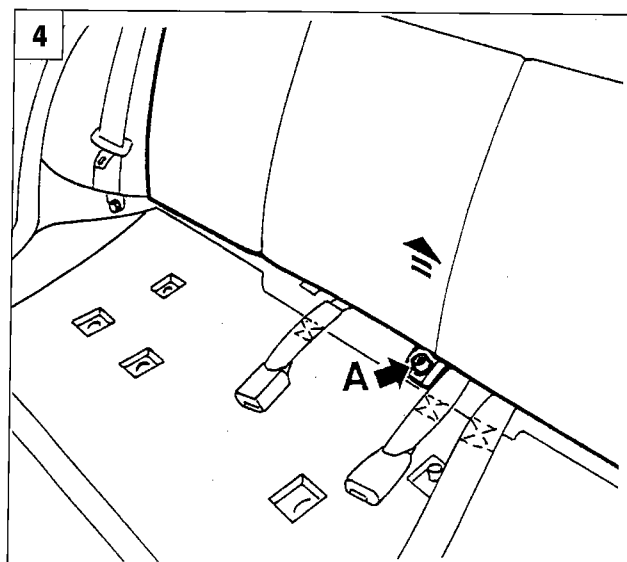
REMOVING-REFITTING FRONT SEAT

- Undo the bolts fixing the cushion to the bodyshell, then remove it from the vehicle.
- Undo the bolt (A) fixing the backrest, then lift it upwards to release it from the retainers and remove it.
- To facilitate the removal of the backrest, after having undone the fixing bolt (A), use a lever on the side retainers (B).

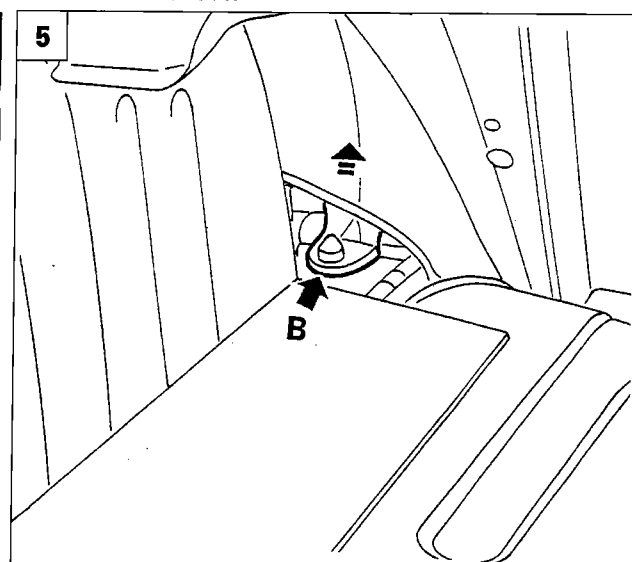
NOTE To refit, simply reverse the order of the operations carried out for the removal.



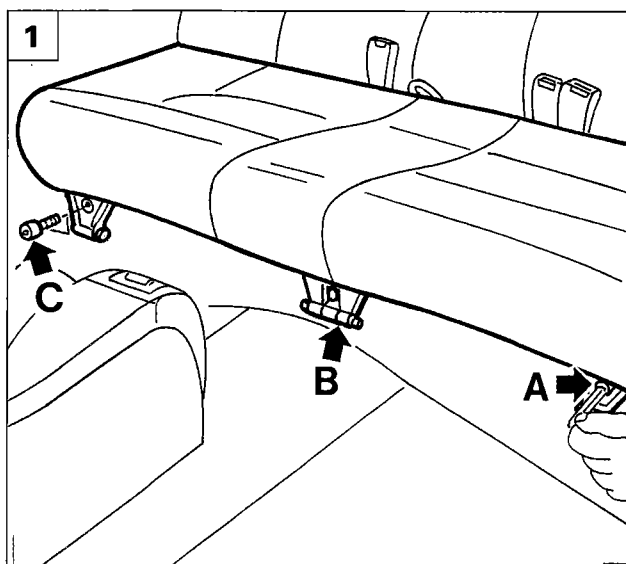
P4F040M06



P4F040M07



P4F040M08



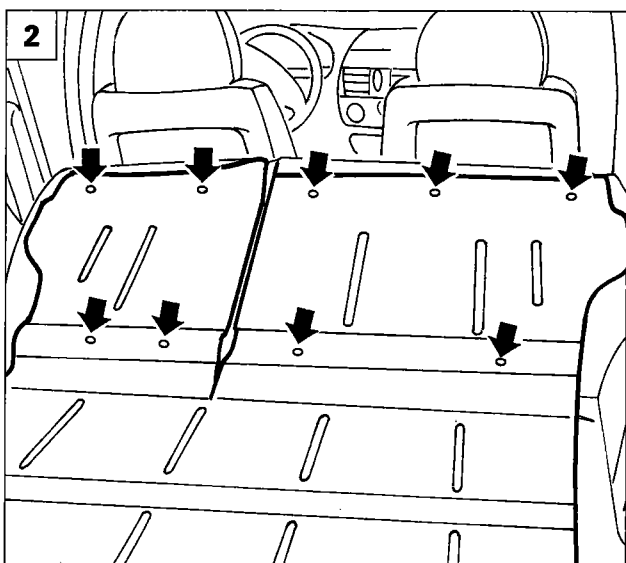
P4F041M01



**REMOVING-REFITTING
REAR SEAT**

1. Undo the bolt (A) and extract the left seat releasing it from the pin (B).
If necessary, loosen the pin bolt (B).

- Proceed in the same way for the right seat, undoing bolt (C) instead of (A).



P4F041M02



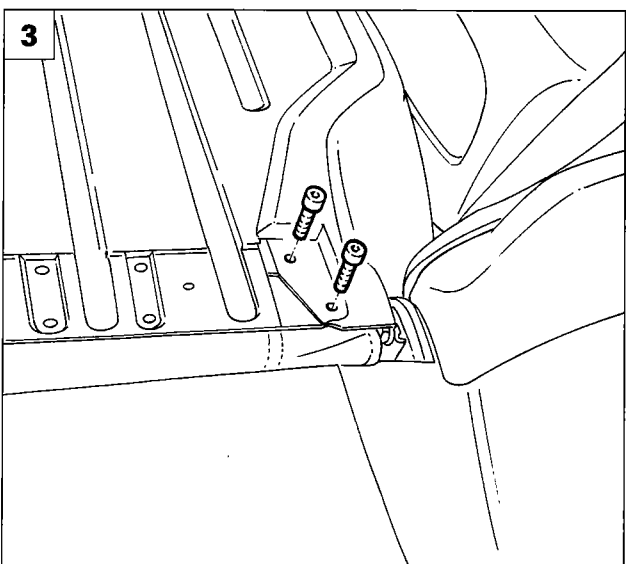
2. Lower the backrest, then undo the bolts fixing the luggage compartment covering to the backrest.

3. Undo the bolts fixing the backrest to the folding bracket.

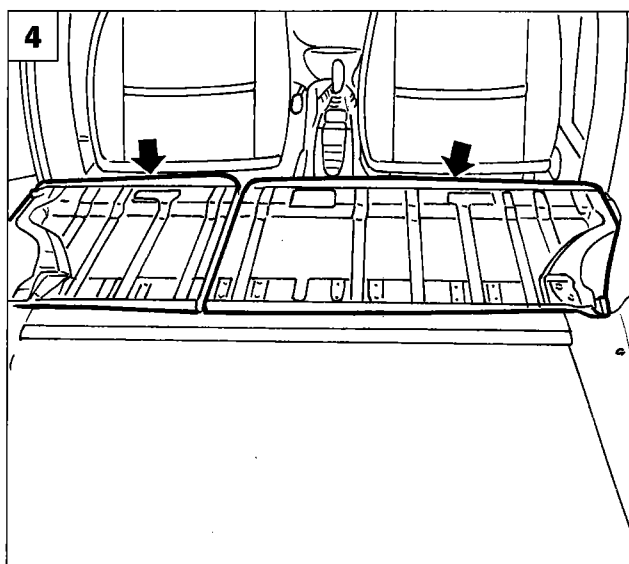
4. Remove the backrest from the vehicle.



NOTE To refit, simply reverse the order of the operations carried out for the removal.



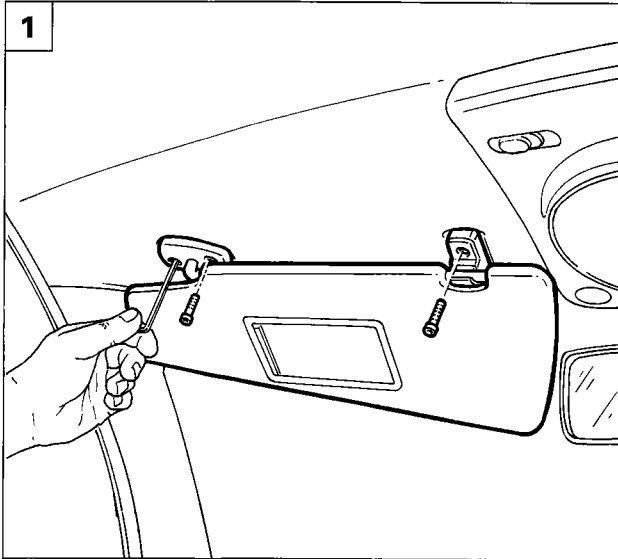
P4F041M03



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P4F042M01

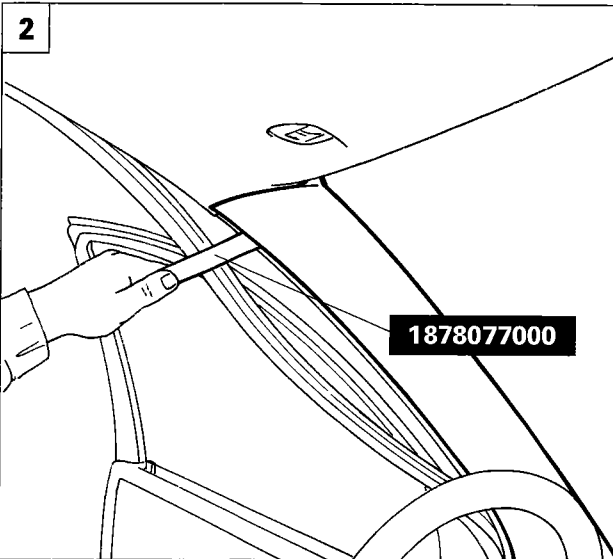


REMOVING-REFITTING SUN VISORS AND ATTACHMENTS

1. Loosen the fixing bolts shown and remove the sun visors and attachment systems.

REMOVING-REFITTING FRONT PILLAR COVER

2. Move the door seal by the pillar cover aside.
- Using tool 1878077000, release the front pillar cover from the retainers.



P4F042M02

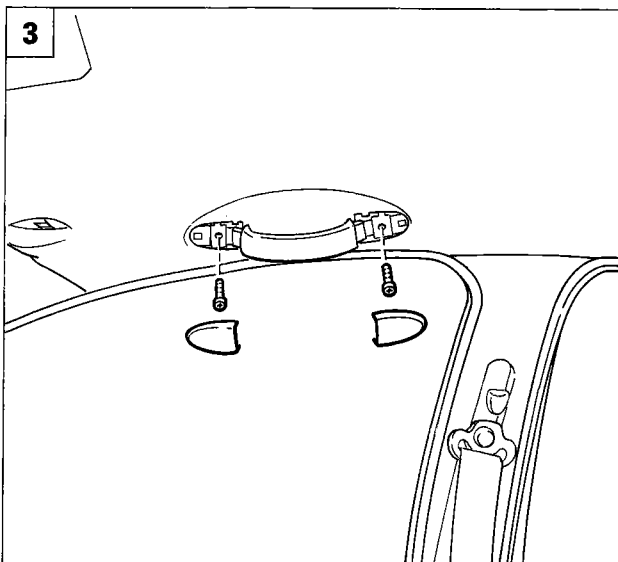


REMOVING-REFITTING FRONT/REAR PASSENGER GRAB HANDLES

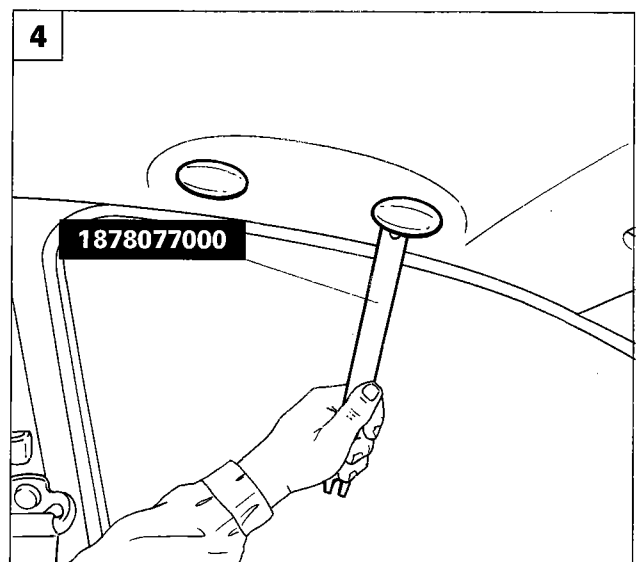
3. Remove the fixing covers and undo the bolts underneath, then remove the passenger grab handles.

REMOVING-REFITTING ROOF LINING FIXING FRONT COVERS

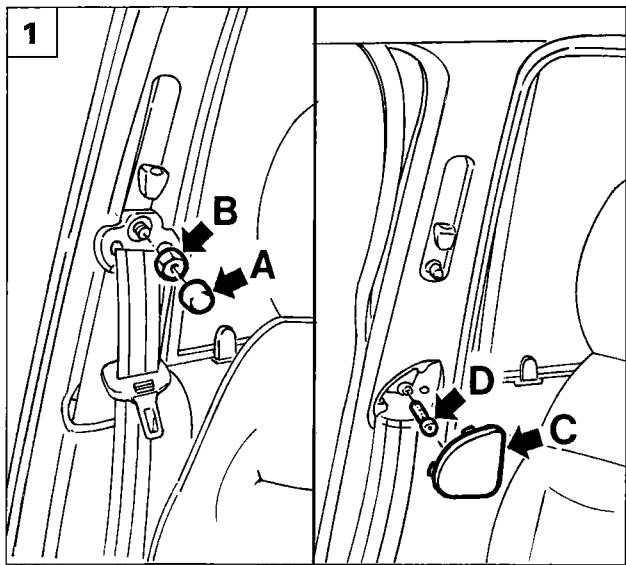
4. Using tool 1878077000, remove the covers.



P4F042M03



P4F042M04

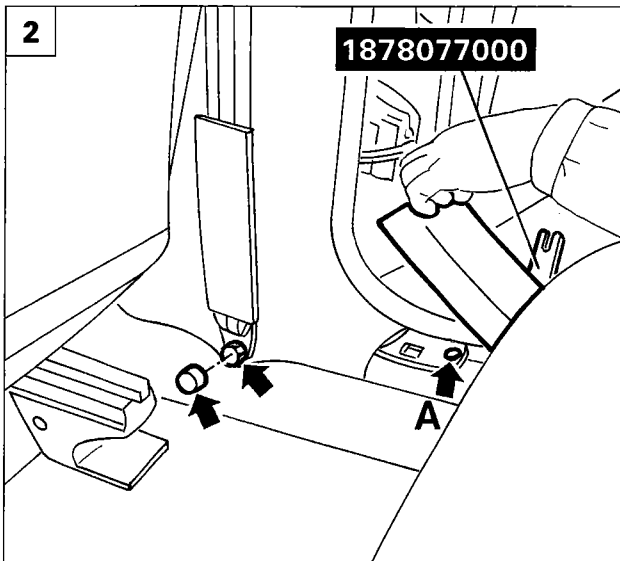


P4F043M01

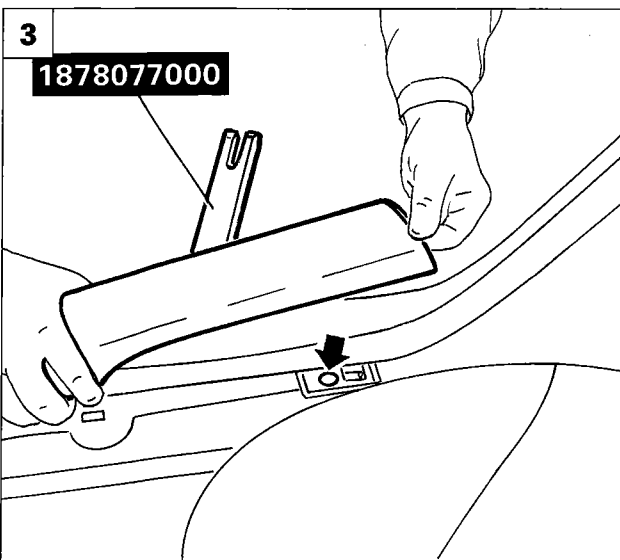


REMOVING-REFITTING CENTRE PILLAR COVER

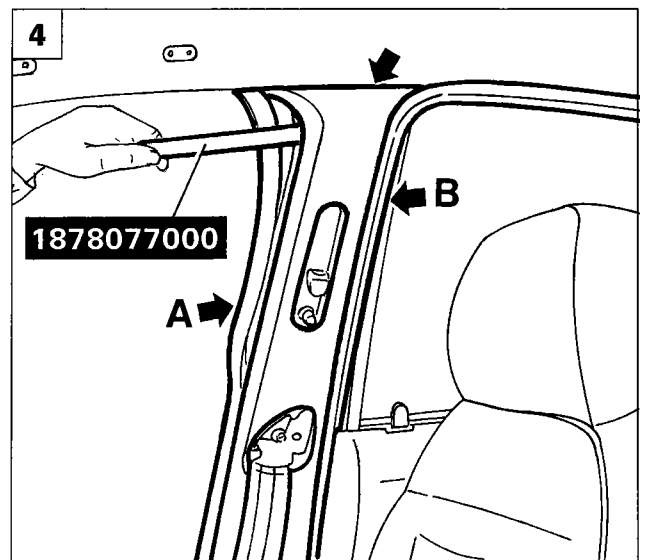
1. Remove the fixing cover (A) and undo the height adjustment nut (B) for the front seat belt.
Remove the bolt cover (C), then undo the fixing bolt (D) for the pillar cover.
2. Remove the fixing cover and undo the bolt fixing the front seat belt. Using tool 1878077000, release and raise the rear running board, then undo the bolt (A) fixing the pillar cover.
3. Undo the front bolt under the dashboard for the running board, then, using tool 1878077000, release and raise the front running board. Undo the bolt (A) fixing the pillar cover.
4. Move the door seals (A) and (B) by the pillar cover aside, then remove the centre pillar cover using tool 1878077000.



P4F043M02

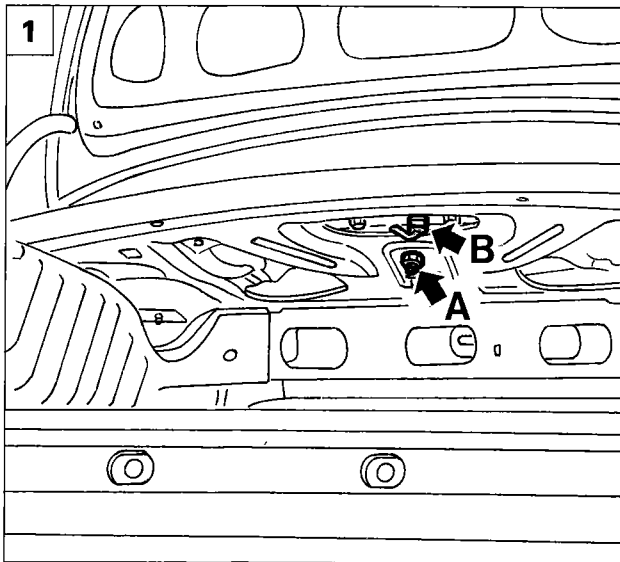


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P4F044M01

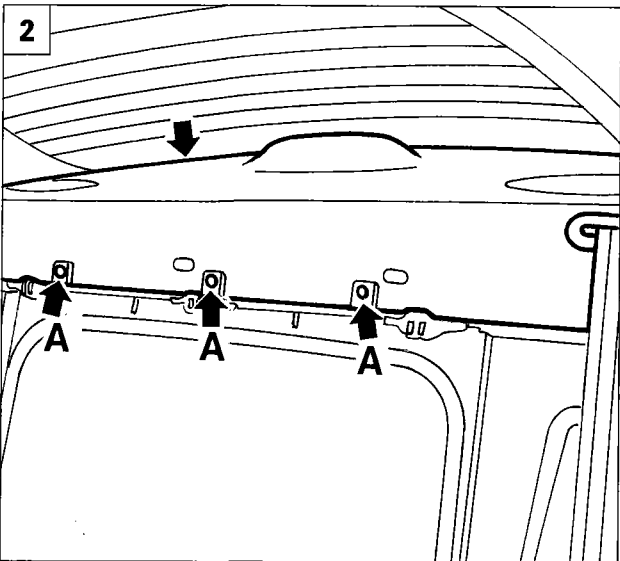


REMOVING-REFITTING REAR PARCEL SHELF



- Remove the rear seat, as described in the specific paragraph.
 - Remove the rear speakers as described in Section 55 (Electrical equipment).
1. Open the boot lid and undo the nut (A). Disconnect the connector (B) for the 3rd brake light.
 2. Undo the bolts (A) and remove the rear parcel shelf releasing it from the rear seat belts.

NOTE *To refit, simply reverse the order of the operations carried out for the removal.*



P4F044M02

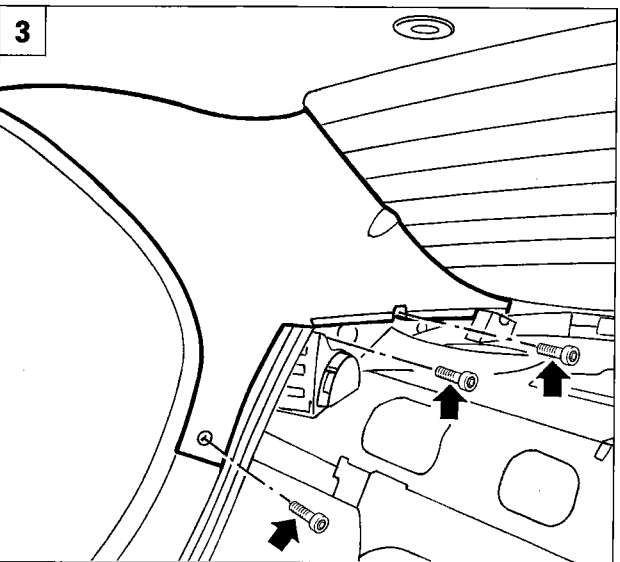


REMOVING-REFITTING REAR PILLAR COVER

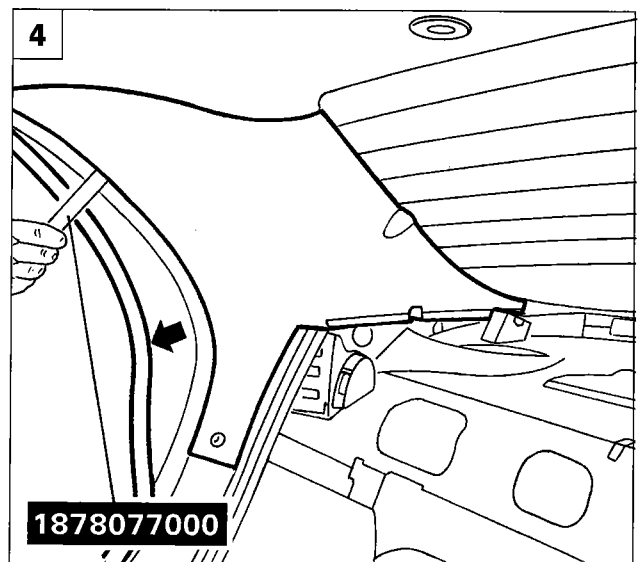


- Remove the rear parcel shelf following the instructions given above.
3. Undo the bolts for the rear pillar cover.
 4. Move the door seal aside by the pillar cover, then remove the rear pillar cover, using tool 1878077000.

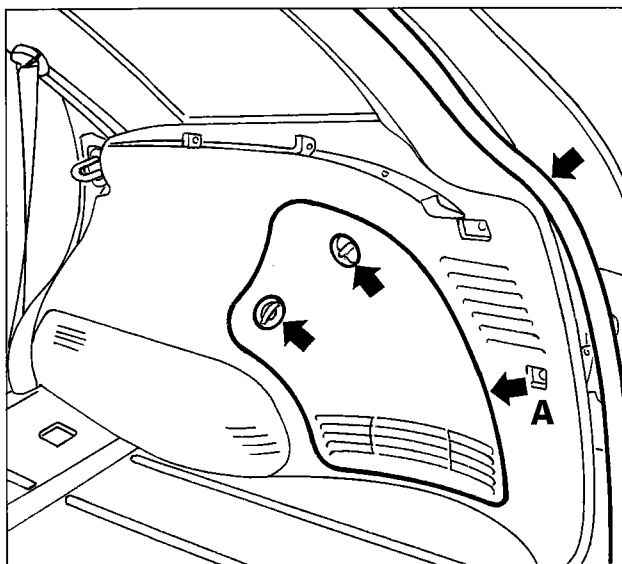
NOTE *To refit, simply reverse the order of the operations carried out for the removal.*



P4F044M03



P4F044M04



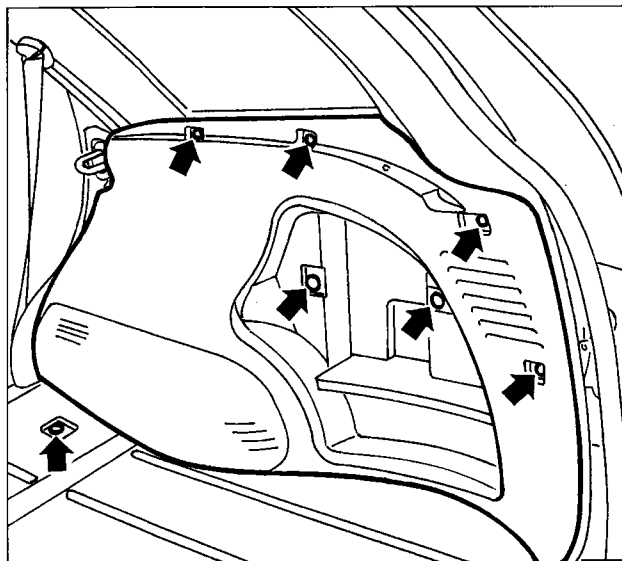
P4F045M01



REMOVING-REFITTING SIDE LUGGAGE COMPARTMENT COVERING



- Remove the luggage compartment covering cloth.
- Lower the moving rear bumper.
- Lower the rear seat backrest.
- Release the retainers and remove the cover (A).
- Move the tailgate housing seal aside by the luggage compartment cover.



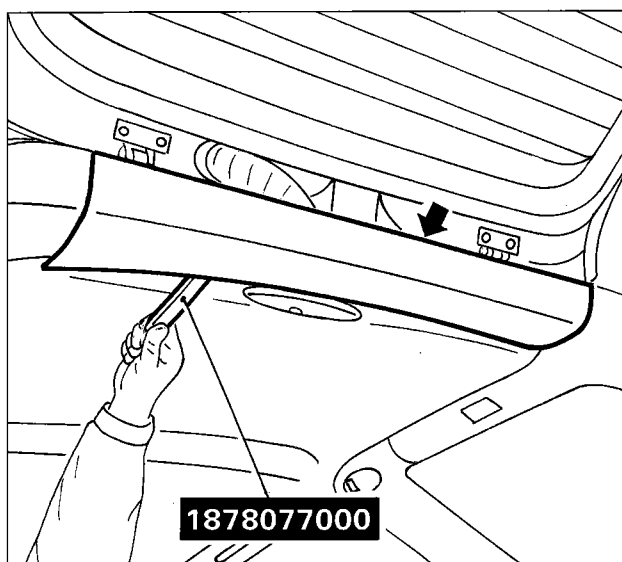
P4F045M02



- Undo the bolts fixing the luggage compartment cover and remove it.



NOTE *To refit, simply reverse the order of the operations carried out for the removal.*



P4F045M03



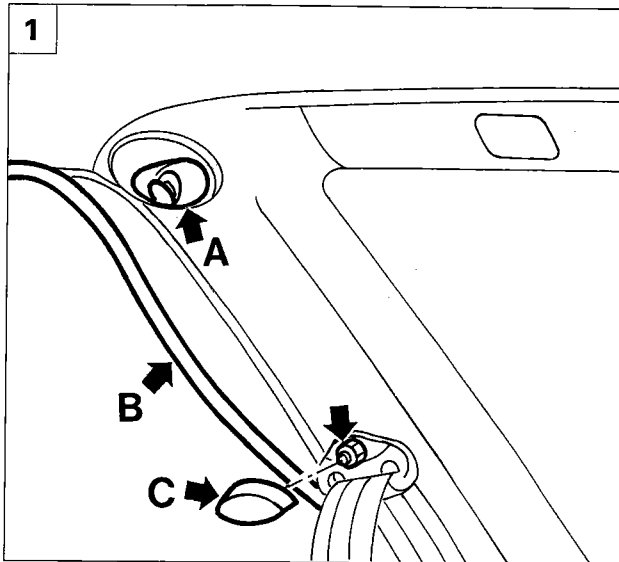
REMOVING-REFITTING UPPER LUGGAGE COMPARTMENT COVERING



- Using tool 1878077000, remove the upper cover releasing it from the retaining springs.

NOTE *To refit, simply reverse the order of the operations carried out for the removal.*

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P4F046M01



REMOVING-REFITTING LUGGAGE COMPARTMENT PILLAR COVERS

- Remove the rear speakers, as described in the specific paragraph.

1. Release the central plate with clothes hook (A). Undo the bolt underneath and remove the frame.

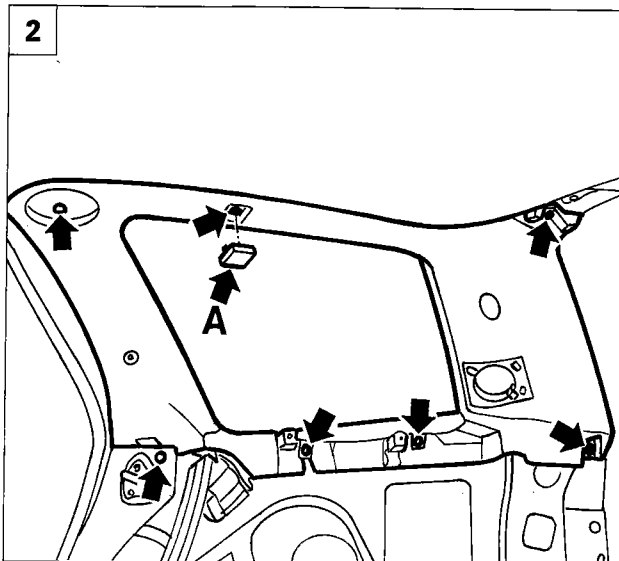
- Move the door housing seal (B) by the pillar cover.

- Remove the cowling (C) and undo the nut underneath fixing the seat belt idler.

2. Remove the trim (A).

Undo the bolts shown and remove the luggage compartment pillar cover.

NOTE *To refit, simply reverse the order of the operations carried out for the removal.*



P4F046M02



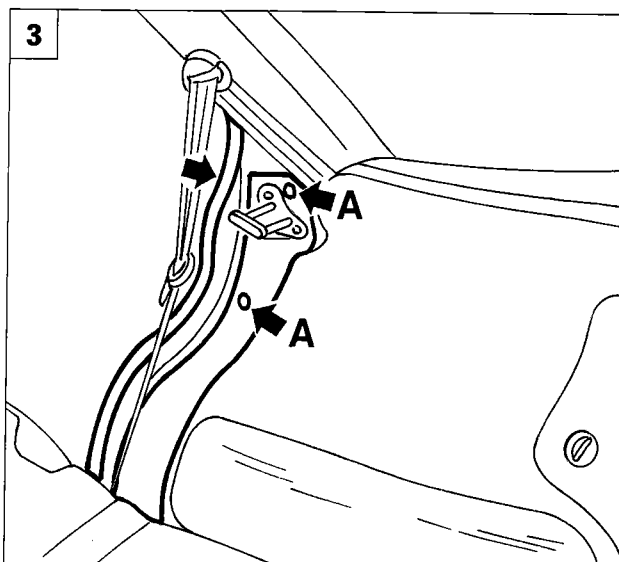
REMOVING-REFITTING REAR SEAT SIDE COVER

- Fold over the rear seat and lower the backrest.

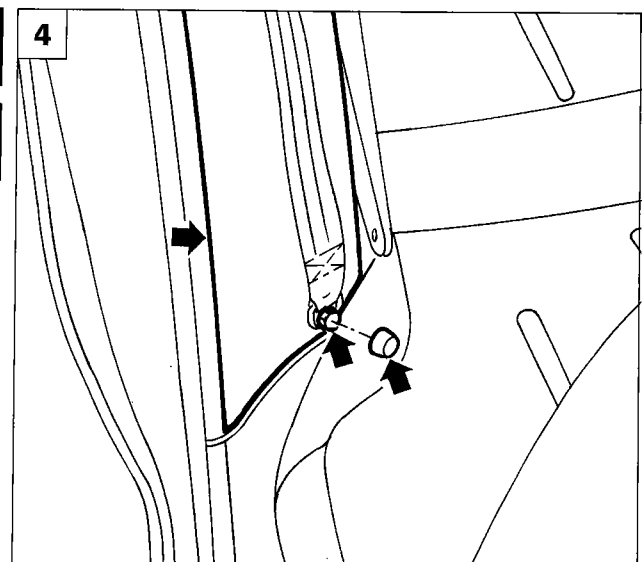
3. Undo the bolts (A) retaining the cover.. Remove the door housing seal by the cover.

4. Remove the fixing cover and undo the bolt fixing the rear seat belt, then remove the side cover for the rear seat.

NOTE *To refit, simply reverse the order of the operations carried out for the removal.*



P4F046M03

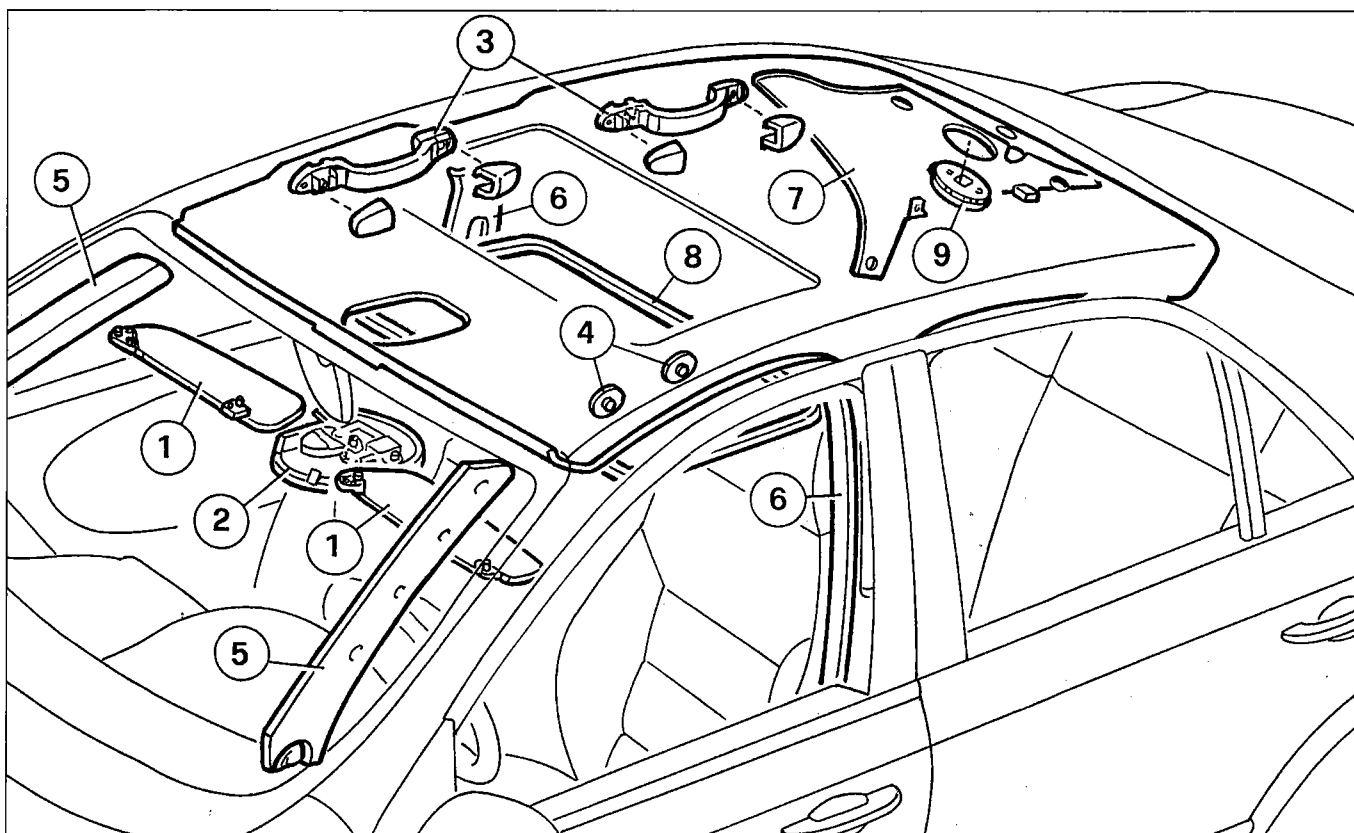


P4F046M04

REMOVING-REFITTING ROOF LINING

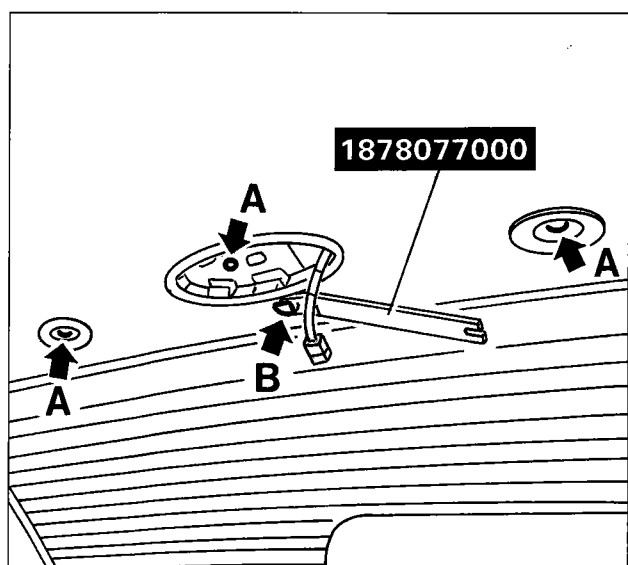
Dismantling the vehicle

Remove the parts shown in the diagram; for the removal procedures, see the specific paragraphs. The parts are numbered in the dismantling order.



P4F047M01

- | | |
|-------------------------------|-------------------------|
| 1. Sun visors and attachments | 6. Centre pillar covers |
| 2. Front courtesy light | 7. Rear pillar covers |
| 3. Grab handles | 8. Sun roof trim |
| 4. Roof lining fixing trims | 9. Rear courtesy light |
| 5. Front pillar covers | |

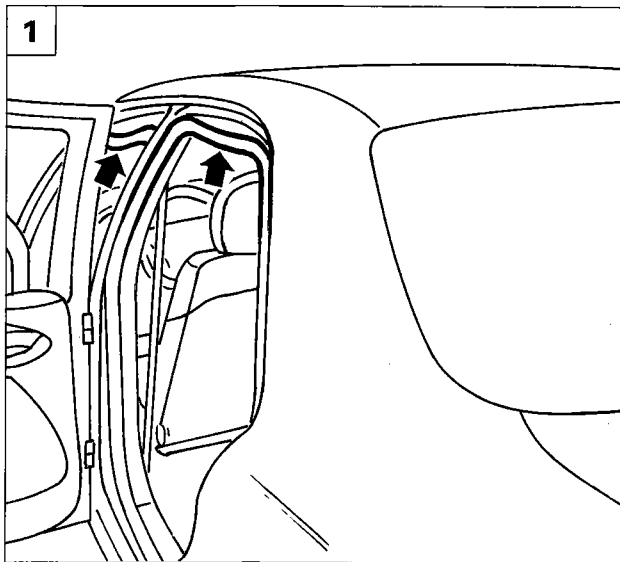


P4F25AM02



- Working from the rear of the roof panel, undo the bolts (A) and remove the retainer (B) using tool 1878077000.

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P4F048M01

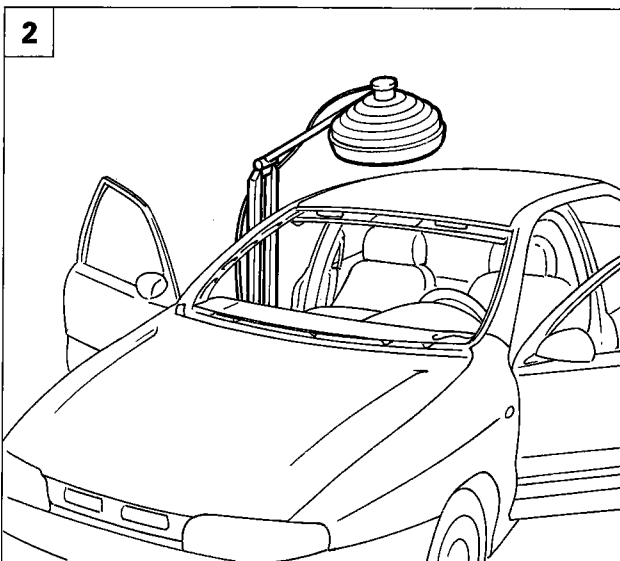


1. Working from both sides of the vehicle, move the door seals aside by the roof lining.

Removing the roof lining

NOTE *In the versions with a sun roof, the lining is not stuck to the roof panel.*

2. Heat the roof, positioning an infra red lamp on the outside of the vehicle to assist the separation of the lining from the roof.



P4F37AM01



Avoid the temperature exceeding 90° C in order not to damage the paint.

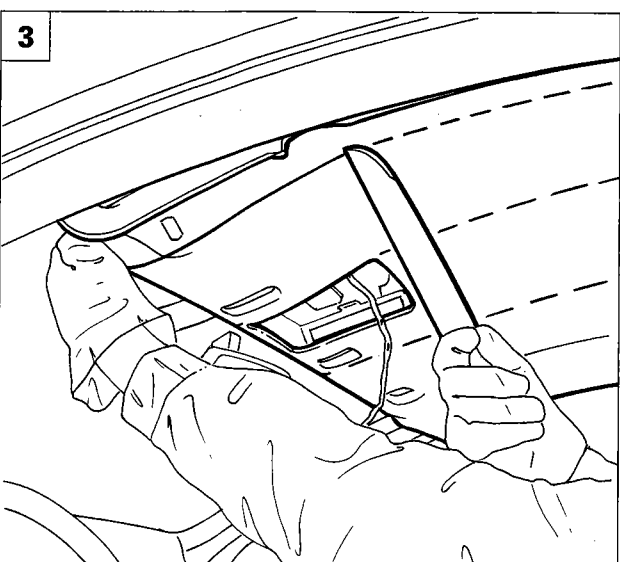
3. Cut the lining in a longitudinal direction to allow the subsequent removal from the roof panel, then extract it.



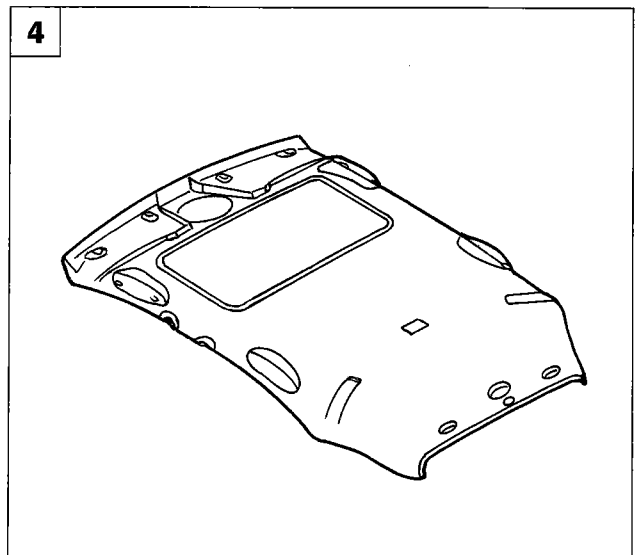
Do not pull the lining downwards in order not to distort the roof.

Refitting the roof lining

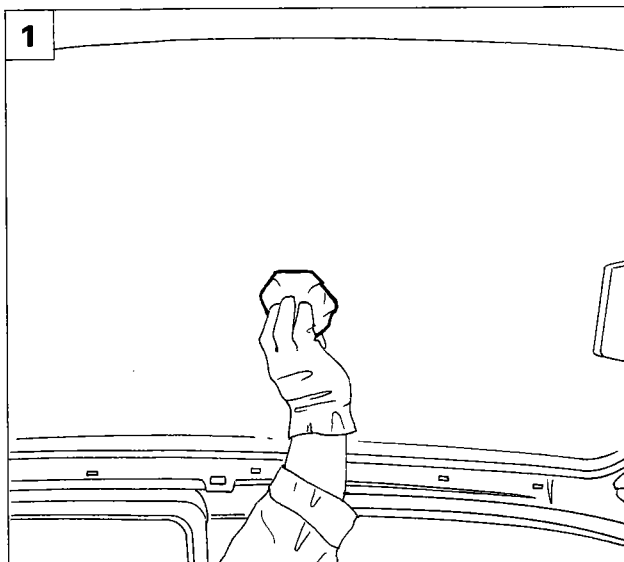
4. For the version with a sun roof it is not necessary to stick the roof lining.



P4F37AM02



P4F38AM04



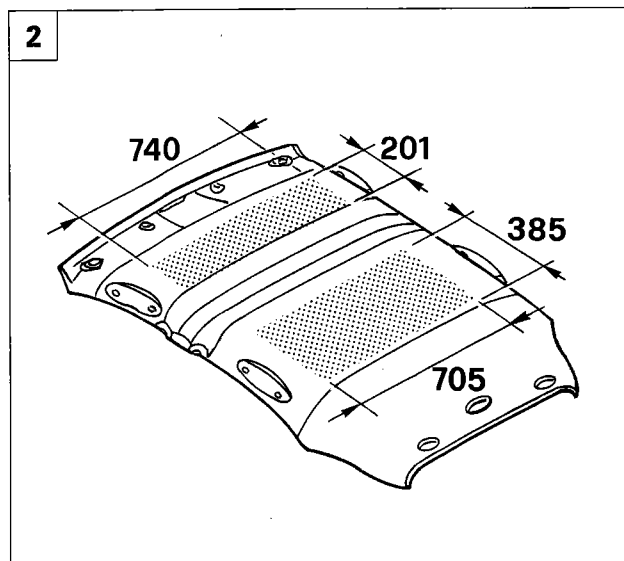
P4F37AM03



1. Thoroughly clean the roof using paper soaked in heptane.
2. Apply the recommended adhesive in the areas which are shaded in the diagram, sticking to the measurements given.

NOTE *It is advisable to use a water based adhesive such as TIVOCOLL 4769/59 made by GURIT or ESSEX.*

Heat the roof lining for about 5 - 6 minutes using an infra red lamp.

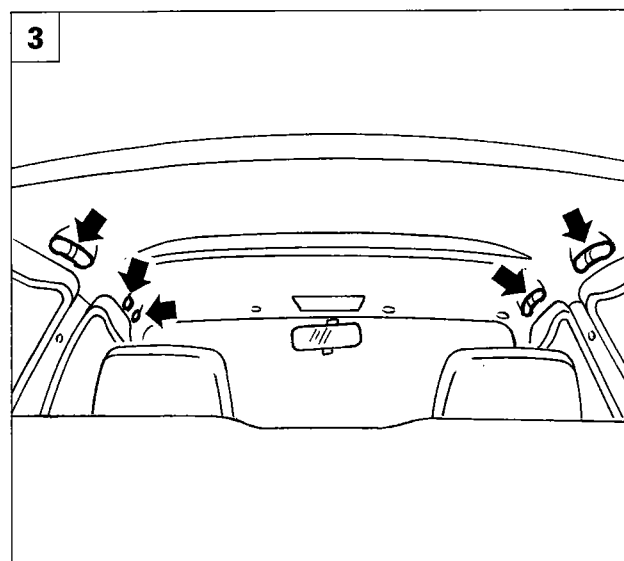


P4F38AM01

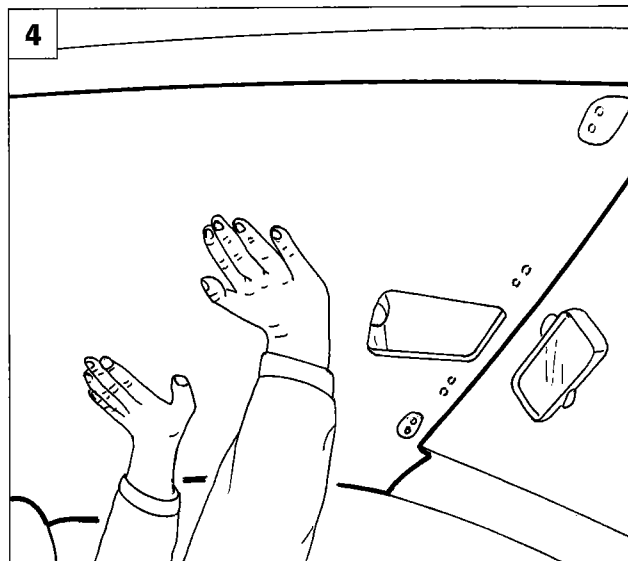


Avoid the temperature exceeding 90° C.

3. Place the lining in position, without pushing it completely into place.
 - Fit the passenger grab handles and the roof lining fixing trims.
4. Press on the lining to make it stick to the roof, starting from the centre working towards the edges, then completely tighten the handle fixing bolts.
 - Complete the refitting, by suitably reversing the operations carried out for the removal.



P4F38AM02



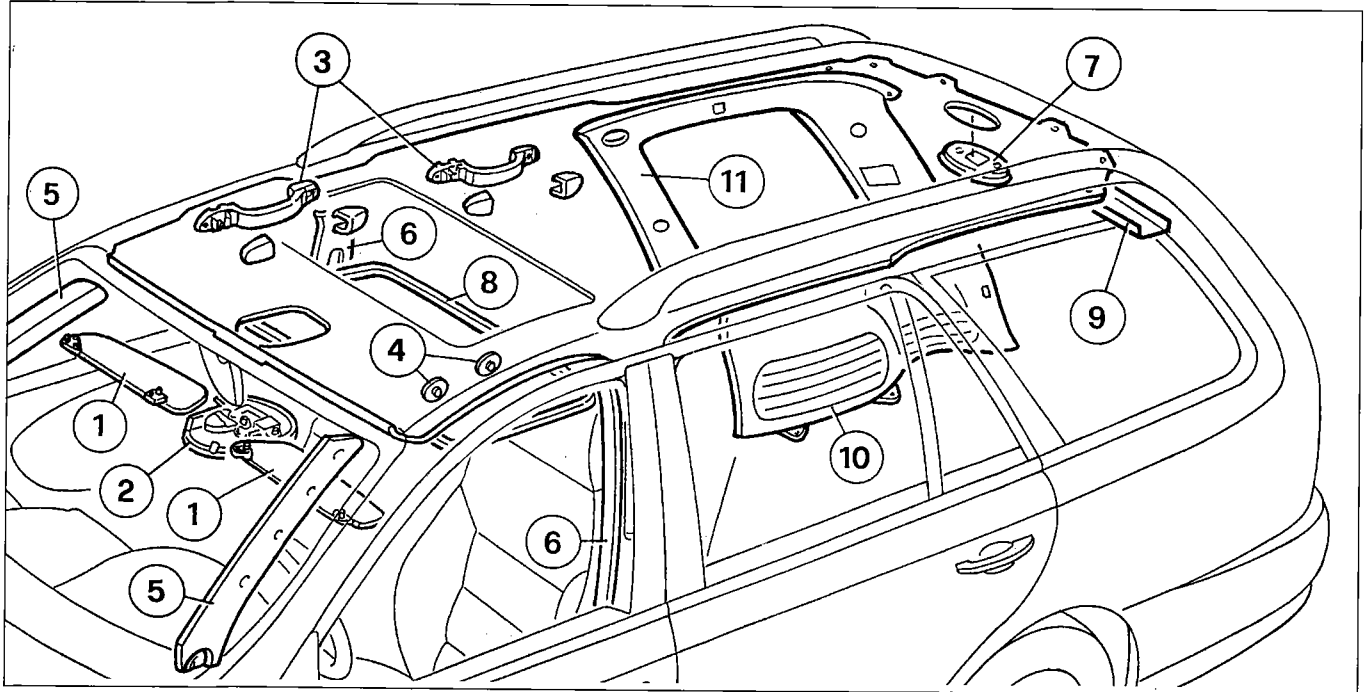
P4F38AM03

70.

REMOVING-REFITTING THE ROOF LINING

Dismantling the vehicle

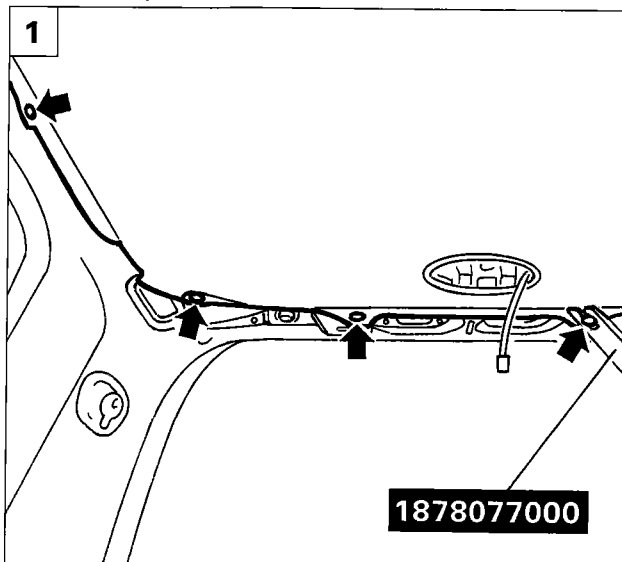
Remove the parts shown in the diagram; for the removal procedures, see the specific paragraphs. The parts are numbered in the dismantling order.



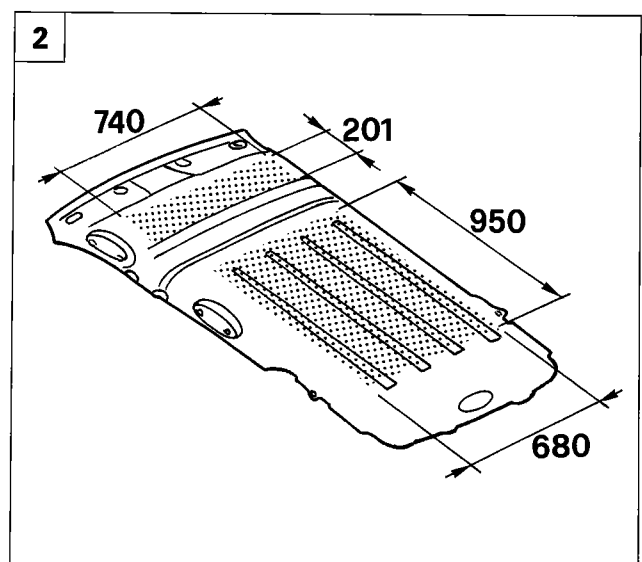
P4F050M01

1. Sun visors and attachments
2. Front courtesy light
3. Grab handles
4. Roof lining fixing trims
5. Front pillar covers
6. Centre pillar covers

7. Rear courtesy light
8. Sun roof trim
9. Luggage compartment upper covering
10. Luggage compartment side coverings
11. Luggage compartment pillar covers



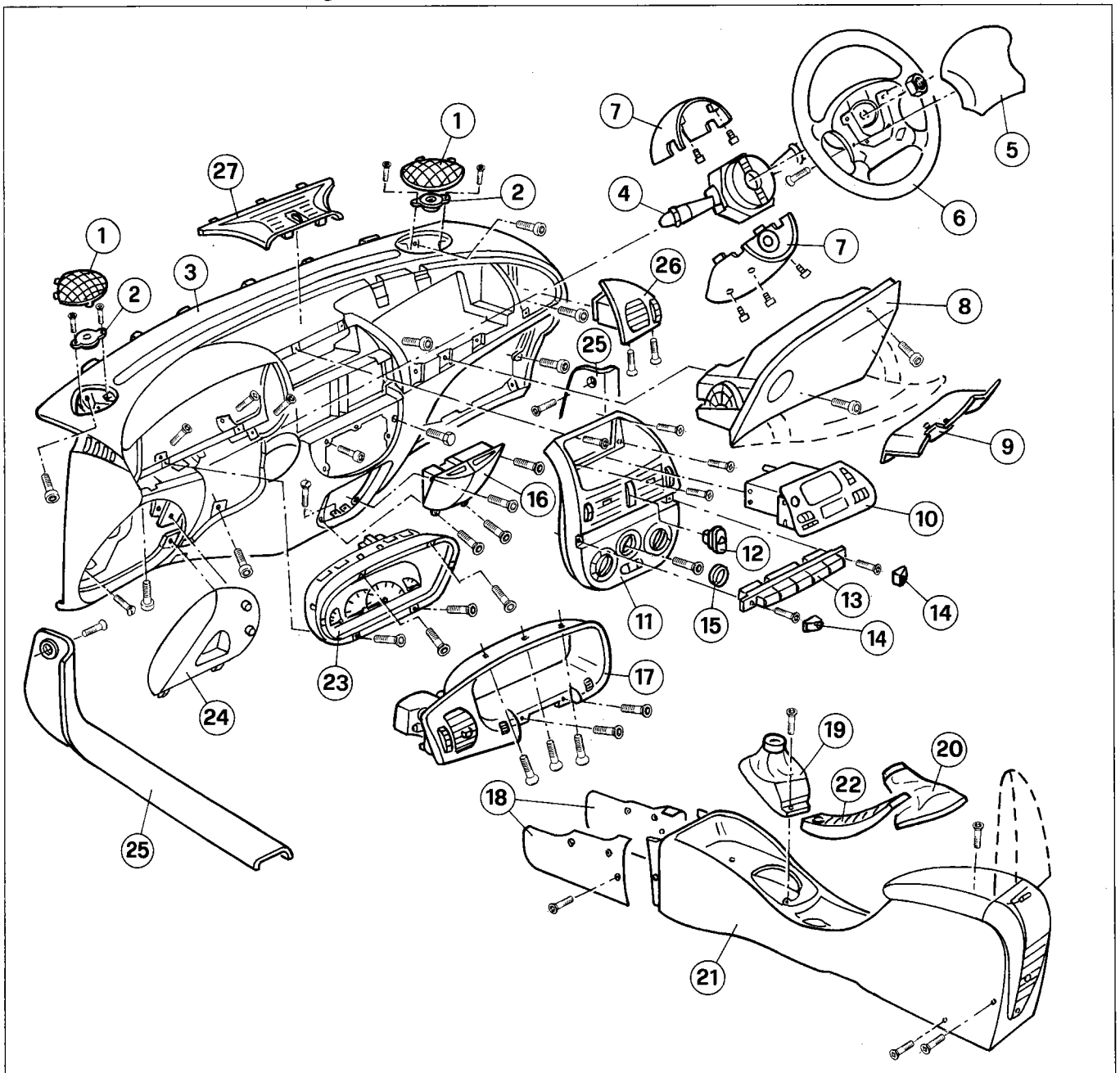
P4F050M02



P4F050M03

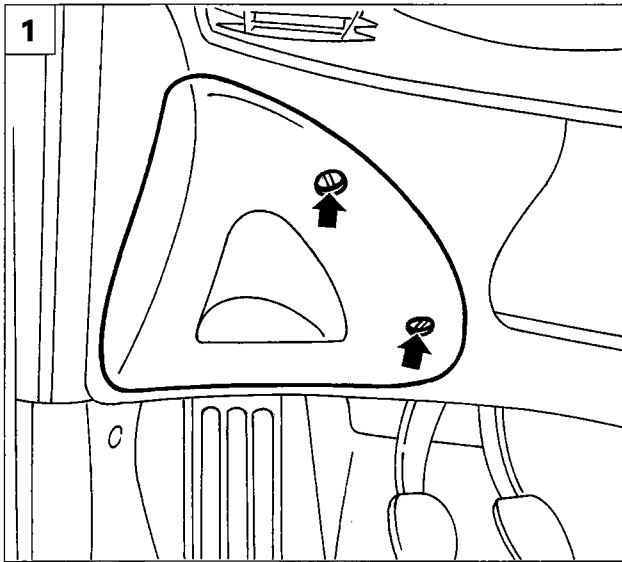
1. Working in the area of the luggage compartment, remove the retainers for the roof lining, using tool 1878077000.
2. Areas for applying adhesive to the roof lining.
 - For the procedures of removing and refitting the roof lining follow the instructions given for the Marea (See previous pages). In this case too, the lining for the version with a sun roof is not stuck to the roof.

DASHBOARD
GENERAL VIEW Dismantling



P4F08AM01

- | | |
|--------------------------------|--------------------------------------|
| 1. Speaker grille | 15. Fan control knob |
| 2. Speaker | 16. Ashtray/cigar lighter assembly |
| 3. Dashboard cover | 17. Instrument panel frame |
| 4. Steering column switch unit | 18. Protection |
| 5. Horn/air bag protection | 19. Gear lever boot |
| 6. Steering wheel | 20. Handbrake lever boot |
| 7. Half-casings | 21. Tunnel cover oddments tray |
| 8. Glove compartment | 22. Trim |
| 9. Cover | 23. Instrument panel |
| 10. Radio | 24. Protection for junction unit |
| 11. Centre panel | 25. Underdoor covers (running board) |
| 12. Emergency switch | 26. Right air vent |
| 13. Switch unit | 27. Upper grille |
| 14. Trims | |



P4F10AM01



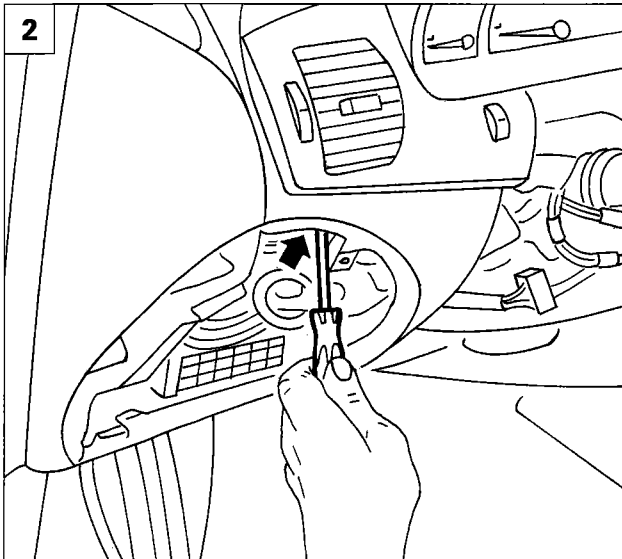
**REMOVING-REFITTING
DASHBOARD**



- Remove the tunnel cover oddments tray as described in the specific paragraph.
- Remove the steering column switch unit from the vehicle as described in section 55 - Electrical equipment.
- Remove the radio from the vehicle as described in section 55 - Electrical equipment.
- Remove the cover for the passenger air bag module.



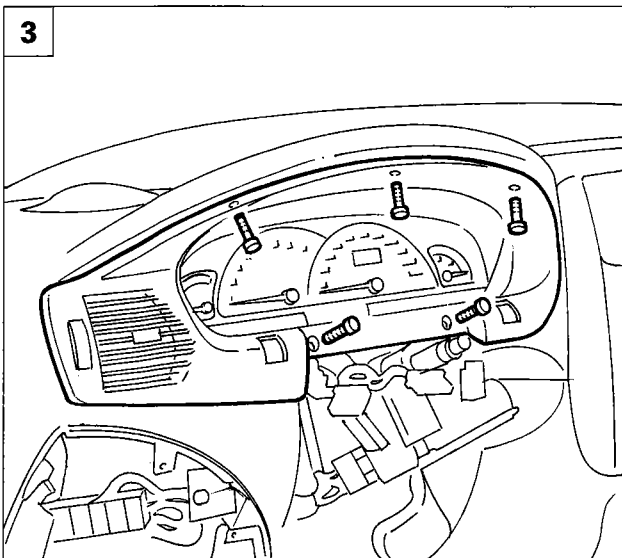
Follow the safety instructions given in section 55 - Electrical equipment



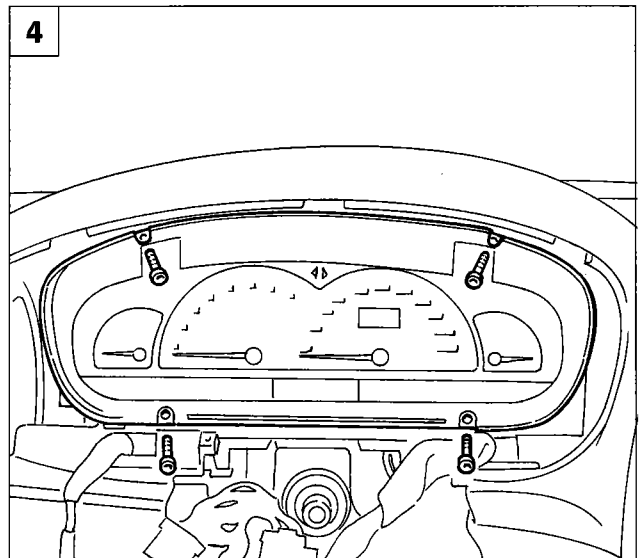
P4F10AM02



1. Acting at the points shown, remove the protection for the junction unit.
2. Undo the bolt on the inside.
3. Undo the bolts shown, then gently move the instrument panel frame aside, disconnect the connectors and remove the instrument panel frame.
4. Loosen the fixing bolts shown, disconnect the connectors at the rear of the instrument panel, then remove it from the dashboard.

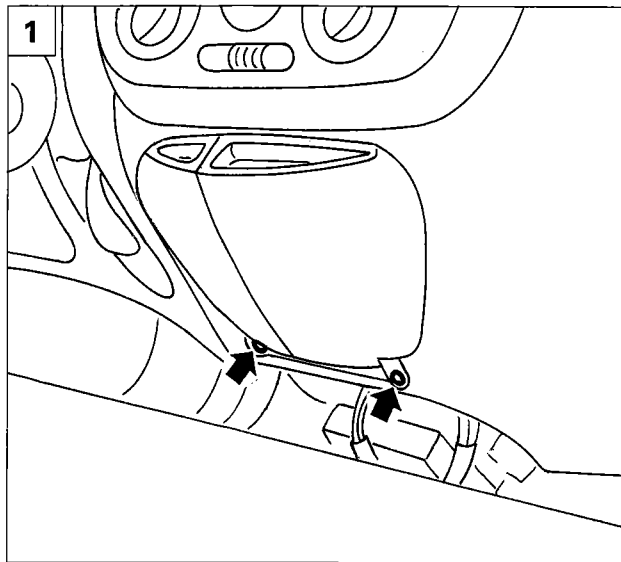


P4F10AM03

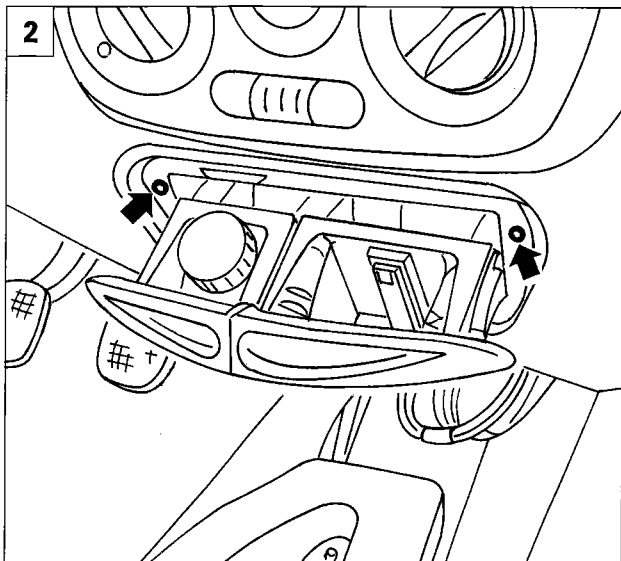


P4F10AM04

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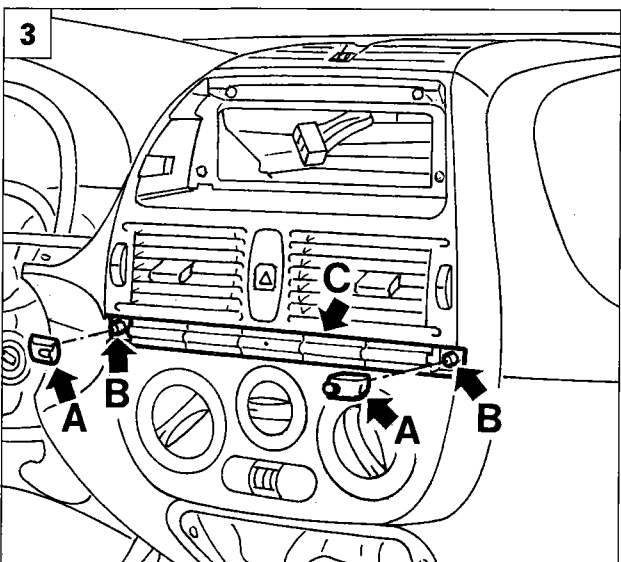
P4F11AM01



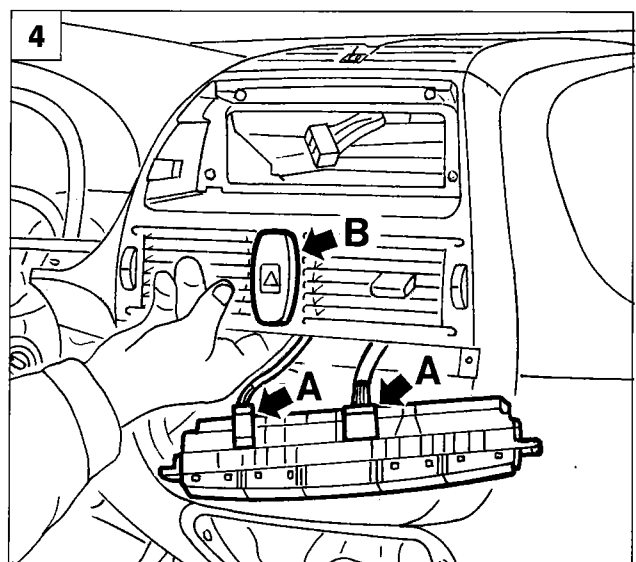
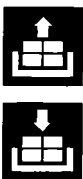
P4F11AM02



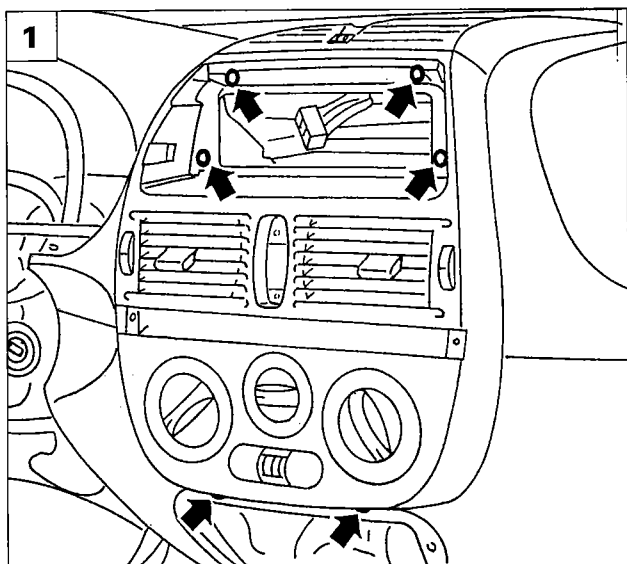
1. Loosen the lower bolts fixing the ashtray to the dashboard.
2. Undo the bolts shown in the diagram and disconnect the connector for the cigar lighter/lighting.
3. Using a screwdriver, remove the trims (A). Undo the bolts (B) and gently extract the switch unit (C).
4. Disconnect the connectors (A) and remove the switch unit.
Acting as shown in the diagram, extract the switch (B) and disconnect from the two connectors.



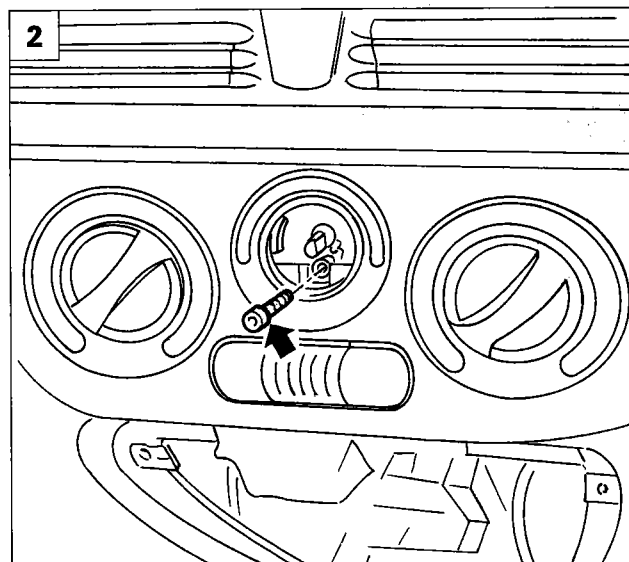
P4F11AM03



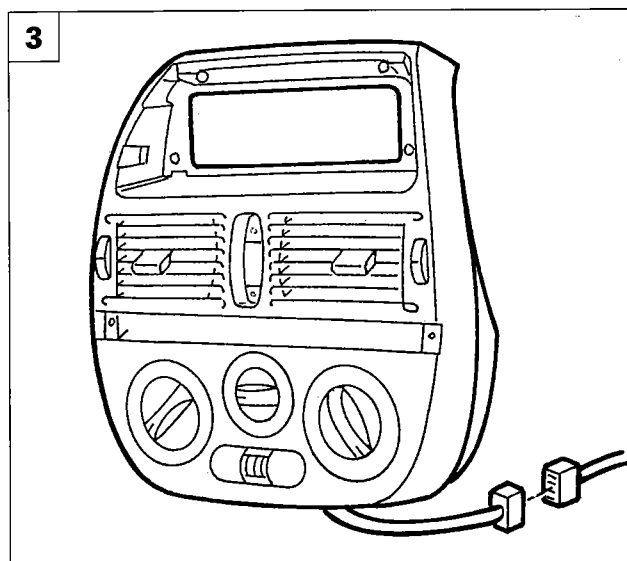
P4F11AM04



P4F12AM01



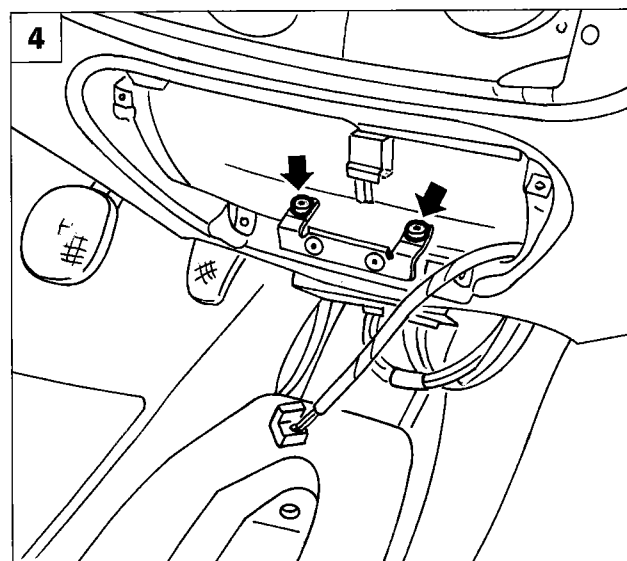
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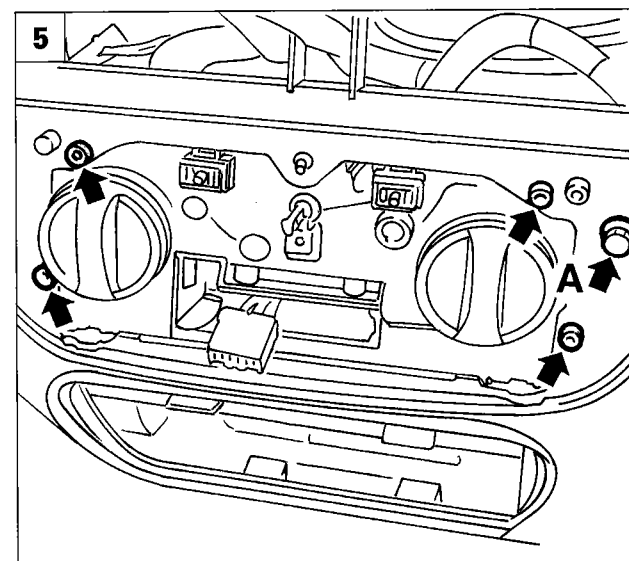
P4F12AM03



1. Undo the bolts fixing the heater control panel and various switches.
2. Extract the fan control knob, then undo the bolt underneath.
3. Remove the heater control panel and various switches from the dashboard after having disconnected the connection for the climate controls.
4. Undo the bolts fixing the dashboard, in the ashtray housing.
5. Undo the bolts fixing the dashboard to the heater and bolt (A).

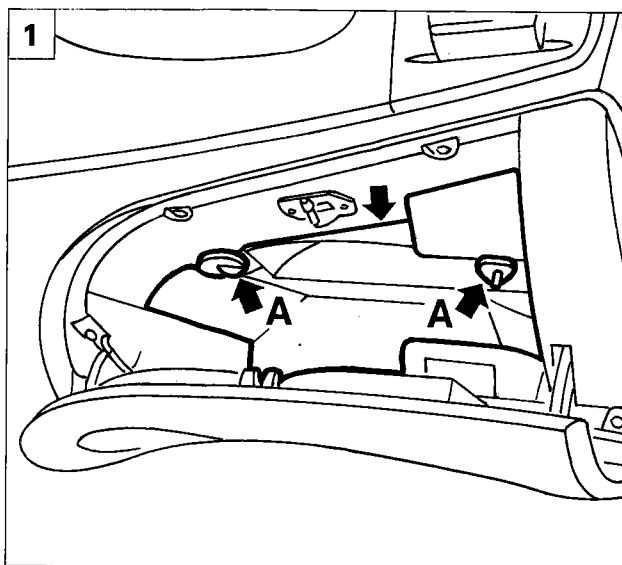


P4F12AM04

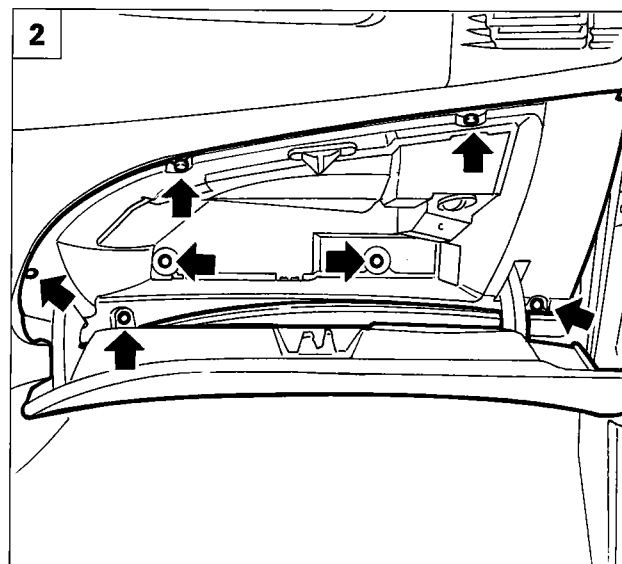


P4F12AM05

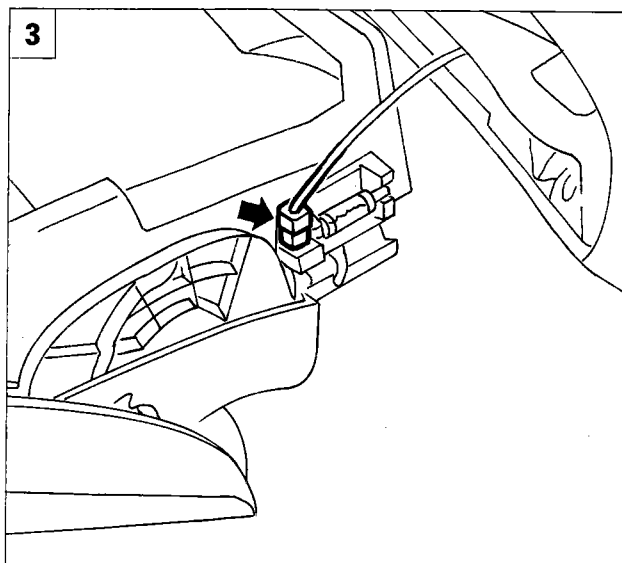
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P4F13AM01



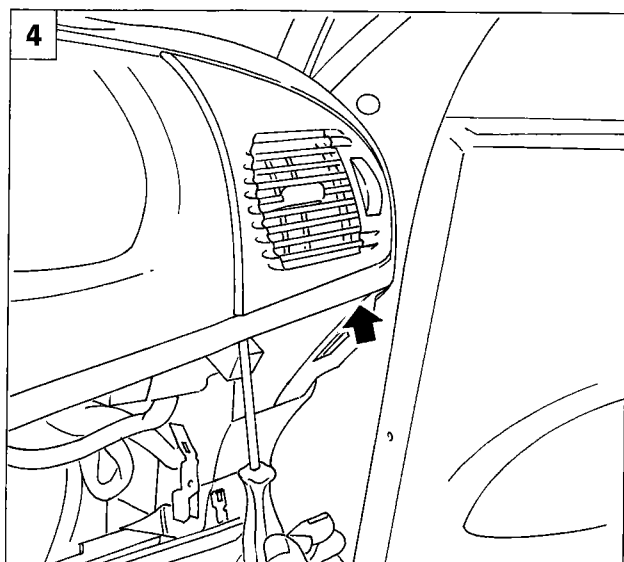
P4F13AM02



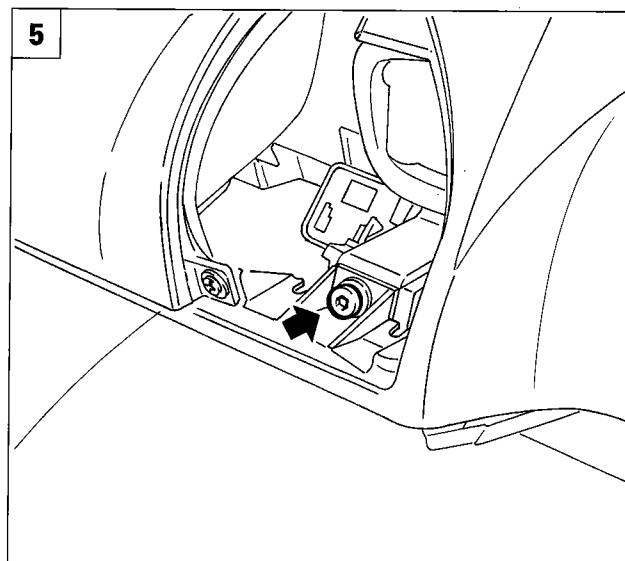
P4F13AM03



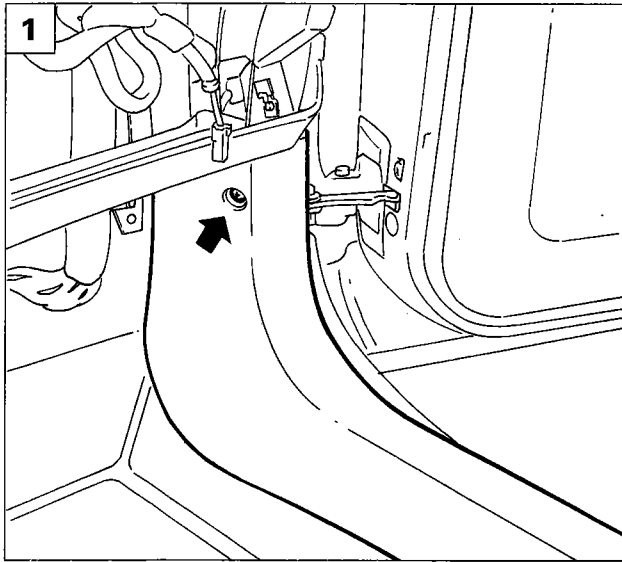
1. Working from inside the glove compartment, release the closures (A) and remove the cover.
2. Loosen the fixing bolts shown and gently remove the glove compartment.
3. Disconnect the connector for the courtesy light.
4. Undo the bolts fixing the right air vent, then remove it.
5. Undo the bolt shown fixing the dashboard, right hand side.



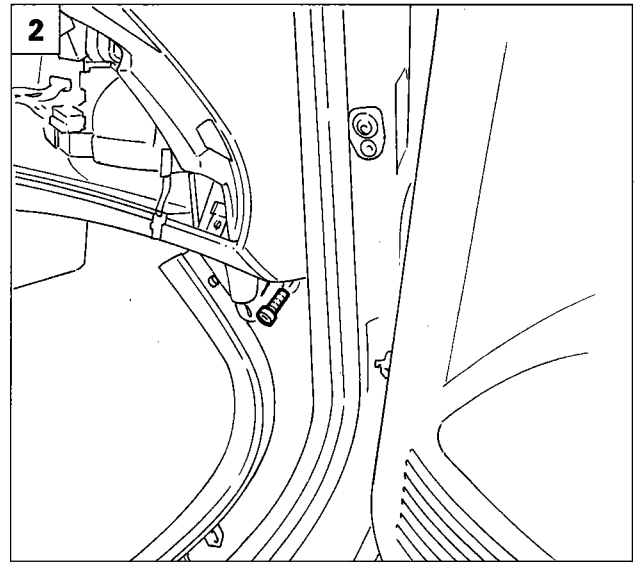
P4F13AM04



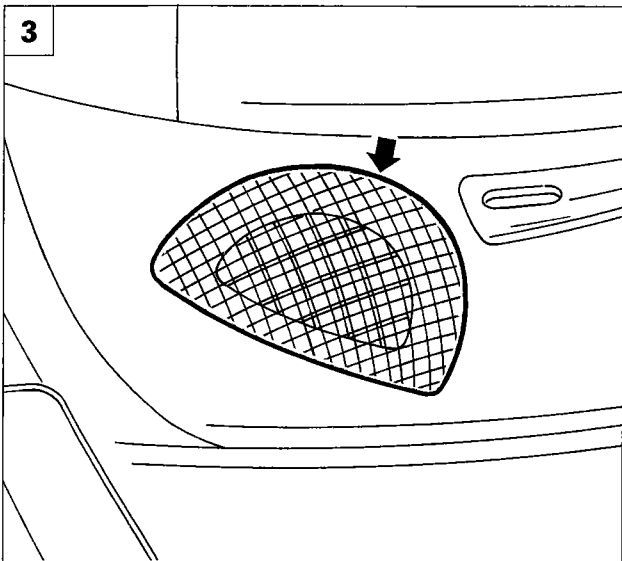
P4F13AM05



P4F14AM01



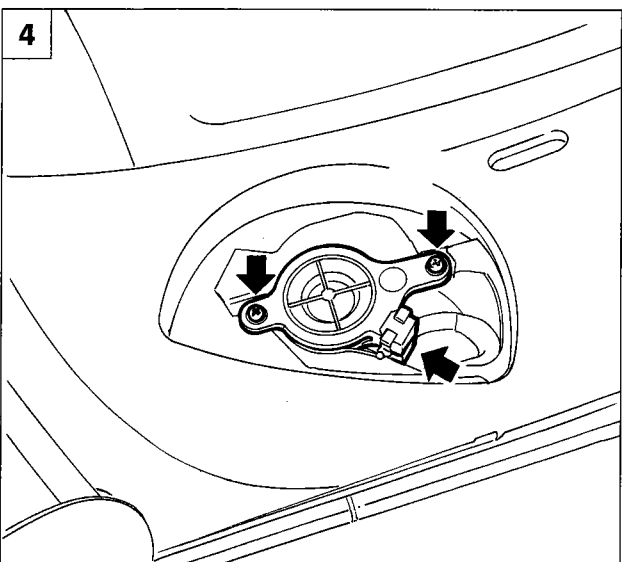
P4F14AM02



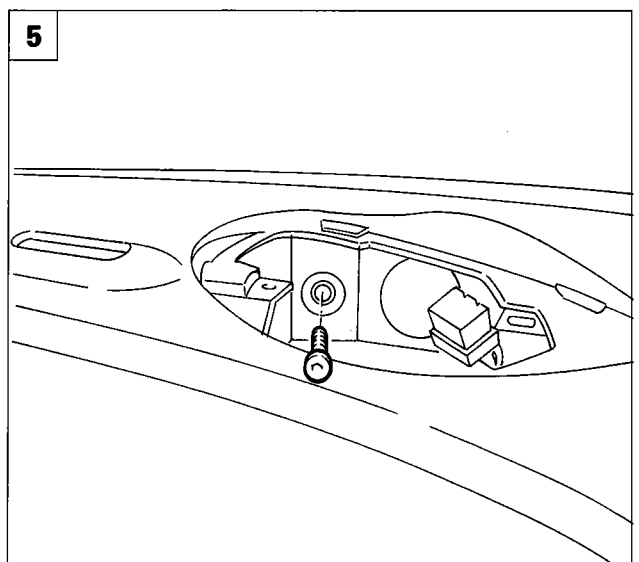
P4F14AM03



1. Undo the bolt shown and remove the underdoor cover (running board) aside on both sides of the vehicle.
2. Working appropriately, undo the bolt fixing the dashboard to the bodyshell on both sides.
3. Working on the side shown, remove the left and right speaker grilles.
4. Remove the left and right speakers, undoing the fixing bolts and disconnecting the appropriate connectors.
5. Undo the dashboard fixing bolts in the right and left speaker housings.

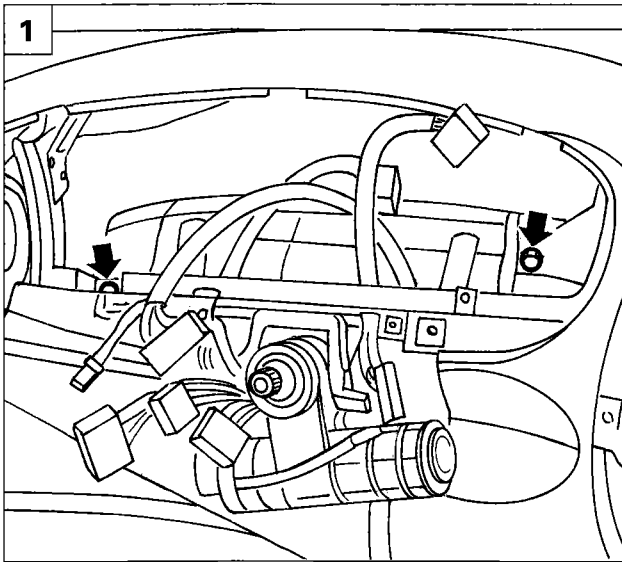


P4F14AM04

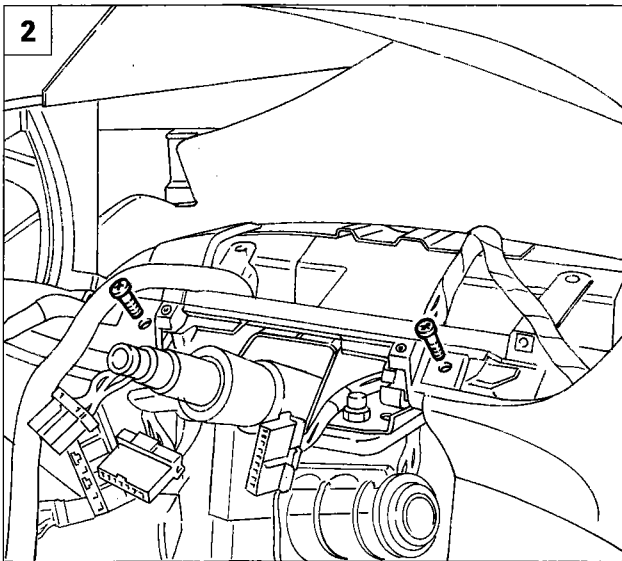


P4F14AM05

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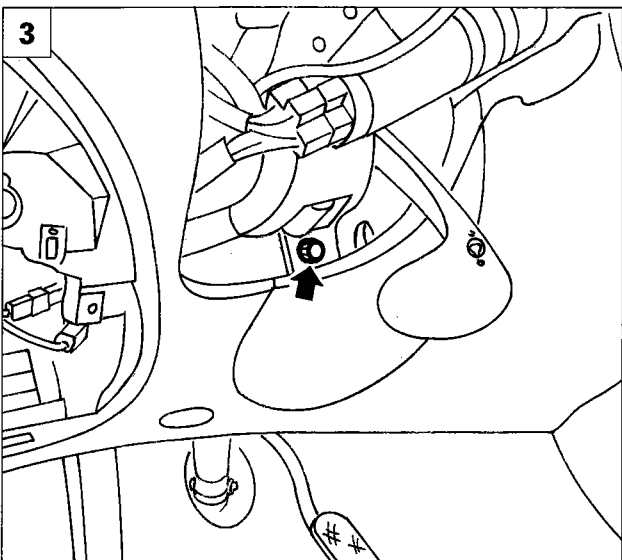
P4F15AM01



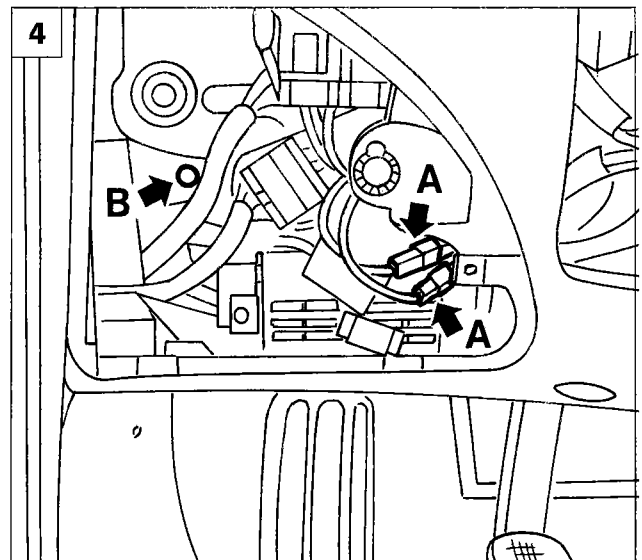
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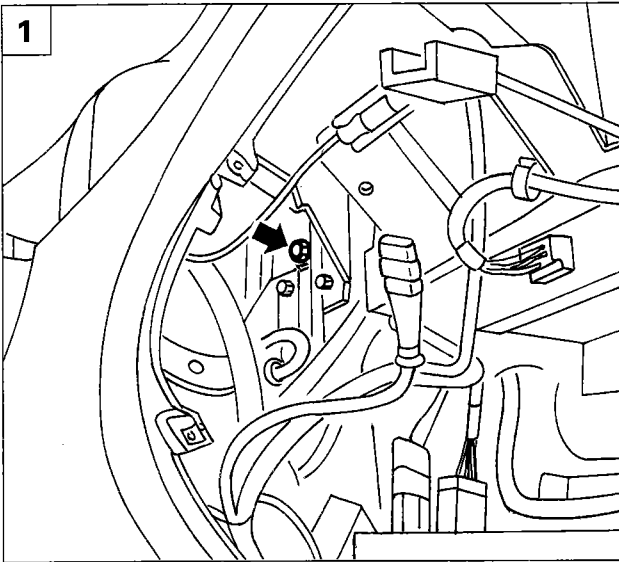
1. Undo the bolts fixing the dashboard to the bodyshell, left side.
 2. Undo the bolts fixing the dashboard to the steering column.
 3. Undo the fixing bolt between the dashboard and the bodyshell.
 4. Disconnect the two connectors (A) for the alarm system emergency key.
- Undo the bolt (B) fixing the dashboard to the bodyshell.



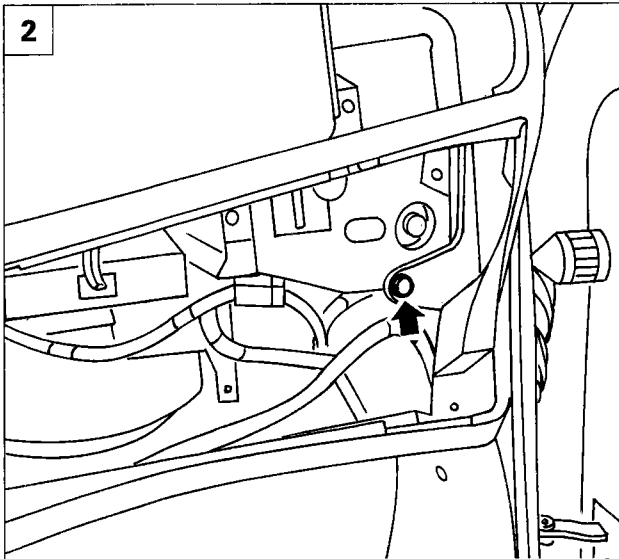
P4F15AM03



P4F15AM04



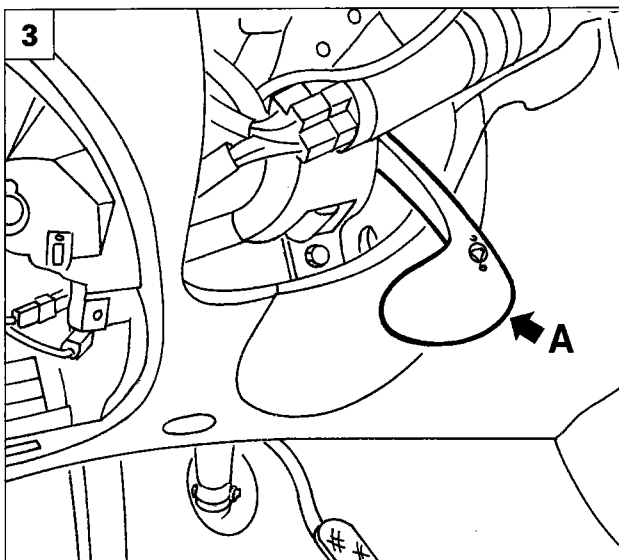
P4F16AM01



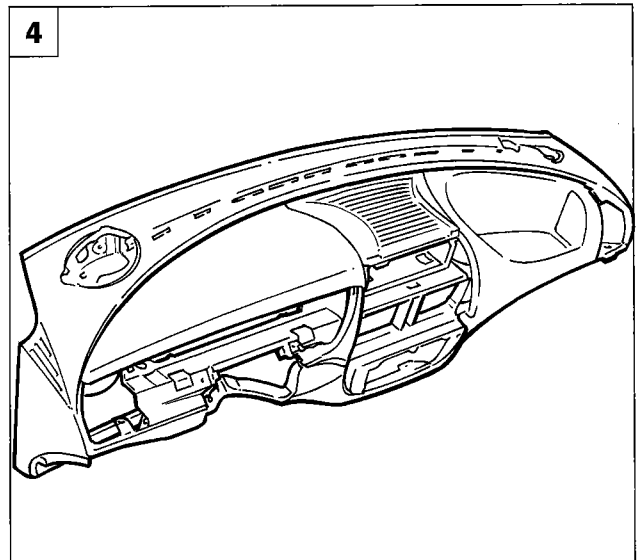
P4F16AM02



1. Working in the centre of the dashboard, undo the bolt shown.
2. Working on the right hand side of the dashboard, undo the bolt shown.
3. Loosen the steering wheel lever (A) adjustment nut.
4. Remove the dashboard from the vehicle, with the help of a second operator.

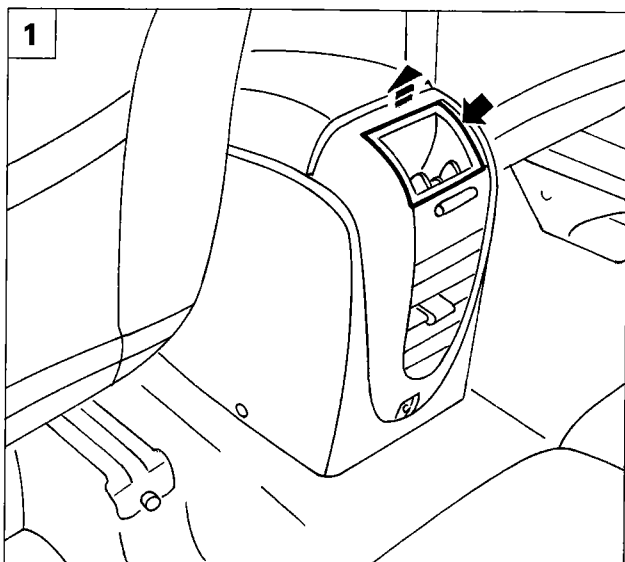


P4F16AM03



P4F16AM04

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P4F060M01



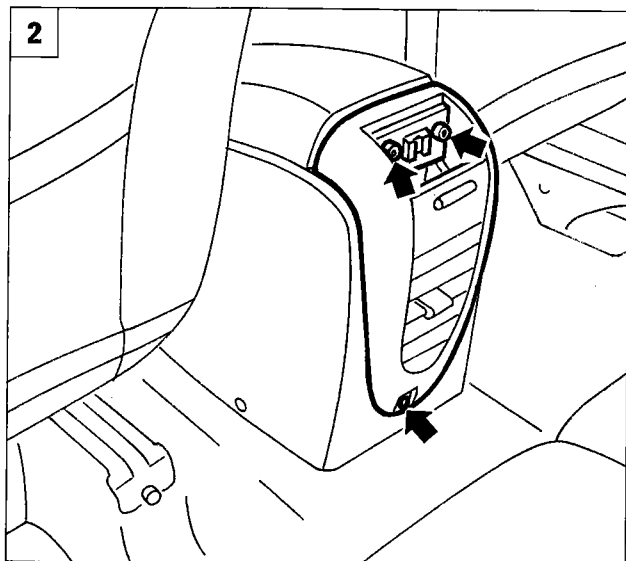
**REMOVING-REFITTING
REAR AIR VENT**

1. Extract the rear ashtray.
2. Undo the bolts shown and remove the rear air vent



**REMOVING-REFITTING TUNNEL COVER
ARMREST**

- Remove the rear air vent, following the instructions given above.
3. Undo the rear fixing bolt and remove the tunnel cover armrest.

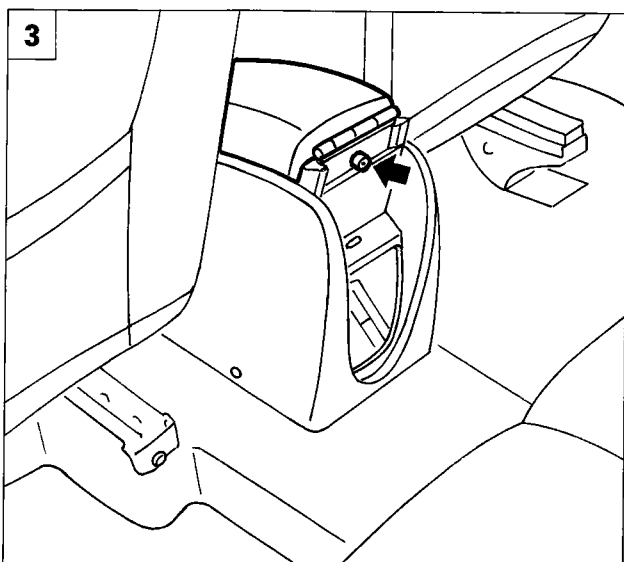


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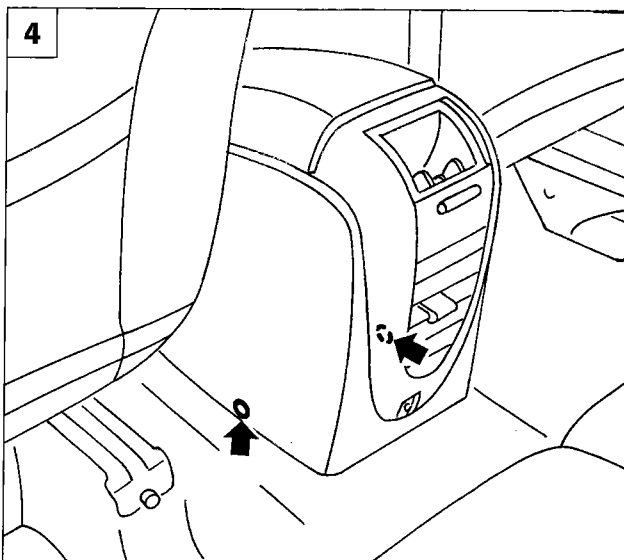


**REMOVING-REFITTING TUNNEL COVER
ODDMENTS TRAY**

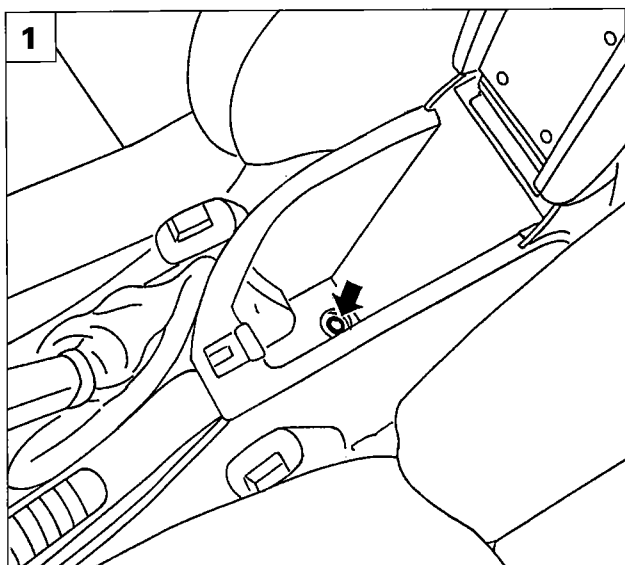
4. Undo the rear bolts illustrated.



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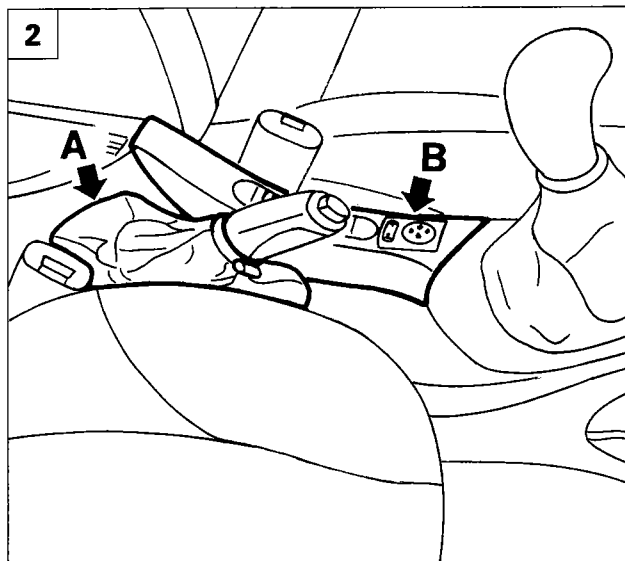
P4F060M04



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1. Lift up the armrest and undo the bolt shown.
2. Remove the boot (A) for the handbrake lever.
 - Remove the trim (B) and move it aside gently.
3. Disconnect the connectors (A) and remove the trim.
 - Undo the bolt (B) and remove the gear lever boot.
 - Undo the bolts (C) and (D).
4. Working on both sides, undo the bolts fixing the protection and remove the tunnel cover oddments tray (A).



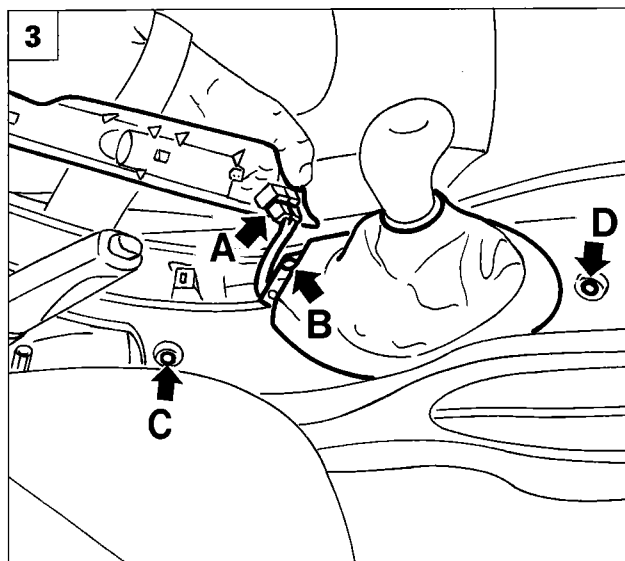
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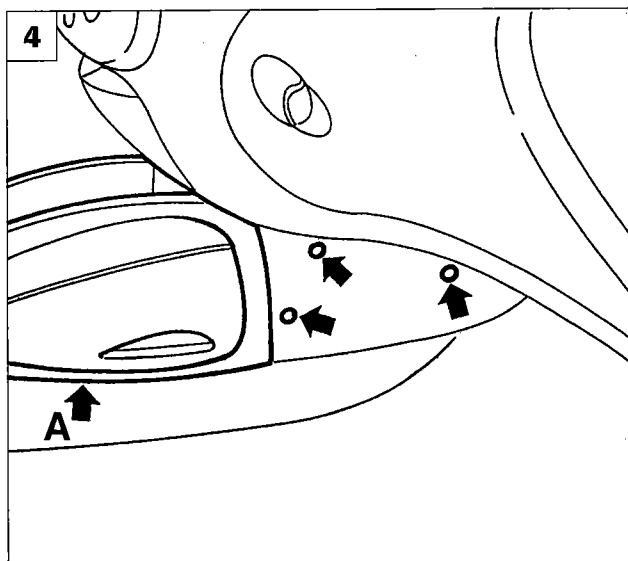
NOTE *To refit, simply reverse the order of the operations carried out for the removal.*

REMOVING-REFITTING FRONT SEAT BELTS

- See:
- for vehicles fitted with Air Bags: Group 55
 - Air Bag and pre-tensioners.
 - for vehicles without Air Bags: Group 70 - mechanically operated pre-tensioners.

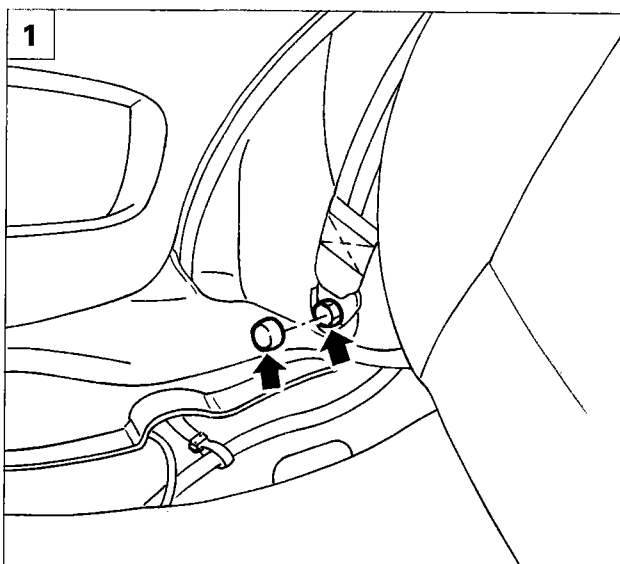


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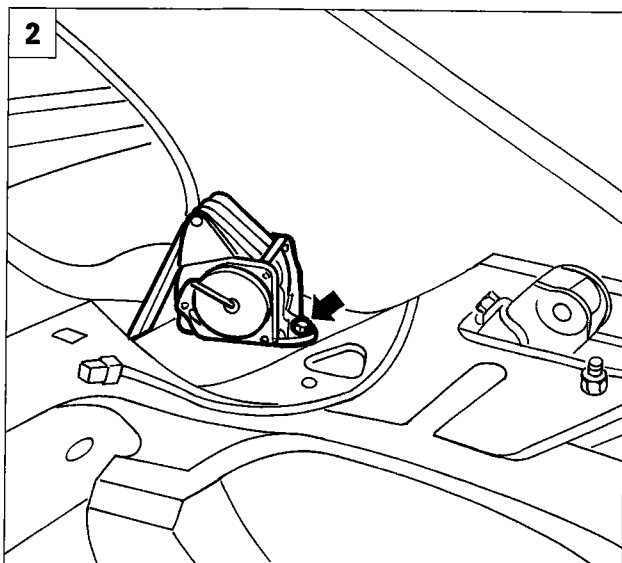
REMOVING-REFITTING REAR SEAT BELTS (Marea)



- Remove the rear parcel shelf, as described in the specific paragraph.

1. Remove the fixing cover shown, then undo the lower belt fixing bolt.
2. Undo the fixing bolt and remove the reel.

NOTE *To refit, simply reverse the order of the operations carried out for the removal. Tighten all the bolts to a torque of 4 daNm.*



P4F062M02



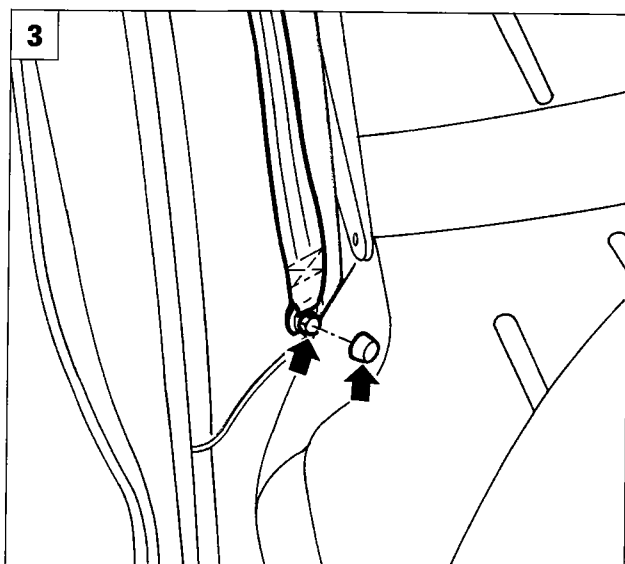
REMOVING-REFITTING REAR SEAT BELTS (Marea Weekend)



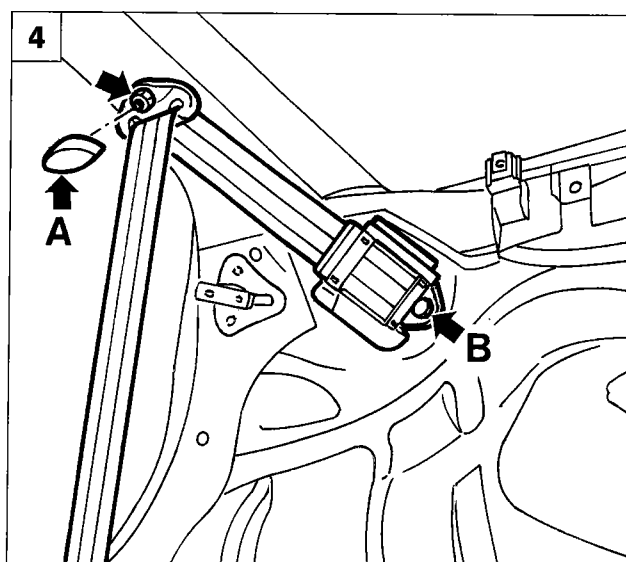
- Remove the luggage compartment side lining working as described in the specific paragraph.

3. Remove the fixing cover shown, then undo the lower belt fixing bolt.
 4. Remove the trim (A) and undo the seat belt idler fixing nut (B) underneath.
- Undo the fixing bolt and remove the reel.

NOTE *To refit, simply reverse the order of the operations carried out for the removal. Tighten all the bolts to a torque of 4 daNm.*



P4F062M03



P4F062M04

NOTE For vehicles *EQUIPPED WITH AIR BAGS* the pre-tensioners are electrically operated, controlled by the same control unit as the Air Bags (see Group 55).
For vehicles *WITHOUT AIR BAGS* the pre-tensioners are *MECHANICALLY OPERATED PYROTECHNIC DEVICES* and are illustrated below.

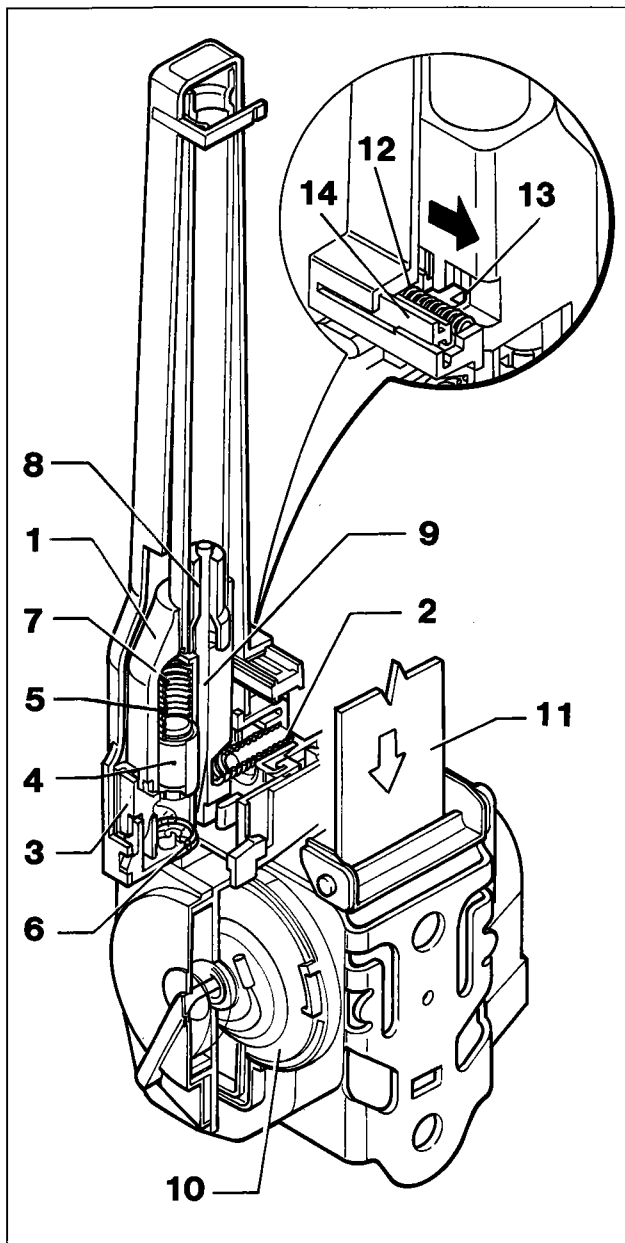
INTRODUCTION

PRE-TENSIONERS for seat belts are devices integrated in the reel which, in the case of a frontal impact, recover the inevitable lengthening of the belts due to the action of the weight of the body of the person in the seat, ensuring that they remain close to the backrest.

In effect, it is vital for the belt to remain as close as possible to the person's body in order to gradually absorb the kinetic energy which they assume during the impact.

The lengthening of the belt can be due to the following causes:

- delay in the operation of the inertia locking device;
- stretching of the belt fibres;
- wrapping of the belt around the reel (spooling effect);
- thick clothing which increases the distance between the belt and the chest.



P4F101M01

Diagram showing operation of pre-tensioner

OPERATION

The pre-tensioner fitted on the vehicle is equipped with a special bracket (see pages which follow) which has the task of activating the system.

This takes place because the end of the above mentioned bracket acts on the pulley (14) overcoming the spring (12) loading and pushing the pulley (14) tooth (13) in the direction of the arrow shown in the detail of the diagram, releasing the oscillating mass (1) allowing it to act.

Sudden deceleration, caused by an impact causes the oscillating mass (1) to move forwards and compresses the opposing spring (2). If the deceleration is sufficiently rapid, the oscillating mass engages in such a position that it releases the gas generator (4) from its retaining system (3) which moves downwards, through the action of the thrust spring (5) and comes into contact with the striker (6) which engages the charge.

This gives rise to the combustion of the pyrotechnic charge which activates the main charge and the gases which develop in the chamber (7) flow, through the appropriate port, to the piston (8) causing the rapid movement along the expansion chamber.

The metal rod (9), fixed at one end to the piston and at the other to a pulley fitted on the actual axis of the winding (10) for the belt (11) produces the rotary movement required for the rewinding.

At the end of the operation the reel locks in the maximum belt recall position on the body of the occupant of the appropriate seat.

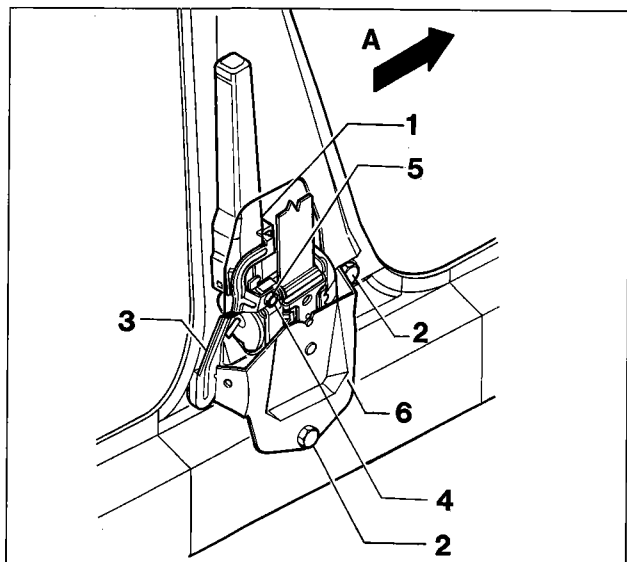


The locking of the seat belt is an indication that the pre-tensioner has been activated or of a malfunction of the reel. In both cases the device must be replaced.

REMOVING BRACKET



The removal of the brackets prevents the pyrotechnic device from being accidentally activated. This operation **should be carried out** each time a service operation which could cause the device to be accidentally activated is carried out. The bracket should **ALWAYS ONLY BE RE-FITTED** with the pre-tensioner unit fitted on the vehicle in order to avoid personal injury to the operators.

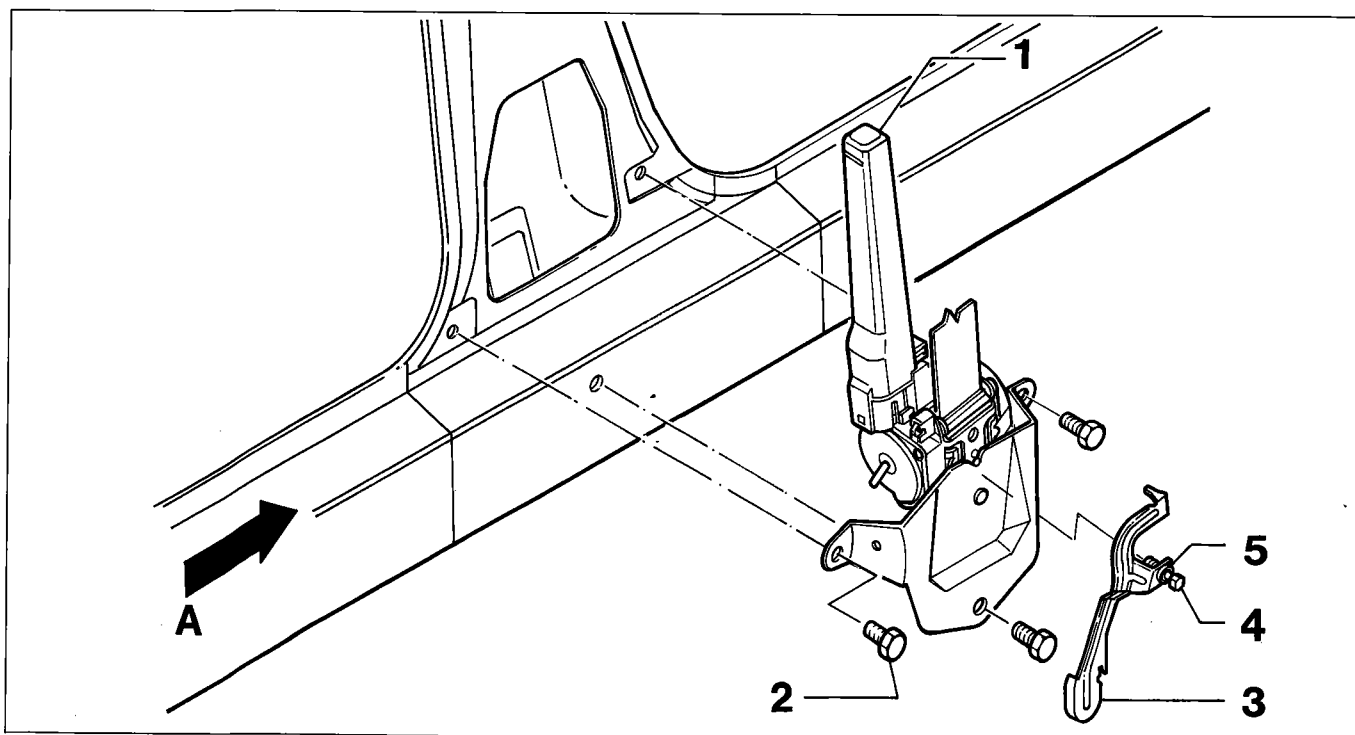


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Break the protective collar (5) (guarantee seal), undo the fixing bolt (4) and remove the bracket (3) (see also diagram below). Undo the bolts (2) fixing the pre-tensioner support to the bodyshell and remove the support assembly (6) and pre-tensioner (1) from the pillar and separate the two components.

REFITTING SEAT BELT WITH PRE-TENSIONER

To refit the pre-tensioner assembly (1) on the vehicle it is necessary firstly to fix the pre-tensioner (1) to the bodyshell using the bolts (2) which should be tightening to a torque of 4 daNm; then fix the bracket (3) using the double headed yield point type bolt (4) tightening it to a torque of 0.7 daNm.



A = direction of travel

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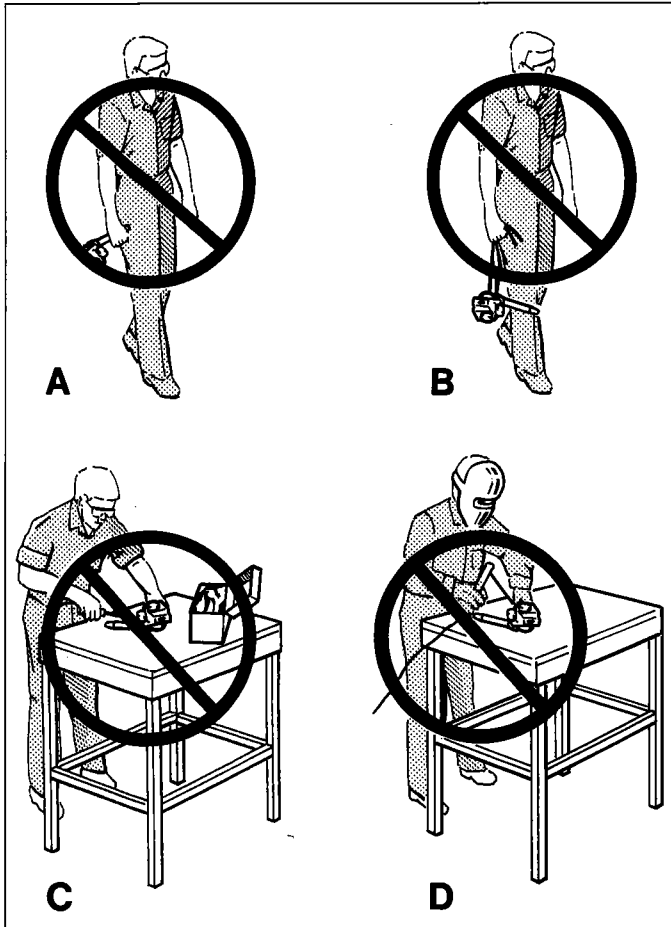
NOTE It should be remembered that the system is correctly set when the head of the bolt (4) breaks at the correct point.

The bolt (4) and the bracket (3) should be replaced each time the pre-tensioner is removed.

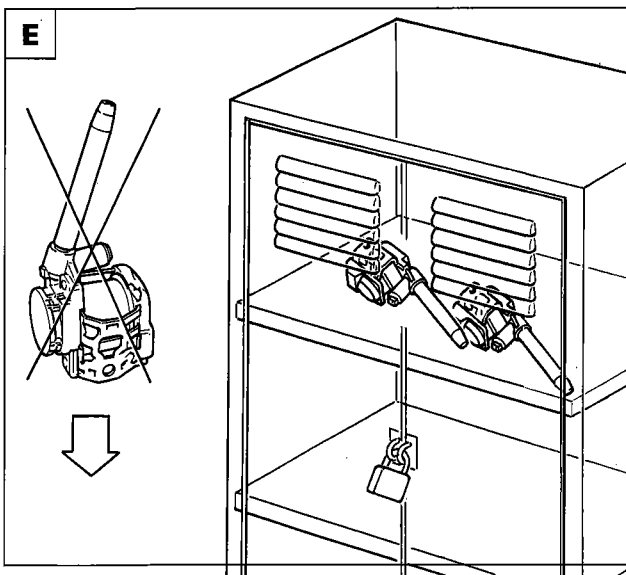
SAFETY INSTRUCTIONS WHEN HANDLING SEAT BELT UNIT WITH PRE-TENSIONER

Pre-tensioners are dangerous and therefore they must be handled and stored correctly in order to prevent damage or injury.

In normal conditions, pre-tensioners only activate during impact and during operation they develop small quantities of gases which contain mainly nitrogen which is not a toxic gas.



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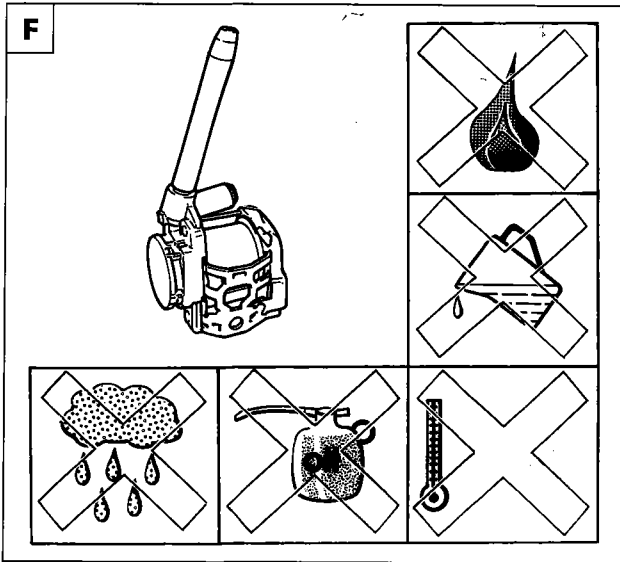
*The following instructions **MUST** be observed for the safety of operators and the condition of the seat belt assembly with pre-tensioner. It is important that the person carrying out operations to the device is suitably trained.*



Before all operations, remove the bracket.

- A. Do not move the pre-tensioner by gripping it by the pipe.
- B. Do not move the pre-tensioner by gripping it by the belt.
- C. Do not tamper with or carry out any repairs to the pre-tensioner, all defective pre-tensioners should be sent to the manufacturer.
- D. Do not subject pre-tensioners to percussion, drilling, mechanical working or heating during welding.
- E. Take care not to drop pre-tensioners or subject them to impacts; if they are accidentally dropped from a height of more than 1 metre, they should no longer be used, but returned to the manufacturer. When operations on the vehicle require the temporary removal of the pre-tensioners, they should be placed in a locked metal cupboard suitable for housing pyrotechnic charges in accordance with the laws in force on the subject.
- F. Keep naked flames, solvents and lubricants away from the cupboard and do not expose it to temperatures in excess of 90 °C. At temperatures above 140 °C, the gas generator may self-ignite.
 - If a pre-tensioner which has been activated has to be handled, wear protective gloves and goggles. If the device has been activated, **ALWAYS** wait at least 10 minutes before carrying out any operations to it.
 - Wash your hands with soap and water after having handled the device.

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If as a result of exceptional atmospheric conditions (flood, high tide, etc.) the water and mud reaches such a height that it affects the device components, then the device must be replaced.



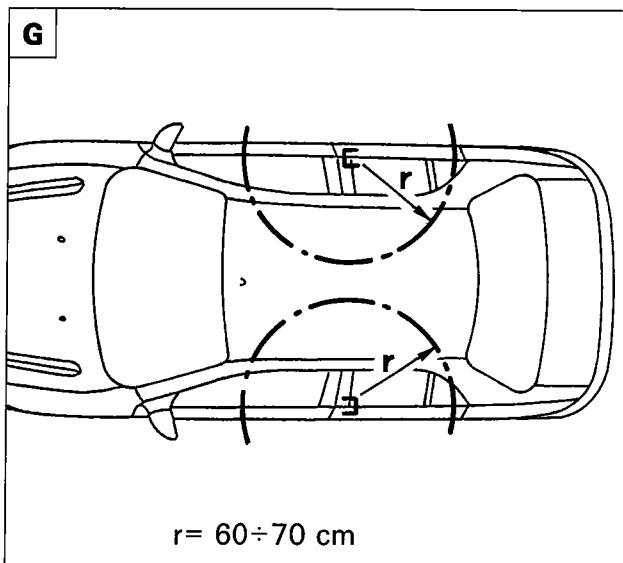
Pre-tensioners do not require any maintenance and should definitely not be lubricated. Any operations modifying its original conditions mean that it cannot be used.

Bodywork operations

G. Do not subject the area surrounding the pre-tensioner (60-70 cm radius) to impact during bodywork repairs (for example the use of a hammer); if necessary, remove the complete pre-tensioner assembly.

If painting operations require the use of lamps in the area surrounding the pre-tensioner or welding or brazing has to be carried out, the complete reel-pre-tensioner assembly must be removed.

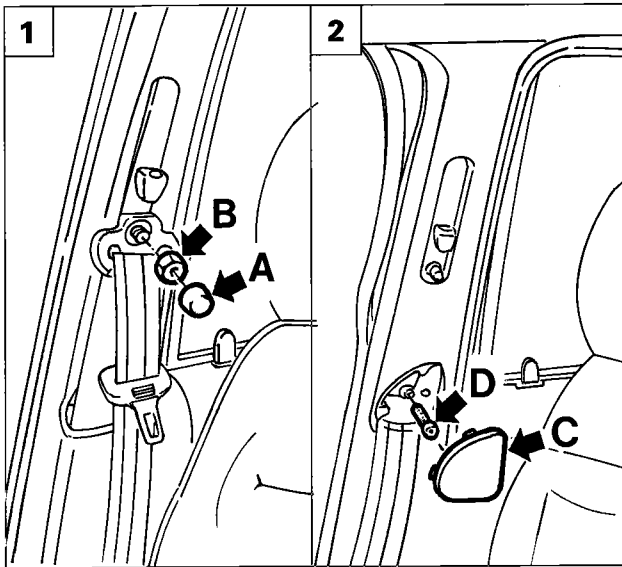
A pre-tensioner which did not activate in the case of an accident should be considered still active; therefore those which have not exploded through problems or have reached the end of the warranty should be replaced and returned (see description for Air Bag modules (see section 55 - Electrical equipment)).



Ordering methods

Follow the same procedures already described for ordering Air Bag modules (see section 55 - Electrical equipment).

NOTE Pre-tensioners have been specially designed to be fitted on every individual type and marque of vehicle therefore they cannot be adapted, reused or fitted on other vehicles, only those for which they were designed and produced. Any attempts to reuse, adapt or install pre-tensioners on a different type of vehicle could result in serious or fatal injuries to the occupants of the vehicle in the case of either an accident or normal usage. After fitting the bracket, the pre-tensioner can be activated if struck with sufficient force.

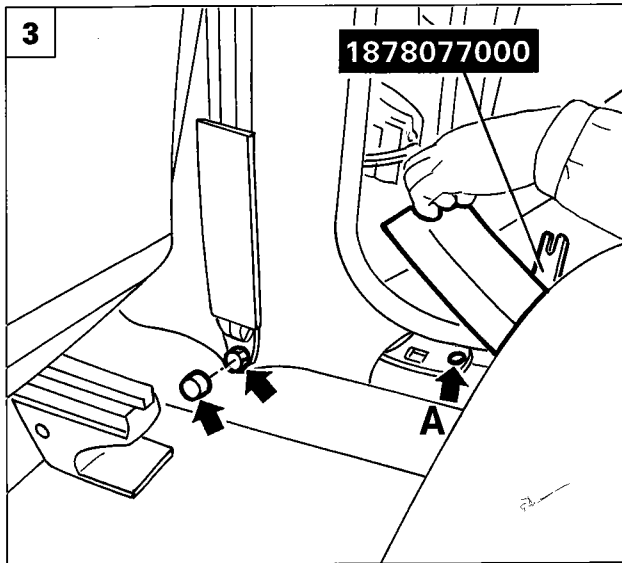


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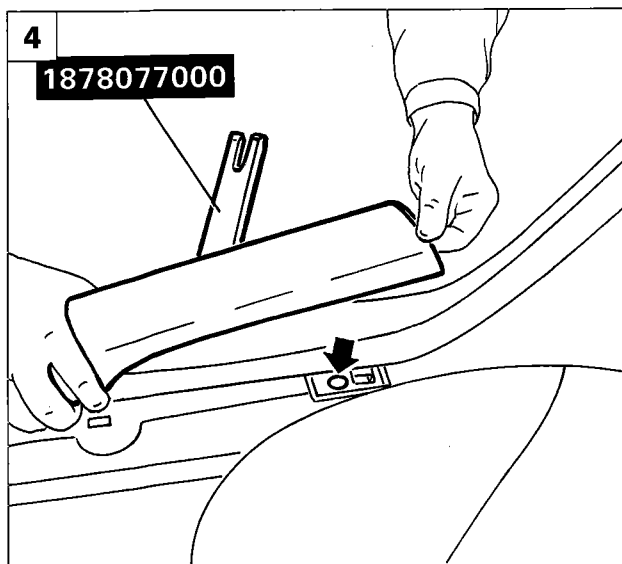


REMOVING-REFITTING PRE-TENSIONERS

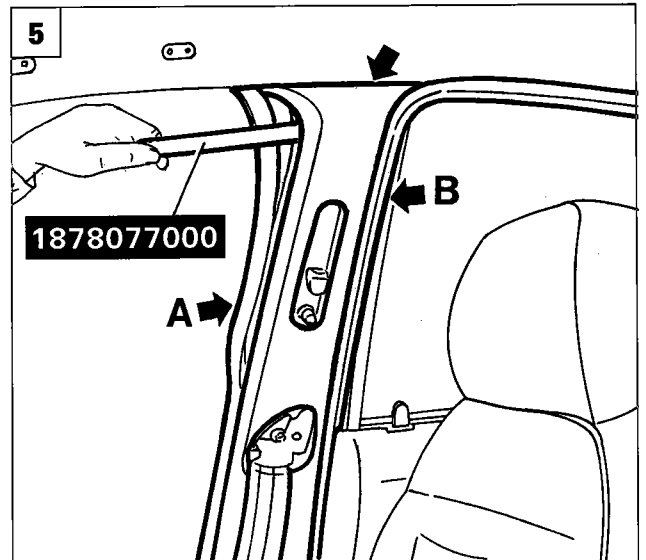
1. Remove the fixing cover (A) and undo the height adjustment nut (B) for the front seat belt.
2. Remove the bolt cover (C), then undo the bolt (D) fixing the pillar cover.
3. Remove the fixing cover and undo the bolt fixing the front seat belt. Using tool 1878077000, release and raise the rear running board, then undo the bolt (A) fixing the pillar cover.
4. Undo the front bolt under the dashboard for the running board and, using tool 1878077000, release and raise the front running board. Undo the bolt fixing the pillar cover.
5. Move the door trims (A) and (B) aside by the pillar cover; remove the centre pillar cover using tool 1878077000, to gain access to the pre-tensioner device.



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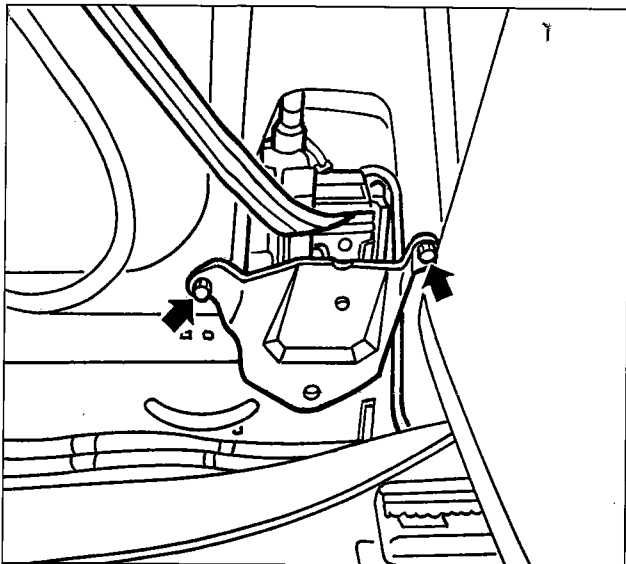


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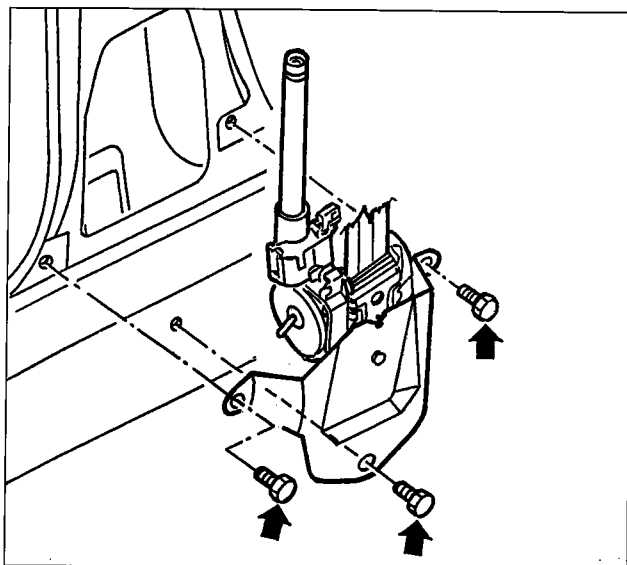
P4F106M01



Prima di operare sul pretensionatore, rimuovere la staffa di armamento (vedere pagine precedenti).



ATTENERSI INOLTRE A TUTTE LE NORME DI SICUREZZA PRECEDENTEMENTE ILLUSTRATE.



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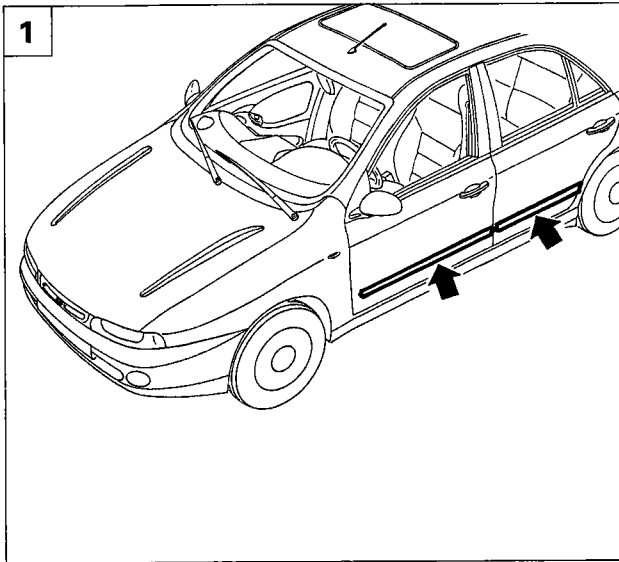


- Rimuovere la cintura completa di pretensionatore, svitando le viti di fissaggio.

NOTA Per il riattacco, invertire opportunamente la successione delle operazioni eseguite per lo stacco. Serrare a fondo le tre viti di fissaggio (**coppia prescritta 4 daNm**).



A pretensionatore montato, rimontare una nuova staffa di armamento con le relative viti a frattura prestabilita.



P4F063M01



**REMOVING-REFITTING
SIDE RUBBING STRIPS**

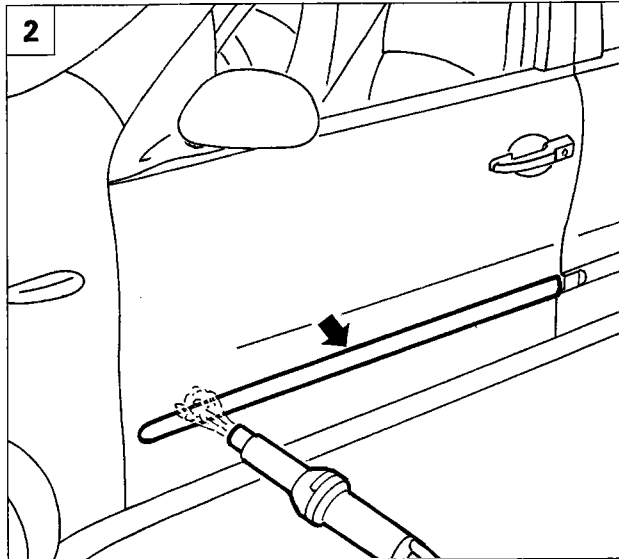
1. The trims concerned are those illustrated in the diagram.

Removing

2. Heat the panel near the trim to be replaced to facilitate the removal of the double-sided tape from the bodyshell.
3. Working appropriately, using a plastic spatula, gradually remove the rubbing strip from the bodyshell; also remove the residues of the double-sided tape.



Do not reuse rubbing strips which have been removed.

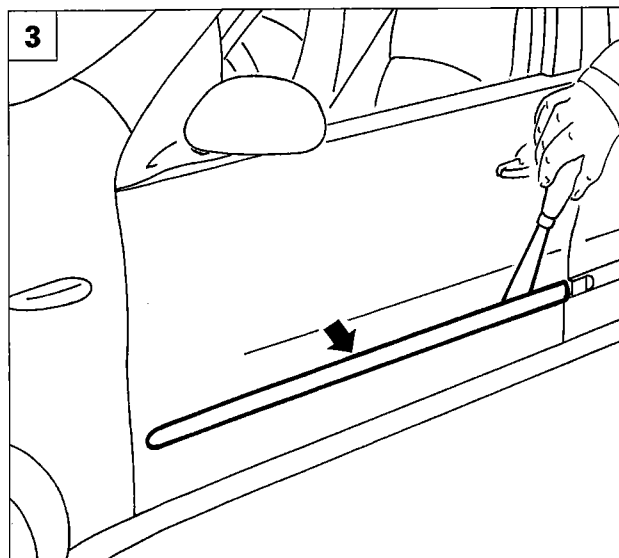


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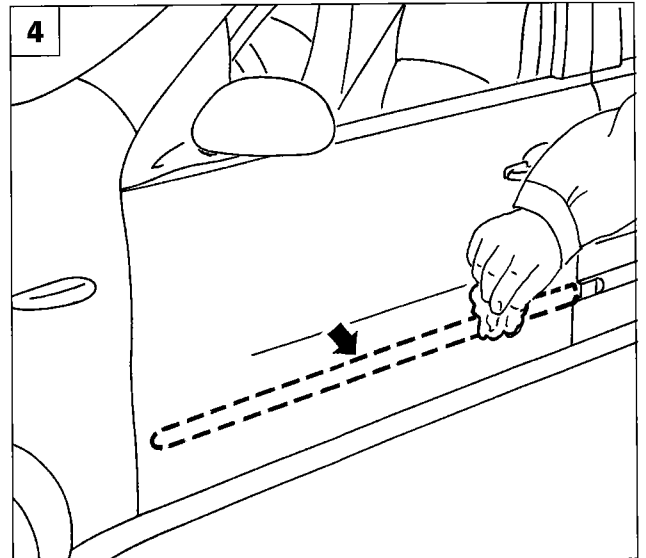


Refitting

4. Thoroughly clean and degrease the area of the bodyshell where the trim is fitted using heptane.

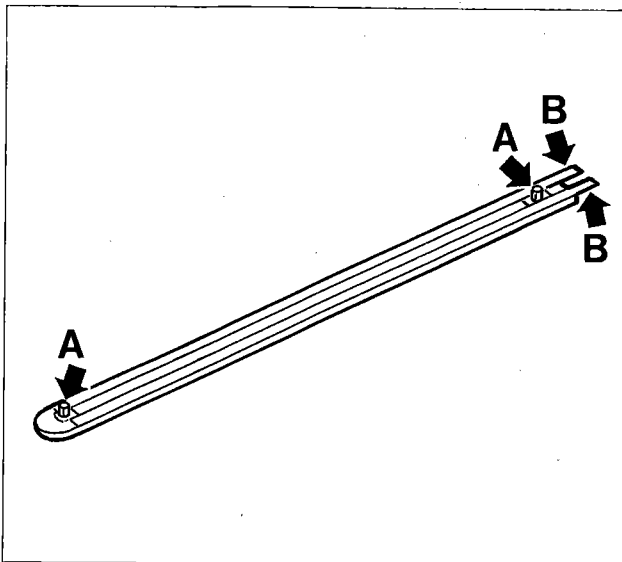


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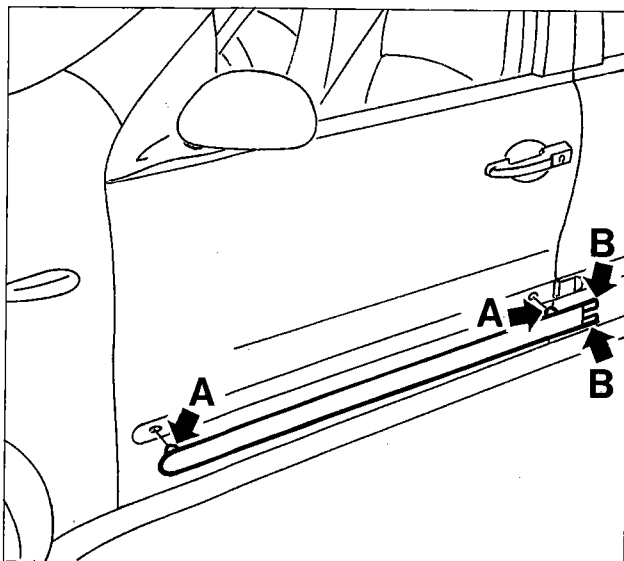
P4F064M01



- Check that the replacement trim has the protective caps for the fixing springs (A); check the condition of the protective film (B) on the double-sided tape.



The operations to the trim should be carried out with the temperature of the surrounding area of the bodyshell above 18° C (lower temperatures will alter the polymerization of the adhesive with adverse effects on the adhesion properties).



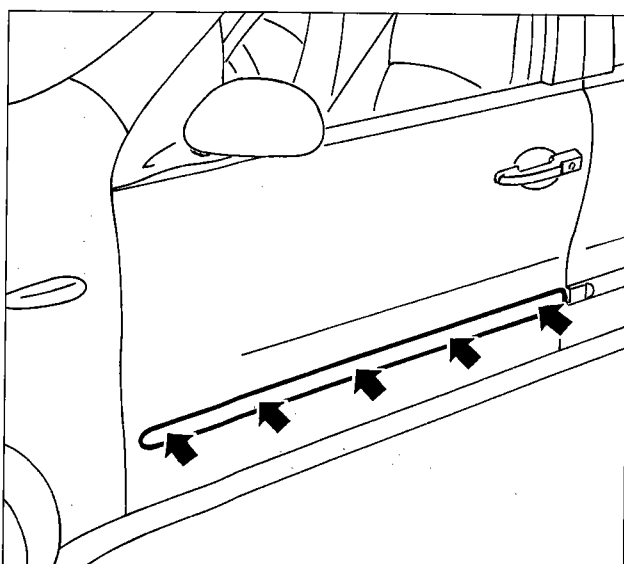
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- Check the alignment of the springs (A) fixing the trim with the openings in the bodyshell. Remove the protective film (B) from the double-sided tape and position the fixing springs (A) in the appropriate openings at the same time assisting the adhesion of the double-sided tape to the bodyshell, through gentle pressure applied manually along the entire trim.



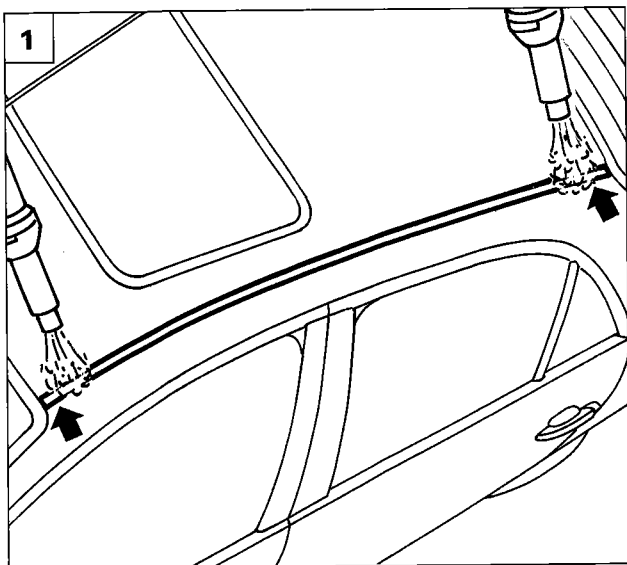
It is absolutely forbidden to touch the adhesive surfaces with your hands.



P4F064M03



- Exert constant pressure once again (10-20 daN) along the entire length of the trim to ensure that any air bubbles are completely expelled and the double-sided tape sticks perfectly to the surface of the bodyshell.



P4F065M01

**REMOVING-REFITTING SIDE TRIMS
ON ROOF PANEL****Removing**

1. Heat the panel near the two ends of the trim to facilitate the removal of the two sections of double-sided tape from the roof panel (see figure 4, for the extension of the double-sided tape).
2. Working appropriately using a plastic spatula, gradually remove the trim from the roof; also remove any residues of double-sided tape.



Do not re-use the trim removed.

Refitting

3. Thoroughly clean and degrease the housing of the trim in the roof, using heptane, paying special attention to the areas where the double-sided tape will be stuck.
4. Check the condition of the protective film (A) on the double-sided tape on the replacement trim.



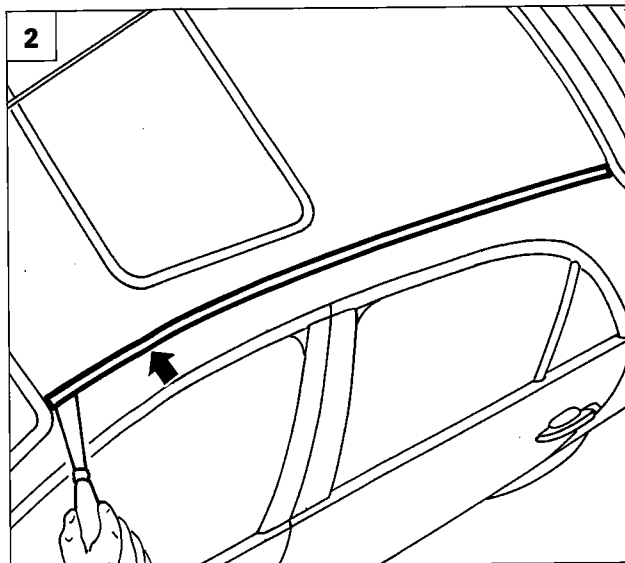
The sticking should be carried out with the temperature of the areas involved on the roof and the upper trim at 18° C (lower temperatures alter the polymerization of the adhesive with consequent deterioration of the sticking).

5. Insert the trim in the housing starting from the rear of the vehicle using the heated rear windscreen as a reference, removing the protective film (A) from the double-sided tape just before sticking.

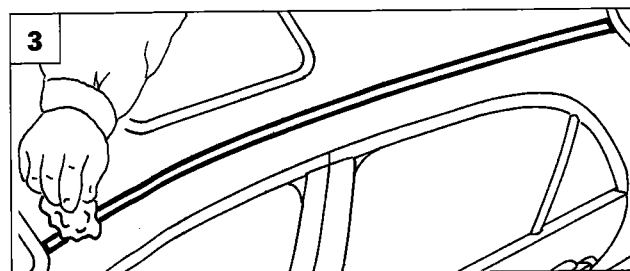


It is absolutely forbidden to touch the adhesive surfaces with ones hands.

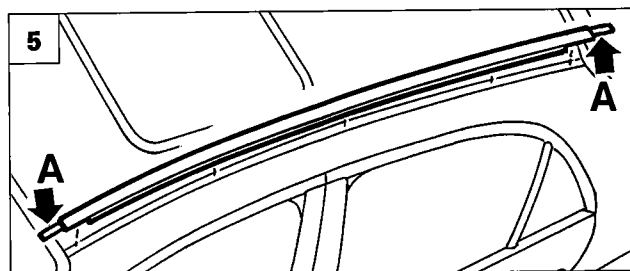
6. Exert constant pressure (10-20 daN) once again on the areas of the double-sided tape to ensure perfect adhesion.



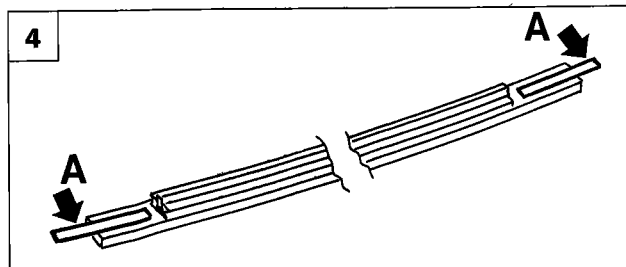
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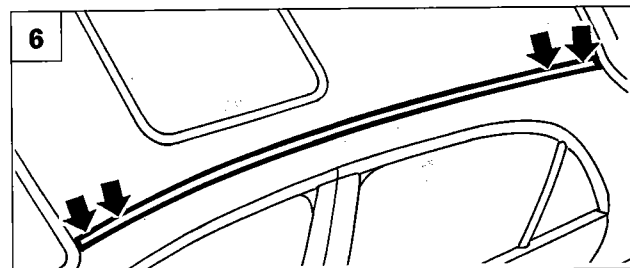
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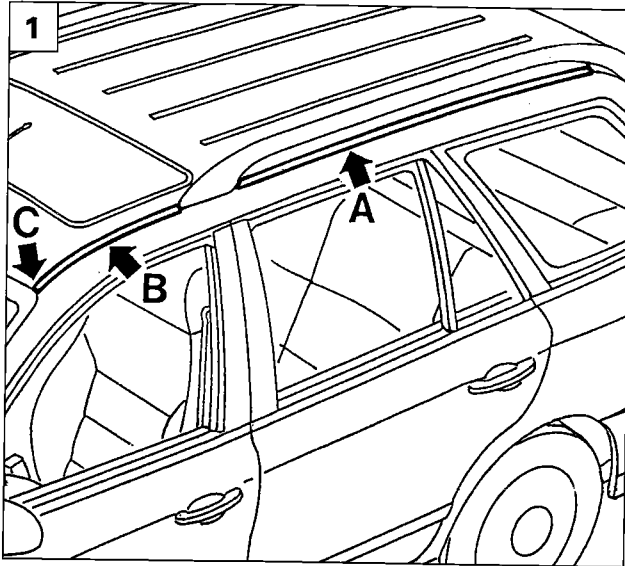


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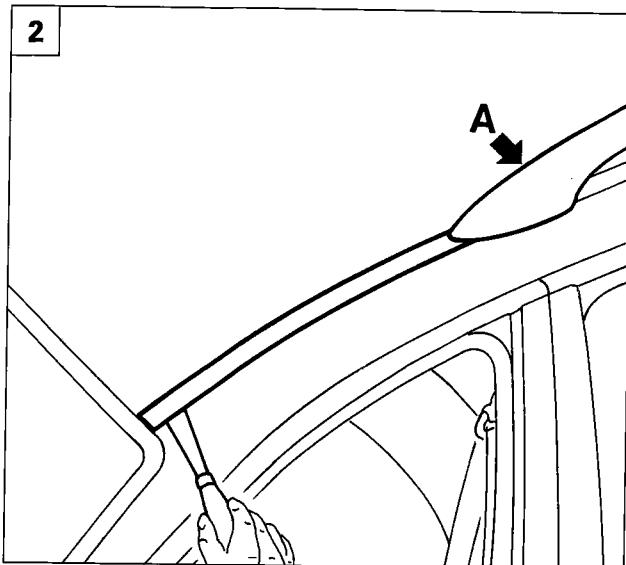
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REMOVING-REFITTING SIDE TRIMS ON ROOF PANEL

Removing

1. In order to remove the rear trim (A) it is necessary to disconnect the roof rail from the rear side (see pages which follow). The trim (B) is stuck to the front end (C) with double-sided tape (see fig. 4 for the extent of the double-sided tape) therefore the panel near the end involved must be heated to facilitate the removal of this double-sided tape.
2. Working appropriately using a plastic spatula, gradually remove the trim from the roof panel, removing it underneath the rail (A); also remove the residues of double-sided tape.



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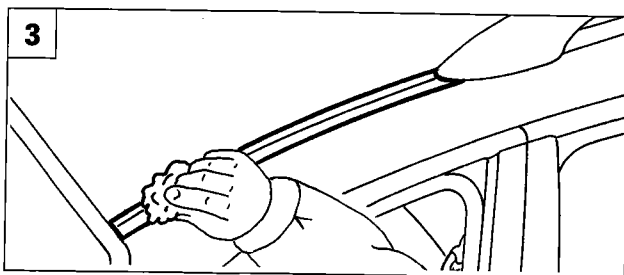
Do not re-use the trims removed.

Refitting

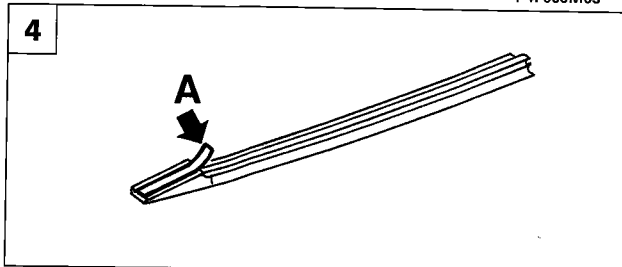
3. Thoroughly clean and de-grease the housing of the trim in the roof using heptane, paying special attention to the area where the double-sided tape will be stuck.
4. Check the condition of the protective film (A) on the double-sided tape on the replacement trim



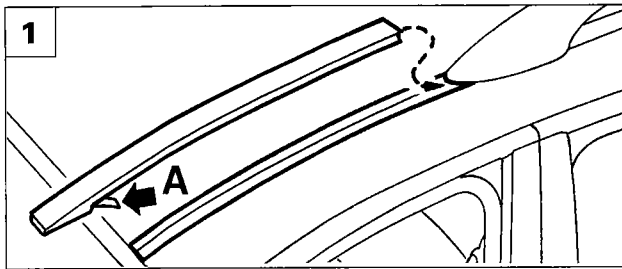
The sticking of the double-sided tape should be carried out with the temperature of the areas of the roof and trim involved above 18° C (lower temperatures alter the polymerization of the adhesive with consequent deterioration of the sticking)



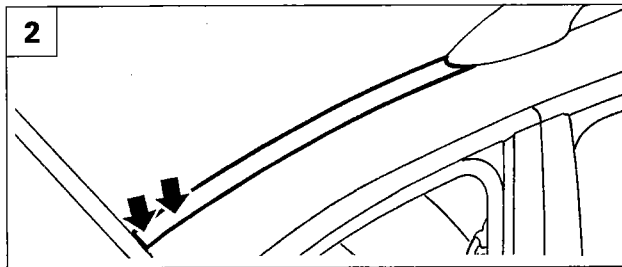
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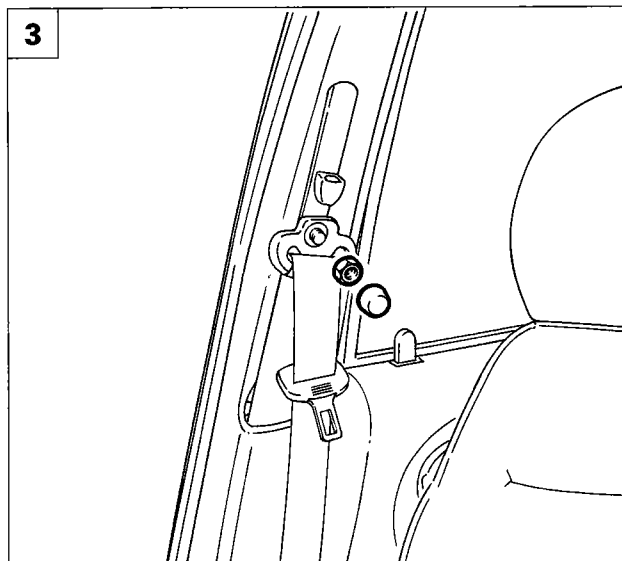
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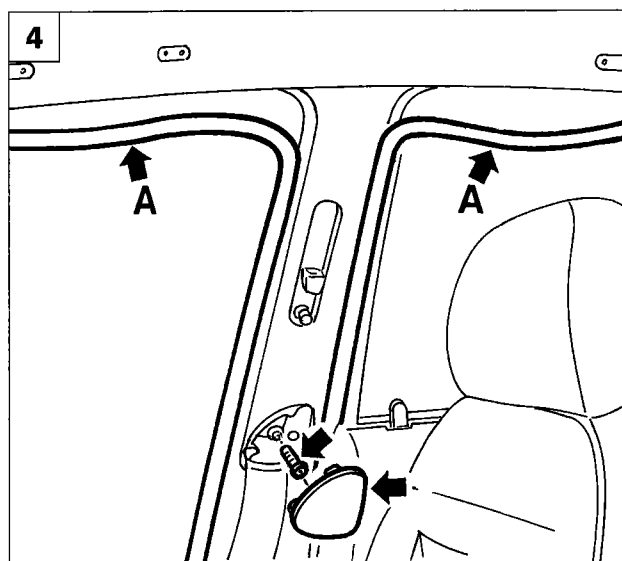
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1. Insert the trim in the housing removing the protective film (A) from the double-sided tape, just before sticking.



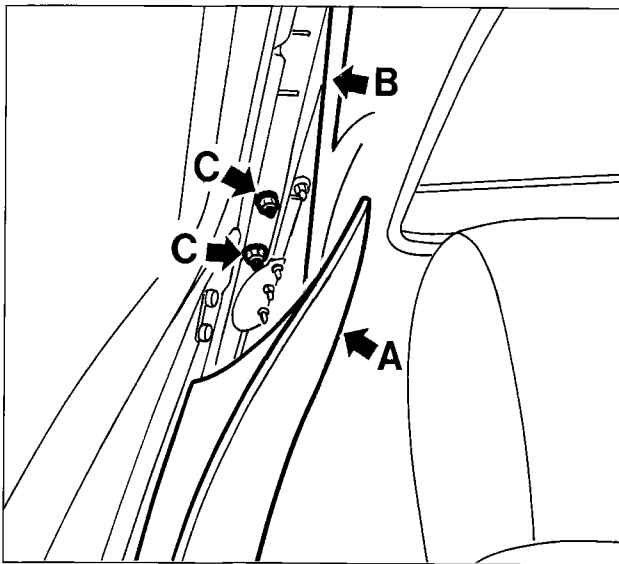
IT IS ABSOLUTELY FORBIDDEN TO TOUCH THE ADHESIVE SURFACES WITH YOUR HANDS.

2. Exert constant pressure (10-20 daN) in the area of the double-sided tape to ensure perfect adhesion.

REMOVING-REFITTING ROOF RAIL

- Remove the rear light cluster following the instructions in Section 55 - Electrical equipment.
 - Remove the front and rear passenger grab handles following the instructions in the specific paragraph.
 - Remove the luggage compartment pillar cover, following the instructions in the specific paragraph.
3. Remove the fixing cover and undo the height adjustment nut for the front seat belt.
 4. Remove the bolt cover, then undo the bolt fixing the pillar cover. Move the door housing seal (A) aside by the roof lining.

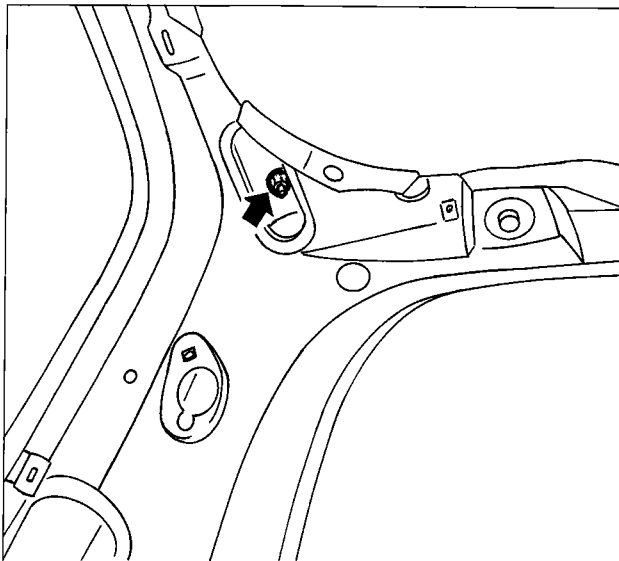
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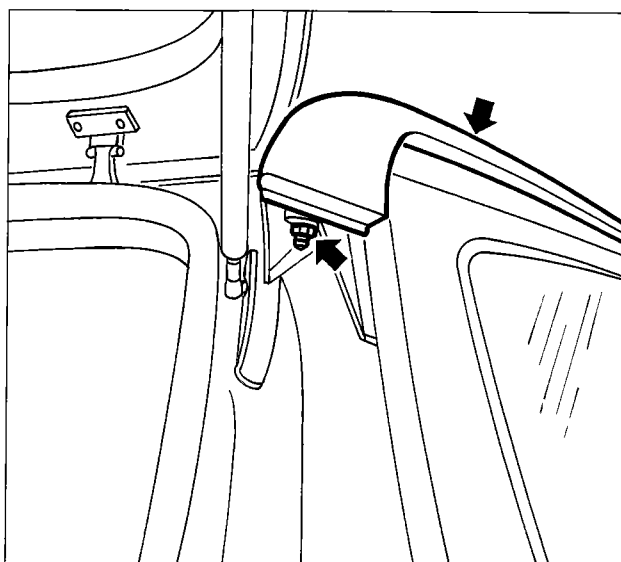
- Move the upper part (A) of the centre pillar inner cover and the edge (B) of the roof lining gently aside, then undo the bolts (C) fixing the roof rail.



P4F068M02



- From inside the rear pillar, undo the bolt shown fixing the roof rail.



P4F068M03



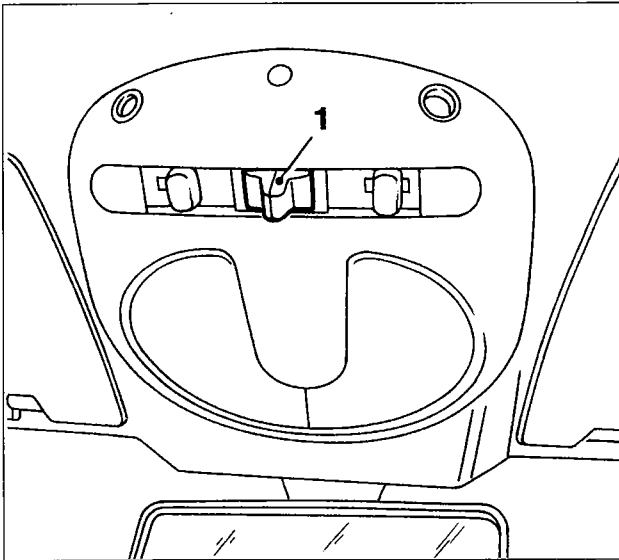
- From outside the rear pillar, undo the bolt shown and remove the roof rail.

NOTE *To refit, simply reverse the order of the operations carried out for the removal.*

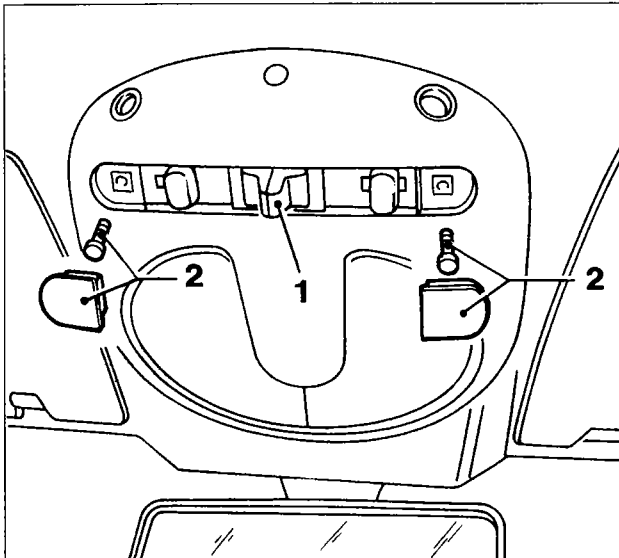
INTRODUCTION

The sun roof is electrically operated. It has a glass closing flap which allows 25% of light and energy to pass. Its complete or partial opening is controlled by a button (1) on the upper courtesy light.

The opening of the sun blind is manual and independent of the operation of the sun roof.



P4F31AM01

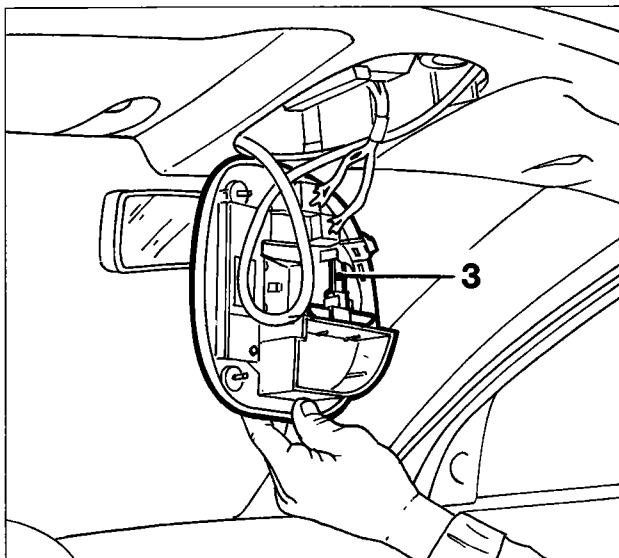


P4F31AM02

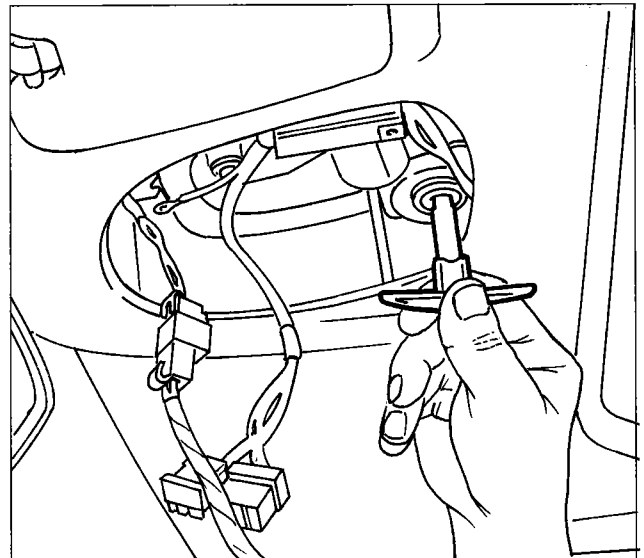
Emergency manoeuvre

If the electrically operated device fails, the sun roof can be operated manually, proceeding as follows:

- remove the caps and the bolts (2);
- extract the special key (3) from inside the courtesy light;
- insert it in the special splining in the electric motor, then rotate and move the roof.



P4F31AM03

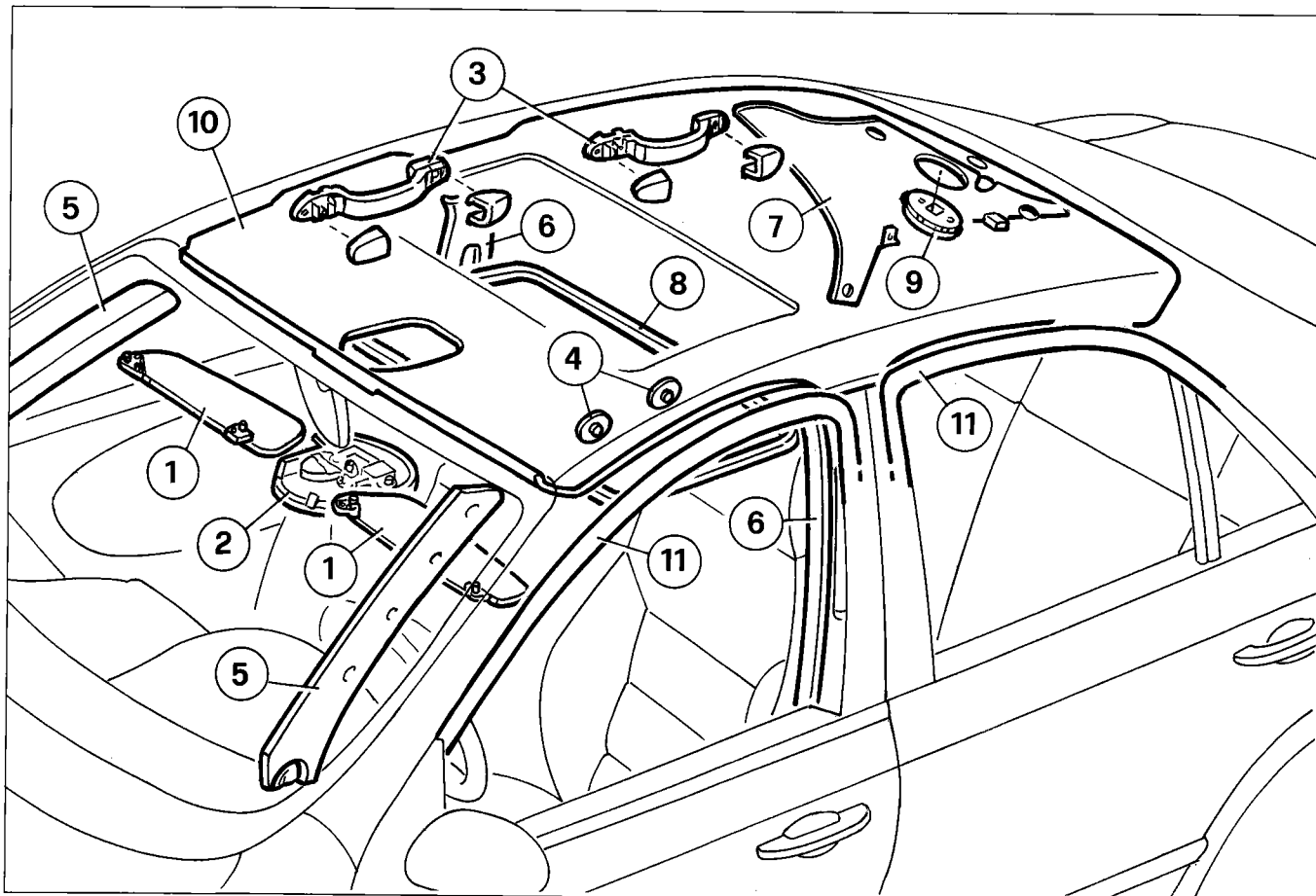


P4F31AM04

70.

Dismantling the vehicle

Remove the parts shown in the diagram; see the specific paragraphs for the removal procedures. The are numbered in the order of dismantling.



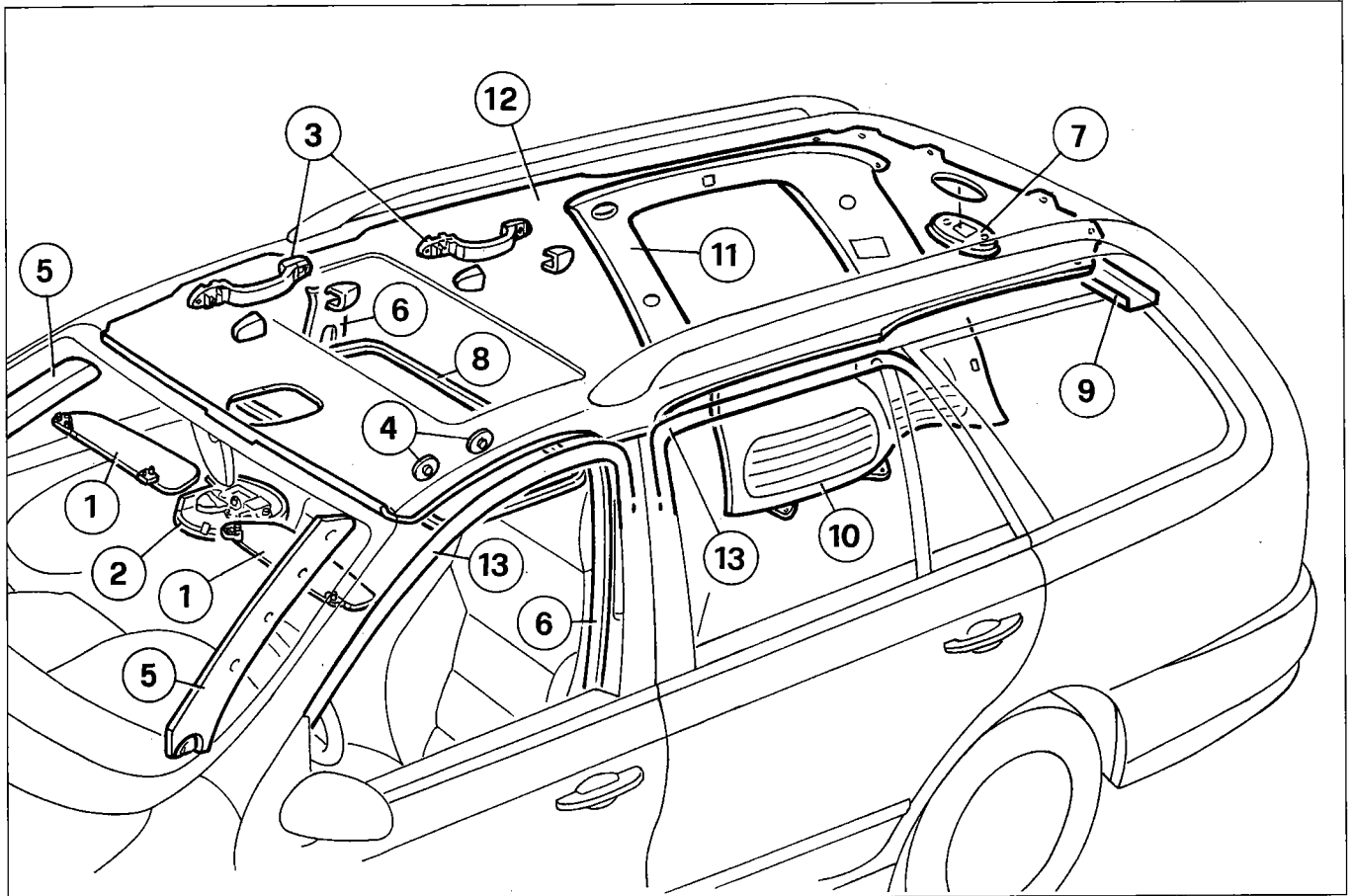
P4F32AM01

1. Sun visors and attachments
2. Front courtesy light
3. Grab handles
4. Roof lining fixing trims
5. Front pillar covers

6. Centre pillar covers
7. Rear pillar covers
8. Sun roof flap trim
9. Rear courtesy light
10. Roof lining
11. Door housing seals

Dismantling the vehicle

Remove the parts shown in the diagram: see the specific paragraphs for the removal procedures. The parts are numbered in order of dismantling



P4F33AM01

- 1. Sun visors and attachments
- 2. Front courtesy light
- 3. Grab handles
- 4. Roof lining fixing trims
- 5. Front pillar covers
- 6. Centre pillar covers

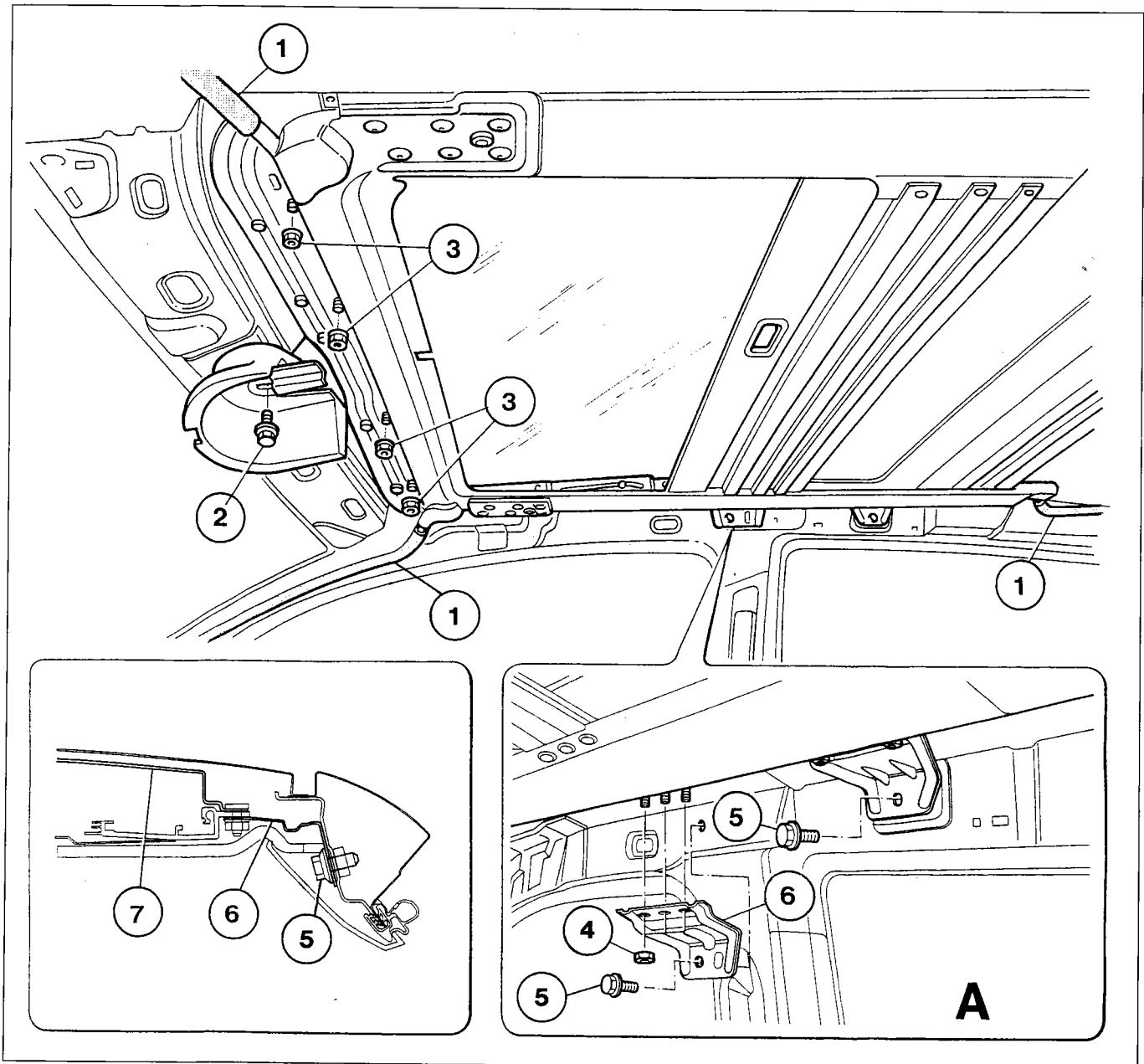
- 7. Rear courtesy light
- 8. Sun roof flap trim
- 9. Upper luggage compartment covering
- 10. Luggage compartment side lining
- 11. Luggage compartment pillar cover
- 12. Roof lining
- 13. Door housing seals

70.

REMOVING-REFITTING COMPLETE ROOF

After dismantling the internal components (see previous pages), proceed with the removal of the complete sun roof, following the instructions given below:

- disconnect the water drainage pipes (1);
- undo the centre bolt (2) and the nuts (3) on the frame front cross member; (3);
- working from the side, remove the nuts (4) and the bolts (5);



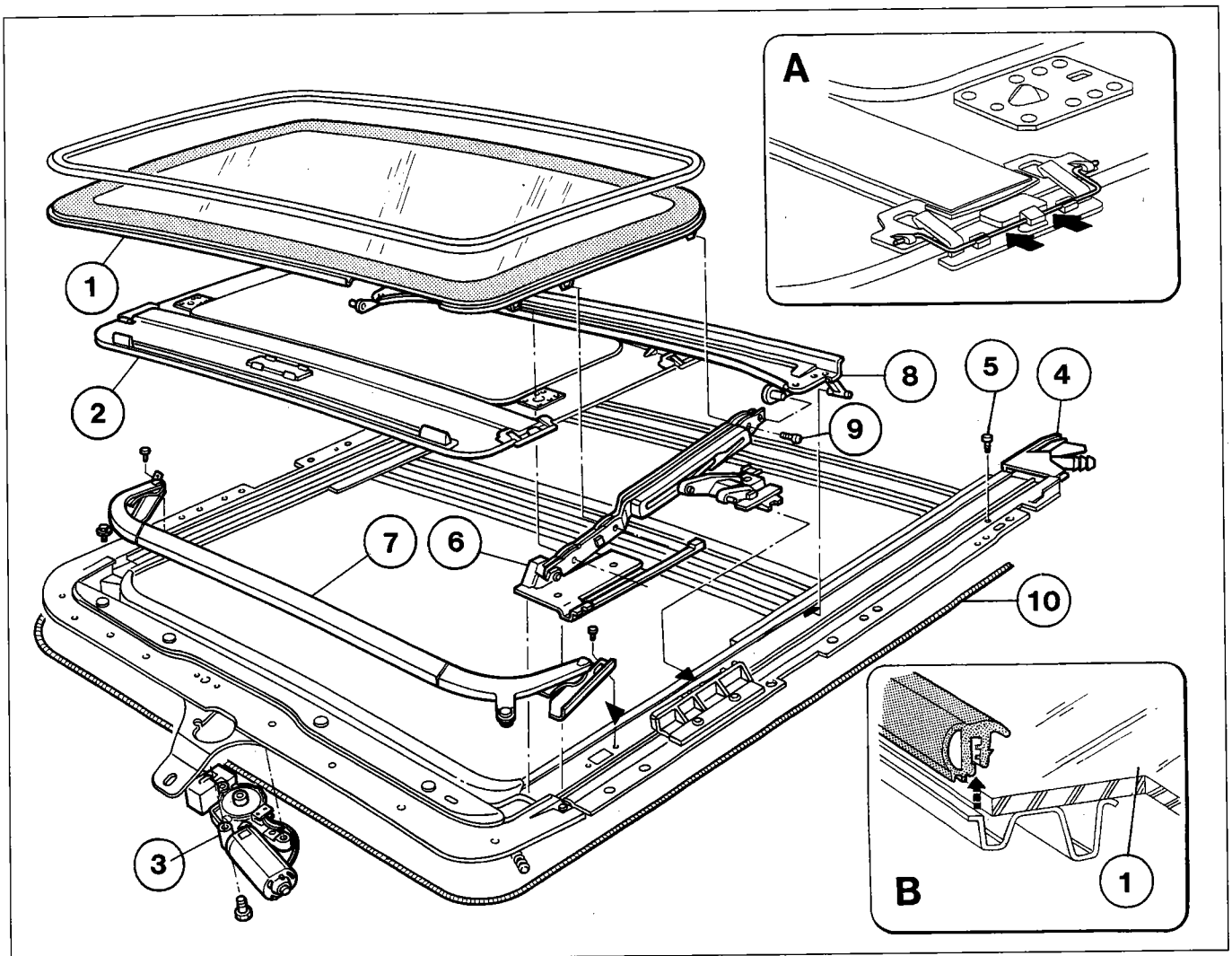
P4F34AM01

NOTE The centre brackets (6) are connected to the roof rib (7); to remove the sun roof frame, completely disconnect them (see detail A).

DISMANTLING-REASSEMBLING COMPLETE SUN ROOF

To remove the sun roof, proceed as described below:

- Remove the window (1) from the pullies (6) via the bolts (9). Remove the water collection duct (8). Remove the sun visor (2) releasing it from the guides (see detail A).
- Remove the electric motor (3).
- Remove the terminals (4) (water drainage) stuck with Betaseal polyurethane type sealant.
- Undo the two end of travel bolts (5).
- Extract the pullies (6) after having moved them into the end of travel position.
- Remove the Bowden drive cable (10).
- Remove the deflector (7).



P4F35AM01

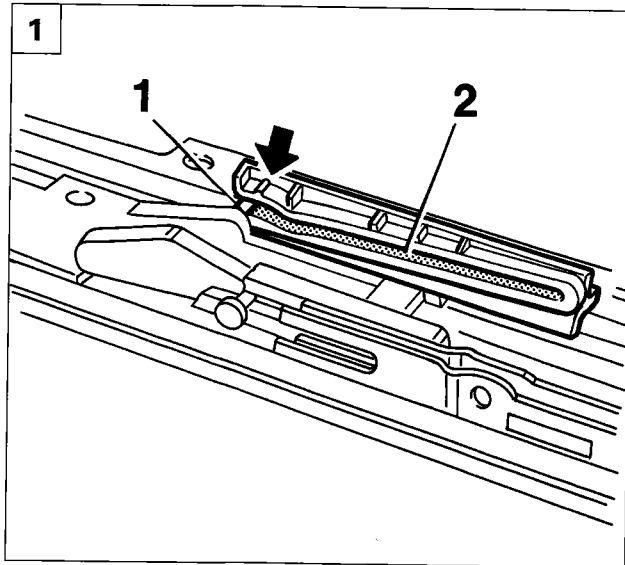


The bolts (9) securing the glass are treated with special adhesive. After the equivalent of six travels for the actual bolt it is no longer effective. **ONLY THESE TYPE OF BOLTS SHOULD BE USED.**

NOTE The following components can be removed with the assembly on the vehicle: window (1); seal (detail B); electric motor (3); sun visors (2).



When refitting, lubricate the sliding parts with **MOLYKOTE PG 30 L** type grease or an equivalent product.



P4F36AM01



ADJUSTMENTS DURING REFITTING

Adjusting the opening device.

For the correct synchronism between the electrical operation and the opening/closing of the roof, the parts concerned must be adjusted as follows:

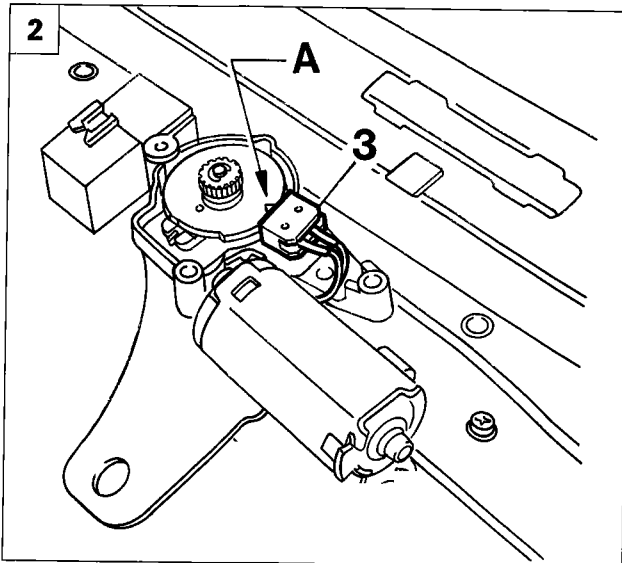
1. position the rollers (1) for the pullies exactly at the start of the sliding duct (2), before the reference shown by the arrow;
2. refit the electric motor with the reference (A) by the micro-switch (3);
- lastly, refit the window.

Adjusting the window

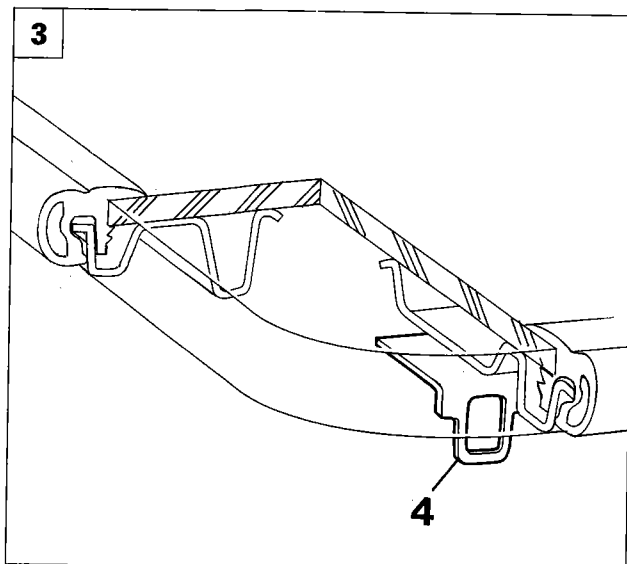
3. If necessary, adjust the alignment of the window with the profile of the roof using the slots in the frame (4).

Adjusting the spoiler

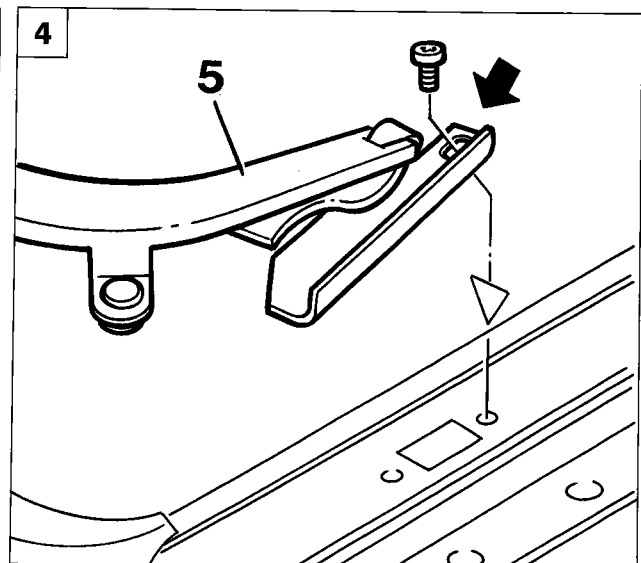
4. There are two slotted openings (shown by the arrows) in the edges of the spoiler (5) for fixing and alignment with the vehicle profile.



P4F36AM02

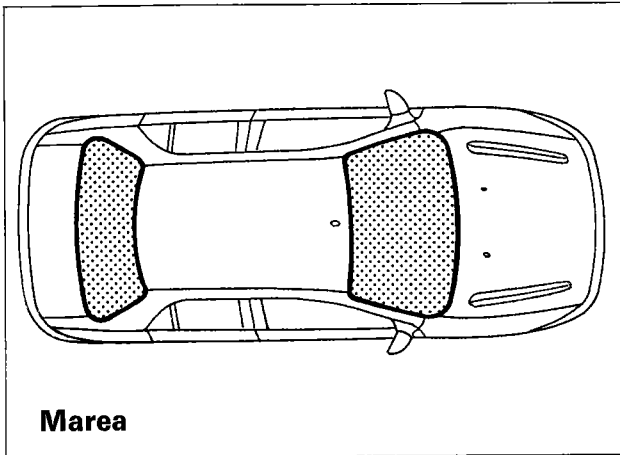


P4F36AM03



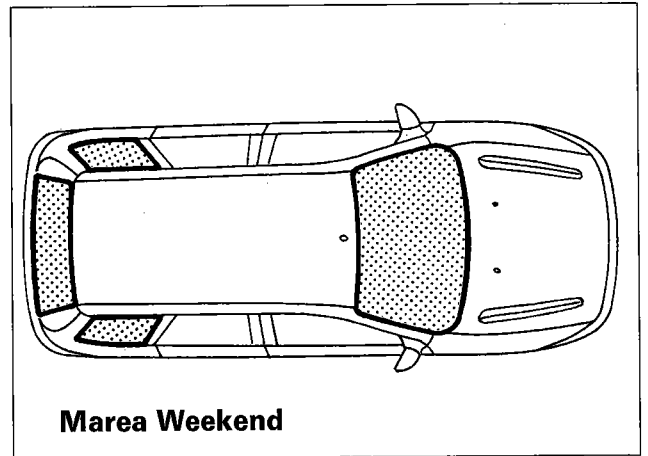
P4F36AM04

BONDED WINDOWS



Marea

P4F075M01



Marea Weekend

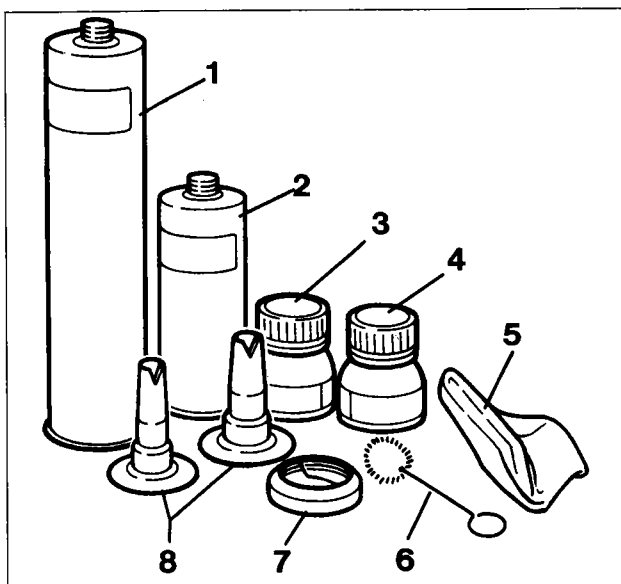
P4F075M02

EQUIPMENT

To remove and refit the bonded windows, use the products and the equipment described below

Composition of bonding Kit

1. Cartridge of GURIT BETASEAL sealant
2. 1/2 Cartridge of GURIT BETASEAL sealant
3. Adhesion promoter (primer) for glass
4. Container of degreasing product
5. Cloth for degreasing
6. Wad for applying adhesion promoter (primer)
7. Wire
8. N° 2 nozzles



P4F17AM02

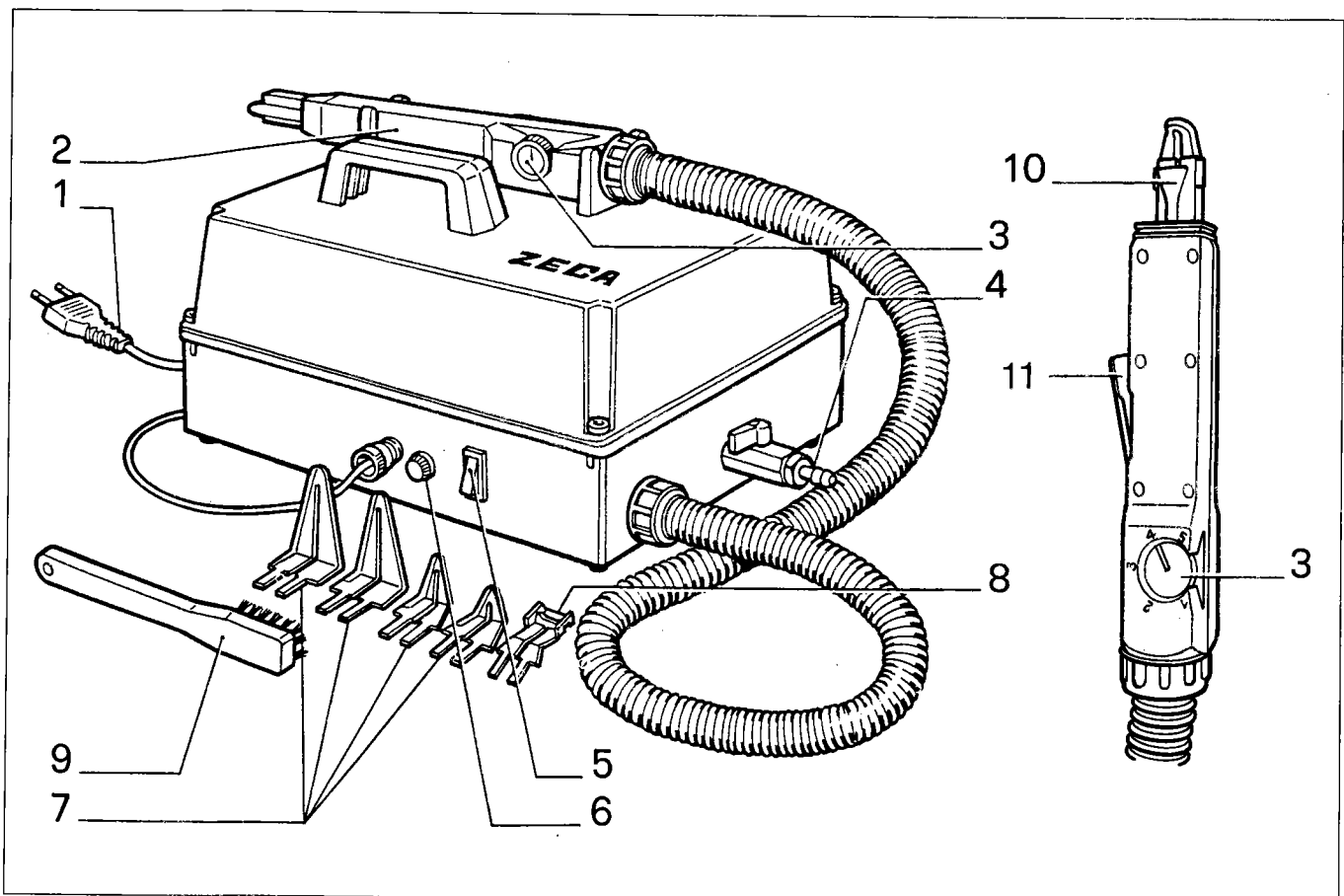
The previous adhesive, marketed by Direzione Marketing e Commerciale - Volvora, has been replaced with an improved product. It is BETASEAL 1703 Sprint, a single component polyurethane with rapid polymerization. This confers undoubted advantages because the hardening speed of the adhesive is faster and the time the window has to be retained using the special tools is shorter. In addition the repaired vehicle can be handed back to the Customer more quickly. Its mechanical properties conform with the Fiat Auto S.P.A. terms.

70.

Thermal knife

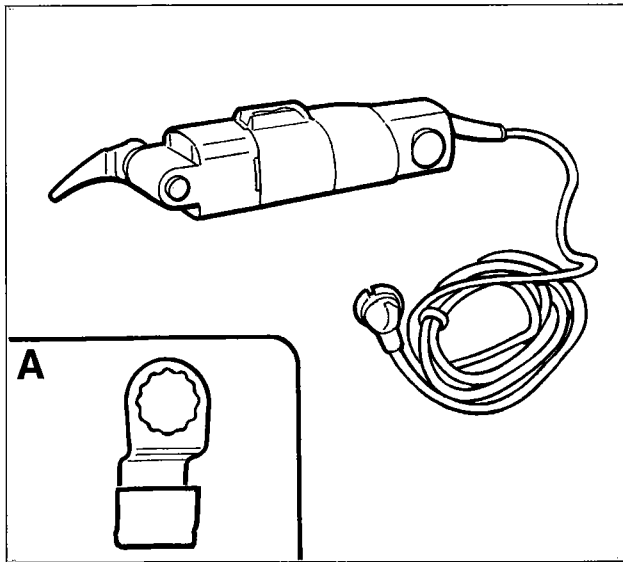
This consists of a piece of equipment which heats up a blade to facilitate cutting the sealant. The temperature of the blade can be adjusted up to 700 °C, but it is advisable to use the knife up to a temperature of around 150 °C in order to avoid burning the sealant and producing harmful fumes. The knife is, however, fitted with a fume exhaust system.

Different shaped blades are available to adapt to different cutting conditions. It is important that during the cutting the blade is always kept perfectly parallel to the window to avoid excessive force and the risk of possibly breaking the actual window.

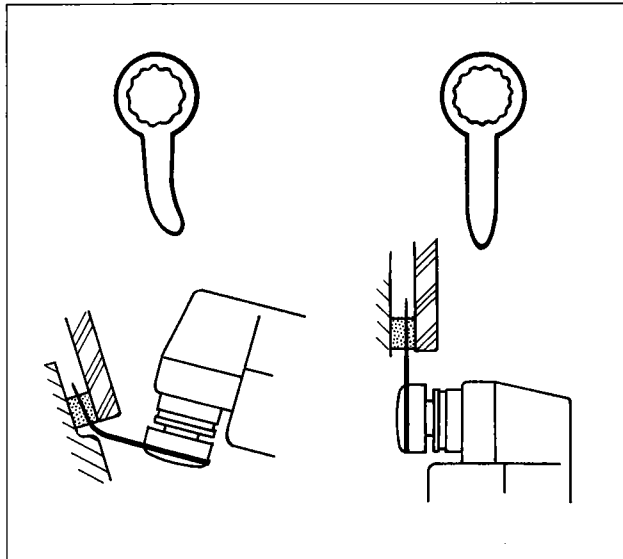


P4F18AM01

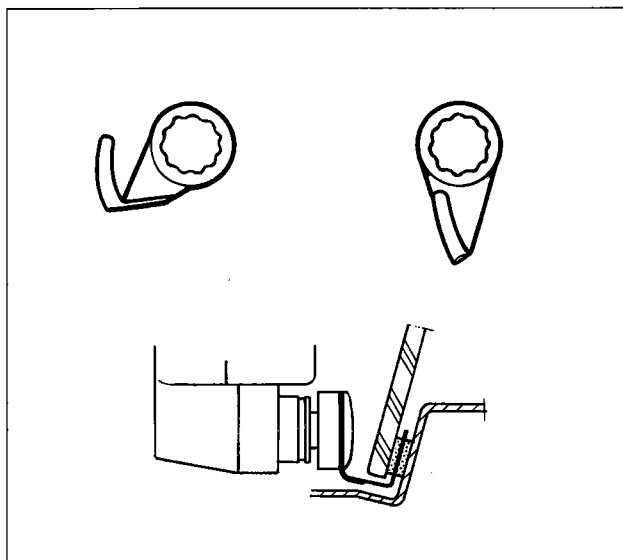
- | | |
|--------------------------------|-------------------------|
| 1. Supply socket | 7. Blades for cutting |
| 2. Knife casing | 8. Blade for levelling |
| 3. Temperature adjustment knob | 9. Blade cleaning brush |
| 4. Compressed air tap | 10. Fume intake nozzle |
| 5. On switch | 11. Contact lever |
| 6. Protective fuse | |



P4F19AM01



P4F19AM02



P4F19AM03

Vibrating knife

The vibrating knife is made up of special shears and a set of vibrating blades with a number of electrically adjustable oscillations. It can be used to cut polyurethane sealants. It is important that during the cutting the blade is always kept parallel to the window and the bodywork, to prevent the blade from breaking.

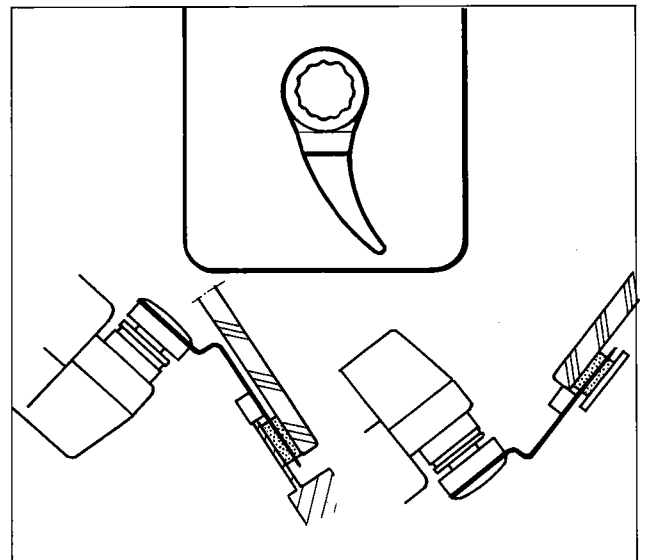
To prevent the shears from overheating, it is useful to adjust the advance and the number of oscillations according to the conditions of usage.

Detail A shows the scraper to be fitted to the vibrating shears to level the residues of sealant.



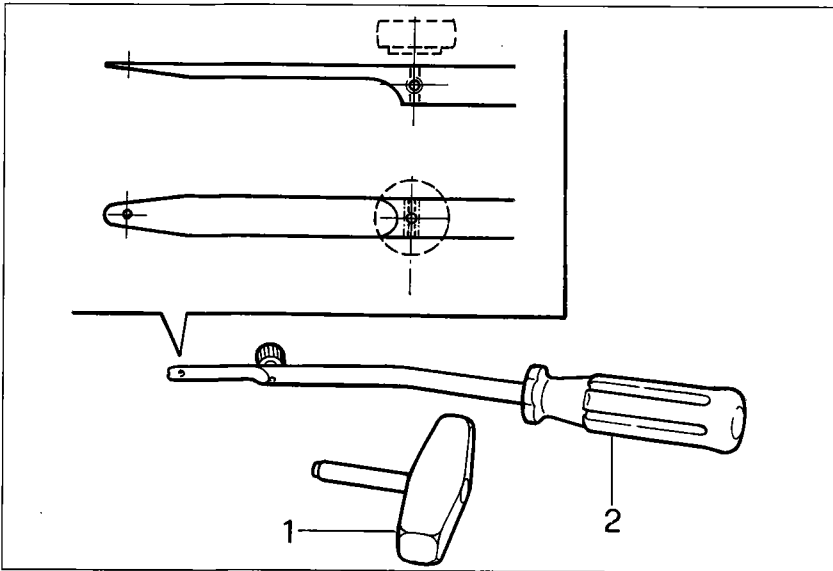
Do not use lubricants during cutting. The blades should always be sharpened.

The diagrams at the side and underneath illustrate several situations which recur when cutting bonded windows showing the type of blade required.



P4F19AM04

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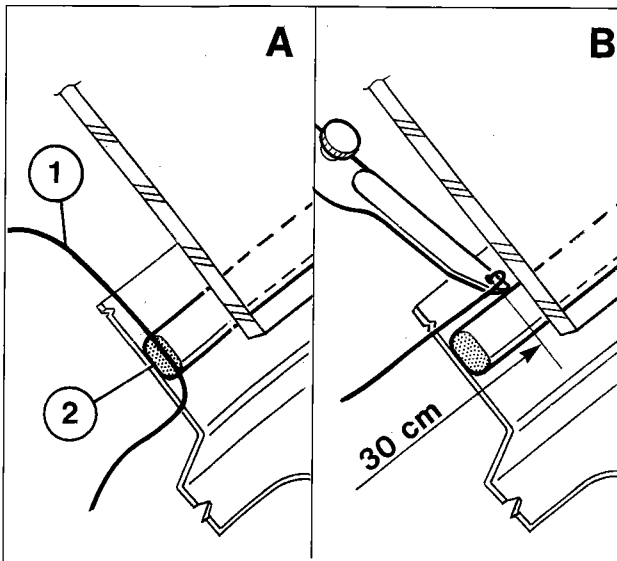


P4F20AM01

Wire

In order to cut the sealant using the wire, it is necessary to use the tool illustrated in the diagram.

- 1. Traction handle
- 2. Retaining tool



P4F20AM02

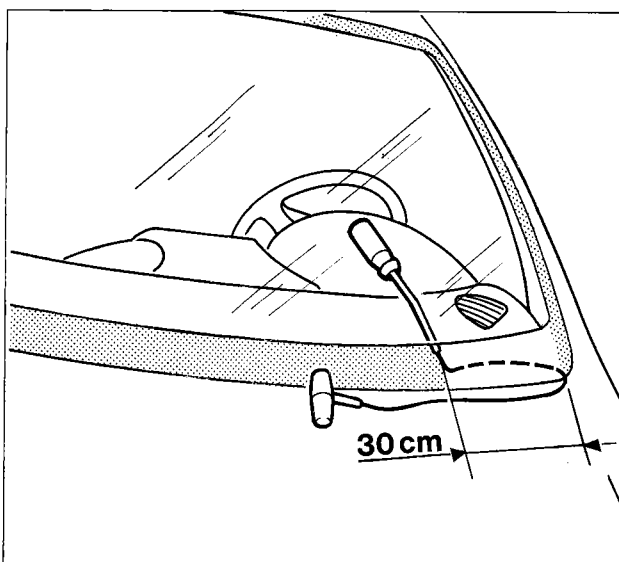
Method for using wire in the bonding Kit

Cut a segment of wire about 50 cm long, introduce one end of the wire (part 1 detail A) through the sealant (part 2 detail A) (to facilitate the operation, heat the wire and use pliers).

Fix one end of the wire to the retaining tool inside the vehicle and the other end to the traction handle outside the vehicle. The operator inside the vehicle should introduce the retaining tool in the sealant (detail B) about 30 cm from the point where the wire passes through.

The other operator, outside the vehicle, should pull the handle following the surround of the windscreen and cut the sealant.

Repeat the operation for 30 cm sections, reducing the length at the corners of the window so that the sealant is completely cut.

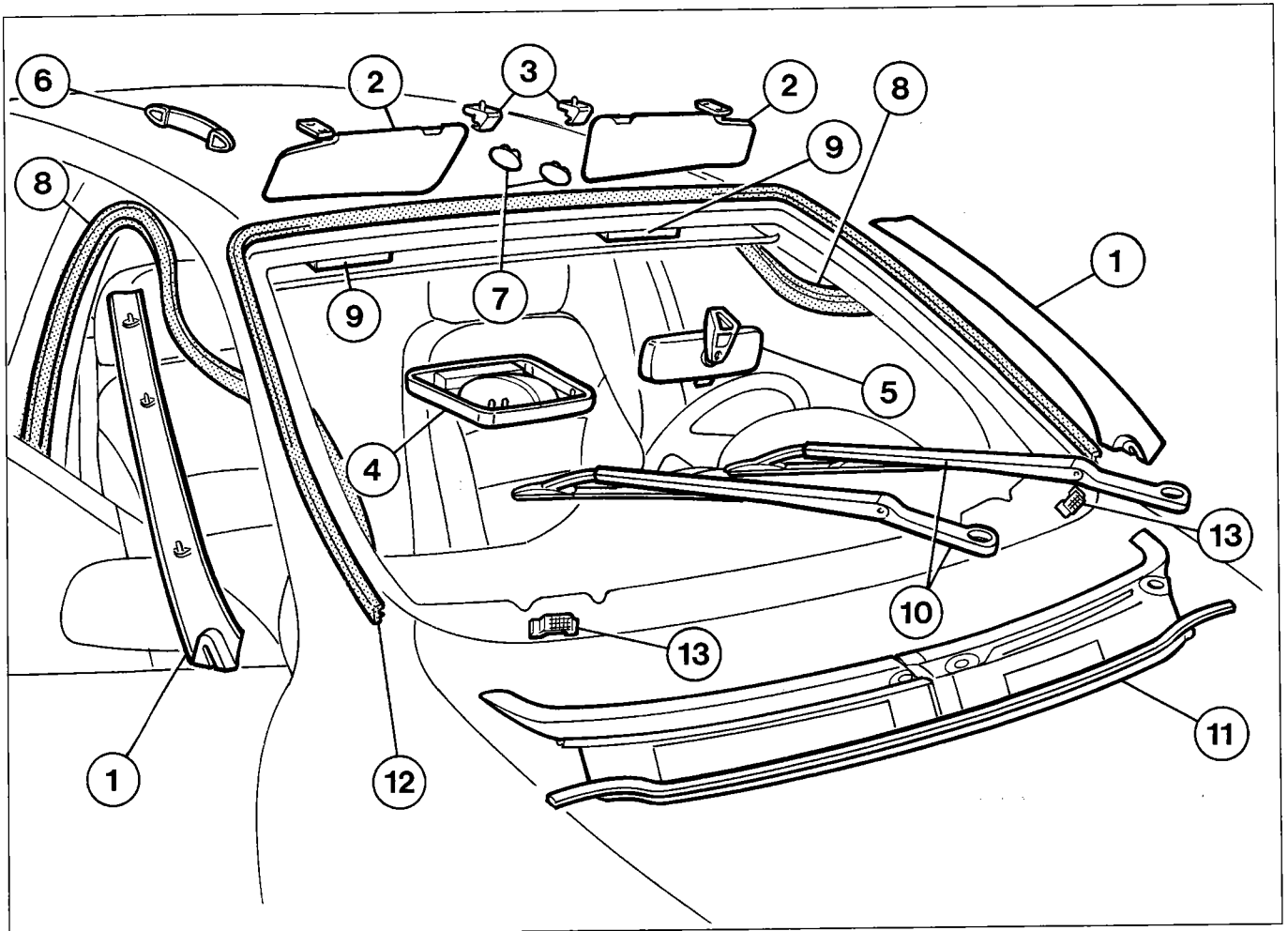


P4F20AM03

REPLACING THE FRONT WINDOW GLASS (WINDSCREEN)

Dismantling and protecting the vehicle

Remove the parts shown in the diagram: see the specific paragraphs for the removal procedure. The parts are numbered in order of dismantling



P4F21AM01

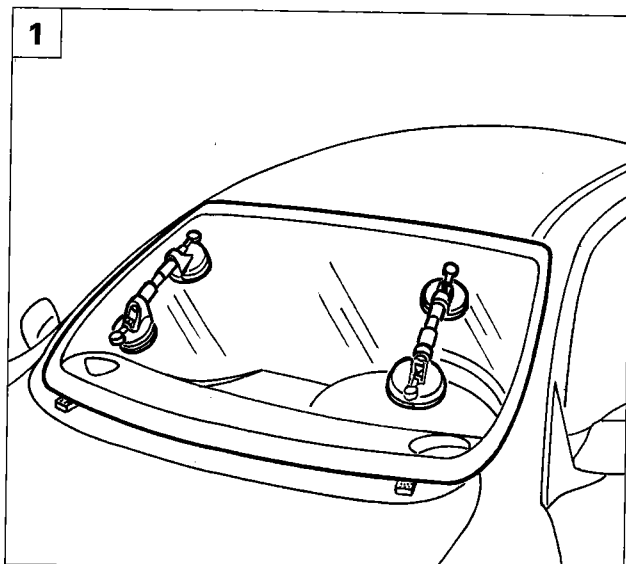
- | | |
|-----------------------------|-----------------------------|
| 1. Pillar covers | 8. Door seals |
| 2. Sun visors | 9. Spacers |
| 3. Sun visor attachment | 10. Windscreen wiper blades |
| 4. Courtesy light | 11. Lower cover |
| 5. Rear view mirror | 12. Perimeter trim |
| 6. Grab handle | 13. Retaining mountings |
| 7. Roof lining fixing trims | |

- Gently lower the lining under the roof without distorting it.
- Protect the dashboard and the seats with a suitable cloth or paper.
- Press on the retaining mountings (13) and push them downwards.
- Protect the perimeter of the windscreen housing with adhesive tape.



The perimeter trim (12) for the window should always be replaced.

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P4F080M01

Removing front window glass

1. Proceed with the removal of the window from the bodyshell, following the instructions on the previous pages. Remove the window from its housing using the special suction pads.

Preparing the windscreen housing

2. Using a suitable blade, cut and level the sealant for the windscreen housing leaving a thickness of between 0.25 and 1 mm without reaching the paint and therefore not scratching it.

NOTE *The film of sealant remaining on the windscreen housing will be a support for the subsequent bonding.*

- After the operation of levelling the sealant, thoroughly clean the window housing with compressed air and degrease fully with heptane.

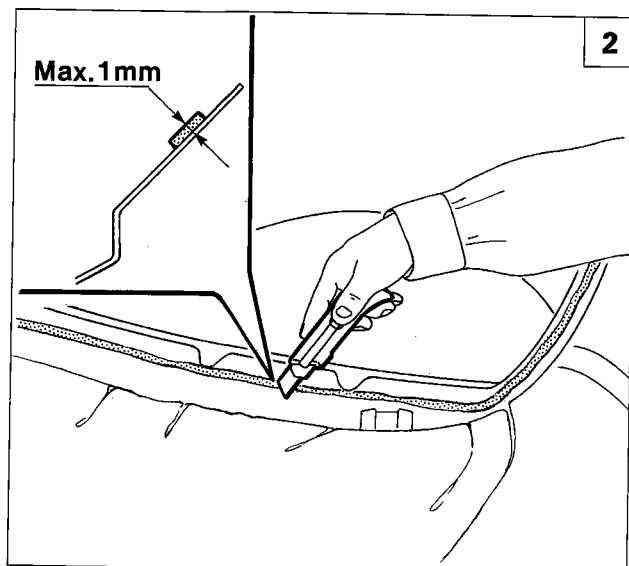
Preparing the windscreen

3. If the window which has been removed is being reused: using a suitable blade, cut and level the sealant trying to reduce the thickness to a minimum. It is not necessary to cut the sealant completely. Avoid touching the surface of the sealant which remains. Take care not to damage the black serigraphy on the perimeter of the window.

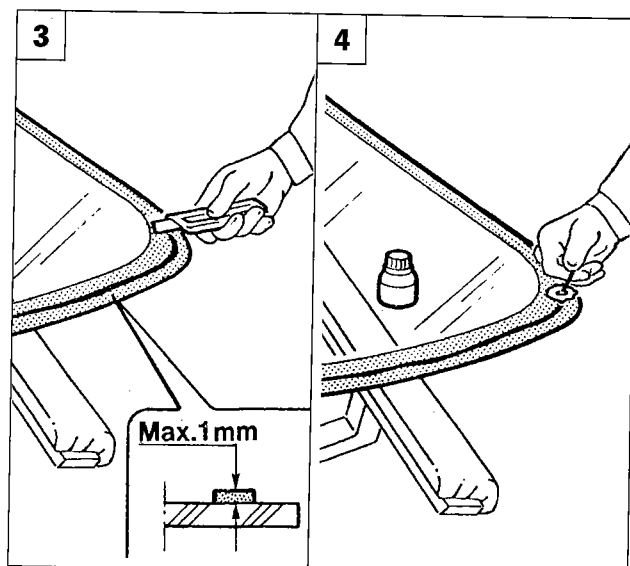
- Degrease the serigraphed area of the windscreen with heptane.

4. Using the wad supplied with the kit, apply the adhesion promoter (primer) for glass to the serigraphed area. It is not necessary to apply the product on the sealant which remains.

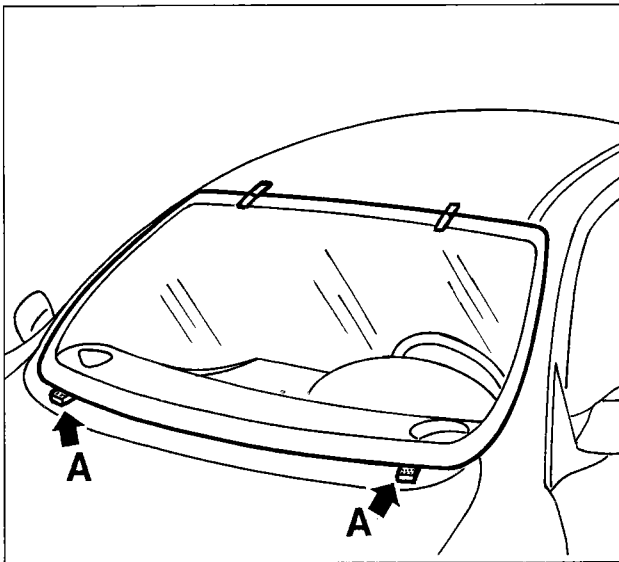
- Wait for 15 minutes before proceeding with the operations in order to allow the adhesion promoter (primer) diluent to evaporate.



P4F22AM01



P4F080M02



P4F081M01

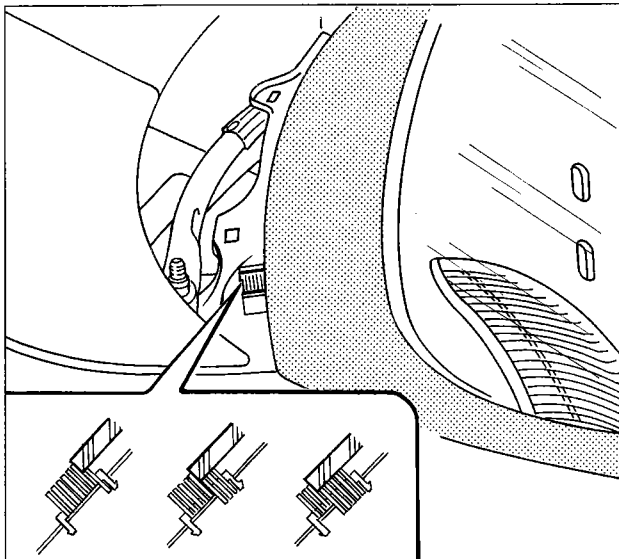


Refitting

- Fit the trim on the windscreen, avoiding touching the area where the adhesion promoter (primer) has been applied with your hands.
- Carry out a test fitting to centre the windscreen perfectly and apply the reference marks.



The sliding retaining mountings (A) located in the lower part should support the windscreen upwards and keep it aligned with the roof.



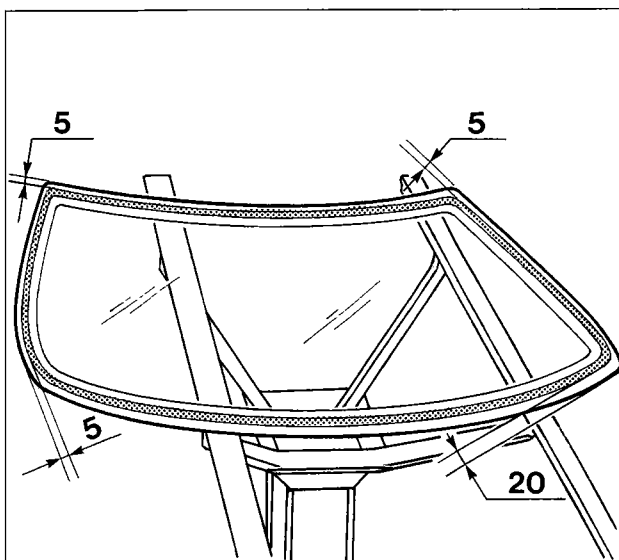
P4F23AM02



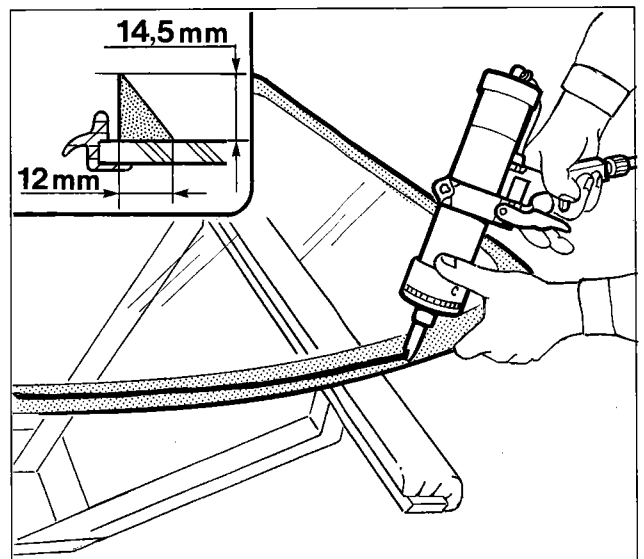
- Using a pneumatic spray gun, apply sealant along the perimeter of the windscreen as evenly as possible (in the case of unevenness, level with a slice of potato).



Apply the sealant to the lower part of the windscreen scrupulously following the figures given in the drawing, to prevent it from ending up on the retaining mountings.



P4F23AM03

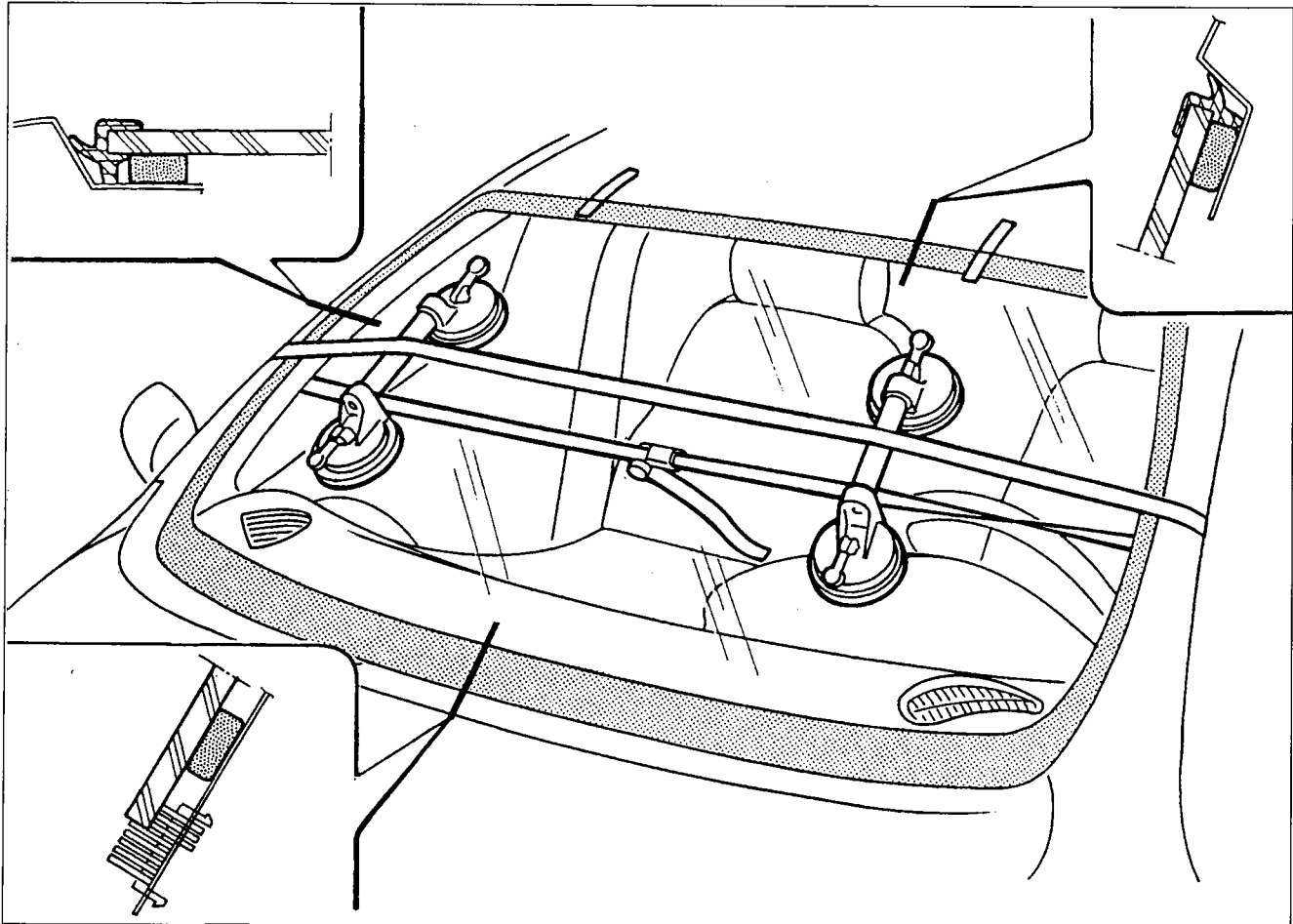


P4F23AM04

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- Using the special suction pads, place the windscreen in position immediately after applying the sealant.
- Using suitable belts and shims, exert slight pressure on the window so that the trim is correctly aligned with the pillars.

Keep the window under pressure for at least 1 hour. During this period it is possible to spray water over the window to identify any penetration points and accelerate the polymerization of the sealant.



P4F24AM01

- Any excess sealant on the inside of the pillars can be removed when the sealant has hardened by cutting it with a blade and removing it with pliers.



Take care not to damage the serigraphed area of the glass with the blade.

- Refit the components removed previously and clean the window.

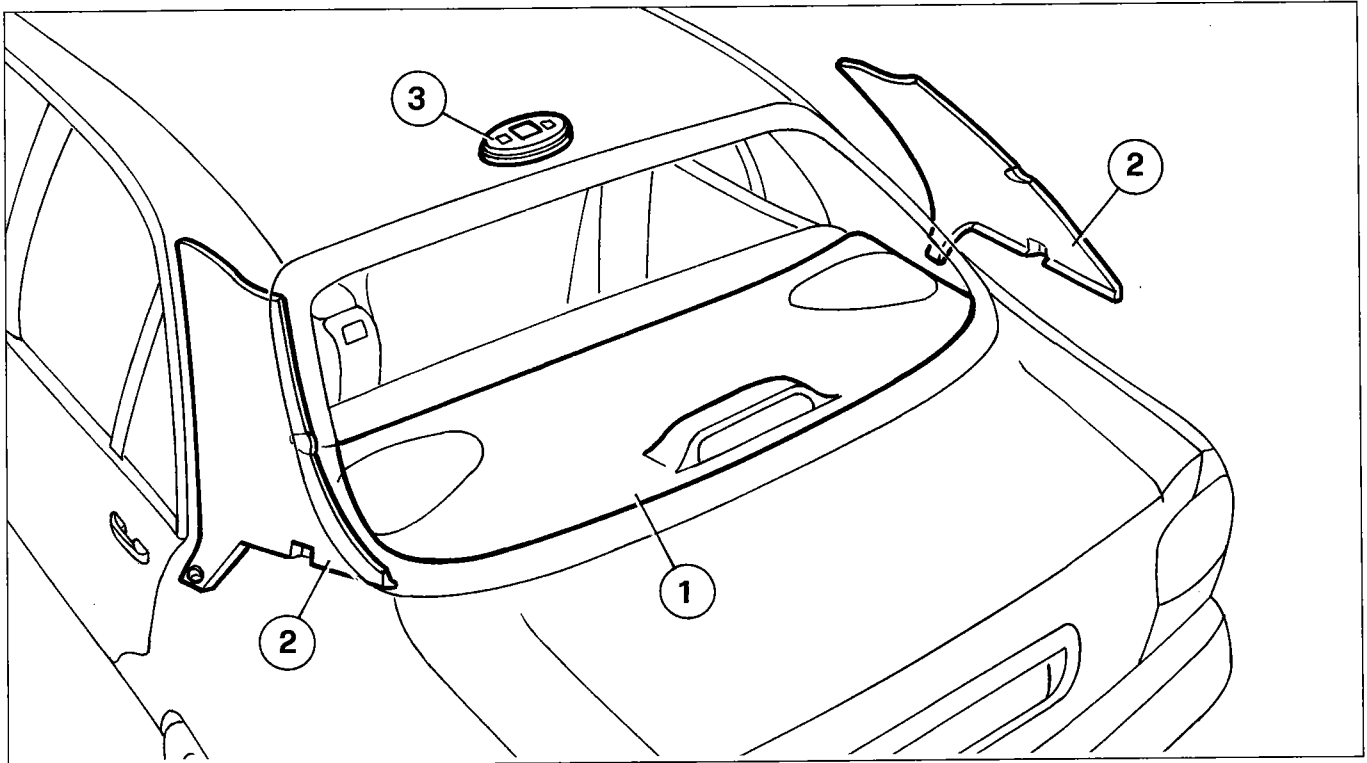


The vehicle should not be handed back for at least 6 hours after bonding the windscreen.

REPLACING THE REAR WINDOW GLASS (REARSCREEN)

Dismantling and protecting the vehicle

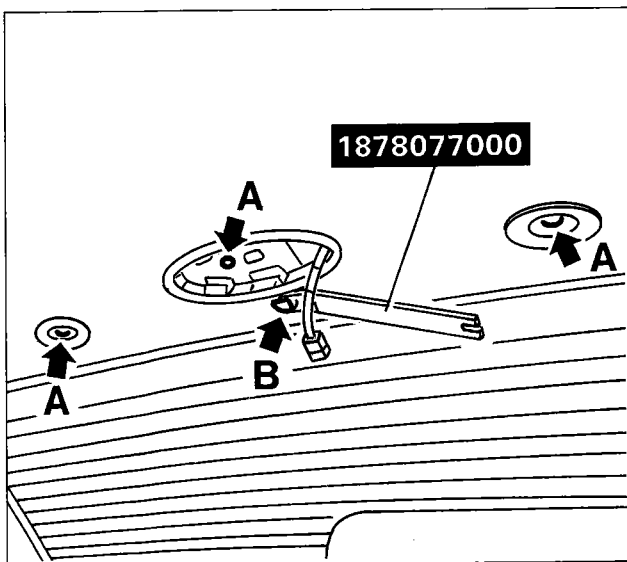
Remove the parts shown in the diagram: see the specific paragraphs for the removal procedures. The parts are numbered in order of dismantling.



P4F25AM01

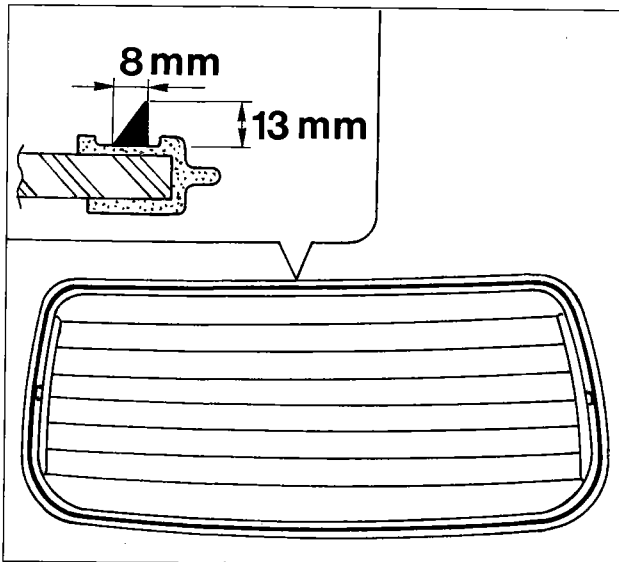
- 1. Rear parcel shelf
- 2. Rear pillar covers

- 3. Rear courtesy light



- Undo the bolts (A) at the rear of the roof lining and remove the retaining button (B), then lower the lining to facilitate the operation of removing the rearscreen.
- Disconnect the electrical connections for the heated rear windscreen.
- Protect the perimeter of the rearscreen housing with adhesive tape.
- Protect the internal parts of the vehicle with a suitable cloth or paper.

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P4F26AM01



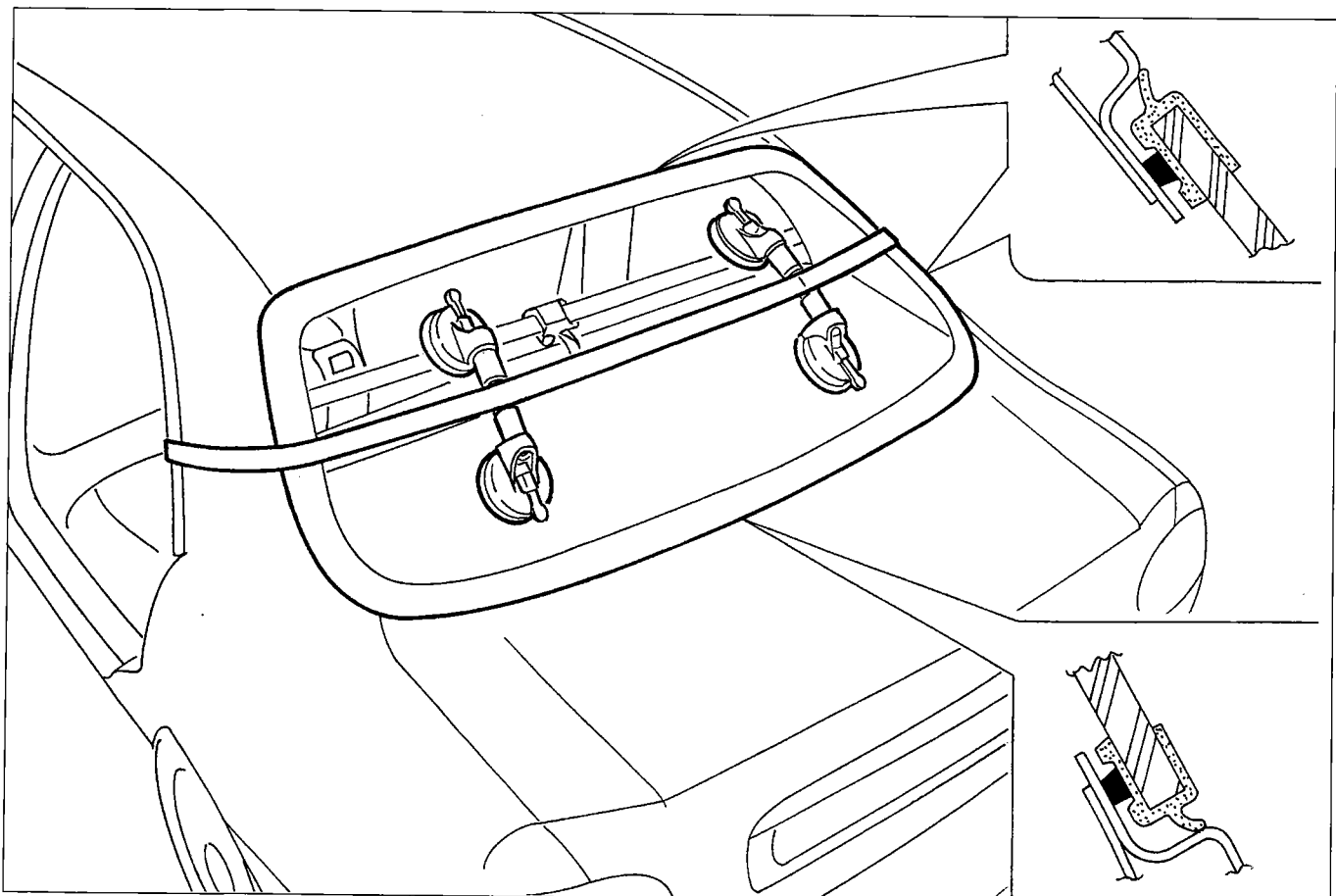
NOTE As far as the removal of the window and the preparation of the housing and the actual glass is concerned, refer to the instructions given for the windscreen (see previous pages).



Take care **NOT TO DAMAGE** the seal in case the window is reused.

NOTE If a **NEW WINDOW** is being used, carry out a test pre-fitting to check the alignments.

- Apply the sealant directly to the inner edge of the seal, which is the pressed type (see diagram at the side).
- Refit the window, in the same way as described for the windscreen, referring to the diagram below.

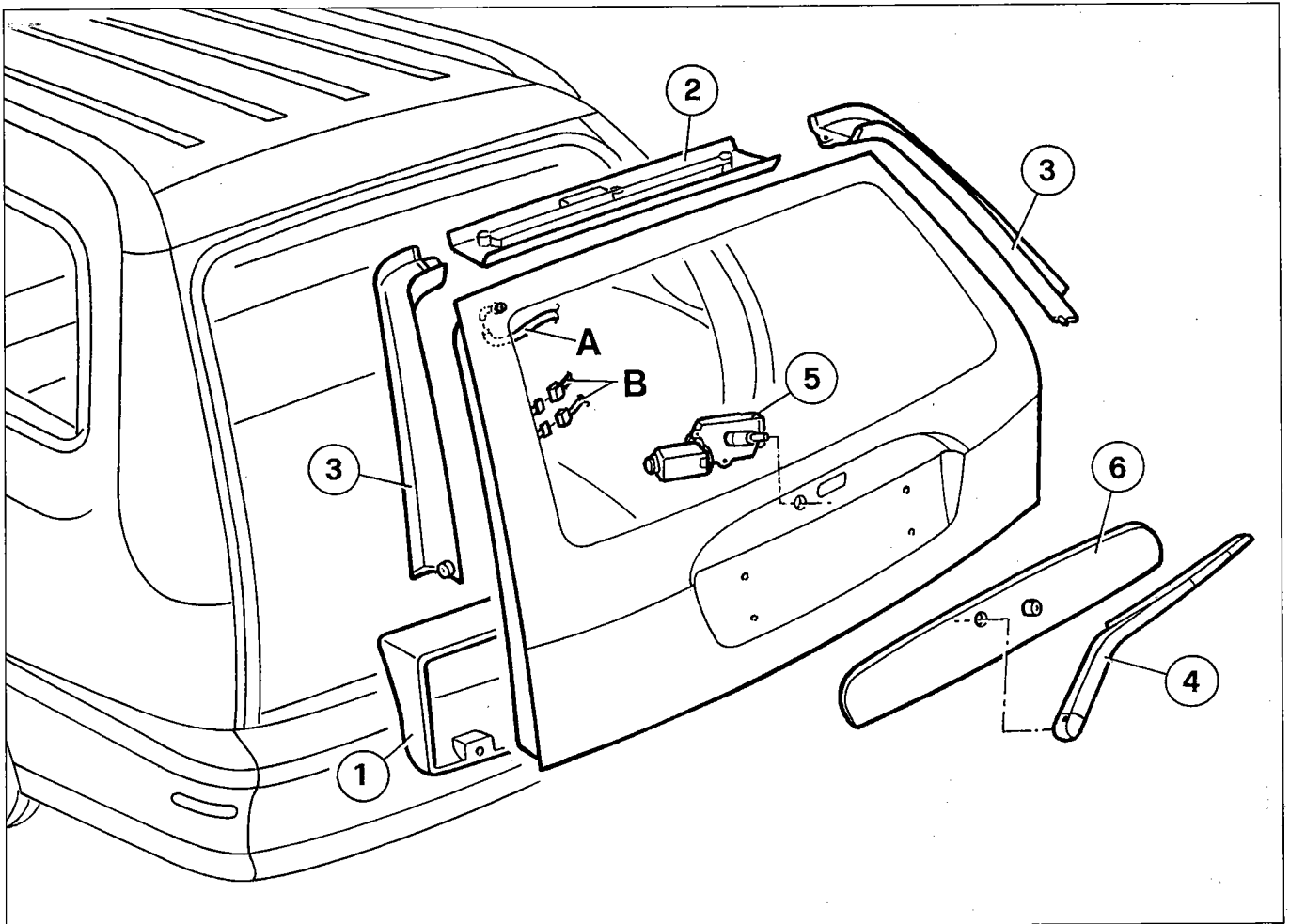


P4F084M01

REPLACING THE REAR WINDOW GLASS (REARSCREEN)

Dismantling and protecting the vehicle

Remove the parts shown in the diagram: see the specific paragraphs for the removal procedures. The parts are numbered in order of dismantling.



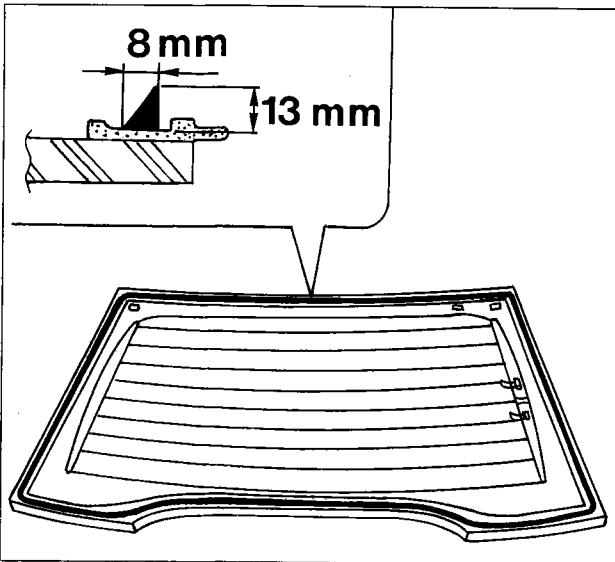
P4F27AM01

- | | |
|----------------|---------------------------|
| 1. Lower panel | 4. Rearscreen wiper blade |
| 2. Upper panel | 5. Rearscreen wiper motor |
| 3. Side panel | 6. Number plate holder |

- Disconnect the connection (A) for the rearscreen washer pipe.
- Disconnect the two connectors (B) for the heated rear windscreen.

- Protect the perimeter of the rearscreen housing with adhesive tape.
- Protect the internal parts of the vehicle with a suitable cloth or paper.

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P4F28AM01



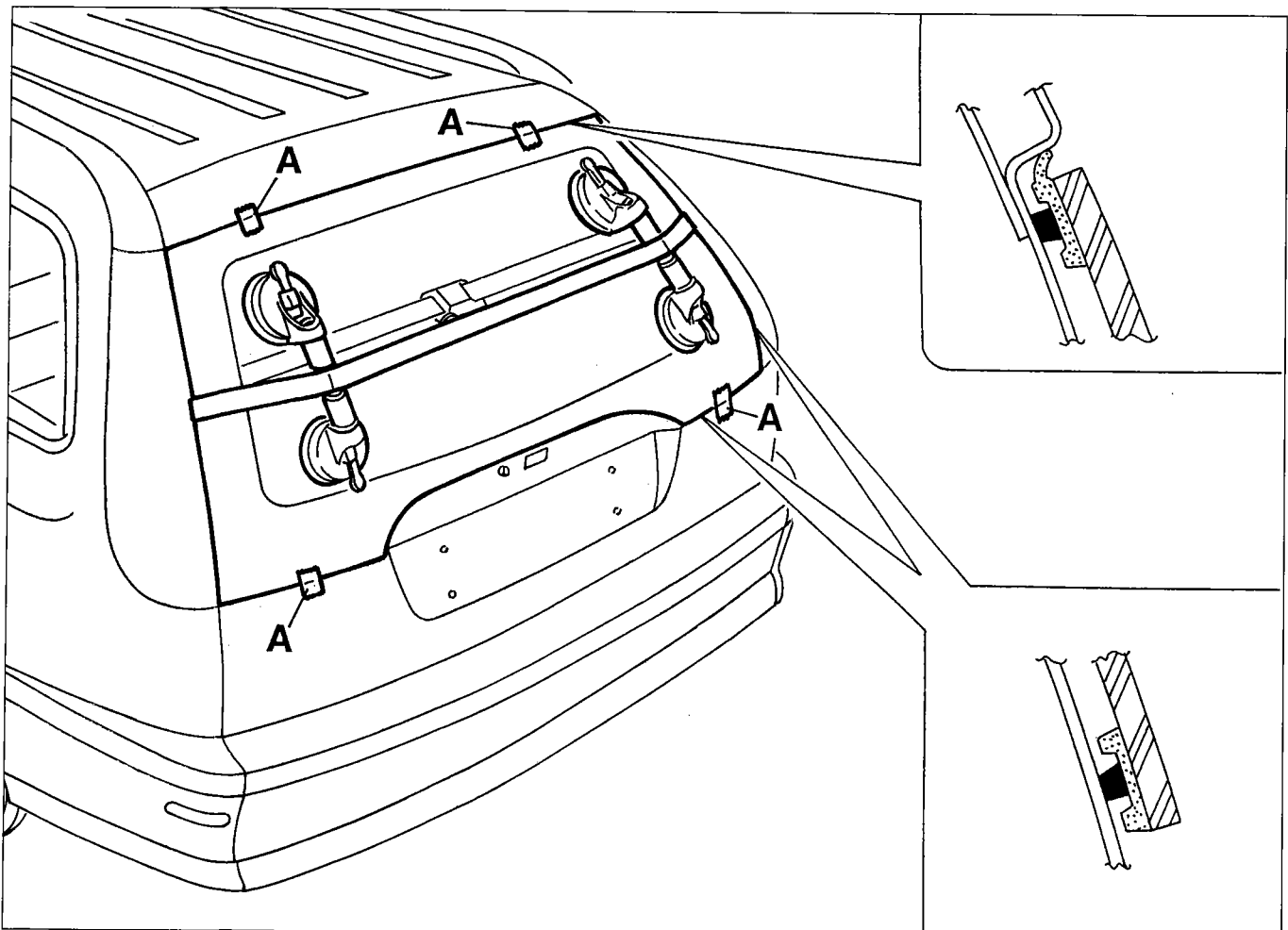
NOTE As far as the removal of the window and the preparation of the housing and the actual window glass are concerned, refer to the instructions given for the windscreen (see previous pages).



Take care **NOT TO DAMAGE** the pressed seal if the window glass is being reused.

NOTE If a **NEW WINDOW GLASS** is being used, carry out a test pre-fitting to check the alignments.

- Apply the sealant directly to the internal edge of the seal, which is the pressed type (see diagram at the side).
- Refit the window glass, in the same way as for the windscreen, referring to the diagram below.

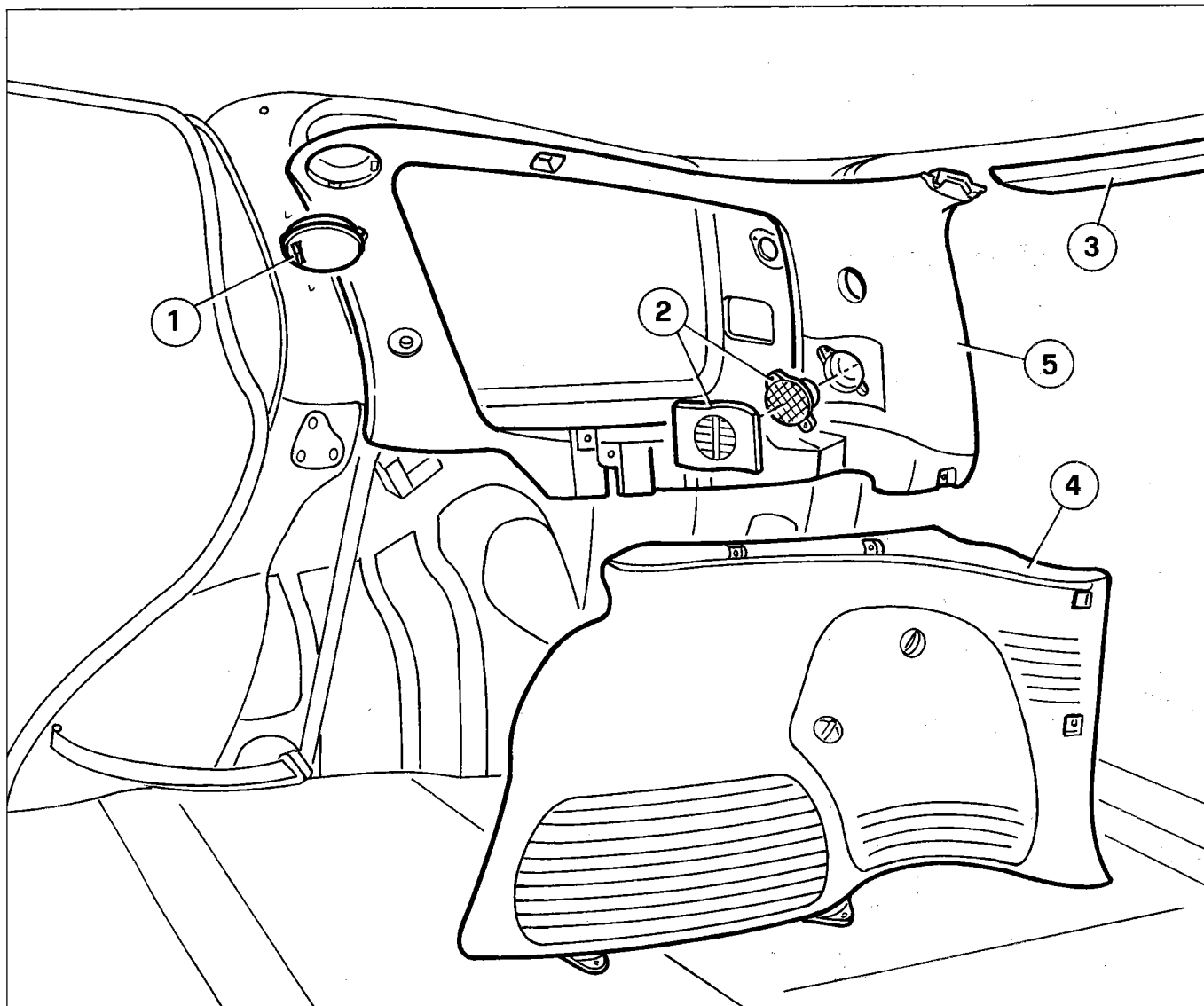


P4F28AM02

REPLACING THE REAR SIDE FIXED WINDOW

Dismantling and protecting the vehicle

Remove the parts shown in the diagram: see the specific paragraphs for the removal operations. The parts are numbered in order of dismantling.

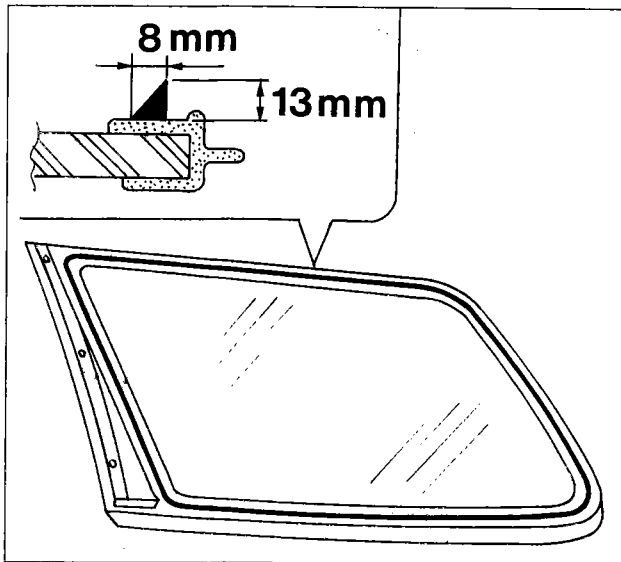


P4F29AM01

- | | |
|---|--|
| <ul style="list-style-type: none"> 1. Side courtesy light 2. Rear speakers 3. Luggage compartment upper covering | <ul style="list-style-type: none"> 4. Luggage compartment side lining 5. Luggage compartment pillars cover |
|---|--|

- Protect the perimeter of the third window housing with adhesive tape.
- Protect the internal carpets with a suitable cloth or paper.

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P4F30AM01



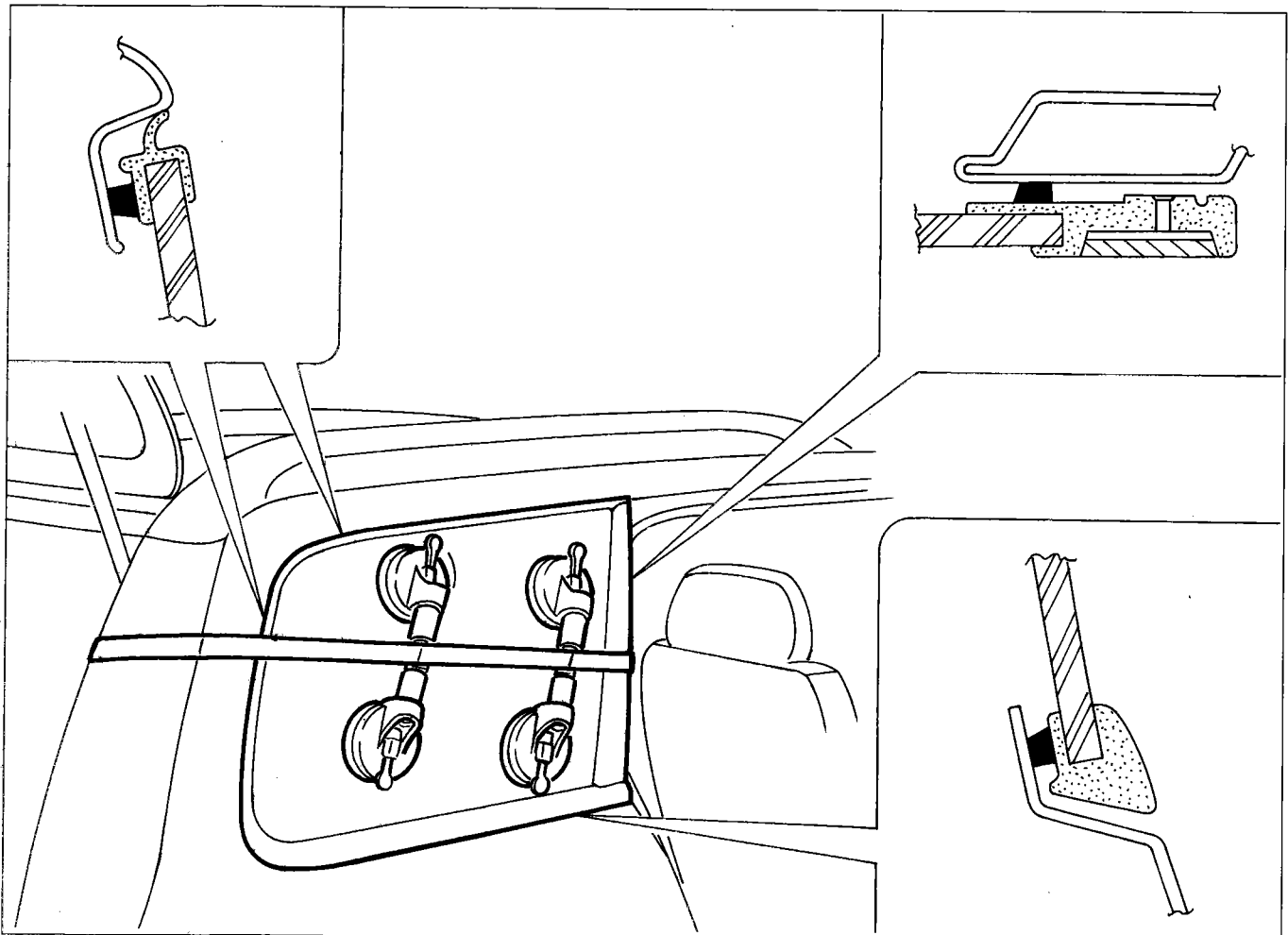
NOTE As far as the removal of the window and the preparation of the housing and the actual window are concerned, refer to the instructions given for the windscreen (vedere previous pages).



Take care **NOT TO DAMAGE** the pressed seal if the window is being reused.

NOTE If a **NEW WINDOW** is being used, carry out a test pre-fitting to check the alignments.

- Apply the sealant directly to the internal edge of the seal, which is the pressed type (see diagram at the side).
- Refit the window, in the same way as described for the windscreen, referring to the diagram below.



P4F30AM02