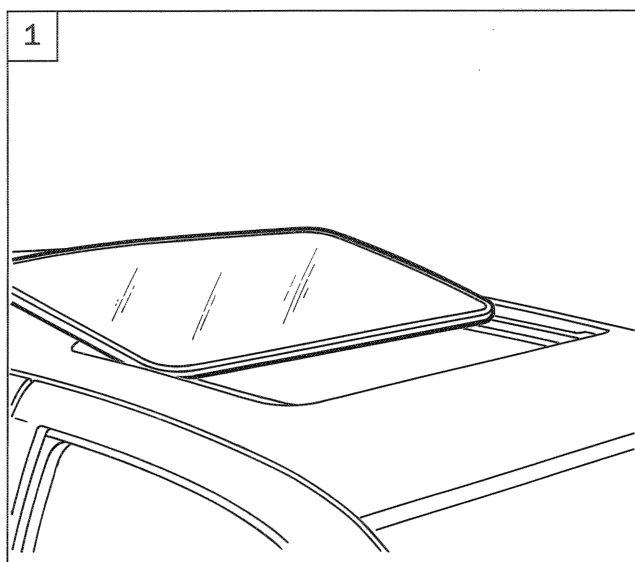


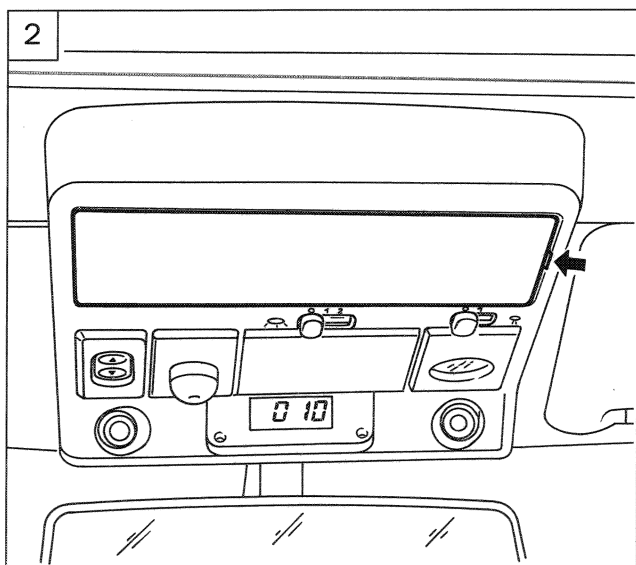
# PUNTO eMANUAL

Bodywork

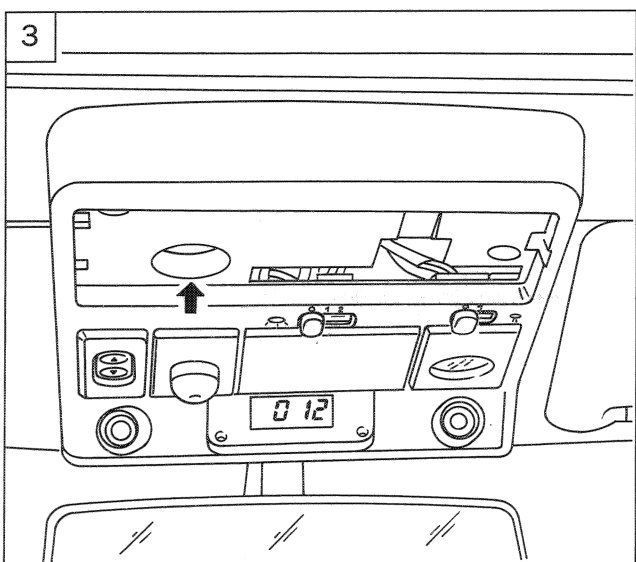
Title	Page
Emergency manual operation .....	1 ➡
Removing/refitting operating motor .....	2 ➡
Resetting .....	3 ➡
Removing/refitting frame & sliding blind .....	4 ➡
Removing/refitting glass .....	5 ➡
Removing/refitting guide & cable .....	6 ➡

**EMERGENCY MANUAL OPERATION OF SUNROOF**

P3M157M01



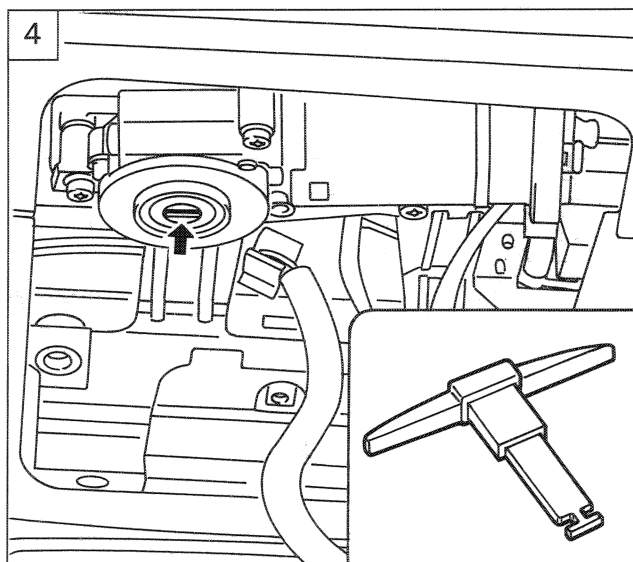
P3M157M02



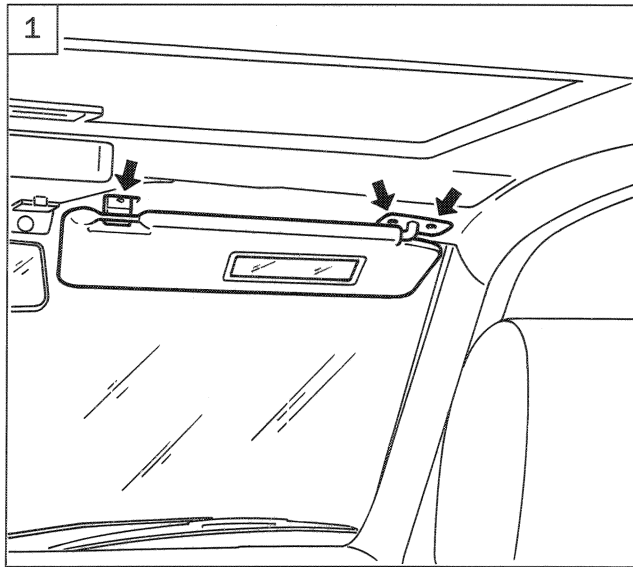
P3M157M03

**Sequence of operations**

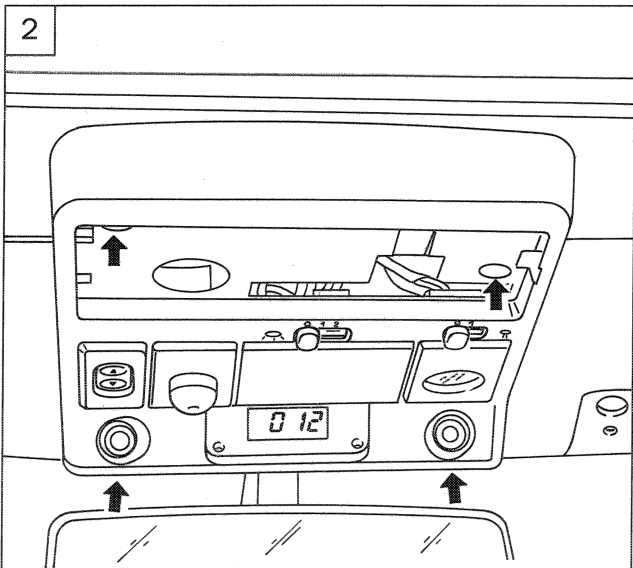
1. If the sunroof becomes faulty in a position other than closed flush with the bodywork, proceed as described below.
2. Detach the trim piece from the courtesy light, by disengaging at the point indicated, then remove the sunroof's emergency manual operating key from the rear of the trim piece.
3. Insert the key inside the courtesy light, in the hole level with the roof operating motor.
4. Position the end of the key level with the groove and push the safety lug upwards, then turn the key until the desired sunroof position is achieved.



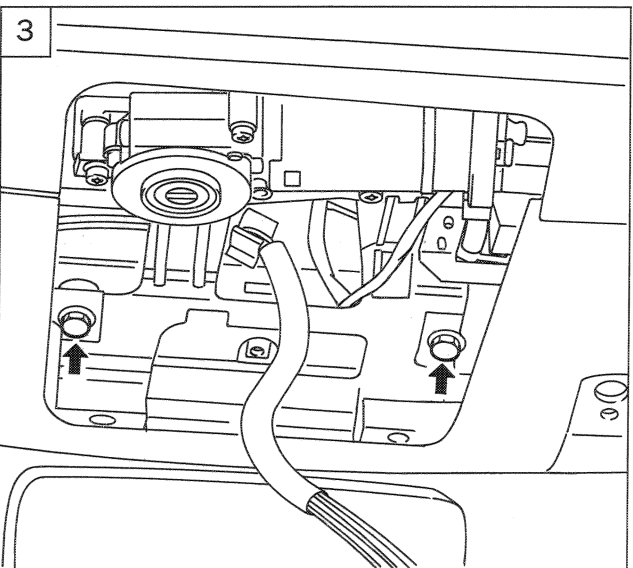
P3M157M04



P3M158M01



P3M158M02



P3M158M03

## REMOVING-REFITTING SUNROOF OPERATING MOTOR

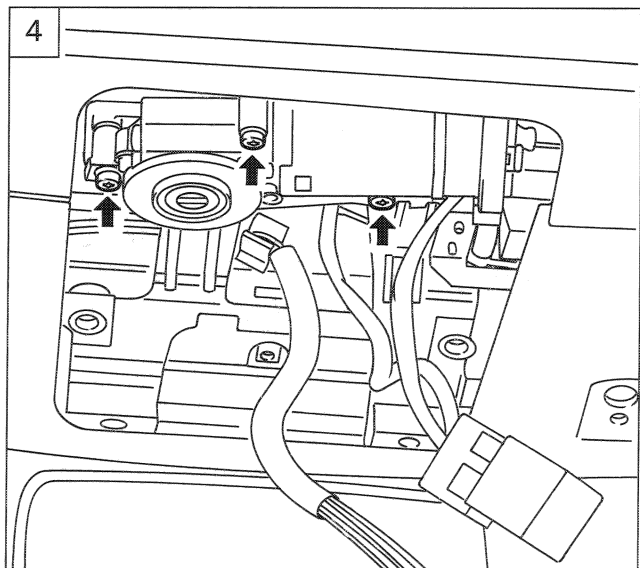


*Disconnect the battery's negative terminal.*

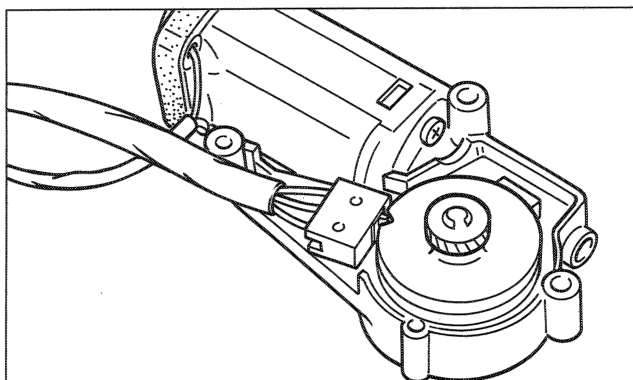
### Sequence of operations

Working as described on the preceding page, remove the trim piece from the courtesy light, then using the special key move the sunroof to the "spoiler" position (fully raised) and proceed as described below:

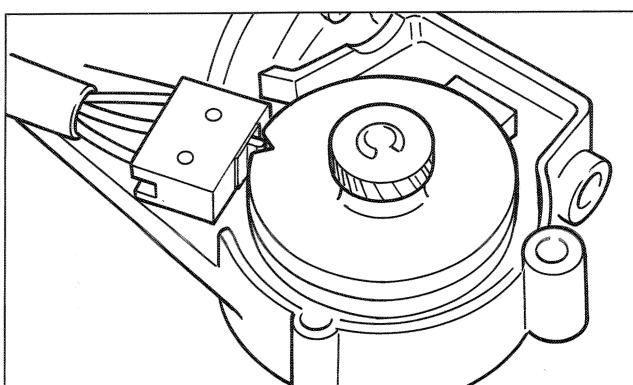
1. Remove the sunshades and their attachments from the ceiling trim.
2. Undo the screws securing the courtesy light, disconnect the connectors and remove the courtesy light.
3. Undo the screws securing the frame's front bracket, then lower the front of the frame and the trim to enable the cables to be released.
4. Undo the attachment screws and remove the motor with its relay.



P3M158M04



P3M159M01



P3M159M02

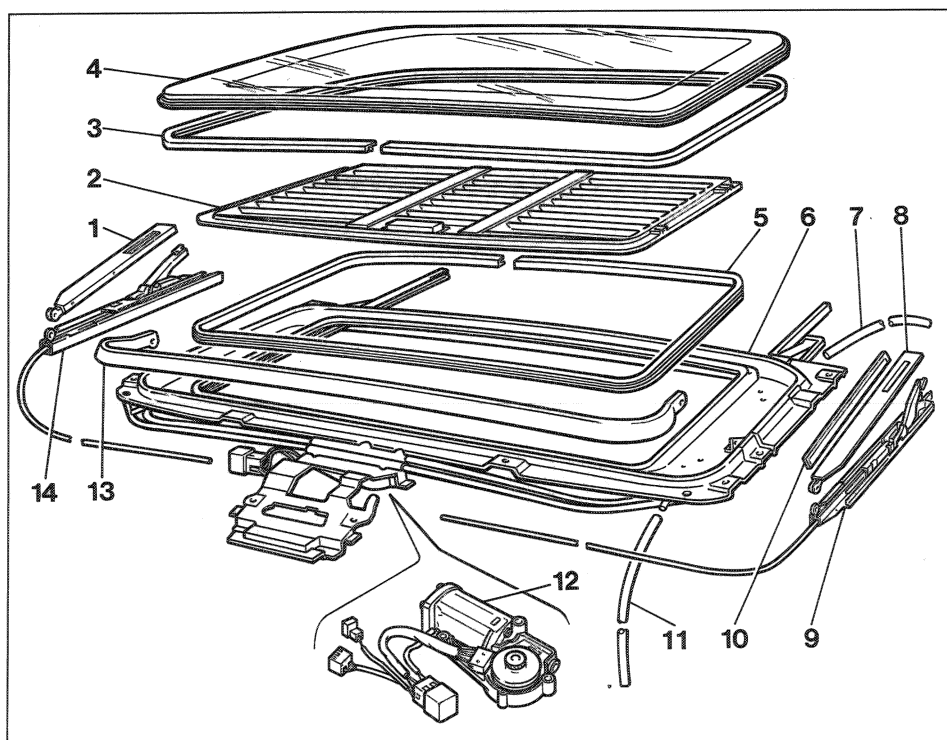
**RESETTING SUNROOF OPERATING MOTOR****Sequence of operations**

Before fitting the sunroof operating motor to the vehicle, the following checks need to be carried out:

- On the motor, check that the microswitch pin is positioned in the recess in the cam, as illustrated in the bottom insert;
- if the microswitch is not in the above-mentioned position, the cam should be rotated, using the special key as described on page 157, until it is brought to the correct position;

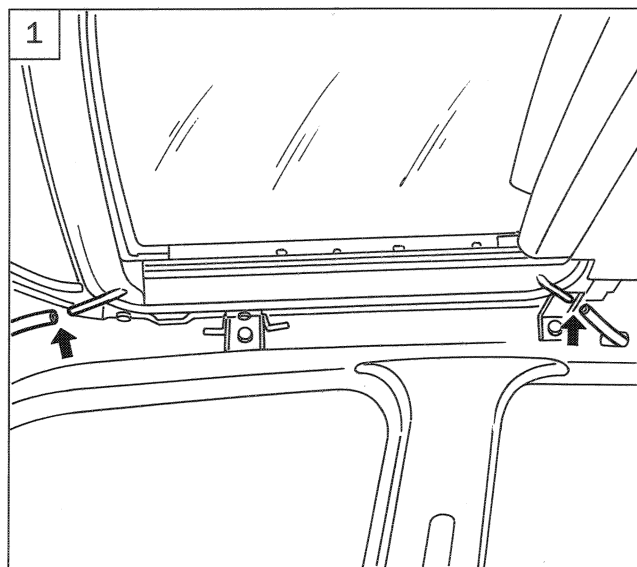
**NOTE** *The motor is supplied as a spare part in a suitable position for correct fitting with the sunroof in the "spoiler" position (fully raised).*

- check that the sunroof is in the "spoiler" position before refitting the motor to the vehicle.

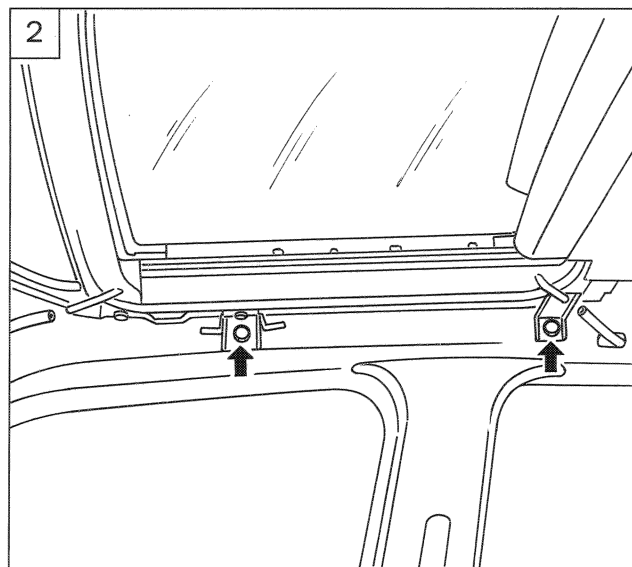
**Components of the sunroof**

P3M159M03

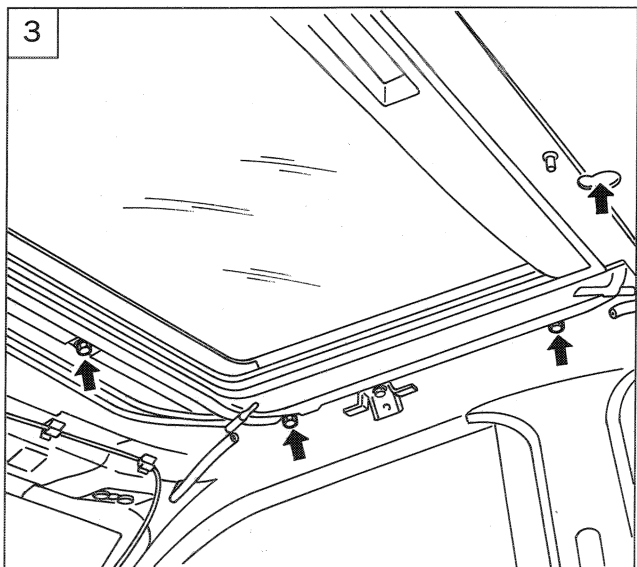
1. Top right guide
2. Sliding blind
3. Sunroof glass seal
4. Sunroof glass
5. Frame seal
6. Sunroof frame
7. Rear pipe for discharging leaks
8. Top left guide
9. Bottom left moving guide
10. Trim piece
11. Front pipe for discharging leaks
12. Electric motor
13. Moving deflector
14. Bottom right moving guide



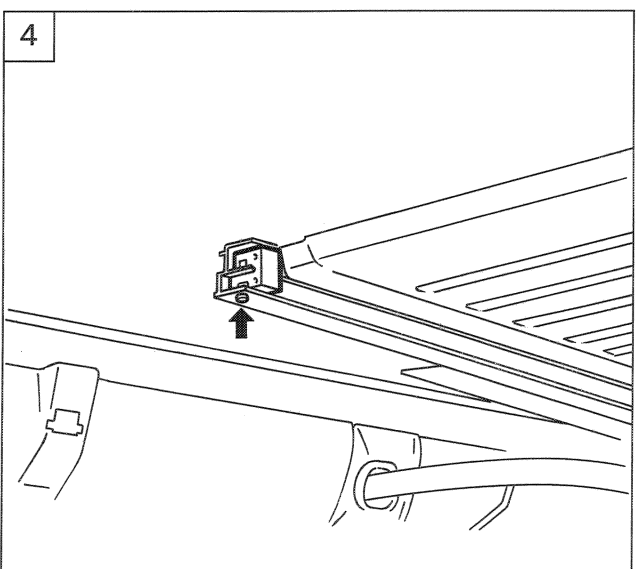
P3M160M01



P3M160M02



P3M160M03



P3M160M04

## REMOVING-REFITTING SUNROOF FRAME

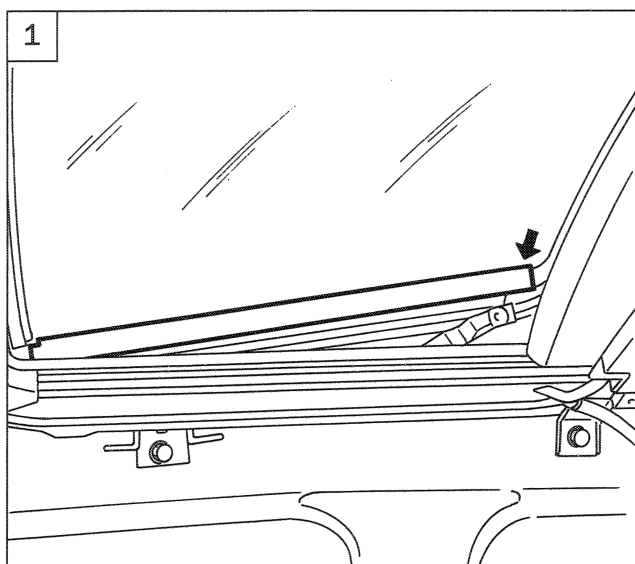
### Sequence of operations

To remove the sunroof frame, the following parts need to be removed:

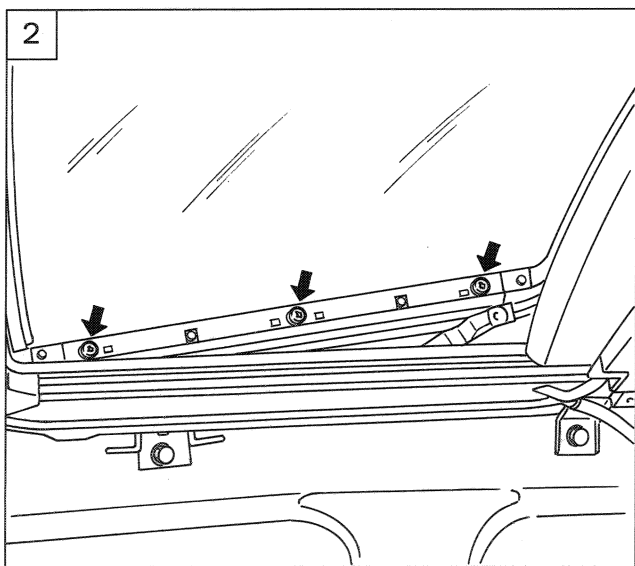
- motor with its relay (see page 158);
  - ceiling trim (see page 37).
1. Disconnect the front and rear pipes for discharging water leaks.
  2. Undo the screws securing the frame's side mounting brackets.
  3. Undo the screws securing the frame to the body shell (the other screws are positioned symmetrically); lower the frame and position it on the front seat headrests and rear parcel shelf; withdraw the frame from the vehicle.

## REMOVING-REFITTING SLIDING BLIND

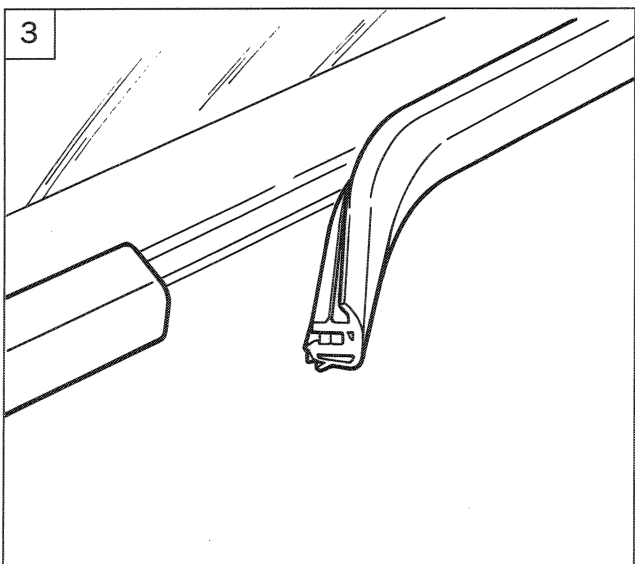
4. When the ceiling trim has been removed, unscrew at the point indicated and remove the frame guide limit block, then withdraw the blind.



P3M161M01



P3M161M02



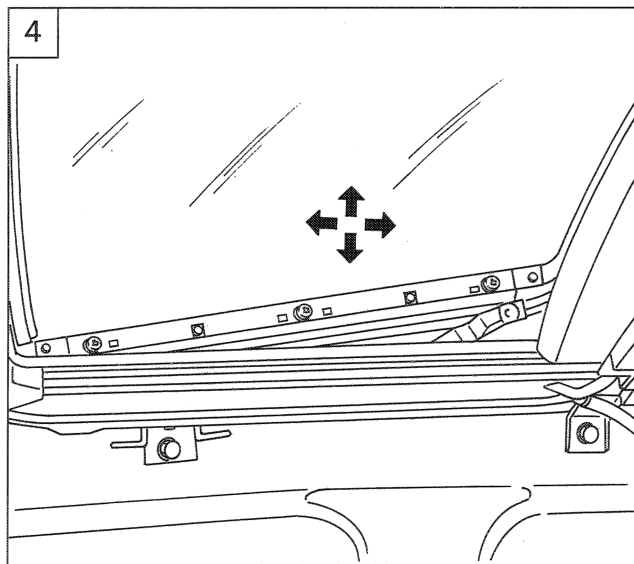
P3M161M03

## REMOVING-REFITTING SUNROOF GLASS (ON VEHICLE)

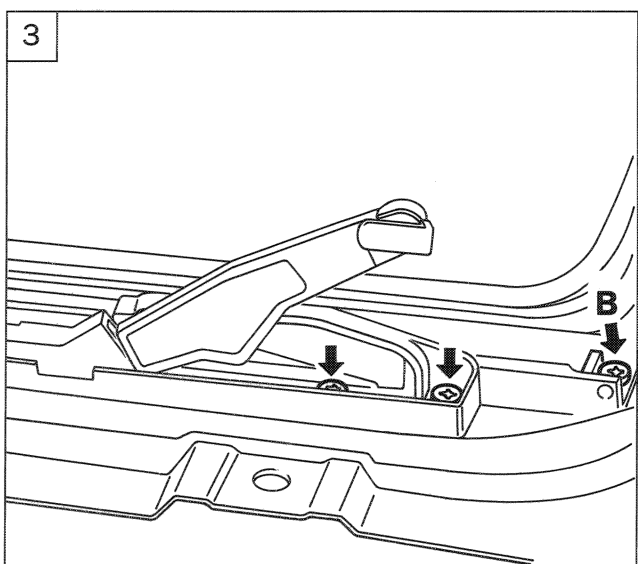
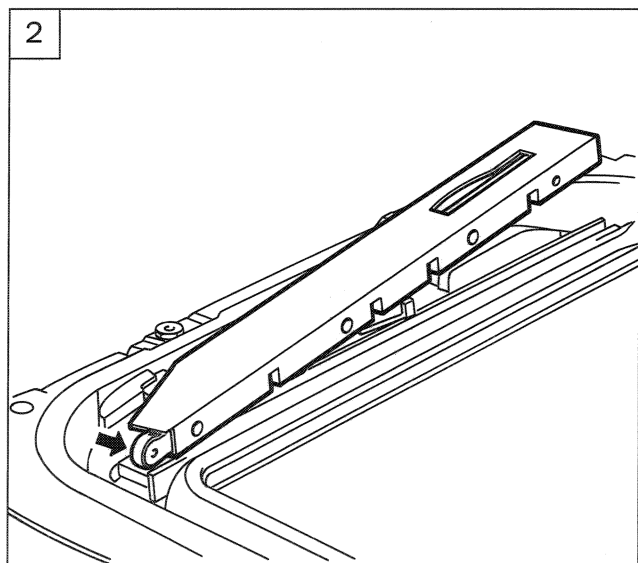
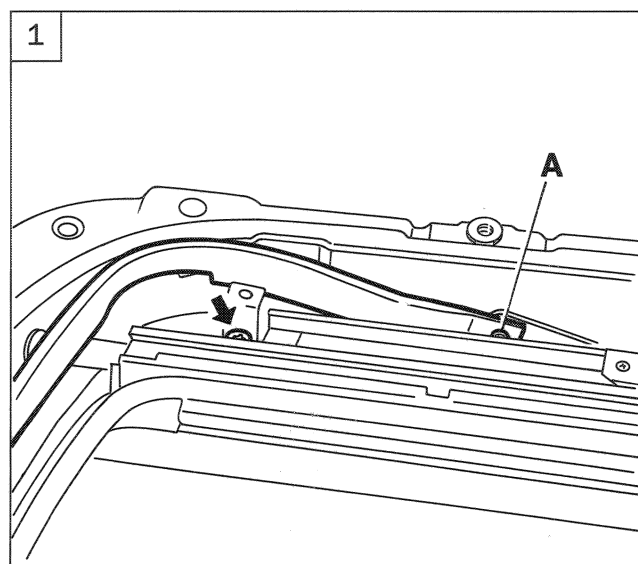
### Sequence of operations

1. Move the sunroof into the "spoiler" position, then remove the embellishments covering the attachments, one of which is arrowed in the figure.
2. Undo the screws securing the glass to the frame, then withdraw the glass by pushing upwards.
3. Replace the glass seal, starting from the joint.
4. When refitting, adjust the position of the glass, by adjusting the attachment screws, in order to line up the glass with the car roof.

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



P3M161M04



## REMOVING-REFITTING GUIDE AND TRANSMISSION CABLE ASSEMBLY

### Sequence of operations

**NOTE** *This operation can be carried out with the roof fitted on the vehicle in the "spoiler" position.*

1. Remove the circlip (A), undo the screw securing the limit bracket (arrowed); withdraw the "spoiler" from its anchorage pin; remove the glass as described on the preceding page.
2. Remove the circlip (arrowed); rotate the guide inwards to release the pin; withdraw the guide forwards, then remove the motor (see page 158).
3. Undo the screws securing the bracket and limit block (B) on the guide.
4. Move the spoiler anchorage mechanism in the direction of the arrow and release the limit block; undo the screw (C) and withdraw the guide assembly complete with transmission cable.

