



## 72 Doors

---

	Job No.
Removal and installation of driver's door, adjustment .....	72-050
Renewing driver's door .....	051
Removal and installation of rear compartment door, adjustment .....	060
Renewing rear compartment door .....	061
Removal and installation of door lining on driver's door .....	100
Removal and installation of door lining on rear door .....	101
Removal and installation of hand grip on door lining .....	140
Removal and installation of sealing rail inside .....	160
Removal and installation of sealing rail outside .....	170
Removal and installation of electric window opener on driver's door .....	185
Removal and installation of electric window opener on rear door .....	187
Removal and installation of stationary window on rear door .....	197
Removal and installation of flexible window run channel .....	198
Removal and installation of door holder .....	210
Removal and installation of sealing frame on driver's or rear door .....	220
Removal and installation of inside door actuation on driver's door .....	230
Removal and installation of inside door actuation on rear door .....	231
Removal and installation of outside door handle on driver's door .....	240
Removal and installation of outside handle on rear door .....	241
Removal and installation of door lock on driver's door .....	250
Removal and installation of door lock on rear door .....	251

## 72-050 Removal and installation of driver's door

---

### Note

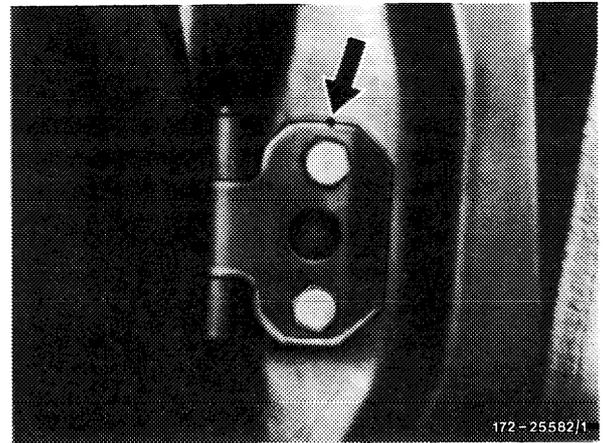
---

On vehicles with special equipment such as central locking system, electrically adjustable external rear view mirror or electric window opener, remove door lining (72-100). Disconnect connections of the pertinent special equipment and pull out through opening at front end of door inside panel.

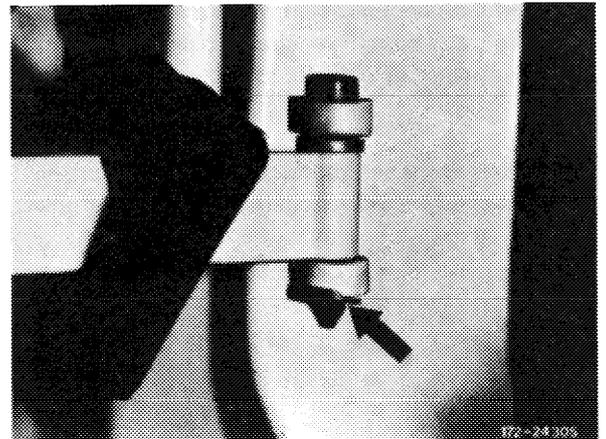
### Removal

---

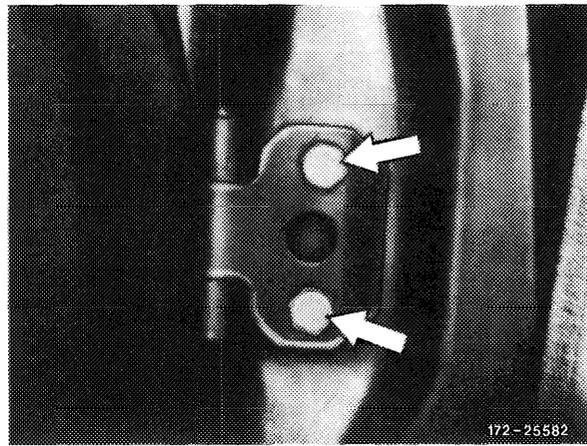
1 Mark position of door hinges on matching surfaces of front wall pillar, at the upper and lower hinge each (e. g. by punch-marking) in order to avoid time-consuming adjustment when re-installing the door.



2 Remove lock on bolt for door holder and pull-out bolt in upward direction.



3 Unscrew fastening screws on front wall pillar and remove door toward the rear



### Installation

4 Position door at mark and slightly tighten fastening screws on hinges.

5 Align driver's door at hinge side in such a manner that door paneling of the driver's door is in alignment with contour of front fender or is max. 1 mm deeper.

6 Check air gap all-around the door and make corrections, if required. For air gap widths, refer to 60-070.

7 Tighten fastening screws on hinges.

8 Check adjustment of rear compartment door and correct, **if required**.

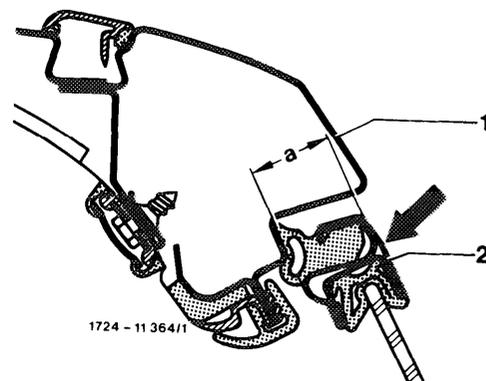
9 Adjust striker eye in such a manner that door paneling of driver's door is in alignment with door paneling of rear compartment door or projects by max. 1 mm.

10 Insert bolt on door holder and lock.

11 Check door for easy operation.

12 Check distance between window frames top and roof frame and align, if required. To prevent wind noise, a distance of 20.5-22 mm must be assured (dimension a).

13 Adjust in the vertical range of window frame to a distance of 22-23.5 mm in relation to center pillar.



1 Roof frame  
2 Window frame  
a 20.5-22 mm

## 72-051 Renewing driver's door

---

### Removal

---

- 1 Remove driver's door (72-050) and place on suitable base (table with foam fabric mat).
- 2 Unscrew door hinges.
- 3 Remove lining on driver's door (88-800).
- 4 Remove protective strip at driver's door (88-802).
- 5 Remove door handle outside on driver's door (72-240).
- 6 Remove external rear view mirror (88-900 or 88-905).
- 7 Remove sealing rail outside on driver's door (72-170).
- 8 Remove door lining on driver's door (72-100).
- 9 Remove sealing rail inside (72-160).
- 10 Remove sealing frame on driver's door (72-220).
- 11 Remove crank window on driver's door (72-190). On vehicles with "electric window opener" as special equipment, refer to 72-185.
- 12 Remove inside door actuation on driver's door (72-230).
- 13 Remove door lock on driver's door (72-250).
- 14 Remove door holder (72-210).
- 15 Remove flexible window run channel (72-198).
- 16 Remove element for central locking system.

### **Specified jobs on spare part door**

---

- 17 Seal seams on door (97-400).
- 18 Paint spare part door.
- 19 Glue insulation to inside of door leaf (insulation is self-adhesive).
- 20 Perform repair preservation (97-I 50).

### **Installation**

---

- 21 For installation proceed vice versa.

#### **Attention!**

Upon installation, adjust crank window (72-I 95).

The screw at top of handle is micro-encapsulated and should either be replaced or screwed-in with a screw locking compound.

## 72-060 Removal and installation of rear compartment door

---

### Note

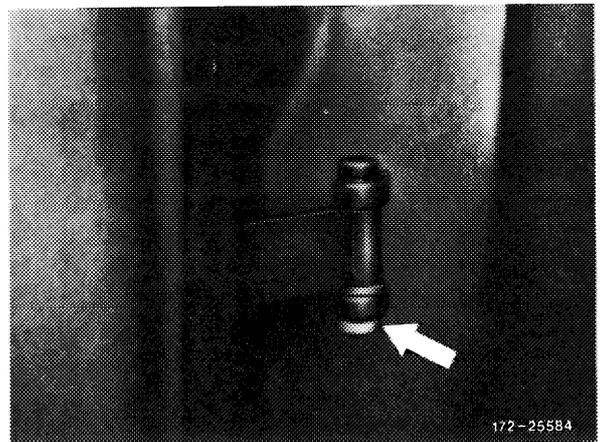
---

Remove door lining on vehicles with central locking system or electric window opener as special equipment (72-l 01). Disconnect connections of the special equipment and pull out through opening at front end of inside door panel.

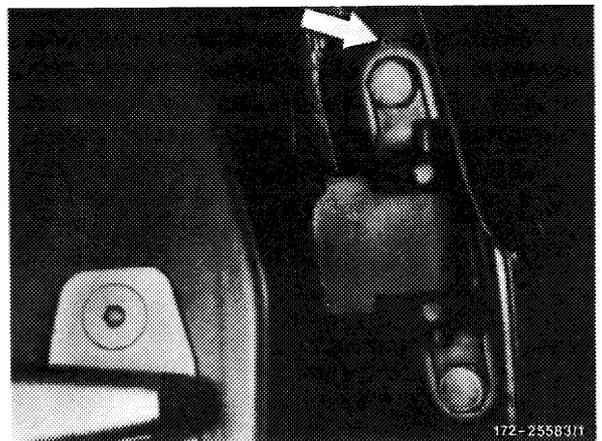
### Removal

---

- 1 Remove lock on bolt of door holder and pull out lock in upward direction.
- 2 Press-in catch band of door holder and close door.

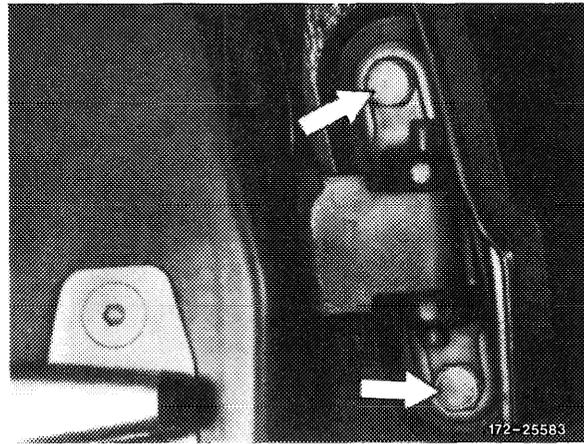


- 3 Mark location of door hinges at matching surfaces on rear compartment door, both on the upper and the lower hinge (e. g. by punch-marking) in order to avoid time-consuming adjustment when re-installing door.



4 Unscrew fastening screw on hinges.

5 Open door and remove toward the rear.



## Installation

6 Position door at markings and slightly tighten fastening screws at hinges.

7 Adjust rear compartment door at hinge side in such a manner that door paneling of rear compartment door is in alignment with countour of driver's door or is max. 1 mm deeper.

8 Check air gap all-around the door and make corrections, if required.

For air gap widths refer to 60-070.

9 Tighten fastening screws on hinges.

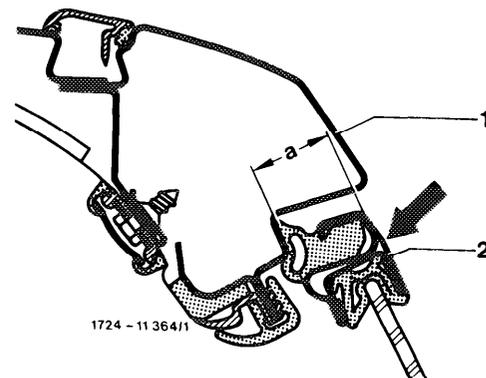
10 Adjust striker eye in such a manner that door paneling of rear compartment door is in alignment with rear fender or projects by max. 1 mm.

11 Insert bolt at door holder and secure.

12 Check door for easy operation.

13 Check distance between window frame and roof frame and align, if required. To prevent wind noise, a distance of 20.5-22 mm must be assured (dimension a).

14 Adjust in the vertical range of window frame to a distance of 22-23.5 mm in relation to center pillar.



1 Roof frame  
2 Window frame  
a 20.5-22 mm

### Removal

---

- 1 Remove rear compartment door (72-060) and place on suitable base (table with foam fabric mat).
  - 2 Remove lining on rear compartment door (88–800).
  - 3 Remove protective strip on rear compartment door (88-802).
  - 4 Remove door handle outside on rear compartment door (72-24 1) .
  - 5 Remove sealing rail outside on rear compartment door (72-l 70).
  - 6 Remove lining on rear compartment door (72-101).
  - 7 Remove inside sealing rail (72-160).
  - 8 Remove sealing frame on rear compartment door (72-220).
  - 9 Remove crank window on rear door compartment (72-191).
- On vehicles with “electric window opener” as special equipment, observe 72-l 87.
- 10 Remove inside door actuation on rear compartment door (72-231).
  - 11 Remove door lock on rear compartment door (72-251).
  - 12 Remove door holder (72-2 10).
  - 13 Remove flexible window run channel (72-l 98).
  - 14 Remove stationary window on rear compartment door (72-l 97).
  - 15 Remove element of central locking system.

### Specified jobs on spare part door

---

**16 Seal seams on door (97-400).**

**17 Paint spare part door.**

**18 Glue insulation to inside of door leaf (insulation is self-adhesive).**

**19 Perform repair preservation (97-l 50).**

### Installation

---

**20 For installation proceed vice versa.**

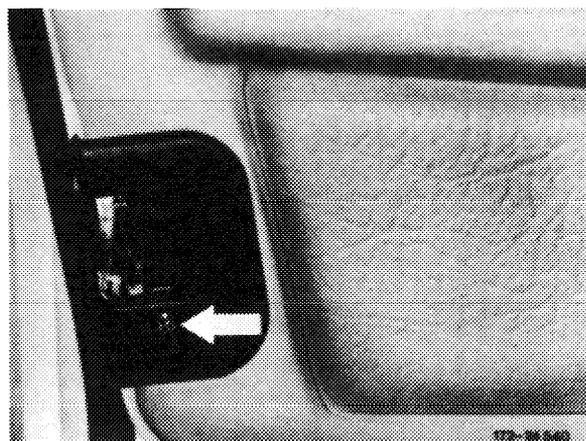
#### **Attention!**

**The screw at top of handle is micro-encapsulated and should either be replaced or screwed-in with a screw locking compound.**

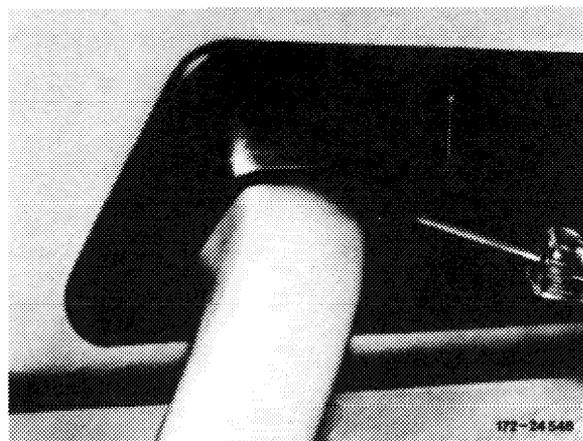
**Removal**

---

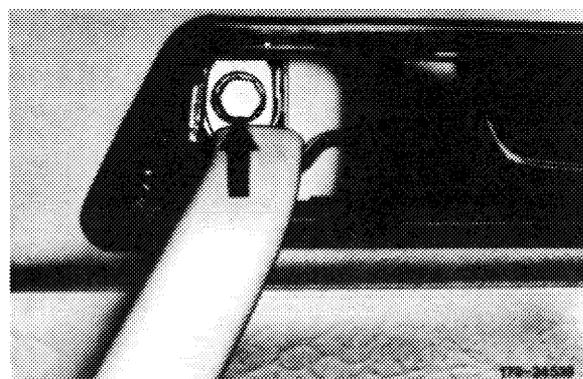
- 1 Remove enclosure on door lock.
- 2 Remove window crank (72-I 10).



- 3 Push off cover.

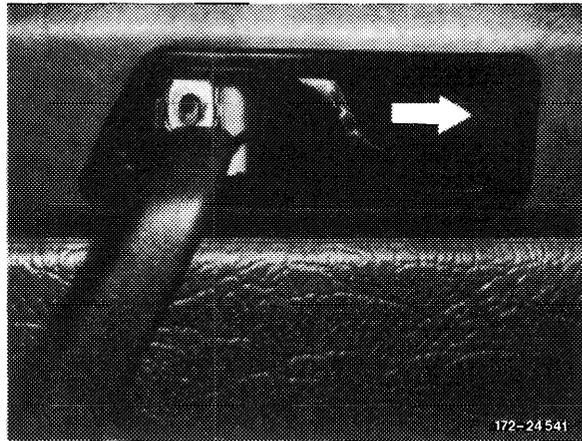


- 4 Loosen screw inside on hand grip.



5 Slide housing of inside door actuation in forward direction while releasing from inside door panel and linkage on inside door handle.

6 Pull door lining in upward direction out of holders and remove.



## Installation

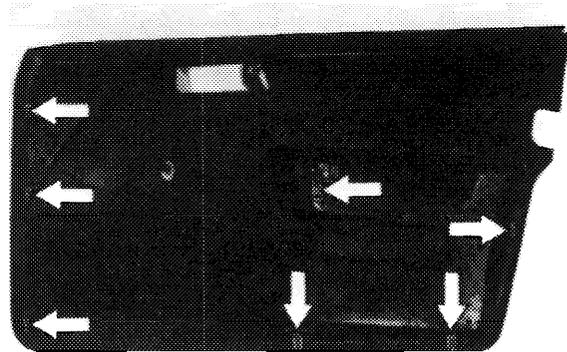
---

7 Engage door lining first with hook on door handle, inside (extended large hook). Then toward the top into sealing rail and enter with hook laterally and below at inside door panelling. For this purpose, lift door lining only to the extent that the large hook in range of door handle will not be disengaged.

8 For further installation proceed vice versa.

**Note:** If sealing sheet on inside door panel is damaged, renew prior to installing door lining,

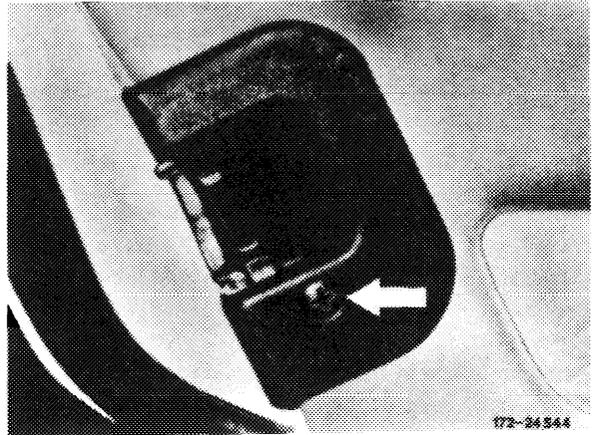
The screw at top of handle is micro-encapsulated and should either be replaced or screwed in with a screw locking compound.



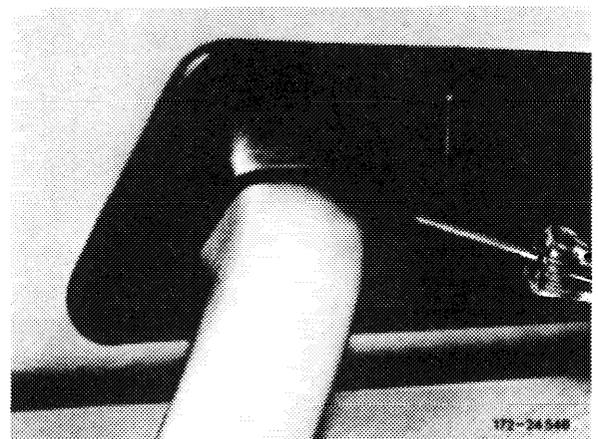
**Removal**

---

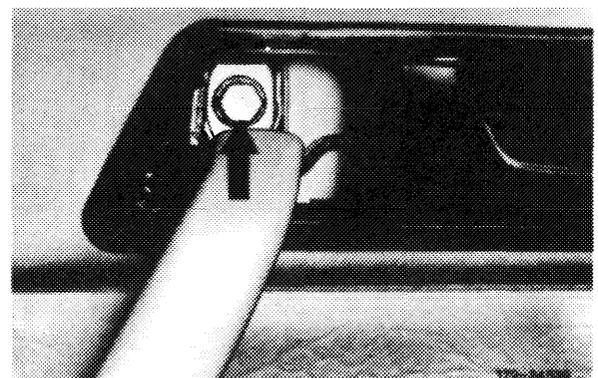
- 1 Remove enclosure on door lock.
- 2 Remove window crank (72-I 10).



- 3 Push off cover.

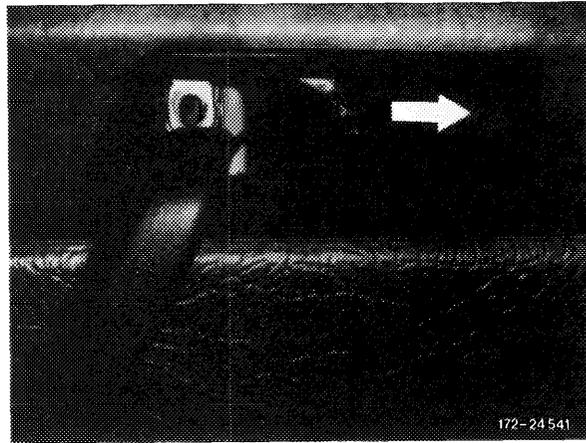


- 4 Unscrew screw inside of holding grip.



**5 Slide housing of inside door actuation forward and release inside out of inside door panel and linkage on door handle.**

**6 Pull door lining out of holders in upward direction and remove.**



### **Installation**

---

**8 Introduce door lining from above into sealing strip and locking button, while simultaneously entering with hook into inside door panel.**

**9 For further installation proceed vice versa.**

**Note: If sealing sheet on inside door panel is damaged, renew prior to installing door lining.**

**The screw at top of handle is micro-encapsulated and should either be replaced or screwed-in with a screw locking compound.**

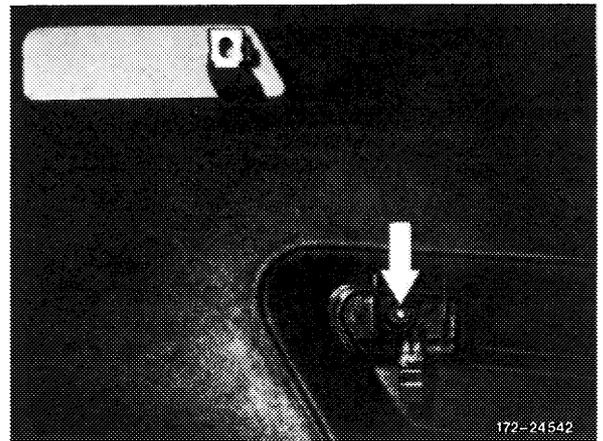
## 72-I 40 Removal and installation of hand grip on door lining

---

### Removal

---

- 1 Remove door lining on driver's door (72-100).
- 2 Unscrew screw on back of door lining and remove hand grip.



### Installation

---

- 3 For installation proceed vice versa.

## 72-160 Removal and installation of sealing rail inside

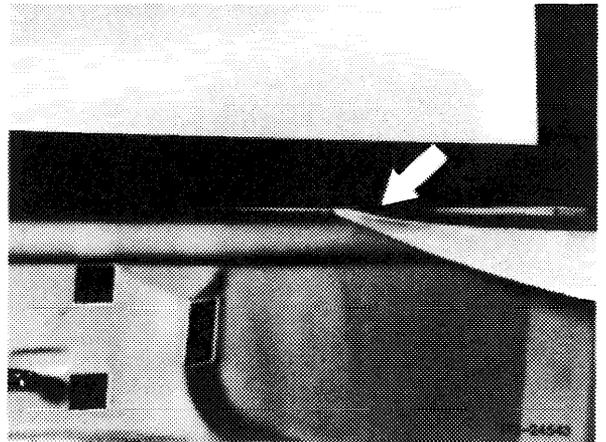
---

### Removal

---

1 Remove door lining on driver's door (72-100).

2 Push sealing rail in upward direction from rebate by means of plastic wedge and remove.



### Installation

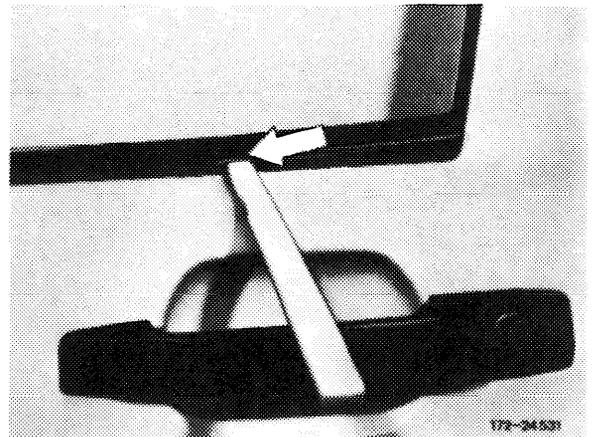
---

3 For installation proceed vice versa.

### Removal

---

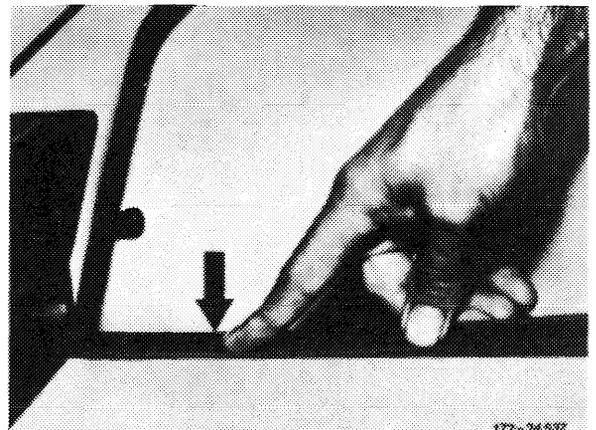
- 1 Set crank window completely down.
- 2 Push sealing rail carefully out of rebate by means of a plastic wedge, starting at the rear.



### Installation

---

- 3 Insert sealing rail flush on window shaft front and push into rebate.



**Removal**

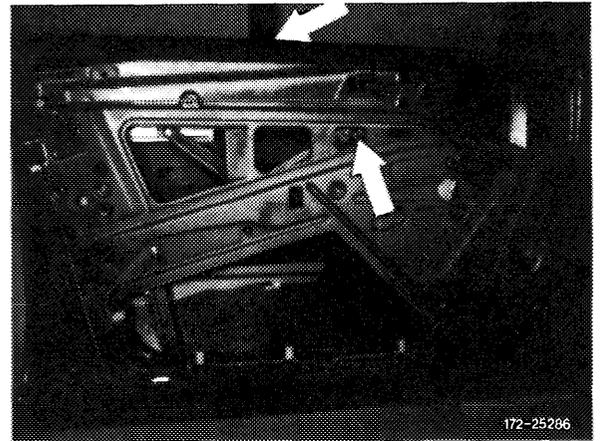
---

1 Remove door lining (72-100).

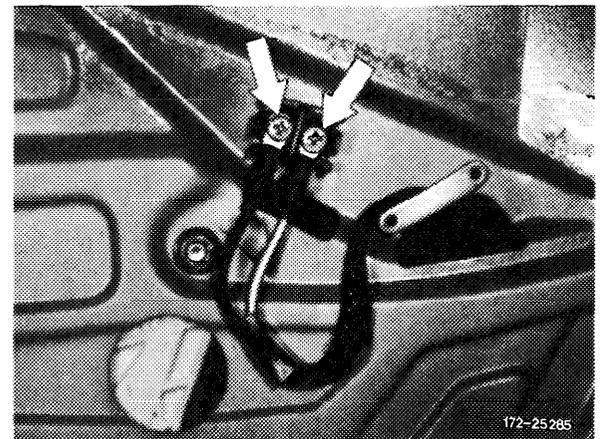
2 Remove plastic sheeting.

3 Crank window down until nut on window opening rail can be seen at the front incuout of inside door panel.

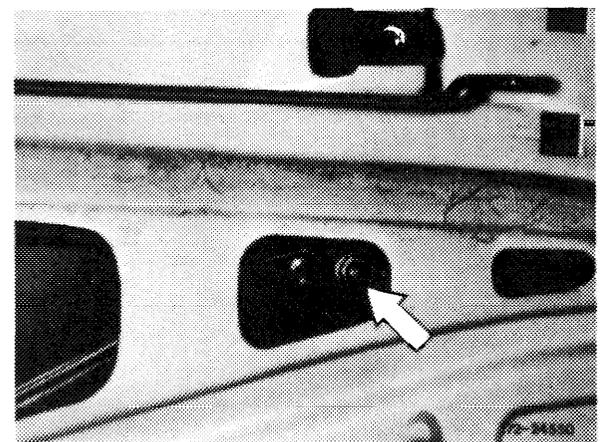
4 Protect window against sliding down by means of a plastic wedge.



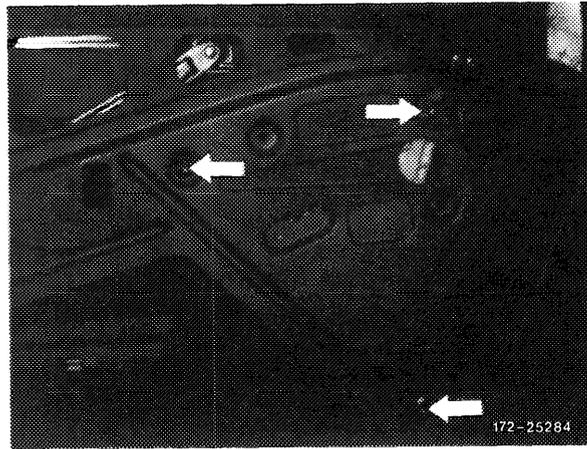
5 Disconnect electrical connections on cable connector.



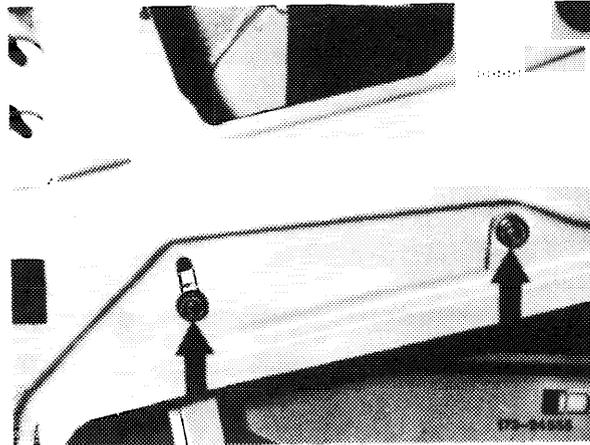
6 Unscrew nut on window opening rail front and remove window opener arm.



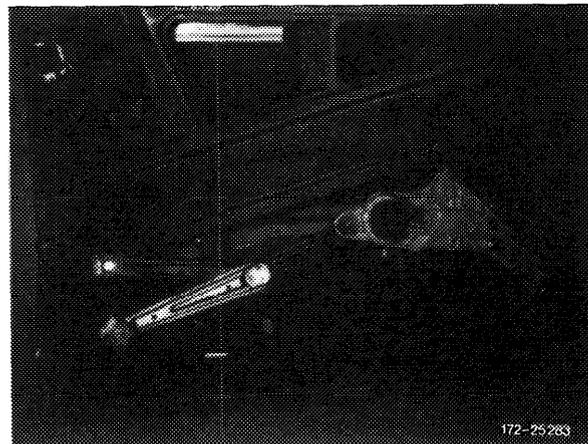
7 Unscrew nuts on window opener.



8 Unscrew nuts on guide rail and remove guide rail from guide element in forward direction.

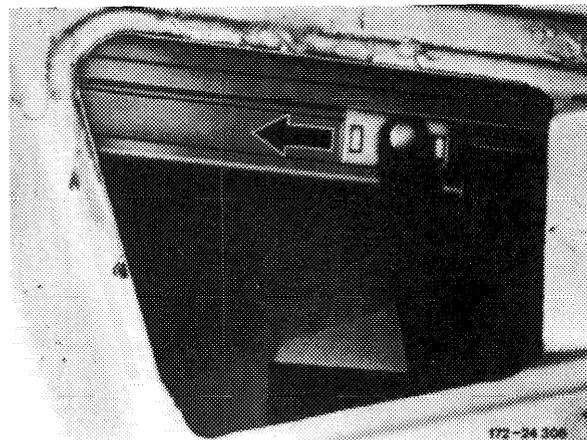


9 Pull out window opener with motor from window opener rail and take out in downward direction.

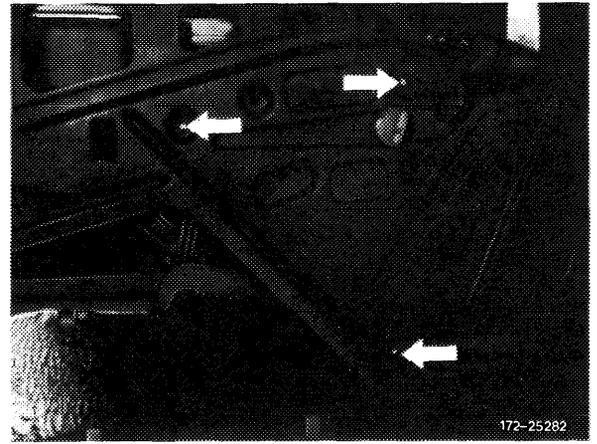


## Installation

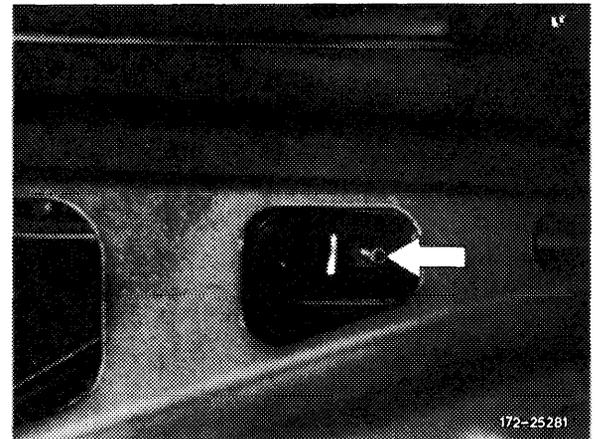
10 Insert window opener arm with guide element from front end into window opener rail.



11 Slide-in window opener with the threaded bolt on inside door panel and attach.



12 Insert window opener arm at front into window opener rail and fasten with nut.

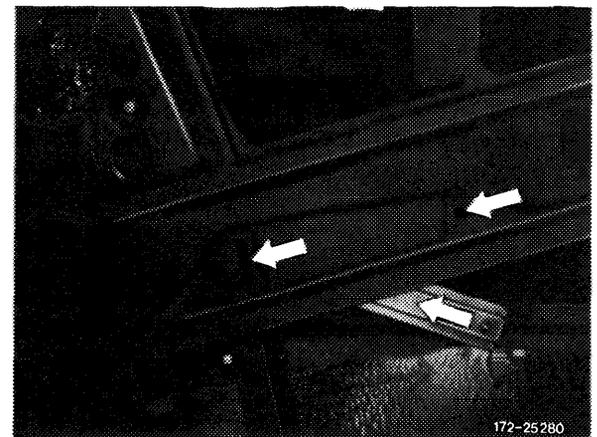


13 Introduce guide rail from the front into guide member and attach at inside door panel.

14 For further installation proceed vice versa. Cables of the same color must be connected together.

15 Prior to attaching the door lining, adjust crank window (72-195).

Note: If door sheeting is damaged during removal, renew and carefully attach by glueing.



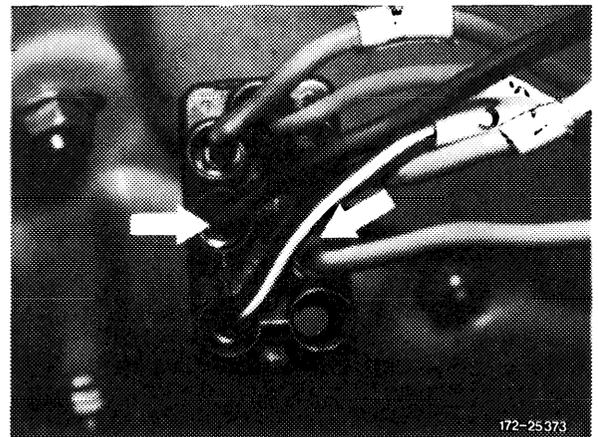
**Removal**

---

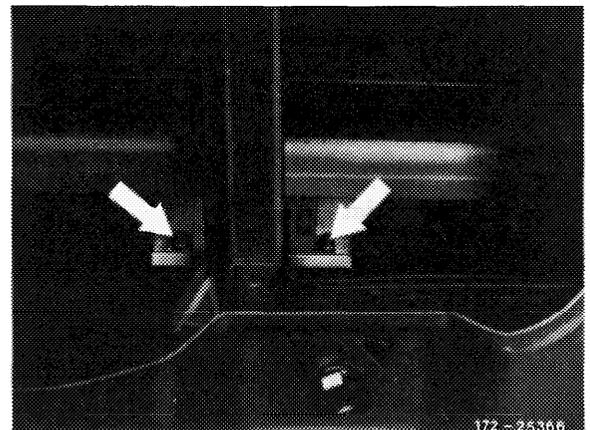
- 1** Crank rear window completely down.
- 2** Press-out rocker-type switch from door lining and remove.
- 3** Dismantle door lining (72-101).
- 4** Remove plastic sheeting.



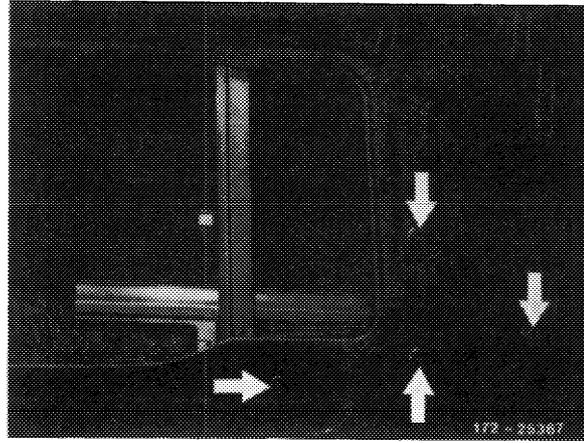
- 5** Open plug connection and pull out the electrical connection cables for the window opener motor.



- 6** Remove locking clamp from guide member.

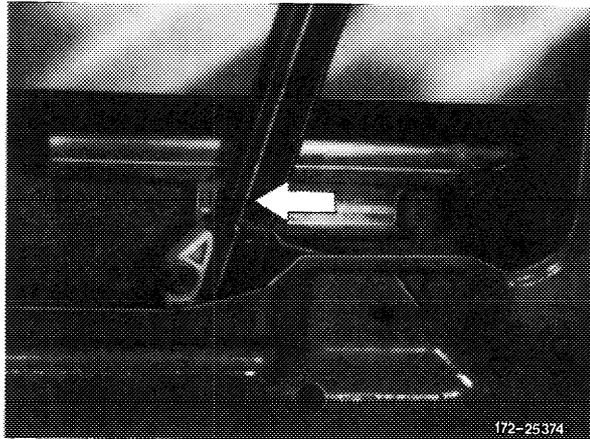


7 Unscrew nuts on window opener and screw on window opener guide rail below.

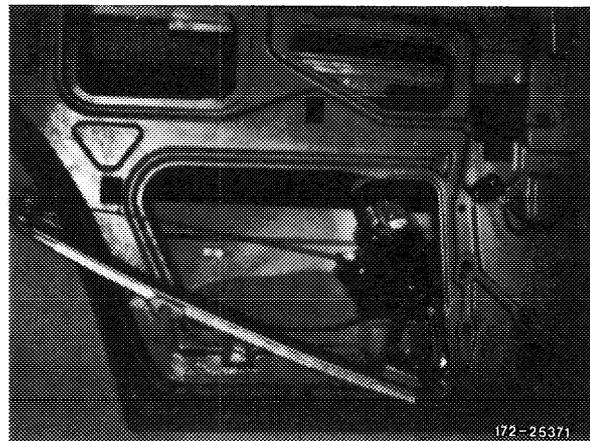


8 Remove window opener from inside door panel and swivel backwards, while sliding guide member from window opener rail outwards.

9 Pull electrical connecting cable from window opener motor out of holder on inner door panel.



10 Remove window opener with motor by taking it out through assembly opening in downward direction.



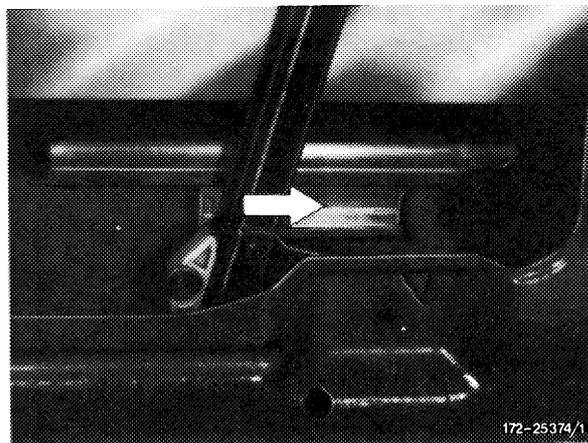
## Installation

---

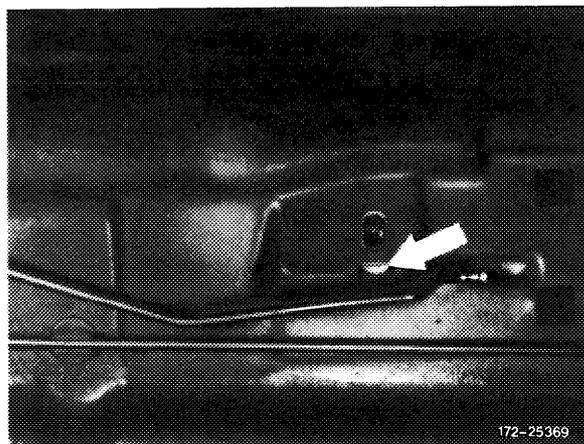
### Attention!

The electric-cable rear window opener may only be actuated in installed condition, since only in connection with the inner door panel, it will have its required functional stiffness (danger of damage).

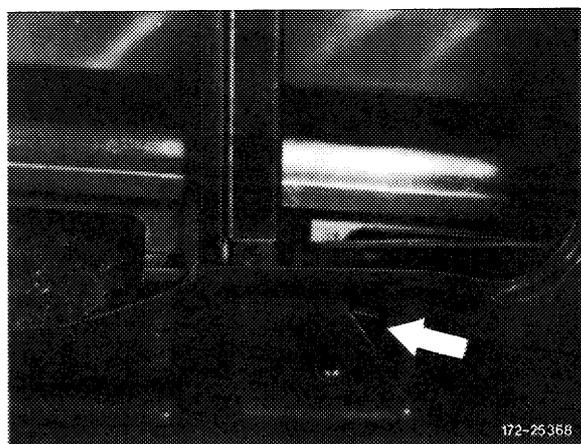
11 Introduce window opener with guide member into window opener rail and install locking clamp.



12 Introduce detent of window opener guide rail above into inner door panel.



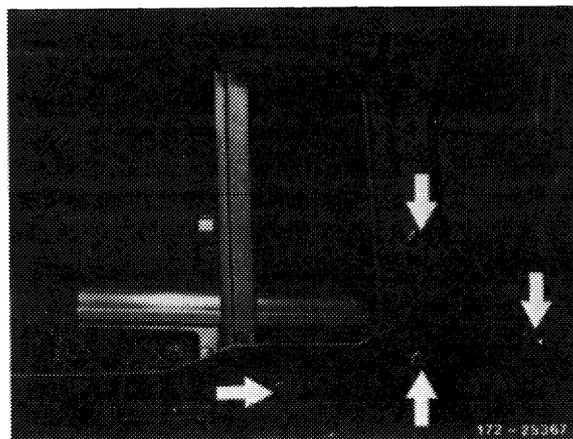
13 Introduce detent of window opener guide rail below into inner door panel.



14 Insert threaded bolt of window opener into inner door panel and tighten.

15 For further installation proceed vice versa.

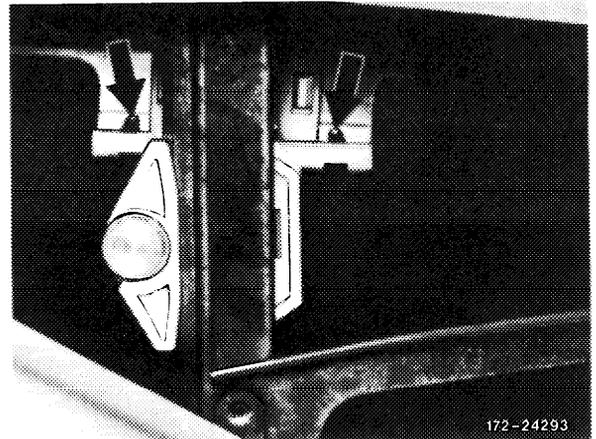
**Note:** Connect electric connections on plug coupling in such a manner that the numbers on coupling and cable are in agreement.



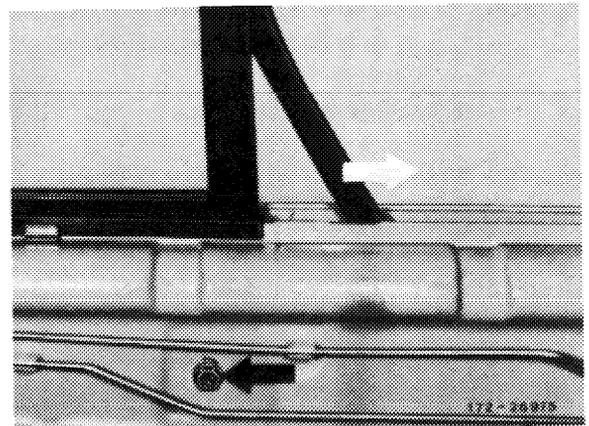
**Removal**

---

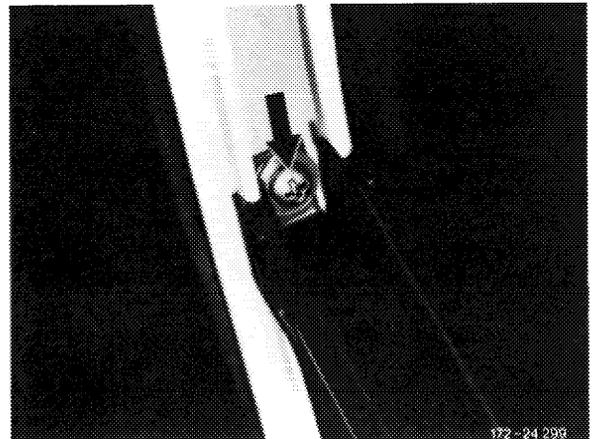
- 1 Remove door lining (72-101).
- 2 Remove plastic sheeting.
- 3 Remove sealing rail, inside (72-160).
- 4 Remove sealing rail, outside (72-170).
- 5 Turn crank window down.
- 6 Remove guide bracket from guide member.
- 7 Push crank window to the rear while extending the window lifting rail out of guide member.
- 8 Lower crank window.



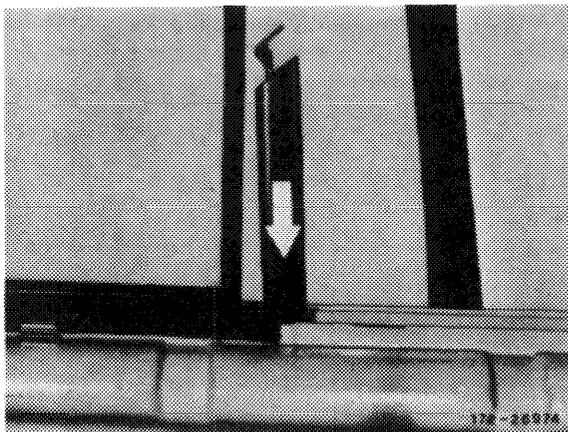
- 9 Pull out flexible window running rail at window web, rear, and unscrew screw on window web, below.



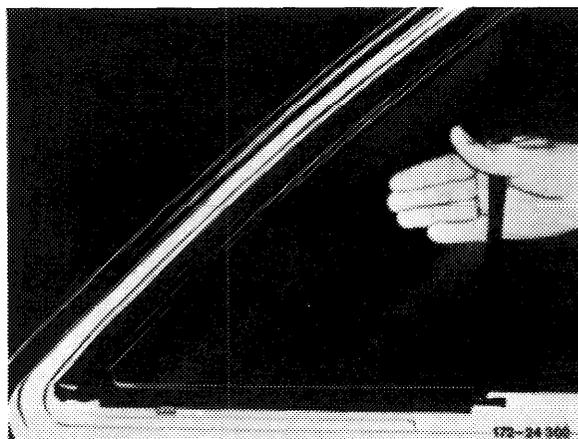
- 10 Unscrew screw on window web, top.



11 Remove window web in downward direction through opening in door inside panel.



12 Pull out window with sealing frame.



### Installation

---

13 For installation proceed vice versa.

**Note:** For better assembly, rub sealing frame with soap solution.

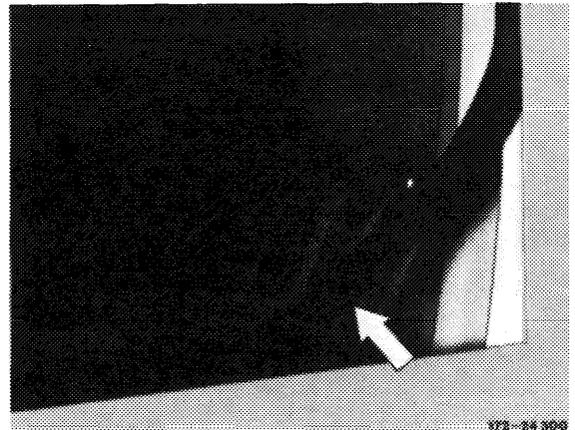
## 72-198 Removal and installation of flexible window run channel

---

### Removal

---

- 1 Remove crank window (72-190 or 72-l 91).
- 2 Pull window run channel out of rebate on door frame and remove.



### Installation

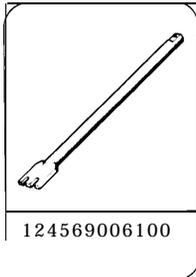
---

- 3 For installation proceed vice versa.

## 72-210 Removal and installation of door holder

---

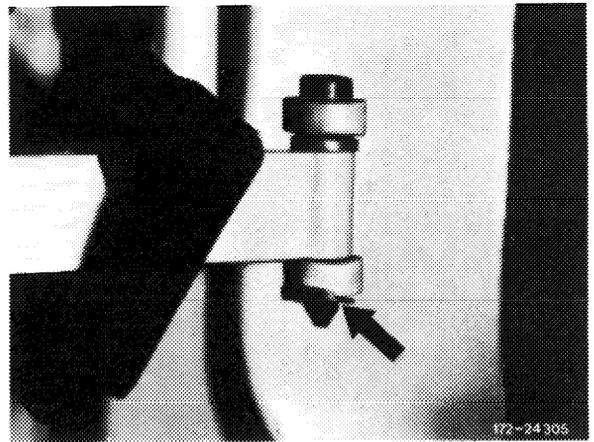
### Special tools



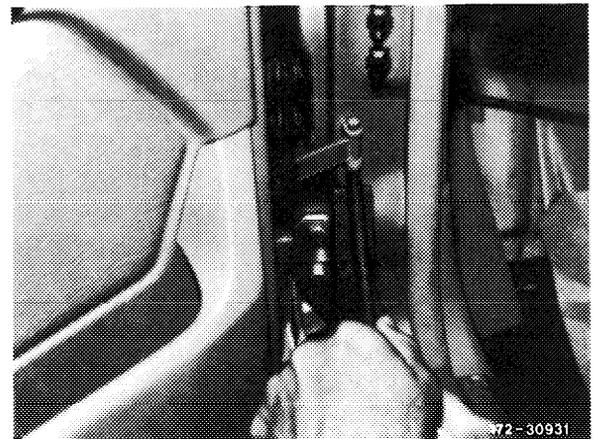
### Removal, installation

---

- 1 Remove door lining (72-100).
- 2 Pull off plastic sheeting in lower range.
- 3 Remove rubber sealing frame and protective lock on bolt.



- 4 Remove bolt with special tool and take off spacing washer.

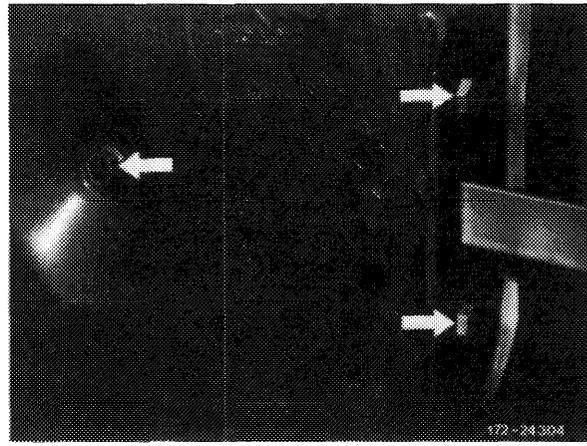


5 Unscrew the two outside screws and the inside screw.

6 Remove door holder.

7 For installation proceed vice versa.

Note: The screws of door holder are micro-encapsulated and must be renewed or screwed in with screw locking compound.



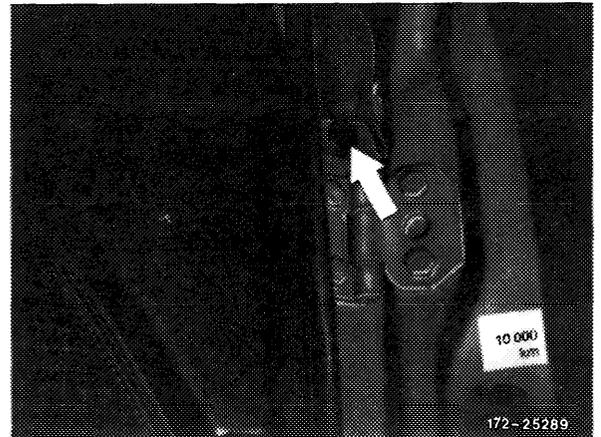
## 72-220 Removal and installation of sealing frame on driver's or rear door

---

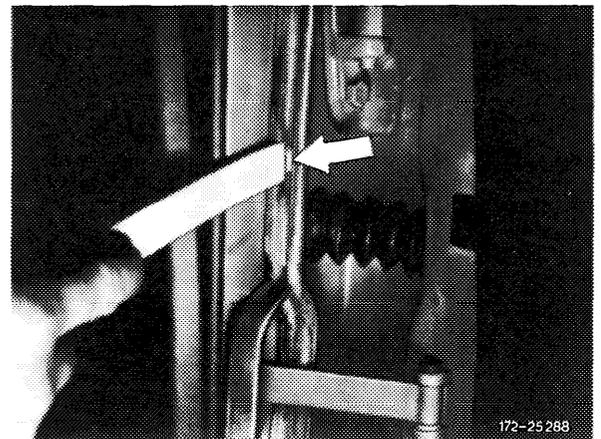
### Removal

---

1 Press out clips on driver's door front side by means of a plastic wedge from door panel.

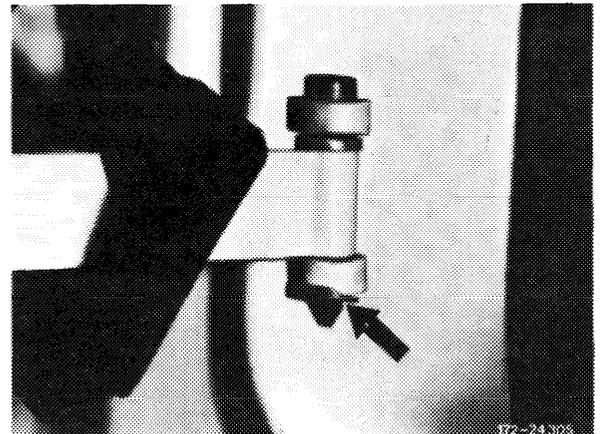


2 Press out clips in the front area of rear door (4 clips).

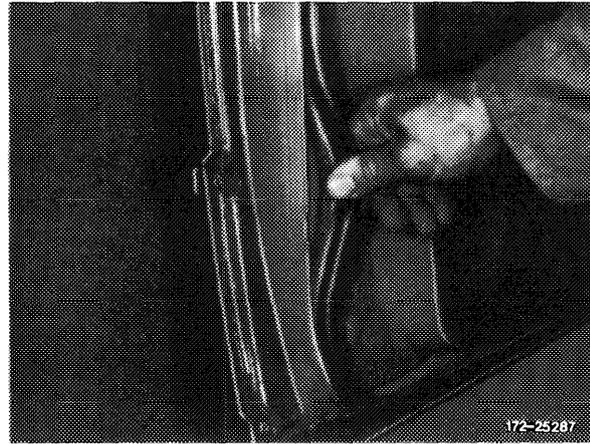


3 Remove lock and remove bolt on door holder.

Note: In order to avoid damage to the door, secure door again by the bolt immediately following removal or installation.



4 Pull out sealing frame from rebate and remove.



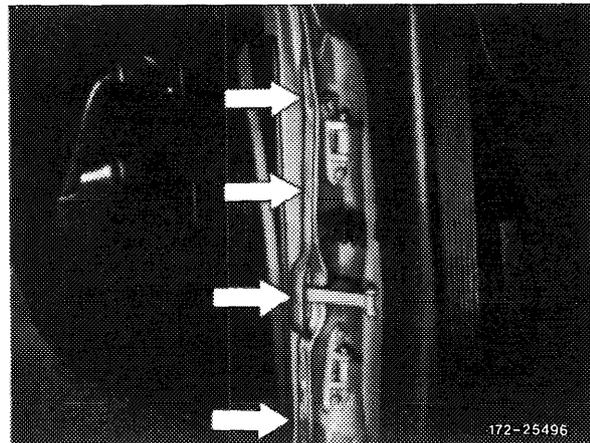
### Installation

---

5 For installation proceed vice versa.

**Note:** Additionally attach sealing frame by glueing in the area of the 4 clips (rear door).

Always replace the clips.



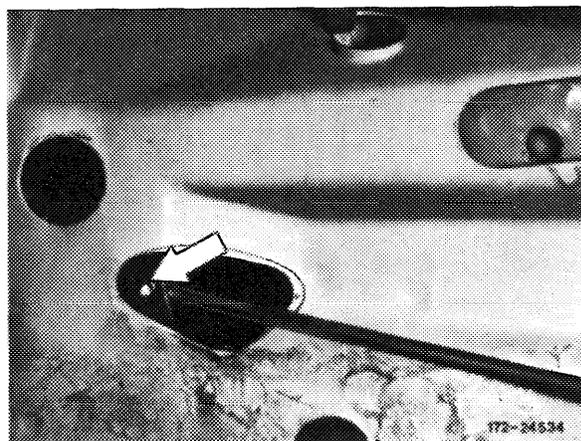
## 72-230 Removal and installation of inside door actuation on driver's door

---

### Removal

---

- 1 Remove door lining (72-100).
- 2 Force pullrod from holding clip and release on door lock.



### Installation

---

- 3 For installation proceed vice versa.

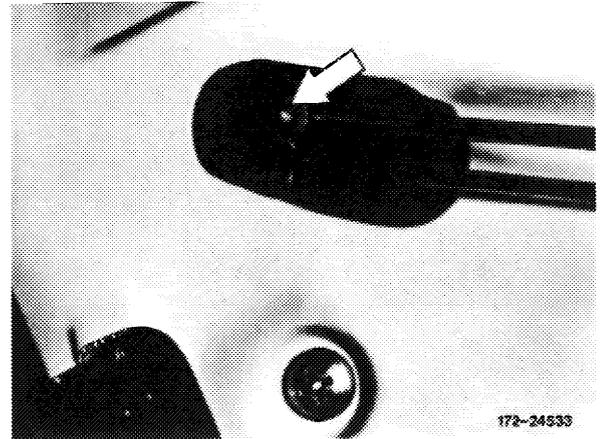
## 72-231 Removal and installation of inside door actuation on rear door

---

### Removal

---

- 1 Remove door lining (72-101).
- 2 Force pullrod from holding clip and release on door lock.



### Installation

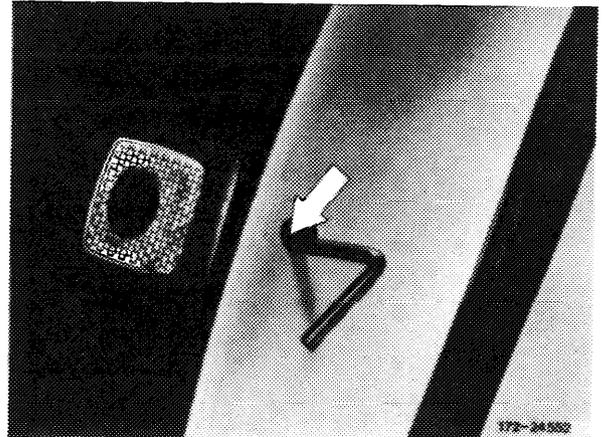
---

- 3 For installation proceed vice versa.

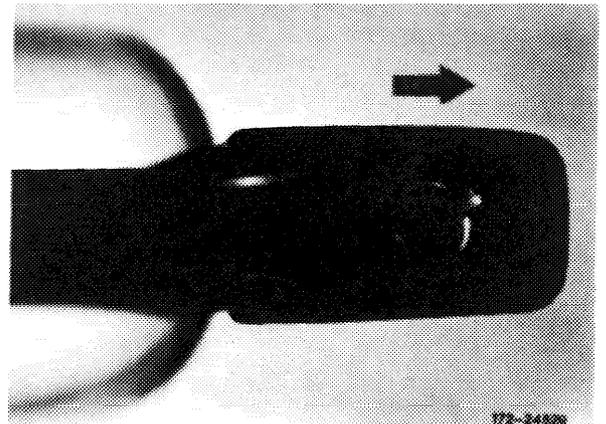
Removal

---

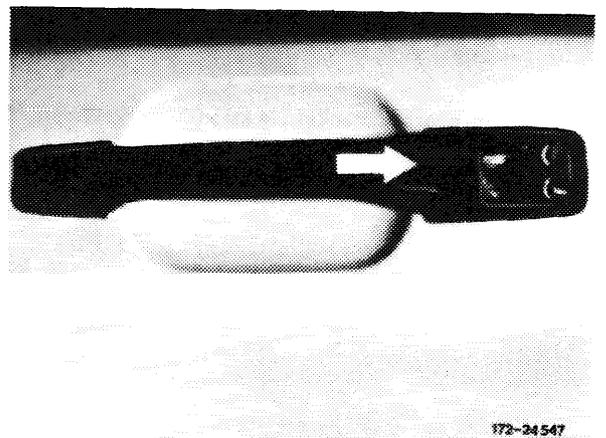
1 Unscrew hex. socket screw (SW 3).



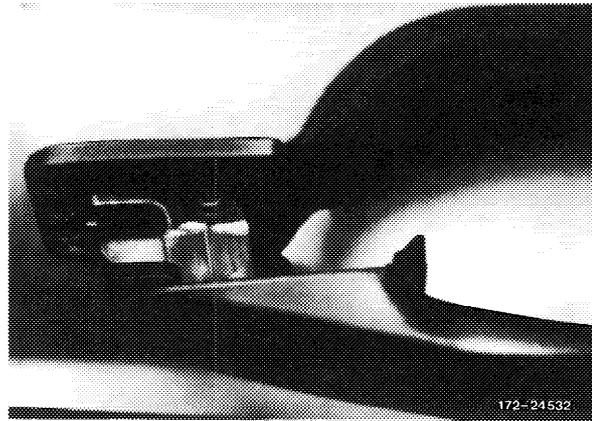
2 Insert door lock into closing cylinder, turn approx. 60° to the rear while simultaneously pushing closing cylinder to the rear out of detent on door panel and remove.



3 Push grab handle to the rear.

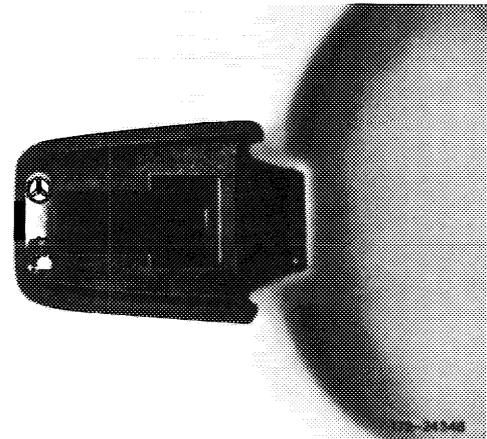


4 Remove grab handle front and rear from bearing bracket.

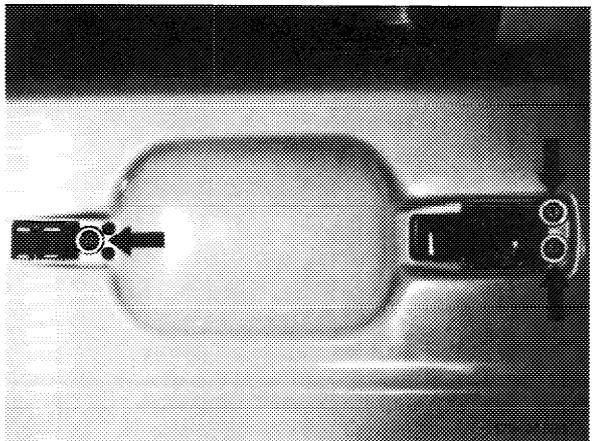


5 Remove rubber escutcheon.

6 Remove door lining (trim) (72-100) and loosen plastic sheeting in upper range.

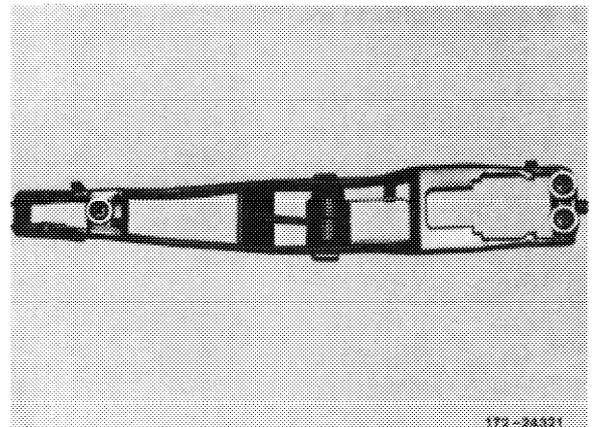


7 Loosen screws from bearing bracket.



8 Pull bearing bracket from inside out of detent on door panel and slide forward.

9 Remove bearing bracket via assembly opening in inside door panel.

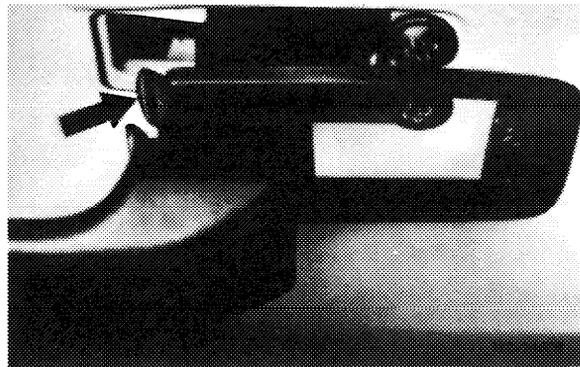


## Installation

---

10 For installation proceed vice versa.

Note: When installing grab handle, insert link of rubber escutcheon between door panel and bearing bracket.



## 92-241 Removal and installation of outside door handle on rear door

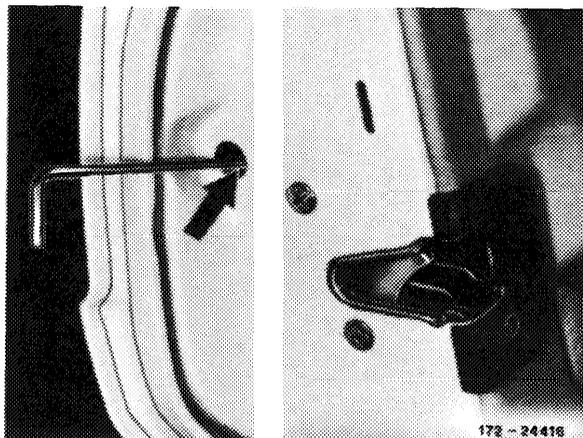
---

### Removal

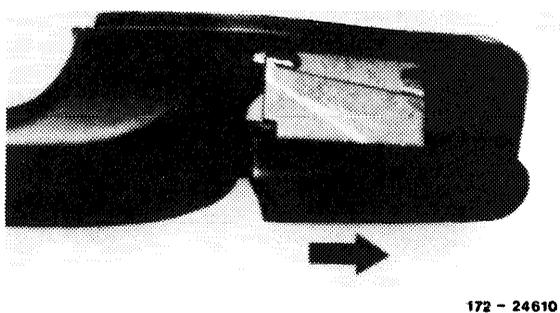
---

1 Pull sealing frame in door lock range out of rebate.

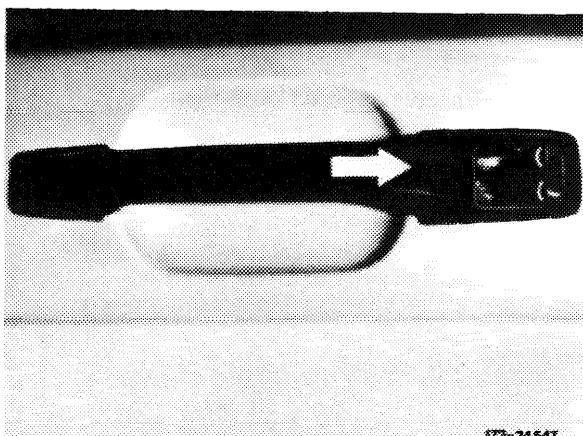
2 Unscrew hex. socket screw (SW 3).



3 Push cover toward the rear and remove.

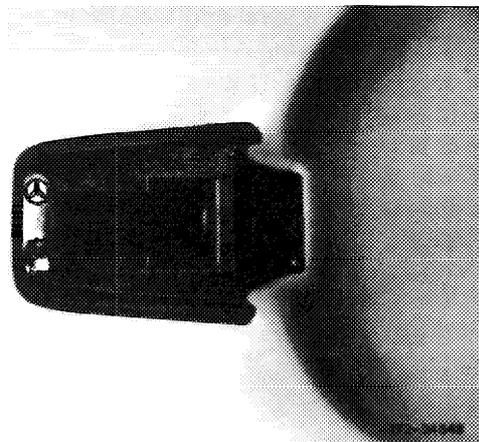


4 Push grab handle toward the rear and remove.

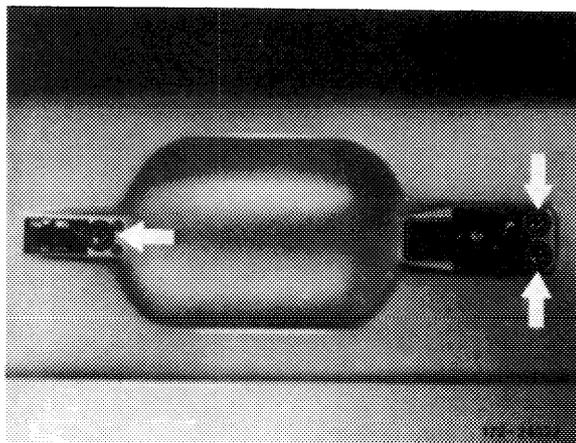


5 Remove rubber escutcheon.

6 Remove door lining (72-101) and loosen plastic sheeting at rear upper range.

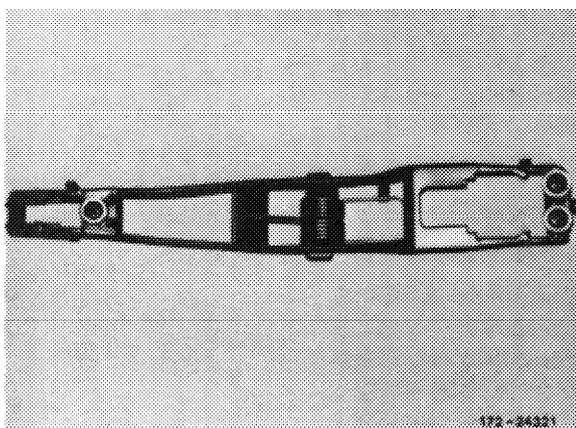


7 Loosen screws from bearing bracket.



8 Pull bearing bracket from inside out of detent on door panel and slide forward.

9 Remove bearing bracket via assembly opening in inside door panel.

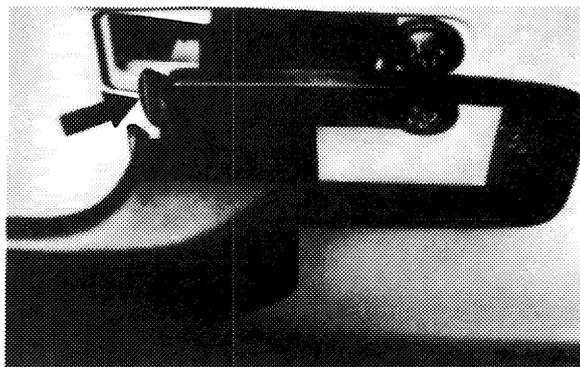


## Installation

---

10 For installation proceed vice versa

**Note:** When installing grab handle, the link of the rubber escutcheon must be inserted between door panel and bearing bracket.

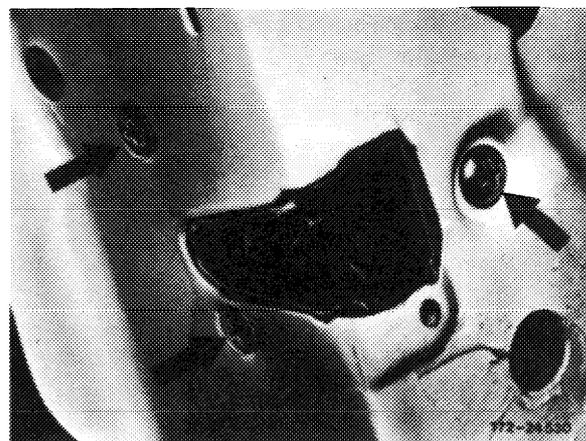


**Removal**

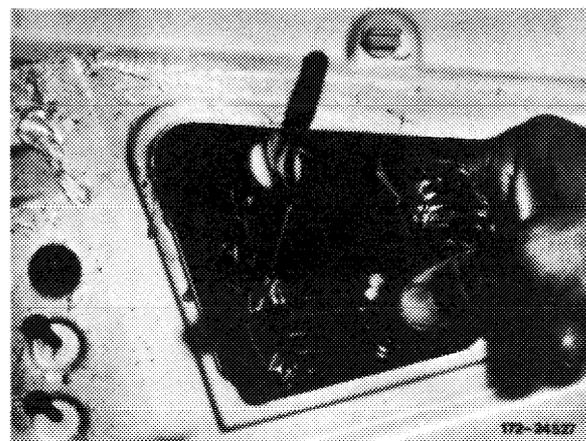
---

- 1 Remove door lining (72-100).
- 2 Remove door inside actuation (72-230).
- 3 Remove closing cylinder on outside door handle (72-240).
- 4 Loosen plastic sheeting in upper range.

- 5 Unscrew screws on door lock.
- 6 Lower door lock and swivel in forward direction around rear window opener rail.



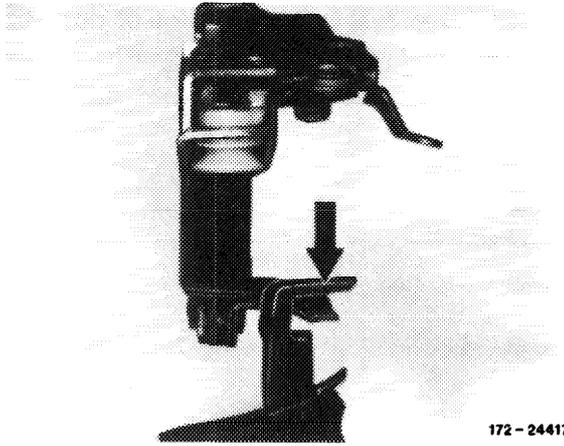
- 7 Remove door lock through upper assembly opening.



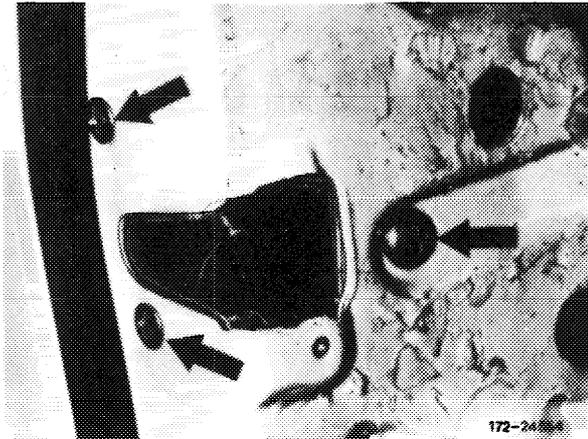
## Installation

---

8 Insert door lock together with locking linkage through assembly opening into door in such a manner that the grab handle comes to rest behind actuating lever of door lock.

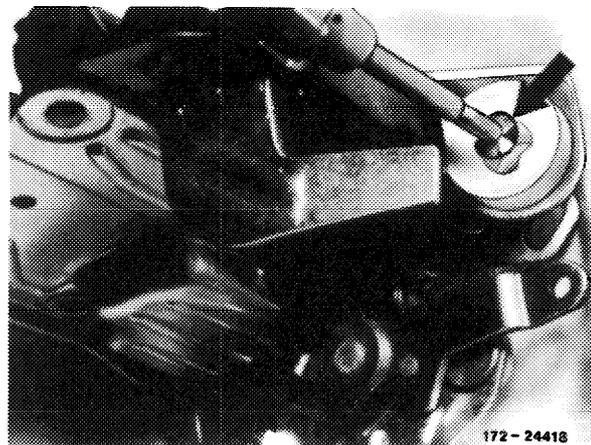


9 Tighten the two fastening screws on face first and then those on inside door panel.



10 Introduce closing cylinder with turning rod into turning nut on door lock.

11 For further installation proceed vice versa.



## 72-251 Removal and installation of door lock on rear door

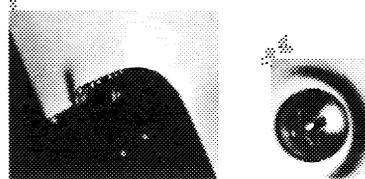
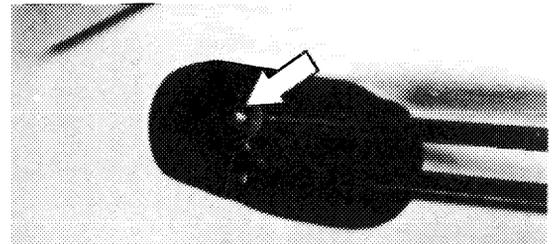
---

### Removal

---

1 Remove door lining (72-101).

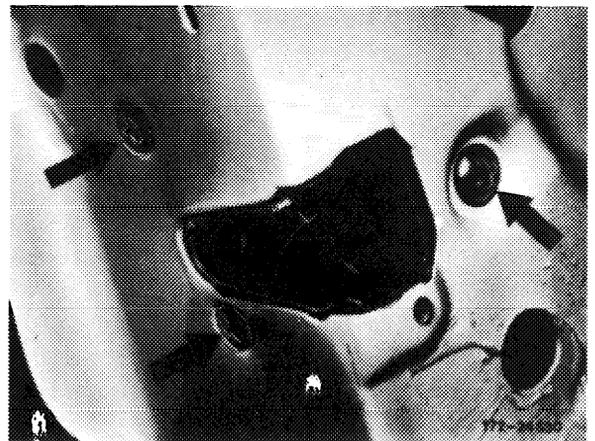
2 Release safety linkage and inside door actuation on door lock.



172-24533

3 Unscrew screws on door lock.

4 Pull grab handle and remove door lock in downward direction out of door.

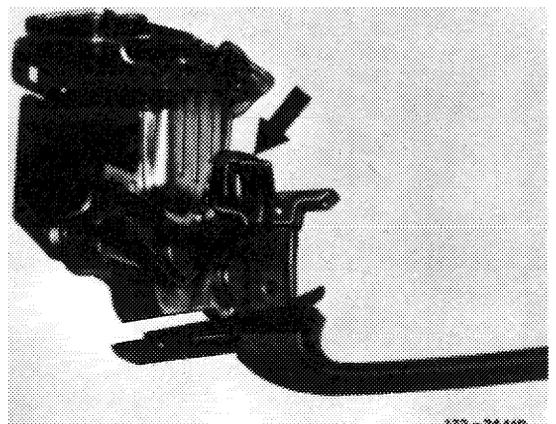


172-24533

### Installation

---

5 Pull grab handle and insert door lock. Make sure that the grab handle comes to rest behind actuating lever of door lock.



172-24419

6 Tighten the two fastening screws on face first and then those on inside door panel.

7 For further installation proceed vice versa.

