



**Haynes**  
shows you how

**BMW 3-Series (92-98) & Z3 (96-98) Haynes Online Manual**

## 14 Door window glass and regulator (3-Series sedan models) - removal and installation

### Removal

#### Front door window

- 1 Fully close the window then lower it approximately 1/8-inch.
- 2 Remove the inner trim panel (see [Section 12](#)).
- 3 Carefully peel the plastic weathershield away from the door panel to gain access to the window components. If the shield is damaged on removal it must be renewed.
- 4 Loosen and remove the window rear guide rail retaining bolt then unhook the rail and remove it from the door (see illustration) .

**14.4 Unscrew the retaining bolt and remove the window rear guide from the door**



- 5 Carefully unclip the window inner sealing strip and remove it from the top of the door (see illustration) .

**14.5 Unclip the window inner sealing strip from the top of the door**



6 On models with electric windows disconnect the wiring connector from the window motor (see illustration) .

**14.6 On models with electric windows disconnect the motor wiring connector to immobilize the motor**



7 With the aid of an assistant, hold the window in position then slide out the retaining clips and detach the regulator arms from the glass (see illustrations) .

**14.7a Slide out the retaining clip . . .**



**14.7b . . . and unclip the regulator arms from window glass slides**



8 Carefully maneuver the window glass upwards and out of the door and recover the slide from the glass guide rails (see illustration) .

**14.8 Tilt the window glass and remove it from the front door**



## Front door window regulator

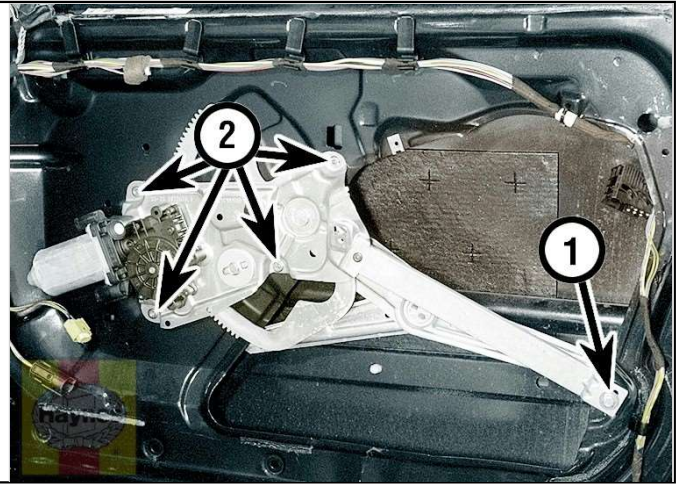
9 Remove the window glass as described earlier in this Section.

10 Remove the retaining screw securing the interior handle to the regulator then detach the handle from the link rod and remove.

11 Loosen and remove the regulator lower retaining screw (see illustration) .

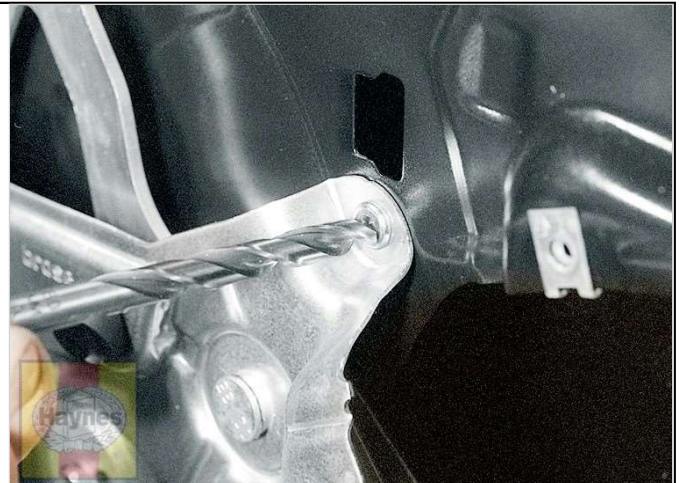


### 14.11 Front window regulator retaining bolt (1) and rivets (2)



12 Using a drill and 15/64-inch drill bit, carefully drill the heads off the regulator retaining rivets (see illustration) . On installation replace the rivets with 1/4 inch or 6 mm bolts, which are approximately 3/8 inch or 10 mm in length, washers and nuts.

### 14.12 Drill out the regulator rivets and replace them with 1/4-inch or 6 mm bolts and nuts on installation



13 Maneuver the regulator assembly out from the door.

## Rear door window glass

14 Remove the door inner trim panel (see [Section 12](#)).

15 Peel back the window sealing strip from the front edge of the door to gain access to the window trim panel screws. Unscrew the retaining screws and remove the panel from the door (see illustrations) .

**14.15a Peel the sealing strip away from the front edge of the door then remove the three retaining screws (arrows) . . .**



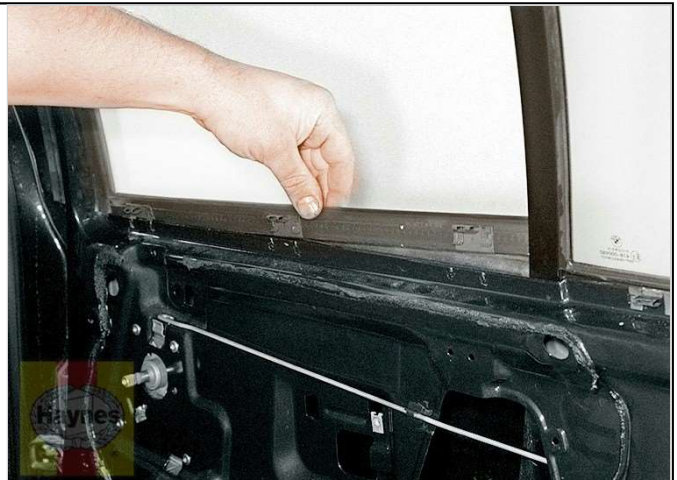
**14.15b . . . and remove the window trim panels from the rear door**



**16 Carefully peel the plastic weathershield away from the door panel to gain access to the window components. If the shield is damaged on removal it must be renewed.**

**17 Carefully remove the window inner sealing strip from the top of the door (see illustration) .**

**14.17 Unclip the inner sealing strip from the top of the door**



**18 Lower the window so that access to the window guide clip can be gained.**

19 On models with electric windows, disconnect the wiring connector from the window motor.

20 Carefully ease the window sealing strip out from the door frame (see illustration) .

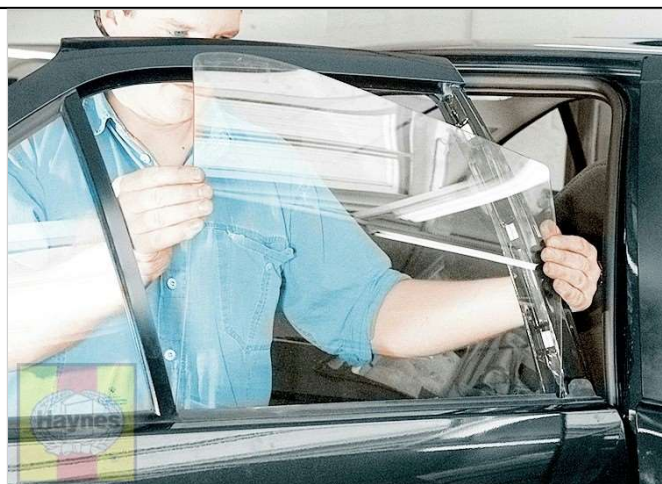
**14.20 Ease the window sealing strip out from the door frame**



21 Slide out the retaining clip and free the regulator arm from the window guide clip (see illustrations 14.7a and 14.7b) .

22 Lift the window out through the top of the door and recover the slide from the window guide (see illustration) .

**14.22 Removing the rear door window glass**



## Rear door fixed window glass

23 Remove the window glass (see steps 14 through 22).

24 Remove the sealing strip (if not already done so) then loosen and remove the window guide rail retaining screw and bolts and reposition the guide clear of the fixed window (see illustrations) .



**14.24a Loosen and remove the upper retaining screw . . .**



**14.24b . . . and the lower retaining bolts (arrows) . . .**



**14.24c . . . and position the window guide rail clear of the fixed window**



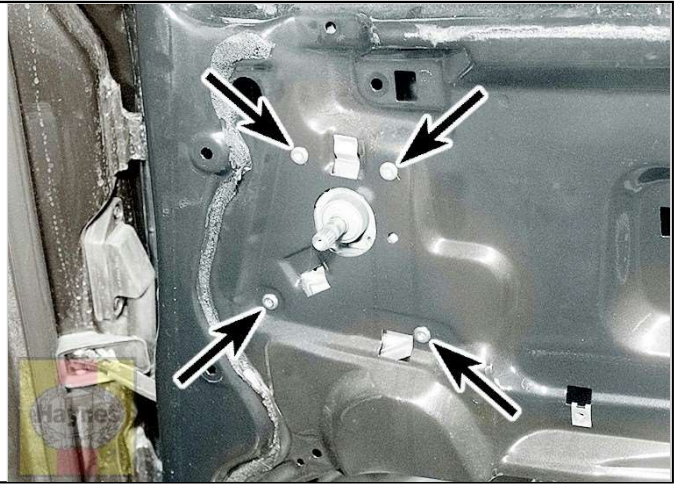
**25 Release the fixed window sealing strip from the door and remove the window.**

## **Rear door window regulator**

**26 Remove the window (see steps 14 through 22).**

**27 Remove the regulator (see steps 12 and 13) (see illustration) .**

### 14.27 Rear window regulator retaining rivets (arrows)



## Installation

### Note:

Upon completion, on models with electric windows, initialize the windows (see [Section 19](#)).

### Front door window

28 Installation is the reverse of removal making sure the regulator arms are securely clipped in position. Prior to fitting the weathershield, operate the window and check that it moves easily and squarely in the door frame. If necessary, adjustments can be made by loosening the stop bolt on the regulator mechanism and moving the position of the bolt in its slot. Once the window is correctly adjusted tighten the stop bolt to the specified torque.

### Front door window regulator

29 Installation is the reverse of removal, replacing the regulator rivets with 1/4 inch or 6 mm bolts. Install the window glass and adjust (see step 28).

### Rear door window glass

30 Installation is the reverse of removal. Prior to installing the weathershield, check that the window operates smoothly and easily.

### Rear door fixed window glass

31 Installation is the reverse of removal making sure the window seal is correctly located in the door.

### Rear door window regulator

32 Installation is the reverse of removal. Prior to installing the weathershield, check that the window operates smoothly and easily.



