

**Haynes**  
*shows you how*

**BMW 3-Series and Z4 (99-05) Includes 2006 325ci/330ci Coupe and Convertible models Haynes Online Manual.**

## 14 Door glass and regulator (Sedan and Sport Wagon) - removal and installation

### Warning:

The models covered by this manual are equipped with Supplemental Restraint systems (SRS), more commonly known as airbags. Always disarm the airbag system before working in the vicinity of any airbag system component to avoid the possibility of accidental deployment of the airbag, which could cause personal injury (see Chapter 12) . Do not use a memory saving device to preserve the ECM's memory when working on or near airbag system components.

## Removal

### Front door window

#### Note:

BMW states that each time the window is released from the fixing clamps, the plastic 'holders' in the clamps must be replaced.

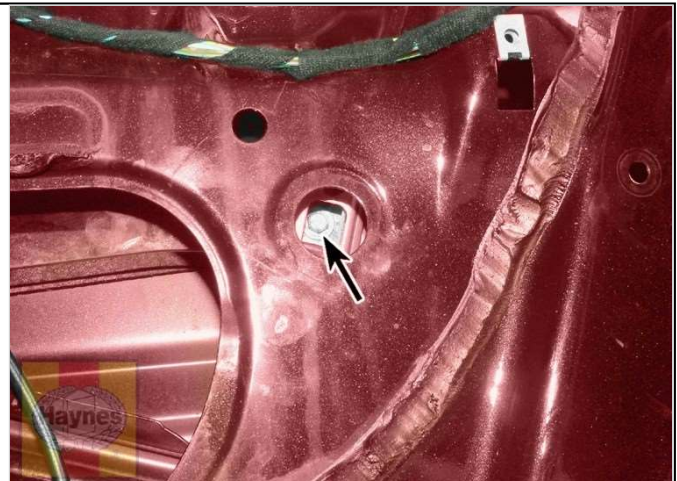
- 1 Fully open the window then raise it approximately 140 cm (measured at the rear of the glass).
- 2 On models with electric windows, disconnect the cable from the negative terminal of the battery (see [Chapter 5, Section 1](#)).
- 3 Remove the inner trim panel and the sound insulation panel ( [Section 12](#) ).
- 4 Starting at the rear using a wide, flat-bladed tool, carefully lever up the window outer sealing strip from the door skin (see [illustration](#)) . Use a length of cardboard between the door and the tool to prevent damage to the paint.

**14.4 Place a strip of cardboard between the trim and the screwdriver to prevent damage**



**5 Loosen the front and rear window clamp bolts (see illustrations) .**

**14.5a Loosen the window rear . . .**



**14.5b . . . and front clamp bolts**



**6 Lifting the rear first, remove the window from the vehicle (see illustration) .**

### 14.6 Lift the rear of the window first



## Front door window regulator

7 Release the door window from the regulator clamps, as described earlier in this Section. Note that there is no need to remove the window from the door, simply use adhesive tape, or rubber wedges, to secure the window in the fully closed position.

8 Remove the bolts securing the rear window guide to the door, and lower the guide to the base of the door (see illustration) .

### 14.8 Remove the rear window guide bolts



9 On models with electric windows, disconnect the window regulator wiring connectors, and release the harness from any retaining clips.

10 On all models, remove the regulator/motor mounting nuts, release any retaining clips, and lower the assembly to the base of the door. Maneuver the assembly from the door, rear edge first (see illustrations).

**14.10a Remove the regulator mounting bolts . . .**

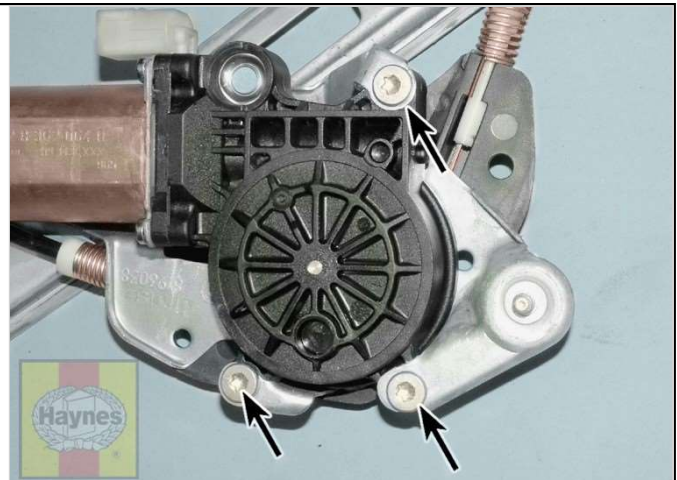


**14.10b . . . and maneuver the assembly from the door**



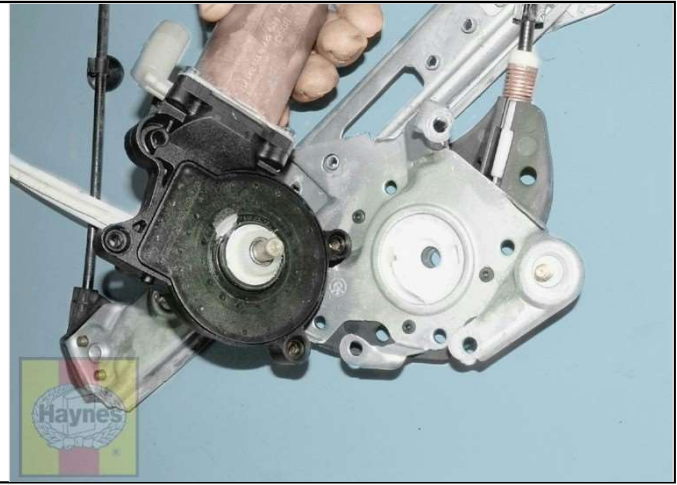
**11 Where applicable, remove the retaining Torx bolts and separate the motor from the regulator (see illustrations) .**

**14.11a Remove the Torx bolts . . .**





**14.11b . . . and separate the motor from the regulator**



## Rear door window glass

**Note:**

BMW states that each time the window is released from the fixing clamp, the plastic 'holder' in the clamp must be replaced.

12 Remove the door inner trim panel and sound insulation panel (see [Section 12](#)).

13 Using a wide, flat-bladed tool, carefully lever up the window outer sealing strip from the door skin (see [illustration](#)) . Use a length of cardboard between the door and the tool to prevent damage to the paint.

**14.13 Carefully remove up the window outer sealing strip**



14 Carefully unclip the door inner plastic trim, then peel back the window sealing strip from the front edge of the window opening to gain access to the window trim panel screws. Remove the retaining screws, peel away the door weatherstrip adjacent to the panel, and remove the panel from the door (see [illustrations](#)) .

**14.14a Unclip the plastic trim . . .****14.14b . . . peel back the sealing strips . . .****14.14c . . . remove the screws and remove the trim**

15 Fully lower the window, then raise it approximately 115 mm, measured at the front edge. On models with electric windows, disconnect the cable from the negative battery terminal (see [Chapter 5, Section 1](#)).

16 Loosen the window clamp screw (see illustration) .

### 14.16 Loosen the window clamp screw



17 Maneuver the window out through the top of the door.

## Rear door fixed window glass

18 As the rear door fixed window is bonded in place, replacement of the window should be entrusted to a BMW dealer or automotive glass specialist.

## Rear door window regulator

19 Remove the door inner trim panel and sound insulation panel, as described in [Section 12](#) .

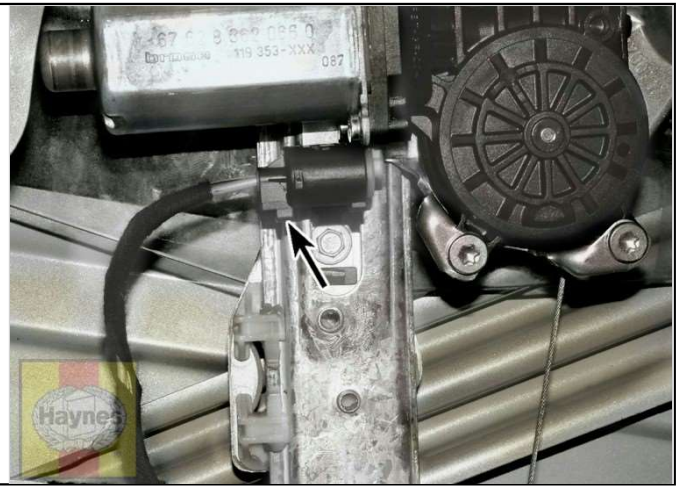
20 Fully lower the window, then raise it approximately 115 mm, measured at the front edge, so that the window clamp screw is visible. Loosen the window clamp screw and lift the window to the top of the door frame (see [illustration 14.16](#)) . Secure the window in place using adhesive tape or rubber wedges (see [illustration](#)) .

### 14.20 Secure the window using tape



21 On models with electric rear windows, disconnect the cable from the negative battery terminal (see [Chapter 5, Section 1](#) ). Disconnect the regulator motor wiring connector (see [illustration](#)) , and release the harness from any retaining clips.

### 14.21 Rear window regulator wiring connector



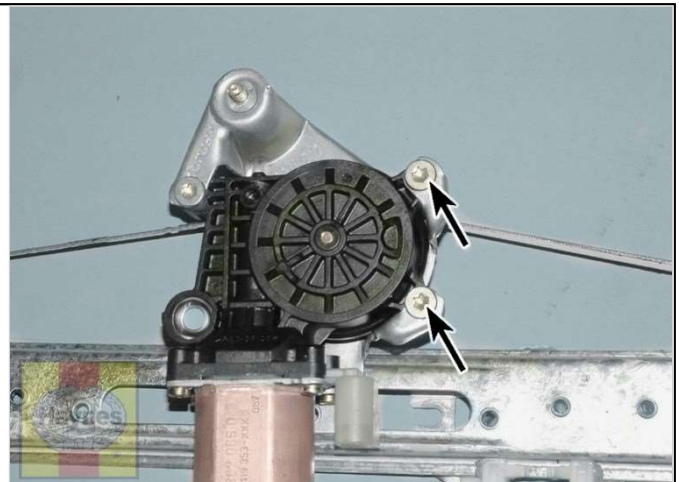
22 On all models, remove the regulator/motor securing bolts, release any retaining clips and lift out the lower end of the assembly, and maneuver it from the door (see illustration) .

### 14.22 Remove the regulator mounting bolts



23 Where applicable, remove the two retaining bolts, and remove the motor from the regulator (see illustration)

### 14.23 Rear window motor bolts





## Rear side fixed window (Sport Wagon)

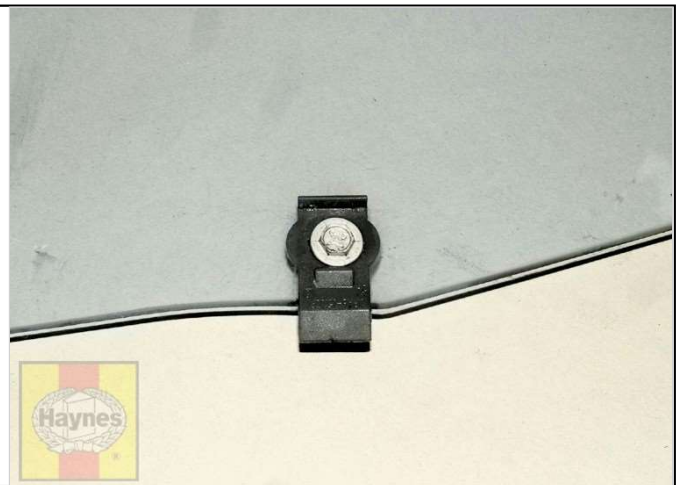
24 As the rear side fixed window is bonded in place, replacement of the window should be entrusted to a BMW dealer or automotive window specialist.

## Installation

### Front door window

25 Installation is the reverse of removal. Smear the window outer sealing strip with a soapy solution (dish soap). Use new window clamp 'holders' (see illustration) . Prior to fitting the door sound insulation panel, loosen the window rear guide securing bolts (see illustration 14.8) . Reconnect the battery negative lead (where applicable), and fully open the window. Tighten the rear window guide securing bolts. Operate the window and check that it moves easily and squarely in the door frame.

#### 14.25 Replace the window clamp plastic holders



### Front door window regulator

26 Installation is the reverse of removal. Install the window glass and adjust as described earlier in this Section.

### Rear door window glass

27 Installation is the reverse of removal. Use new window clamp 'holders' (see illustration 14.25) . Prior to installing the door sound insulation panel, check that the window operates smoothly and easily.

### Rear door fixed window glass

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

### Rear door window regulator

29 Installation is the reverse of removal. Prior to installation the sound insulation panel, check that the window operates smoothly and easily.

