

**Haynes**  
shows you how

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

## 19 Electric window components - 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.

### Caution:

These vehicles are equipped with the Central Body Electronic (ZKE-V) system. Each individual system is linked to a centralized control module that allows efficient and accurate troubleshooting. This control module governs the windshield wipers and washers, the central locking and anti-theft system, the power windows, the interior lights, the alarm system and the electronic consumer sleep mode. In the event of a malfunction with this system, have the vehicle diagnosed by a dealer service department or other qualified automotive repair facility, as special test equipment is required.

## Window switches

1 Refer to [Chapter 12, Section 4](#) .

### Sedan/Sport Wagon window motors

2 Remove the window regulator as described in [Section 14](#) .

3 Loosen and remove the retaining screws and remove the motor from the regulator.

4 On installation, fit the motor to the regulator and securely tighten its retaining screws.

5 Install the regulator assembly as described in [Section 14](#) .

### Coupe front window motors

6 Removal and installation of the motors requires the regulator to be removed from the door. This task should be

entrusted to a BMW dealer (see [Section 15](#)).

## Coupe side window motor

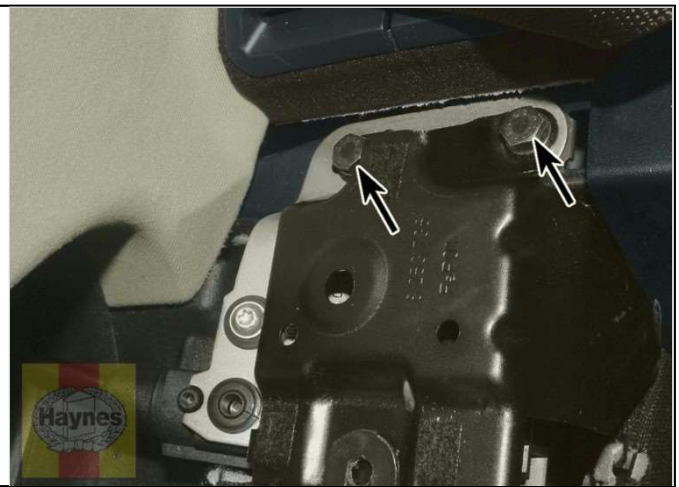
7 Using a plastic wedge, carefully lever away the plastic cap over the window link rod (see illustration 15.2) .

8 Lever the window link rod front the mounting on the window (see illustration 15.3) .

9 To remove the plastic trim over the motor, press in the center pin and remove the expanding rivet. Maneuver the trim over the motor link rod.

10 Remove the two mounting bolts, and remove the motor with the bracket (see illustration) . Disconnect the wiring connector as the motor is withdrawn.

### 19.10 Remove the motor mounting screws



11 If required, remove the two screws and separate the motor from the bracket.

12 Installation is a reversal of removal, noting that the plastic cap over the link rod has an inner lug which locates in the groove of the window link rod socket.

## General Module (GM-V)

13 The electric window system is controlled by the central body electronics (ZKE V) control unit, known as the General Module (GM V), which is located behind the passenger side glovebox. To access the control unit, remove the glovebox as described in [Section 27](#) .

14 Release the retaining clips and lower the module out of position (see illustration) .

**19.14 Release the clips and remove the module**



**15 Release the retaining clip then disconnect the wiring connector(s) and remove the module from the vehicle.**

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