

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

29 Electric window components - removal and installation

Warning:

On models equipped with airbags, always disable 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 Section 24).

Note:

Whenever any component of the electric window electrical system is disconnected, the electronic control unit must be initialized once the battery is reconnected. To do this, close the doors then raise each window to the fully closed position and hold down the switch for approximately 5 seconds. This will enable the one-touch switch facility and the anti-jam window system.

Window switches

- 1 Refer to [Section 4](#) .

Window motors

Sedan models

- 2 Remove the window regulator (see [Section 14](#) in [Chapter 11](#)).
- 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 (see [Section 14](#) , 15 or 16 in [Chapter 11](#)) and initialize the windows (see **Note** above).

Window motors

Coupe models

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 or other qualified repair shop (see [Section 15](#) in [Chapter 11](#)).

Electronic control module

Sedan models

Note:

On some models the windows are controlled by the central body electronics (ZKE IV) control module (depending on model and specification).

7 Disconnect the battery and remove the glovebox (see [Section 27](#) in [Chapter 11](#)). **Caution:** *If the radio in your vehicle is equipped with an anti-theft system, make sure you have the correct activation code before disconnecting the battery.*

8 Release the retaining clips and remove the lower dash panel from beneath the glovebox aperture.

9 Disconnect the wiring connector then release the retaining clip and withdraw the control module.

10 Installation is a reverse of removal. On completion initialize the windows (see **Note** at the beginning of this Section).

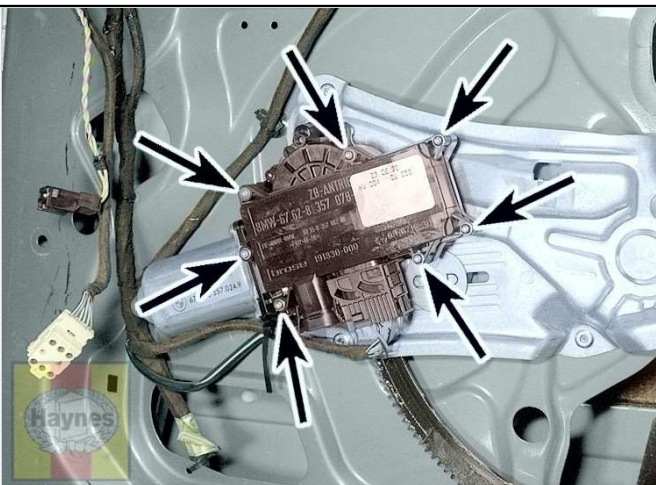
Coupe models

11 On coupe models there are two control modules, one for each window. Each unit is bolted onto its respective window motor. Prior to removal, lower the window slightly then disconnect the battery negative terminal. **Caution:** *If the radio in your vehicle is equipped with an anti-theft system, make sure you have the correct activation code before disconnecting the battery.*

12 Remove the door inner trim panel (see [Section 12](#) in [Chapter 11](#)) and carefully peel off the plastic vapor barrier to reveal the control module.

13 Disconnect the wiring connector(s) then unscrew the retaining screws and remove the ECM squarely from the motor (see *illustration*) . Recover the sealing ring from the motor groove; if the seal shows signs of damage it must be replaced.

29.13 Electric window ECM retaining screws (arrows) coupe models



14 Prior to installation, ensure that the motor and ECM connecting terminals are free from dirt and corrosion.

15 Fit the sealing ring to the groove in the motor. Align the ECM with the motor terminals and squarely locate it in the motor recess.

16 Install the ECM retaining screws and tighten them securely.

17 Reconnect the battery then initialize the windows (see **Note** at the beginning of this Section) and check the window operation.

18 If all is well, stick the vapor barrier to the door and install the trim panel (see [Section 12](#) in [Chapter 11](#)).

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