



Haynes
shows you how

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

28 Central locking 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).

Removal

Control module

Note:

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

1 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.*

2 Remove the glovebox (see [Section 27](#) in [Chapter 11](#)). Release the retaining clips and remove the dash panel from underneath the glovebox aperture to gain access to the ECM.

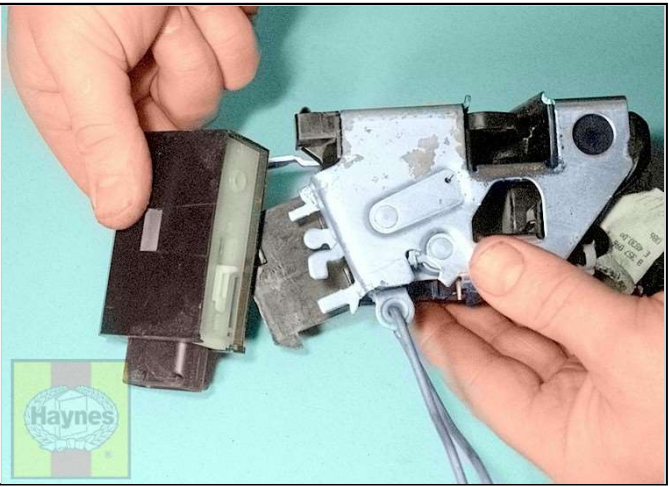
3 Disconnect the wiring connector from the control module then unclip it and remove it from the vehicle. On models with anti-lock brakes (ABS) it will be necessary to remove the ABS ECU (see [Chapter 9](#)) to gain access to the central locking control module.

Door lock solenoid

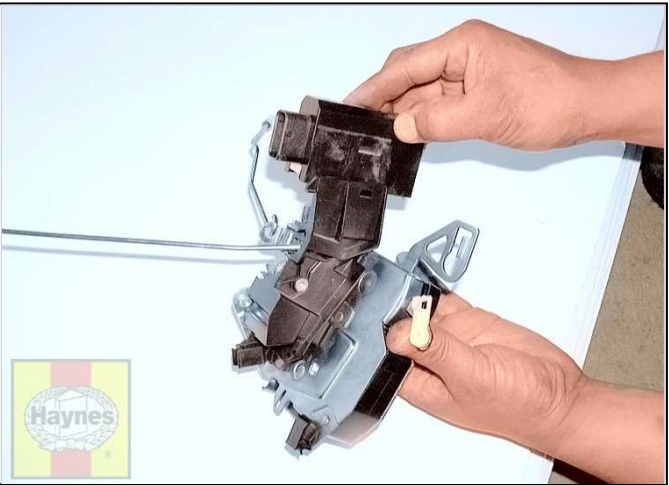
4 Remove the door lock (see [Section 13](#) in [Chapter 11](#)).

5 Release the retaining clip and detach the solenoid from the door lock, noting how it is connected (see [illustrations](#)) .

28.5a Removing a locking actuator from the door lock (3-Series models)



28.5b Removing a locking actuator from the door lock (Z3 models)

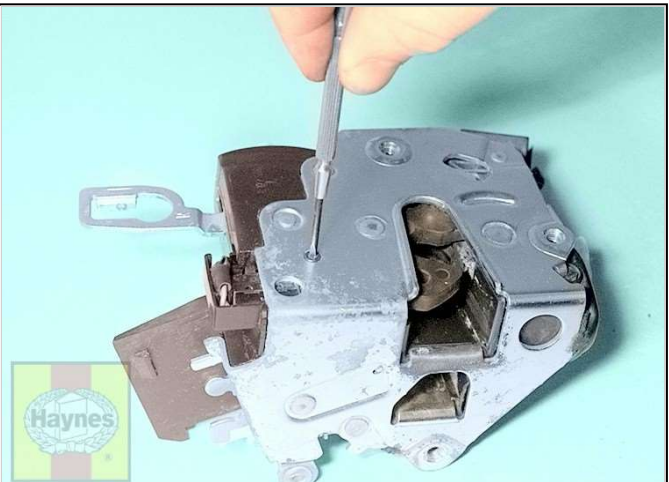


Door lock microswitch - coupe models

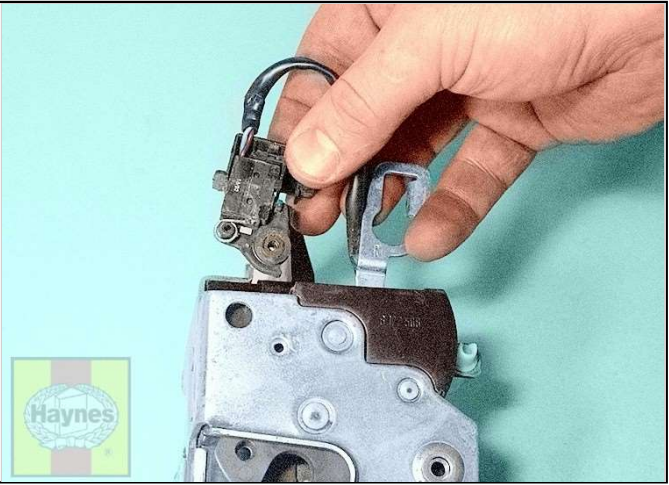
6 Remove the door lock (see [Section 13](#) in [Chapter 11](#)).

7 Free the wiring from its retaining clips then loosen and remove the retaining screw and remove the switch from the lock (see illustrations) .

28.7a On coupe models, remove the retaining screw . . .



28.7b . . . and withdraw the central locking microswitch from the front door lock

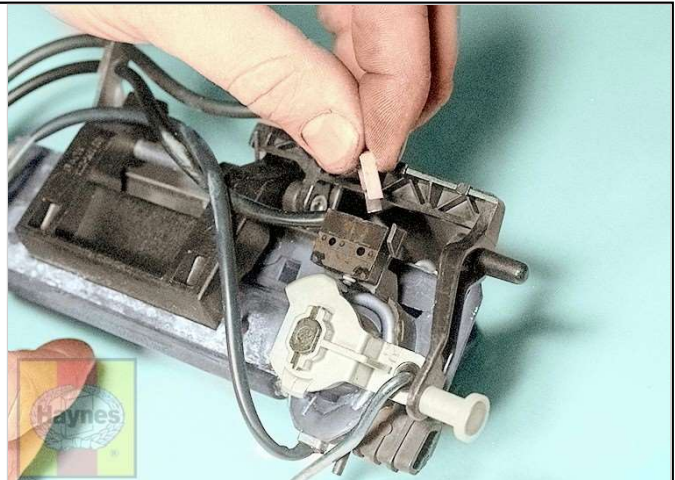


Door handle microswitch - sedan models

8 Remove the door exterior handle (see [Section 13](#) in [Chapter 11](#)).

9 Remove the retaining clip and detach the switch from the handle (see illustration) .

28.9 On sedan models release the retaining clip and remove the central locking microswitch from the handle



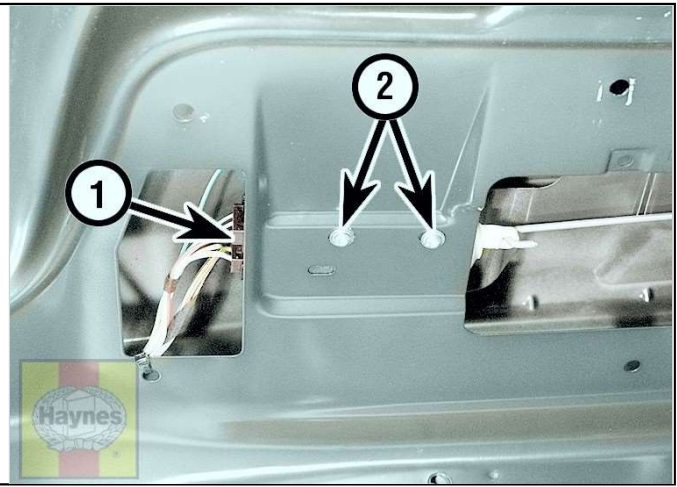
Trunk lock solenoid

10 Open up the trunk lid and then, on vehicles with a trunk-mounted battery, 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.*

11 On 3-Series models, remove the trim caps then unscrew the retaining screws securing the tool kit to the trunk lid. Remove the tool kit and unclip the trim panel from the trunk lid. On Z3 models, remove the access panels from the trunk (see illustration 27.11 in [Chapter 11](#)) .

12 Disconnect the wiring connector, unclip the solenoid link rod from the lock cylinder, unscrew the retaining bolts and remove the solenoid and link rod (see illustrations) .

28.12a Trunk locking solenoid wiring connector (1) and retaining screws (2) (3-Series models)



28.12b To remove the trunk lid locking actuator from a Z3 model, disconnect the wiring connectors (arrows) . . .



28.12c . . . unclip the solenoid link rod (arrow) from the lock cylinder and remove the retaining bolts (arrows)



Fuel filler flap solenoid

13 Rotate the retaining clip through 90-degrees and remove the access cover from the right-hand rear light unit.

14 Lift out the first aid box plate and peel back the luggage compartment trim to reveal the solenoid (see illustration) .

28.14 Lift out the first aid box plate and peel back the luggage compartment trim to gain access to the fuel filler flap solenoid



15 Disconnect the wiring connector then loosen the retaining screws and maneuver the solenoid out from the luggage compartment (see illustrations) .

28.15a Disconnect the wiring connector then loosen the retaining screws (arrows) .

..



28.15b . . . and remove the solenoid from its mounting bracket



Glovebox lock solenoid

16 Remove the glovebox (see [Section 27](#) in [Chapter 11](#)).

17 Unclip the solenoid rod from the lock and guide then unscrew the retaining bolts and remove the solenoid.

Central locking system impact sensor

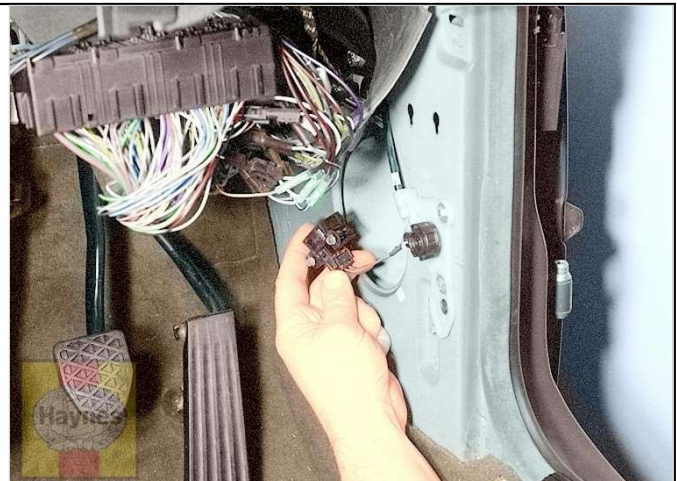
18 Remove the passenger side front speaker (see [Section 19](#)). Release the insulation panel from the body and remove it from the vehicle.

19 Loosen the two retaining screws securing the sensor to the body then maneuver it out through the speaker aperture and disconnect it from the wiring connector (see illustrations) .

28.19a Loosen the two screws (arrows) . . .



28.19b . . . and maneuver the central locking system impact sensor out from behind the pillar



Installation

20 Installation is the reverse of removal. Prior to installing any trim panels removed for access thoroughly check the operation of the central locking system.

Adjusting the trunk lid locking actuator (Z3 models)

21 The trunk lid locking actuator on Z3 models is adjustable. To adjust it, proceed as follows:

A. Put the central locking system in its unlocked mode.

- B. Loosen the actuator retaining screws (see illustration).
- C. With the luggage compartment lid open, operate the driver's side door lock with the
- D. key and verify that the actuator plunger moves through its full range of motion.
- E. Position the actuator to maximize the plunger's range of motion, and then tighten the actuator retaining screws.

28.21 To adjust the trunk lid locking actuator on a Z3 model, loosen the retaining screws (arrows), slide the actuator to the left or right until the plunger achieves its optimal range of travel, then retighten the retaining screws



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