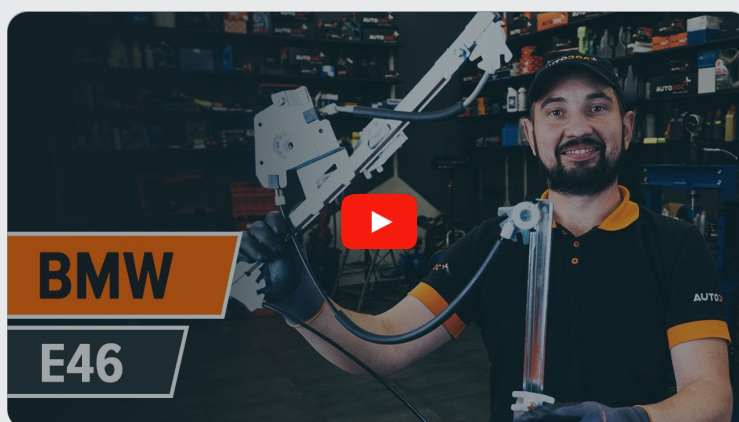


## VIDEO TUTORIAL



### **i Important!**

This replacement procedure can be used for:

BMW 3 Saloon (E46) 318i 1.9, BMW 3 Saloon (E46) 328i 2.8, BMW 3 Saloon (E46) 320d 2.0, BMW 3 Saloon (E46) 323i 2.5, BMW 3 Saloon (E46) 320i 2.0, BMW 3 Coupe (E46) 323Ci 2.5, BMW 3 Coupe (E46) 328Ci 2.8, BMW 3 Saloon (E46) 316i 1.9, BMW 3 Touring (E46) 320i 2.0, BMW 3 Coupe (E46) 318Ci 1.9, BMW 3 Touring (E46) 318i 1.9, BMW 3 Touring (E46) 328i 2.8, BMW 3 Saloon (E46) 330d 2.9, BMW 3 Touring (E46) 330d 2.9, BMW 3 Convertible (E46) 323Ci 2.5, (+ 43)

The steps may slightly vary depending on the car design.

## REPLACEMENT: WINDOW REGULATOR – BMW E46 TOURING. TOOLS YOU'LL NEED:



- Electronic spray
- Torque wrench
- Drive socket # 8
- Drive socket # 10
- Torx bit T25
- Torx bit T30
- Ratchet wrench
- Plastic trim tool
- Round-nose pliers

**BUY TOOLS**

Replacement: window regulator – BMW E46 Touring. AUTODOC experts recommend:

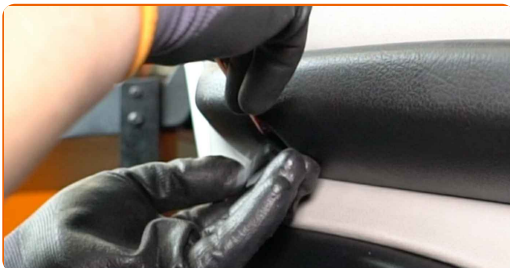
- All work should be done with the engine stopped.

## REPLACEMENT: WINDOW REGULATOR – BMW E46 TOURING. USE THE FOLLOWING PROCEDURE:

- 1 Open the car door.



- 2 Remove the caps from the door armrest fasteners. Use a plastic trim tool.



AUTODOC recommends:

- Replacement: window regulator – BMW E46 Touring. Do not use excessive force when removing the part as this may damage it.

3

Disconnect the wing mirror control module. Use a plastic trim tool.

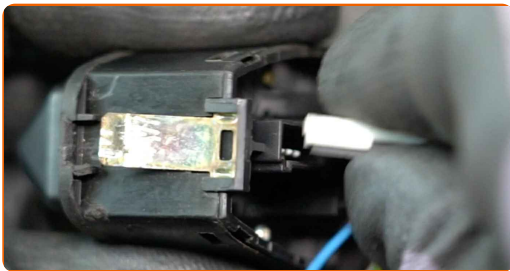


### AUTODOC recommends:

- Replacement: window regulator – BMW E46 Touring. To avoid damaging the part when removing it, do not use excessive force.

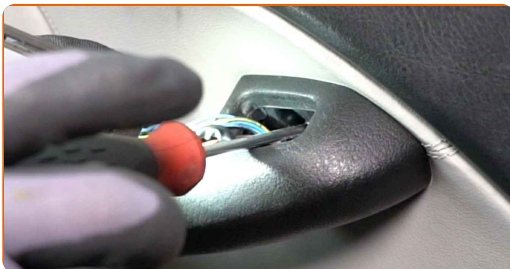
4

Disconnect the wing mirror control connectors.



5

Unscrew the door handle fastener. Use Torx T25.



6

Remove the door card trim panel. Use a plastic trim tool.

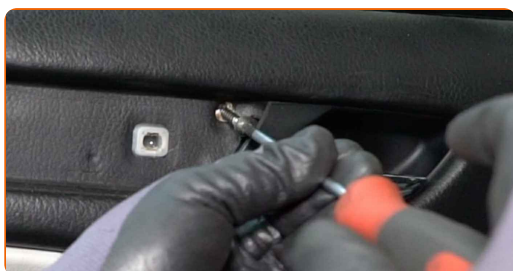


Replacement: window regulator – BMW E46 Touring. Tip from AUTODOC experts:

- Do not apply excessive force when removing the part. Otherwise you may damage it.

7

Unscrew the door card fasteners. Use Torx T25.



8

Detach the door card. Use a plastic trim tool.

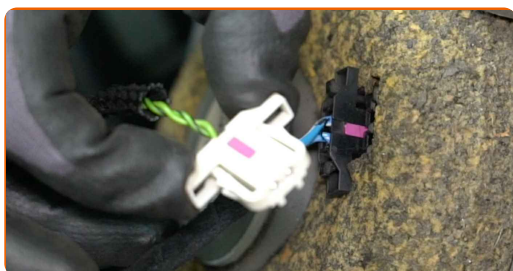


9

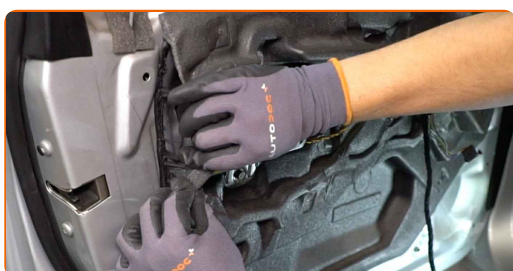
Detach the door lock actuator cable.



- 10** Disconnect the audio system speaker connectors. Disconnect the wing mirror control connectors from the door card.



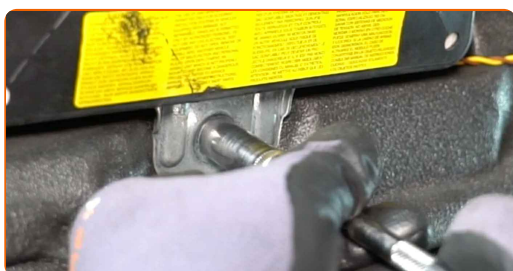
- 11** Detach the door panel sound insulation.



### AUTODOC recommends:

- Do not apply excessive force when removing the part. Otherwise you may damage it.

- 12** Unscrew the SRS control module fasteners. Use a drive socket #10. Use a ratchet wrench.



- 13** Remove the SRS module.

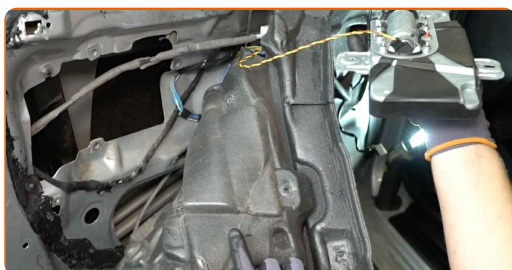


### AUTODOC recommends:

- Do not apply excessive force when removing the part. Otherwise you may damage it.

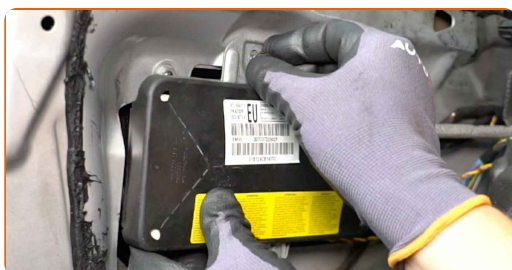
14

Detach the door panel sound insulation.



15

Install the SRS module.



### AUTODOC recommends:

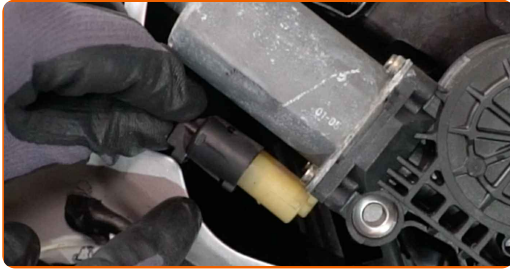
- Replacement: window regulator – BMW E46 Touring. To avoid damaging the part during installation, do not use excessive force.

16

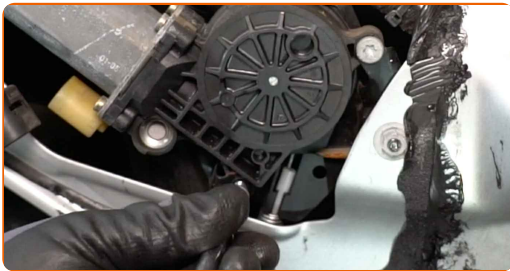
Screw in the SRS module fasteners. Use a drive socket #10. Use a ratchet wrench.



- 17 Disconnect the power window module connector.



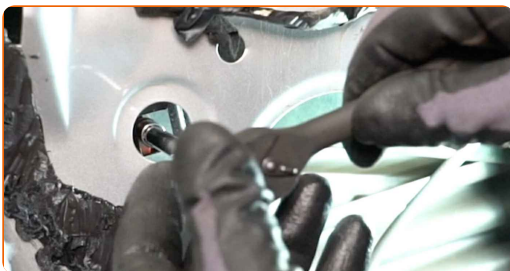
- 18 Unscrew the fasteners of the power window module. Use Torx T30. Use a ratchet wrench.



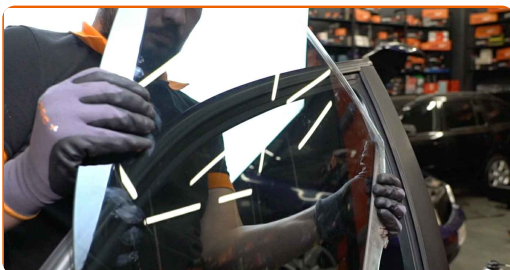
- 19 Remove the power window switch module.



- 20 Unscrew the window glass fasteners. Use a drive socket #8. Use a ratchet wrench.



- 21 Raise the glass a little and remove it.



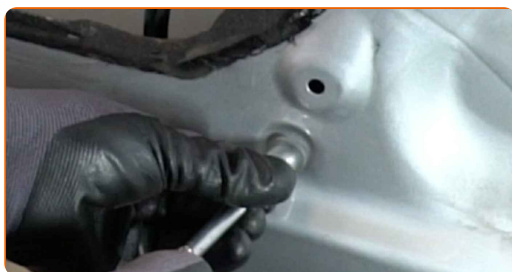


## Replacement: window regulator – BMW E46 Touring. Professionals recommend:

- To avoid injury, hold the glass when raising it.
- Do not apply excessive force when removing the part. Otherwise you may damage it.

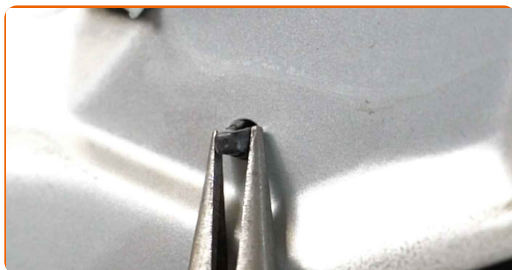
22

Unscrew the fasteners of the window regulator assembly. Use a drive socket #10. Use a ratchet wrench.



23

Squeeze the retainer of the window regulator actuator to release and disconnect it. Use round-nose pliers.



24

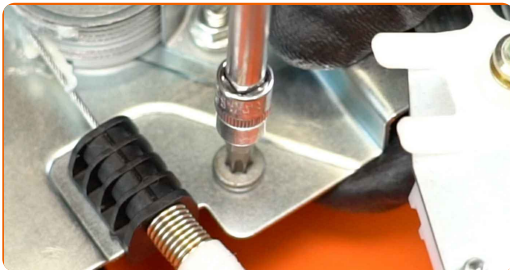
Remove the window regulator actuator.



- 25 Install the power window switch module.



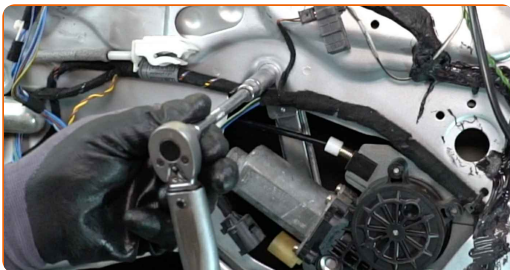
- 26 Tighten the fasteners of the power window module. Use Torx T30. Use a torque wrench. Tighten it to 11 Nm torque.



- 27 Attach the window regulator drive gear.



- 28 Tighten the fasteners of the window regulator assembly. Use a drive socket #10. Use a torque wrench. Tighten it to 11 Nm torque.



- 29 Attach the retainer of the window regulator actuator.