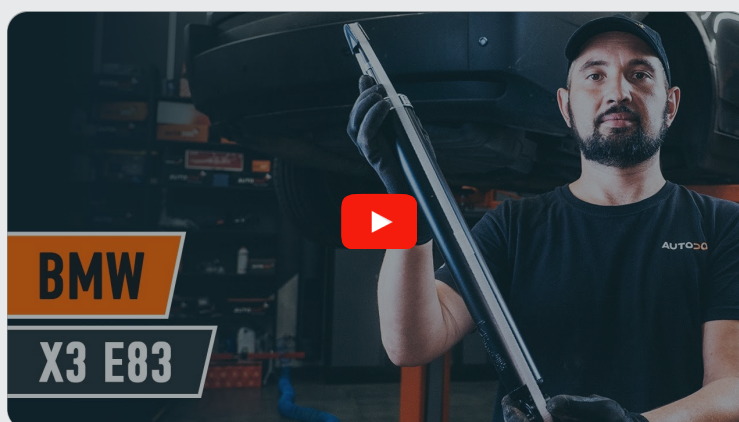


## VIDEO TUTORIAL



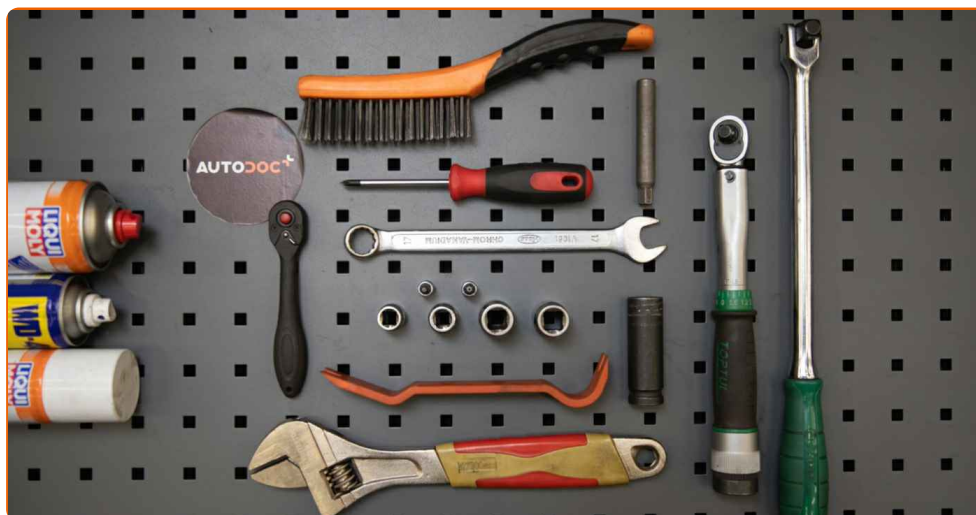
### Important!

This replacement procedure can be used for:

BMW X3 (E83) xDrive 20 d, BMW X3 (E83) xDrive 30 d, BMW X3 (E83) 3.0 i xDrive, BMW X3 (E83) 3.0 d, BMW X3 (E83) 2.0 d, BMW X3 (E83) 2.0 i, BMW X3 (E83) 3.0 si, BMW X3 (E83) 2.5 si, BMW X3 (E83) 3.0 sd, BMW X3 (E83) xDrive 20 i, BMW X3 (E83) xDrive 25 i, BMW X3 (E83) xDrive 30 i, BMW X3 (E83) xDrive 18 d, BMW X3 (E83) xDrive 35 d, BMW X3 (E83) 2.5 si xDrive

The steps may slightly vary depending on the car design.

## REPLACEMENT: SHOCK ABSORBERS – BMW X3 E83. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #17
- Drive socket # 10
- Drive socket # 13
- Drive socket # 16
- Drive socket # 18
- Torx bit T20
- Torx bit T25
- Shock absorber socket #DD6
- Wheel impact socket #17
- Ratchet wrench
- Adjustable wrench
- Plastic trim tool
- Phillips screwdriver
- Tap wrench
- Vice
- Hydraulic transmission jack
- Wheel chock

**BUY TOOLS**

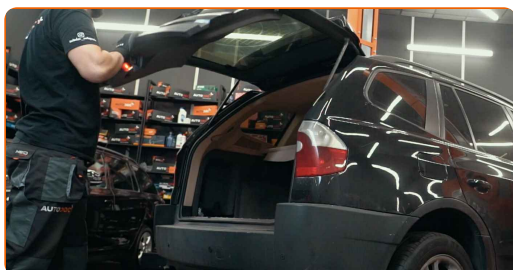
### Replacement: shock absorbers – BMW X3 E83. Tip from AUTODOC:

- Both shock absorbers of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock absorbers of the rear suspension.
- All work should be done with the engine stopped.

## REPLACEMENT: SHOCK ABSORBERS – BMW X3 E83. USE THE FOLLOWING PROCEDURE:

1

Open the boot lid.



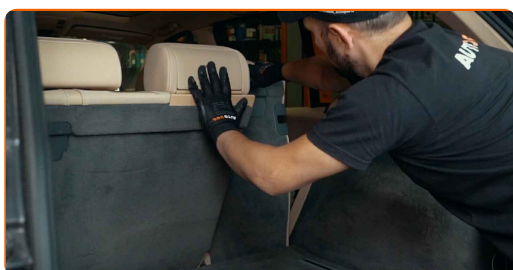
2

Move the folding shelf and detach it from the retainers. By doing this, you will get access to the side trim plastic panels.



3

Fold down the backrests of the rear seats.



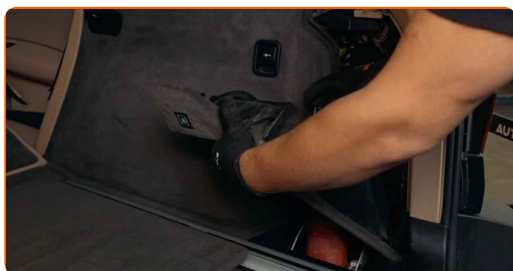
4

Raise the lower lining of the boot.



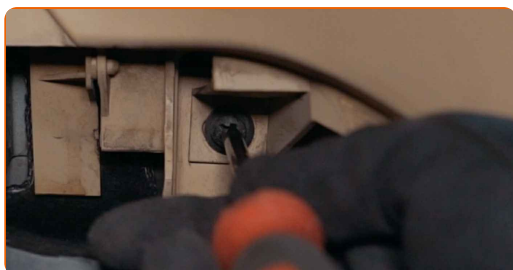
5

Detach the boot side lining.



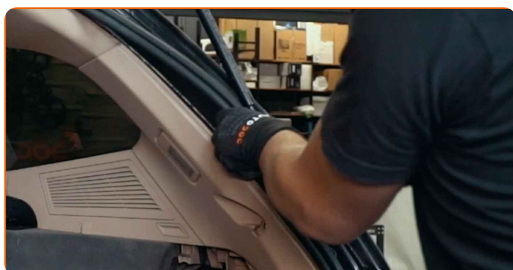
6

Unscrew the fasteners of the plastic car body protective cover. Use a Phillips screwdriver.



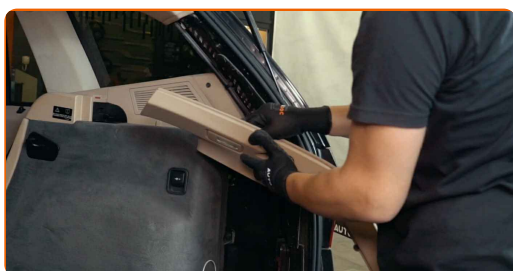
7

Remove the rubber strip.

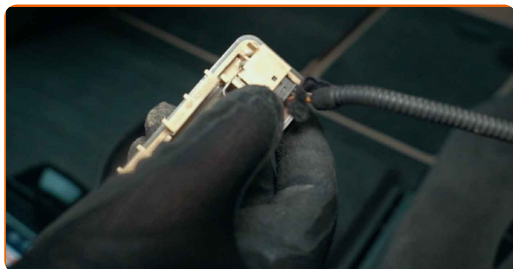


8

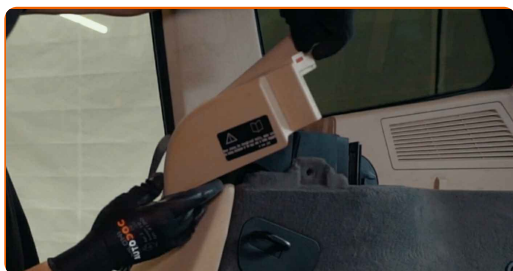
Remove the plastic car body protective cover.



**9** Remove the interior boot light.



**10** Remove the seat belt trim cover.



**11** Detach the boot rear side lining.

**12** Unscrew the fasteners of the side plastic trim panel. Use a drive socket #10. Use a ratchet wrench.



**13** Remove the clips from the parcel shelf. Use Torx T25. Use a ratchet wrench.



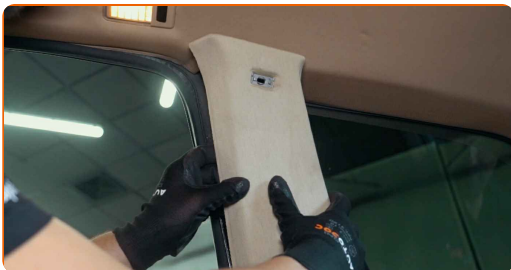
**14** Detach the parcel shelf.

- 15 Remove the airbag cover. Use a plastic trim tool.

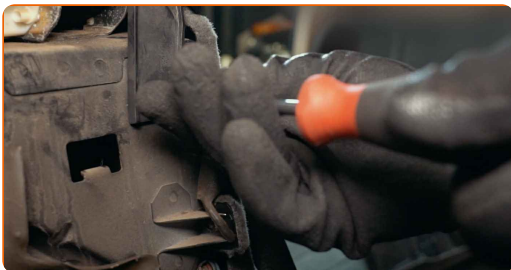


- 16 Unscrew the fastener of the body pillar trim panel. Use Torx T20. Use a ratchet wrench.

- 17 Remove the body pillar trim panel.



- 18 Unscrew the fasteners of the seat belt panel. Use a Phillips screwdriver.



- 19 Remove the seat belt panel.





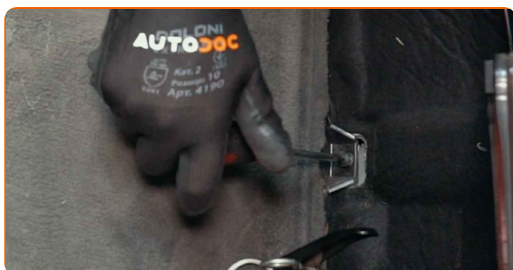
20 Remove the side plastic cover.



21 Remove the clips of the boot side lining. Use a plastic trim tool.



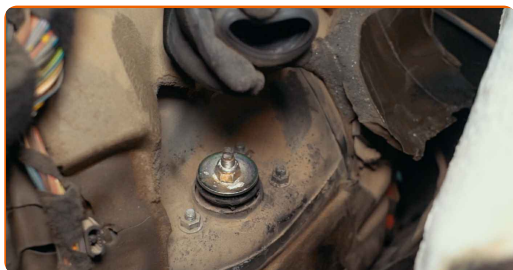
22 Unscrew the fastener of the boot side lining. Use a Phillips screwdriver.



23 Detach the boot side lining.

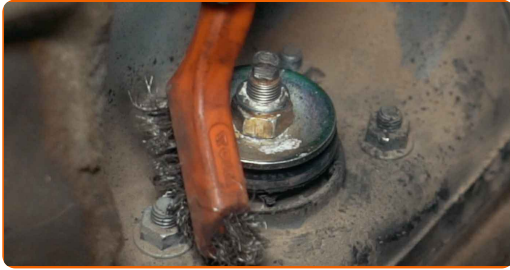


24 Remove the protective cap of the shock absorber mount.



25

Clean the shock absorber fasteners. Use a wire brush. Use WD-40 spray.



26

Loosen the upper fastener of the shock absorber. Use a drive socket #13. Use a ratchet wrench.



27

Secure the wheels with chocks.

28

Loosen the wheel mounting bolts. Use wheel impact socket #17.



29

Raise the rear of the car and secure on supports.





30

Unscrew the wheel bolts.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. BMW X3 E83

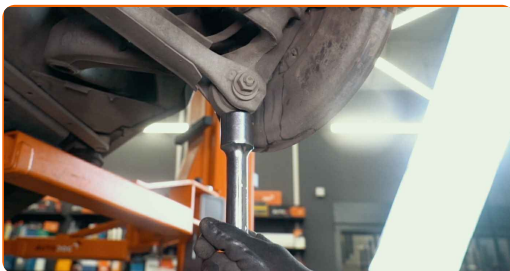
31

Remove the wheel.



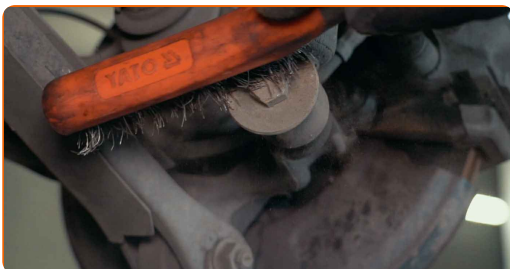
32

Support the arm. Use a hydraulic transmission jack.



33

Clean the shock absorber fasteners. Use a wire brush. Use WD-40 spray.



34

Unscrew the upper fastener of the shock absorber. Use a drive socket #13. Use a ratchet wrench.



35

Unscrew the lower fastener of the shock absorber. Use a drive socket #18. Use a tap wrench.



36

Remove the fastening bolt.

### AUTODOC recommends:

- BMW X3 E83 – To avoid injury, hold the shock absorber while unscrewing the fastening bolts.

37

Remove the shock absorber.

