

## SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

### **Important!**

This replacement procedure can be used for:

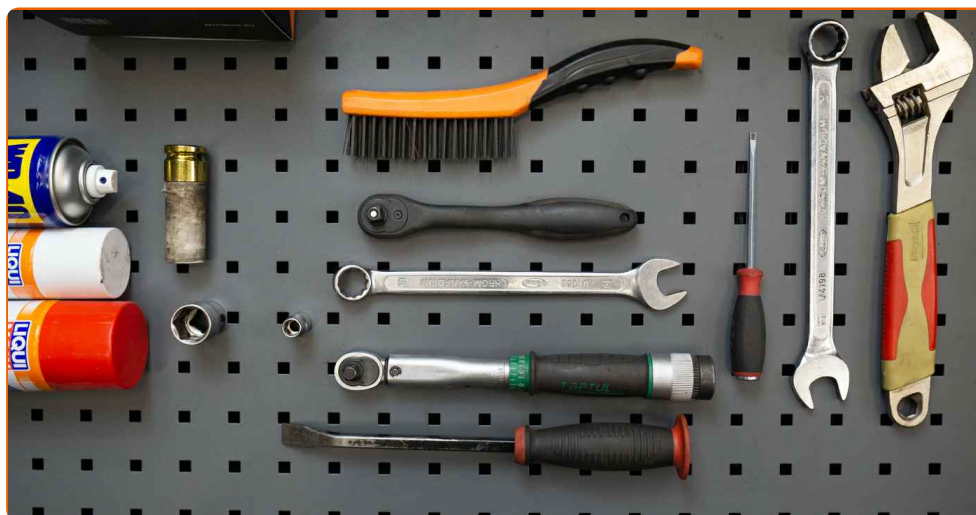
BMW X5 (E70) xDrive 30 d, BMW X5 (E70) xDrive 40 d, BMW X5 (E70) 3.0 d, BMW X5 (E70) 3.0 sd, BMW X5 (E70) xDrive 35 d

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: BMW X5 (E53) 4.4 i

## REPLACEMENT: SHOCK ABSORBERS – BMW X5 (E70).

### LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #19
- Combination spanner #21
- Drive socket # 10
- Drive socket # 21
- Wheel impact socket #17
- Ratchet wrench
- Flat Screwdriver
- Adjustable wrench
- Crow bar
- Hydraulic transmission jack
- Wheel chock

**Buy tools**

### Replacement: shock absorbers – BMW X5 (E70). AUTODOC recommends:

- 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 X5 (E70). USE THE FOLLOWING PROCEDURE:

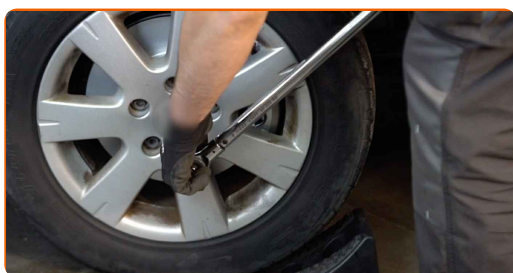
1

Secure the wheels with chocks.



2

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



3

Raise the rear of the car and secure on supports.

4

Unscrew the wheel bolts.

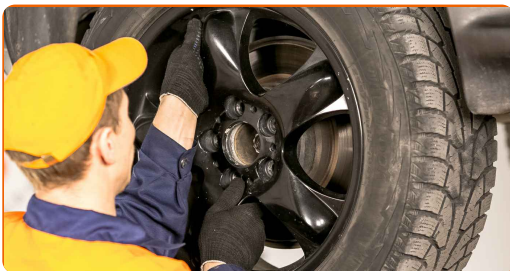


Replacement: shock absorbers – BMW X5 (E70). Tip:

- To avoid injury, hold up the wheel when unscrewing the bolts.

5

Remove the wheel.

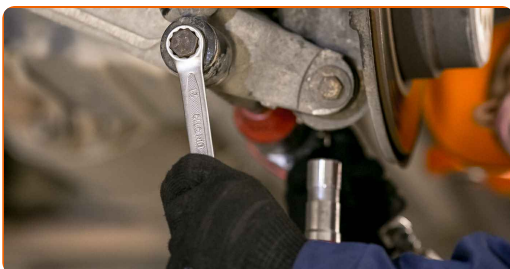


6

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

7

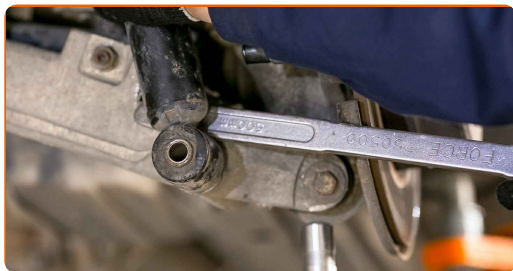
Unscrew the lower fastener of the shock absorber. Use a combination spanner #21. Use a drive socket #21. Use a ratchet wrench.



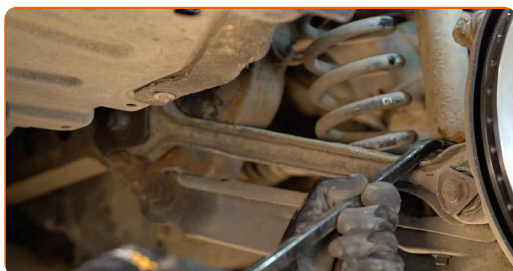
8

Remove the fastening bolt.

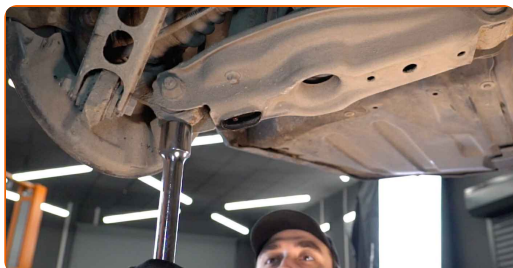
9 Support the stub axle. Use a hydraulic transmission jack.



10 Detach the lower part of the shock absorber. Use a crowbar.



11 Remove the support from under the stub axle.



### AUTODOC recommends:

- BMW X5 (E70) – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

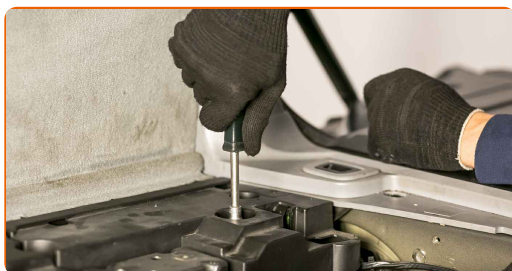
12 Lower the car.

13 Open the boot lid.

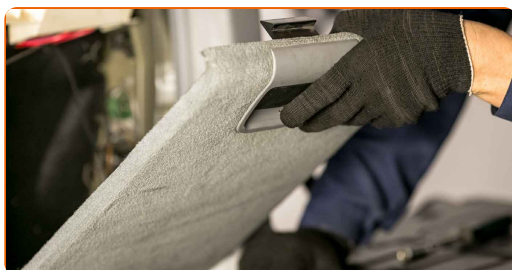
- 14** Remove the boot front lower lining.



- 15** Unscrew fixing bolts of the protective cover. Use a drive socket #10. Use a ratchet wrench.

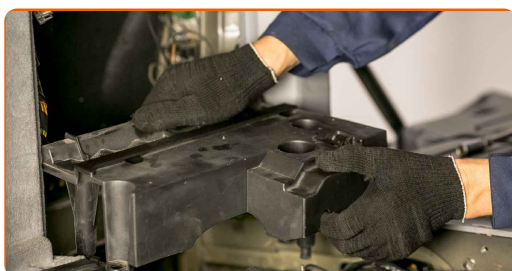


- 16** Remove the cover of the boot side lining.



- 17** Fold down the backrests of the rear seats.

- 18** Remove the protective cover.

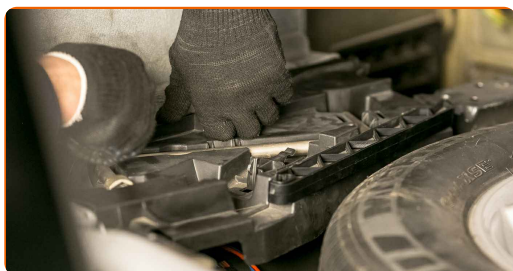




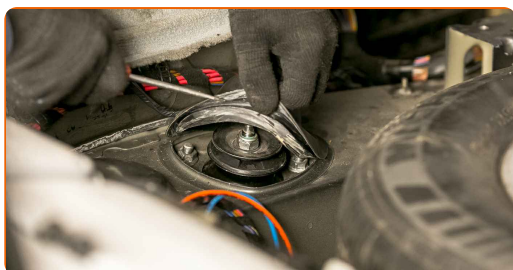
- 19 Remove the clips. Use a flat screwdriver.



- 20 Remove the protective cover.

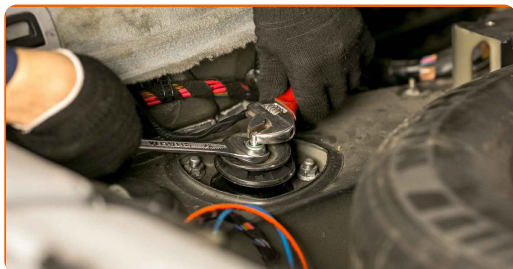


- 21 Remove the protective cap of the shock absorber mount. Use a flat screwdriver.



- 22 Clean the shock absorber rod fastener. Use a wire brush. Use WD-40 spray.

- 23 Remove the shock absorber piston rod fastening. Use a combination spanner #19. Use an adjustable wrench.

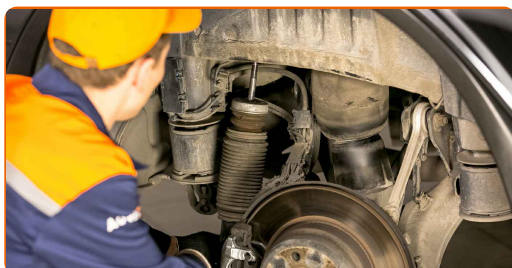


### AUTODOC recommends:

- To avoid injuries, hold the shock absorber when undoing the fastening bolts.

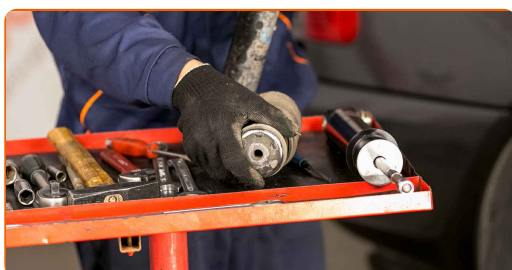
24

Remove the shock absorber.



25

Remove the shock absorber dust cap and the bump stop. Use a flat screwdriver.



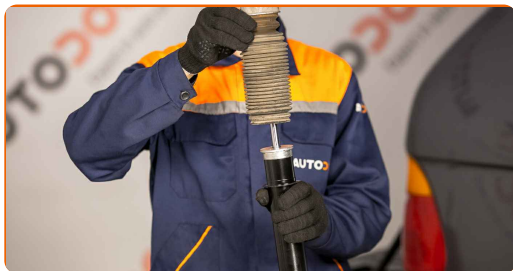
### Replacement: shock absorbers – BMW X5 (E70). Tip from AUTODOC experts:

- Examine the shock absorber dust cap and the bump stop. Replace them if necessary.
- Before installing a new shock absorber you should pump it manually 3-5 times.



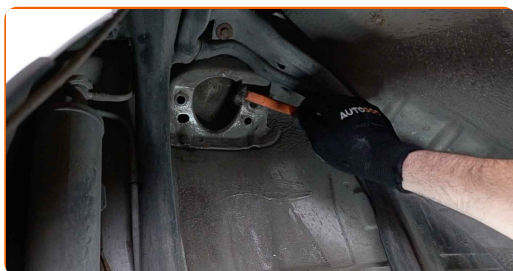
26

Install the dust sleeve and the bump stop on the new shock absorber.



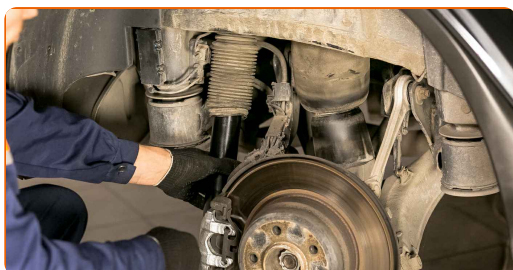
27

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



28

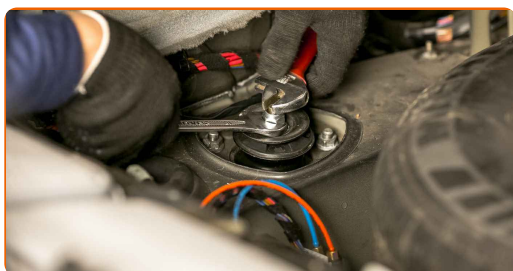
Place the shock absorber in the wheel arch and secure it.



Replacement: shock absorbers – BMW X5 (E70). AUTODOC experts recommend:

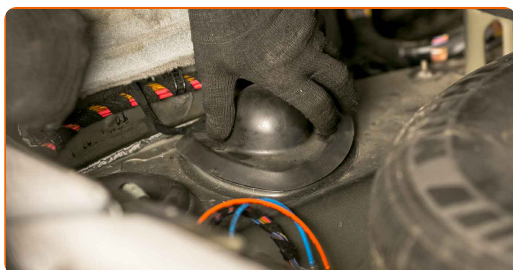
- To avoid injury, hold the shock absorber cautiously tight when screwing in the fastening bolts.

- 29** Tighten the shock absorber rod nut. Use a combination spanner #19. Use an adjustable wrench. Use a torque wrench. Tighten it to 25 Nm torque.

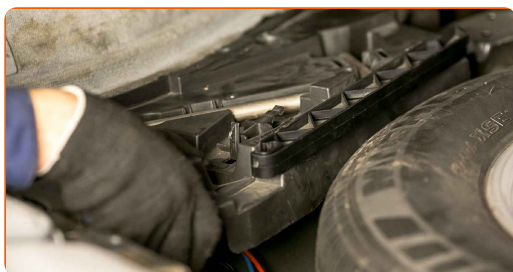


- 30** Treat the shock absorber fasteners. Use copper grease.

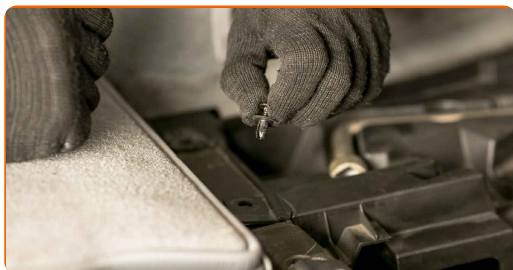
- 31** Install the protective shock absorber mounting cap.



- 32** Install the protective cover.



- 33** Reinstall the pop clips of the protective cover.



- 34** Return the seat to its original position.