



How to change rear strut
mount on **BMW X5 E53** –
replacement guide

VIDEO TUTORIAL



i Important!

This replacement procedure can be used for:

BMW X5 (E53) 3.0 d, BMW X5 (E53) 4.6 is, BMW X5 (E53) 3.0 i, BMW X5 (E53) 4.4 i, BMW X5 (E53) 4.8 is

The steps may slightly vary depending on the car design.

REPLACEMENT: STRUT MOUNT – BMW X5 E53. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #16
- 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](#)

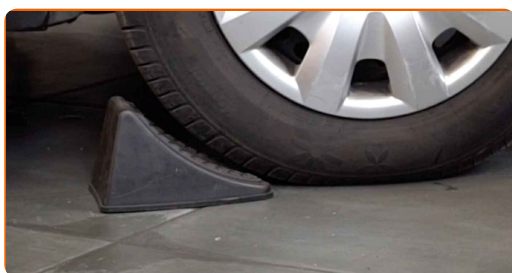
Replacement: strut mount – BMW X5 E53. AUTODOC experts recommend:

- The replacement procedure is identical for the mounts of the right and left shock absorbers of the rear suspension.
- Both mounts of the rear shock struts should be replaced simultaneously.
- Be sure to replace all self-locking nuts and bolts during installation.
- Please note: all work on the car – BMW X5 E53 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

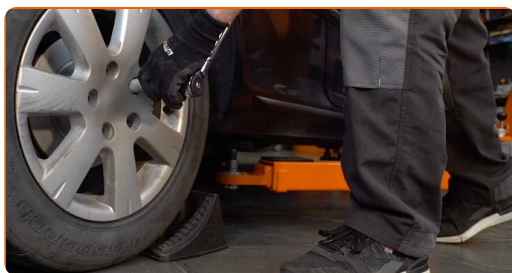
1

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.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. BMW X5 E53

5

Remove the wheel.

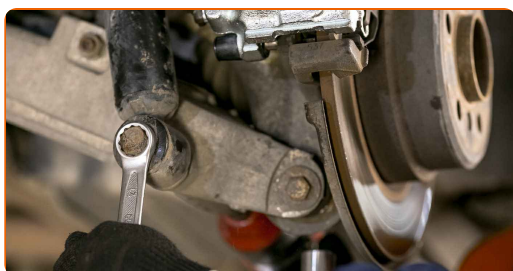


6

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

7

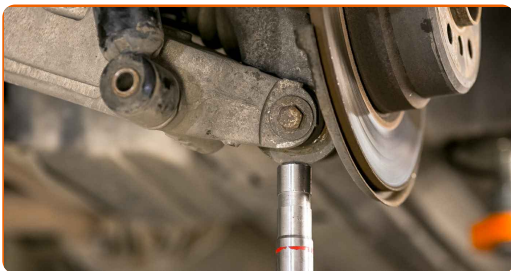
Unscrew the lower fastener of the shock absorber. Use a combination spanner #21. Use a drive socket #21. Use a ratchet wrench.



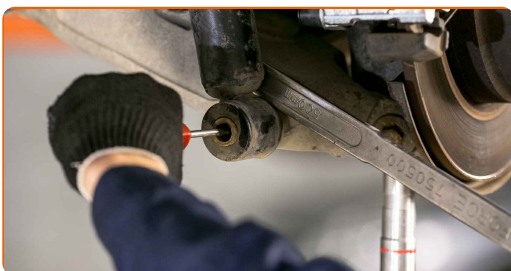
8

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.

Replacement: strut mount – BMW X5 E53. Tip:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

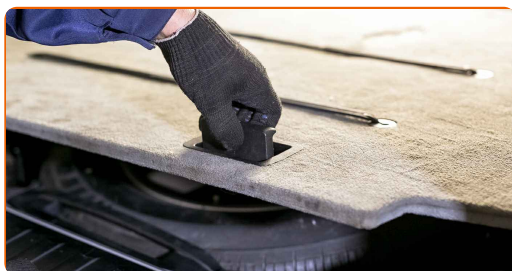
- 12 Lower the car.



- 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.



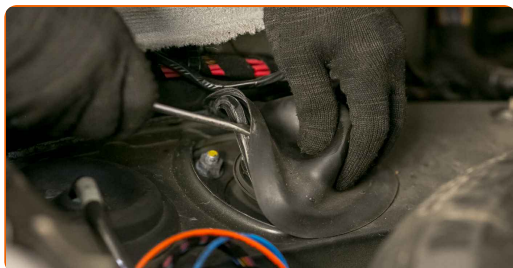
- 19 Remove the clips. Use a flat screwdriver.



- 20 Remove the protective cover.

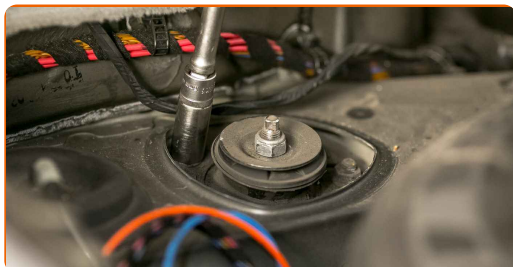


- 21 Remove the protective cap of the shock absorber mount. Use a flat screwdriver.



- 22 Clean the fasteners of the shock absorber upper mount. Use a wire brush. Use WD-40 spray.

- 23 Unscrew the upper fastener of the shock absorber. Use a drive socket #16. Use an adjustable wrench.



AUTODOC recommends:

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

24

Remove the shock absorber.



25

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

26

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



27

Remove the shock absorber upper mount.



AUTODOC recommends:

- Examine the shock absorber dust cap and the bump stop. Replace them if necessary.

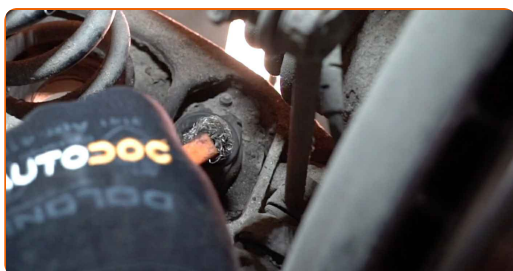
28 Install the shock absorber upper mount.



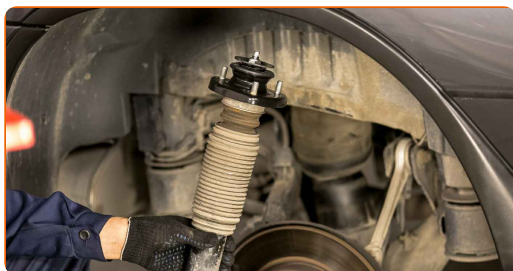
29 Tighten the shock absorber rod nut. Use a combination spanner #19. Use an adjustable wrench. Use a torque wrench. Tighten it to 25 Nm torque.



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



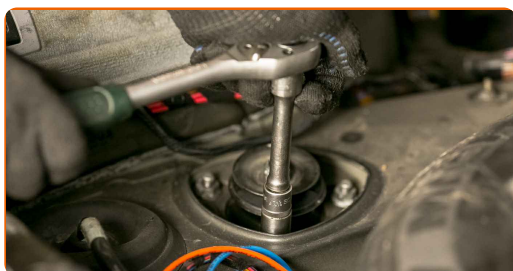
31 Place the shock absorber in the wheel arch and secure it.



AUTODOC recommends:

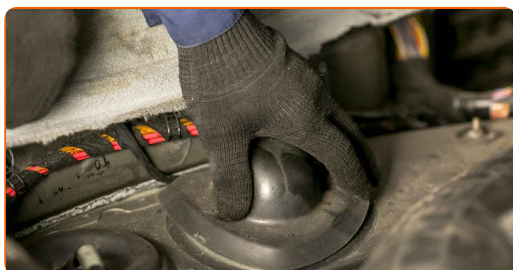
- Important! Hold the shock absorber while screwing in the fastening bolts. BMW X5 E53

- 32** Tighten the top shock absorber fastening. Use a combination spanner #16. Use a torque wrench. Tighten it to 50 Nm torque.

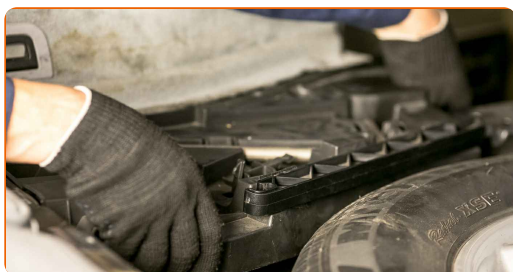


- 33** Treat the shock absorber fasteners. Use copper grease.

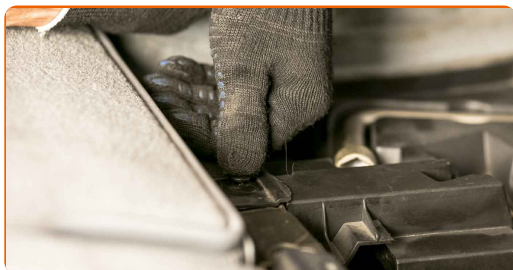
- 34** Install the protective shock absorber mounting cap.



- 35** Install the protective cover.



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

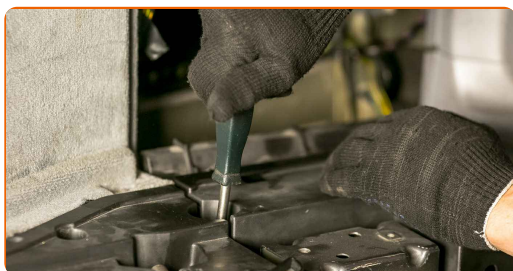


- 37** Return the seat to its original position.

38 Install the protective cover.



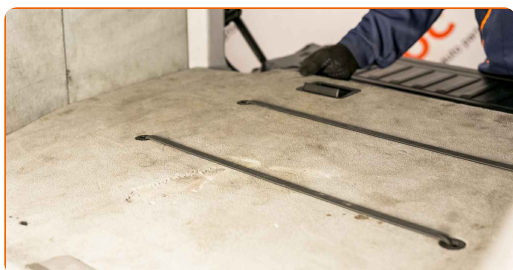
39 Tighten fixing bolts of the protective cover. Use a drive socket #10. Use a ratchet wrench.



40 Install the cover of the boot side lining.



41 Install the boot front lower lining.

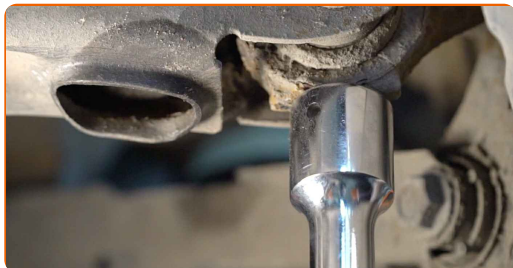


42 Close the lid of the luggage compartment.



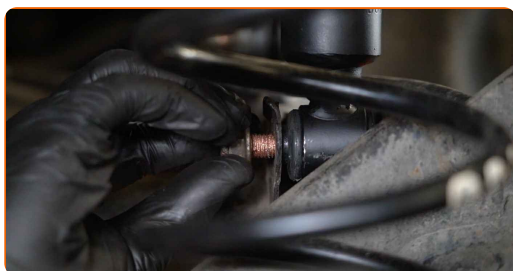
43 Raise the rear of the car and secure on supports.

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

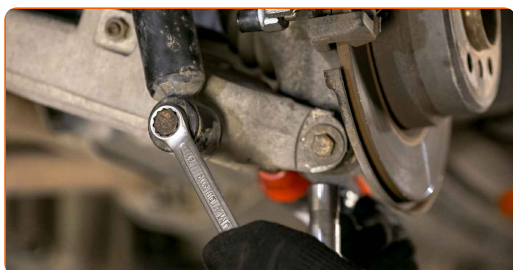


45 Attach the lower part of the shock absorber.

46 Install the fastening bolt.

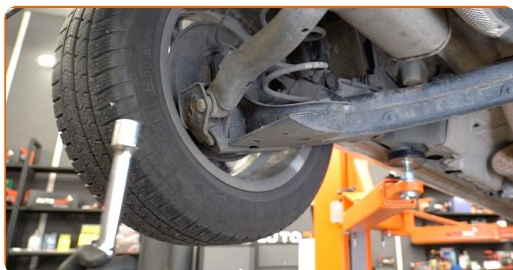


47 Tighten the lower fastener of the shock absorber. Use a combination spanner #21. Use a drive socket #21. Use a torque wrench. Tighten it to 127 Nm torque.



48 Treat the shock absorber fasteners. Use copper grease.

49 Remove the support from under the stub axle.

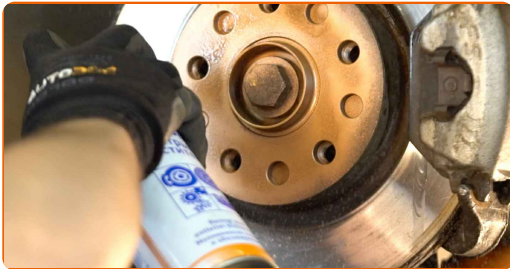


AUTODOC recommends:

- Replacement: strut mount – BMW X5 E53. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

50

Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



51

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- After applying the spray, wait a few minutes.

52

Install the wheel.



Replacement: strut mount – BMW X5 E53. AUTODOC experts recommend:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

53

Screw in the wheel bolts. Use wheel impact socket #17.



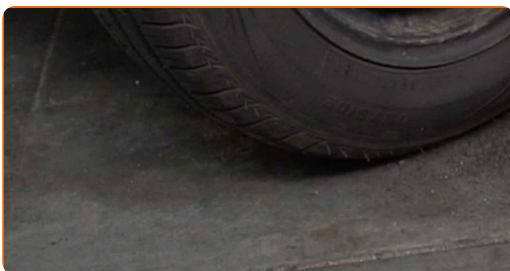
54

Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 140 Nm torque.



55

Remove the jacks and chocks.



WELL DONE! 

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