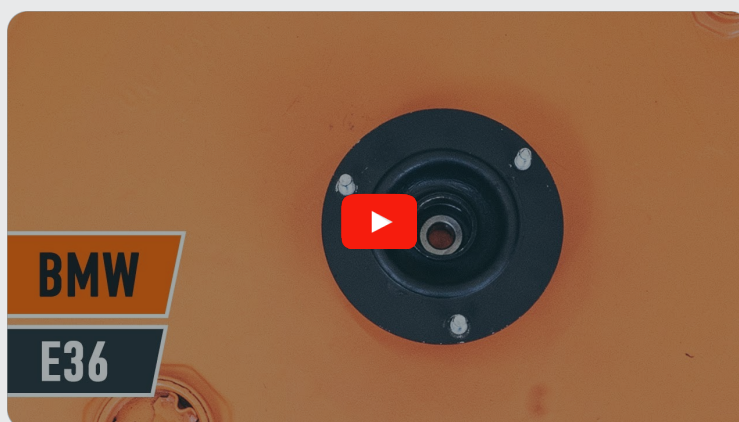


SIMILAR VIDEO TUTORIAL



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

Important!

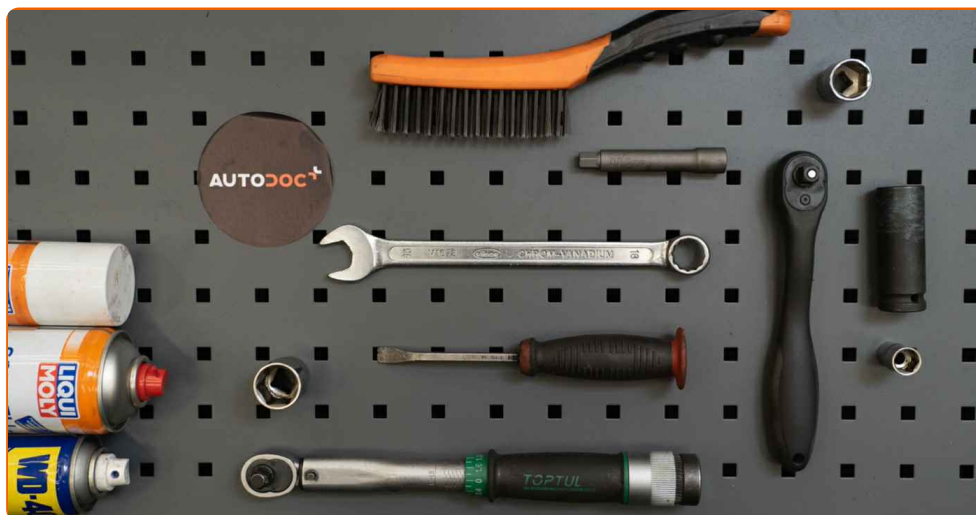
This replacement procedure can be used for:

BMW Z3 Coupe (E36) 2.8 i, BMW Z3 Coupe (E36) 3.0 i

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 3 Saloon (E36) 323i 2.5

REPLACEMENT: STRUT MOUNT – BMW Z3 COUPE (E36). TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #18
- Drive socket # 9
- Drive socket # 13
- Drive socket # 18
- Drive socket # 19
- Drive socket # 22
- Wheel impact socket #17
- Ratchet wrench
- Crow bar
- Hydraulic strut spring compressor
- Hydraulic transmission jack
- Fender cover
- Wheel chock

Buy tools

Replacement: strut mount – BMW Z3 Coupe (E36). Tip from AUTODOC:

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

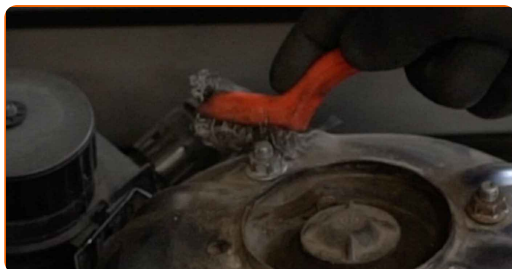
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the bonnet.

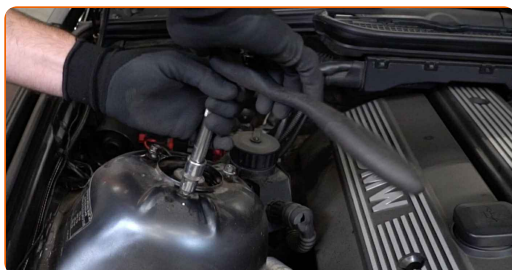
2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

3 Secure the wheels with chocks.

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



5 Loosen the upper fasteners of the suspension strut. Use a drive socket #13. Use a ratchet wrench.



6

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



7

Raise the front of the car and secure on supports.

8

Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
BMW Z3 Coupe (E36)

9

Remove the wheel.



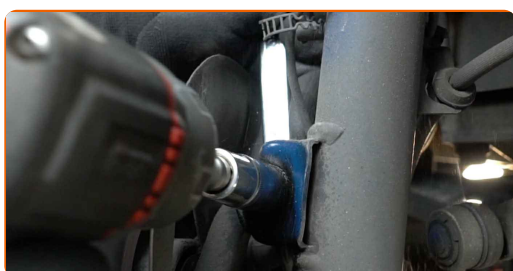
10

Clean the fasteners connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.



11

Unscrew the fasteners connecting the suspension strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



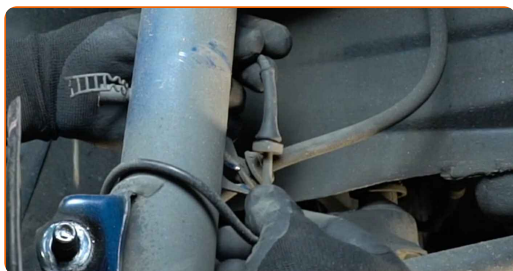
12

Detach the brake hose from the shock strut.



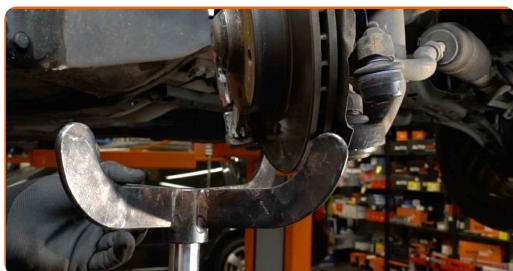
13

Disconnect the ABS sensor wiring.



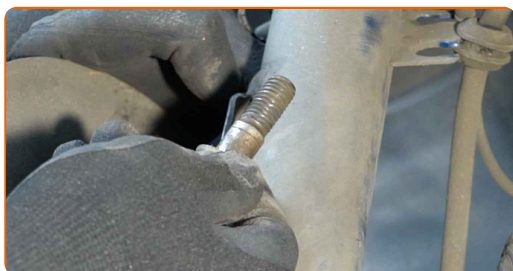
14

Prop up the steering knuckle. Use a hydraulic transmission jack.



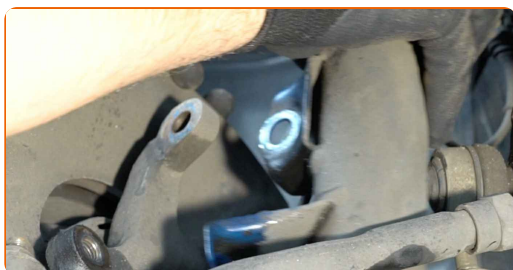
15

Remove the fastening bolts.



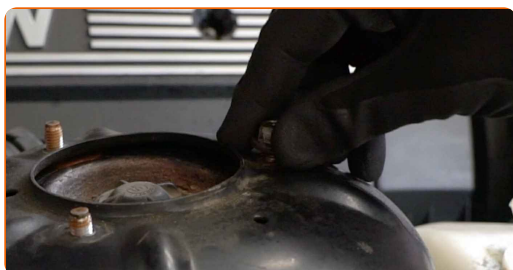
16

Disconnect the steering knuckle from the shock absorber strut.



17

Unscrew the upper fasteners of the shock strut.

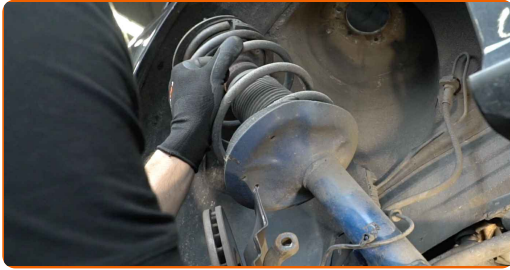


AUTODOC recommends:

- BMW Z3 Coupe (E36) – To avoid injury, hold the suspension strut while unscrewing the fastening bolts.

18

Remove the suspension strut.



19

Set the shock absorber strut on the spring compressor tool.

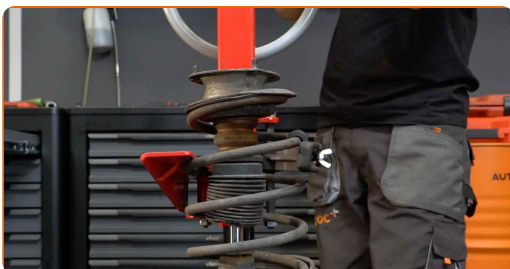


Replacement: strut mount – BMW Z3 Coupe (E36). Professionals recommend:

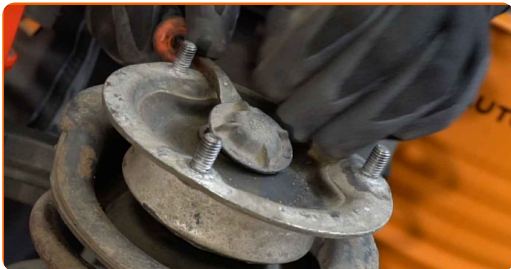
- Note that when using a spring compressor, spring coils need to be securely gripped, compressing the spring on the opposite sides.
- Ensure the correct position of the spring in the retainer.
- Make sure that the spring coils tightly entered the lock handles.

20

Compress the spring.



- 21 Remove the shock strut mount cap. Use a crowbar.



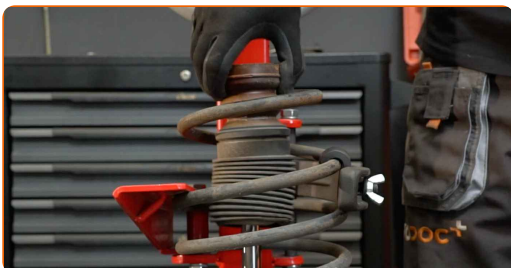
- 22 Treat the shock strut rod. Use a wire brush. Use WD-40 spray.



- 23 Remove the strut piston rod nut. Use a drive socket #9. Use a drive socket #22. Use a ratchet wrench.



- 24 Remove the shock absorber mount, boot and bump stop.



Replacement: strut mount – BMW Z3 Coupe (E36). AUTODOC experts recommend:

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

- 25 Install the boot and a bump stop onto the shock absorber.



- 26 Install a new top shock strut mount.



- 27 Tighten the shock strut piston rod nut. Use a drive socket #19. Use a drive socket #9. Use a torque wrench. Tighten it to 52 Nm torque.



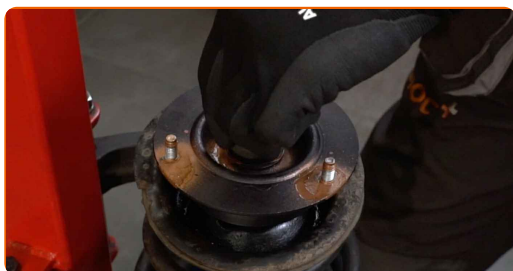
Replacement: strut mount – BMW Z3 Coupe (E36). Tip from AUTODOC experts:

- Check to make sure the spring is positioned correctly. Avoid its misalignment.

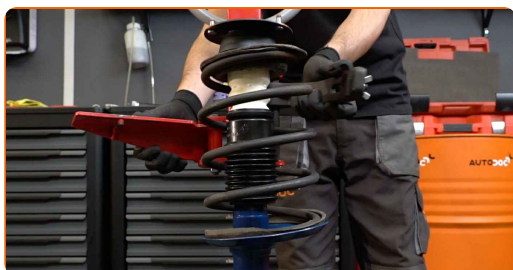
- 28 Treat the shock strut rod. Use copper grease.



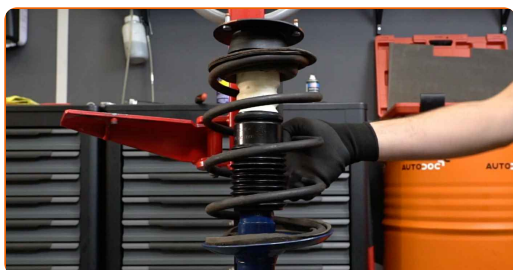
- 29 Install the shock strut mount cap.



- 30 Decompress the spring.



- 31 Remove the assembled shock strut.



- 32 Treat the shock strut mounting seat on the steering knuckle. Use a wire brush. Use WD-40 spray.

