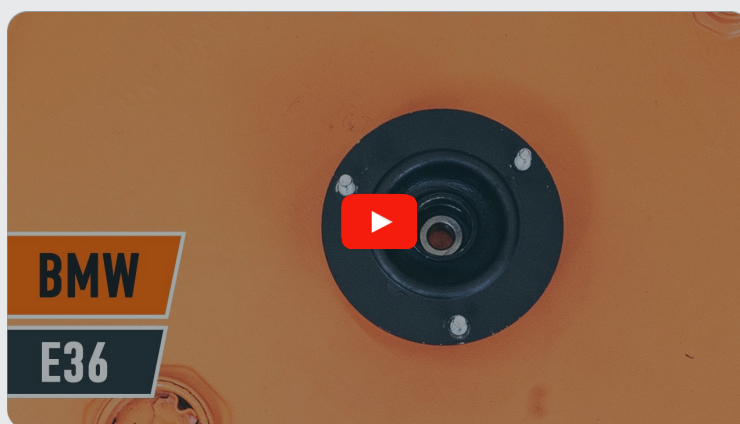


VIDEO TUTORIAL



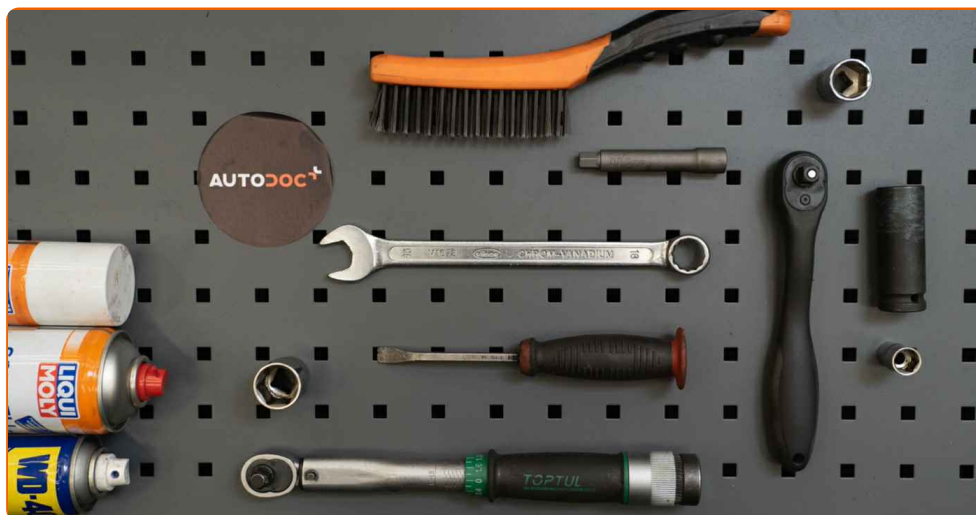
Important!

This replacement procedure can be used for:

BMW 3 Saloon (E36) 316i 1.6, BMW 3 Saloon (E36) 318i 1.8, BMW 3 Saloon (E36) 318is 1.8, BMW 3 Coupe (E36) 318is 1.8, BMW 3 Saloon (E36) 320i 2.0, BMW 3 Coupe (E36) 320i 2.0, BMW 3 Saloon (E36) 325i 2.5, BMW 3 Coupe (E36) 325i 2.5, BMW 3 Saloon (E36) 325td 2.5, BMW 3 Saloon (E36) 325tds 2.5, BMW 3 Convertible (E36) 320i 2.0, BMW 3 Convertible (E36) 325i 2.5, BMW 3 Coupe (E36) 316i 1.6, BMW 3 Convertible (E36) 318i 1.8, BMW 3 Compact (E36) 316i 1.6, (+ 35)

The steps may slightly vary depending on the car design.

REPLACEMENT: STRUT MOUNT – BMW 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

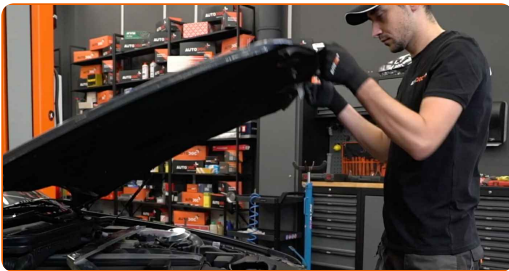
Replacement: strut mount – BMW E36. Tip from AUTODOC:

- 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.

REPLACEMENT: STRUT MOUNT – BMW E36. USE THE FOLLOWING PROCEDURE:

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.

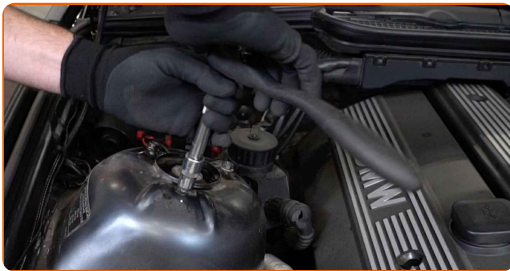
4

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 E36

9

Remove the wheel.

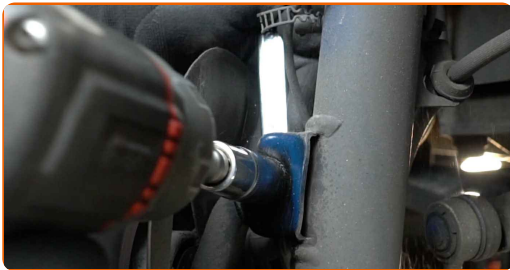


10

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



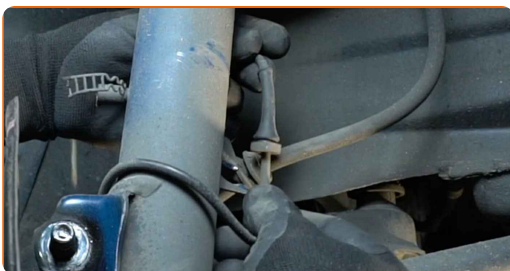
- 11** Unscrew the fasteners connecting the suspension strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



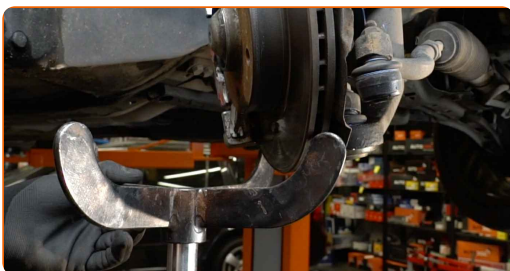
- 12** Detach the brake hose from the shock strut.



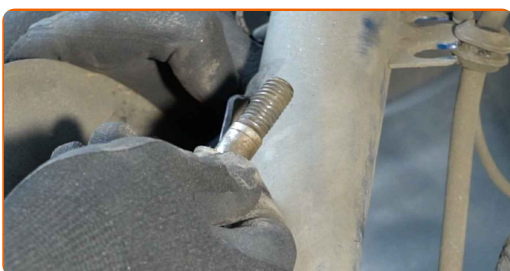
- 13** Disconnect the ABS sensor wiring.



- 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.

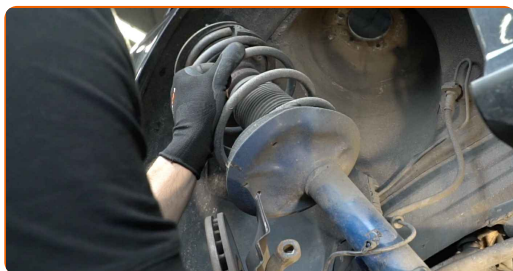


AUTODOC recommends:

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

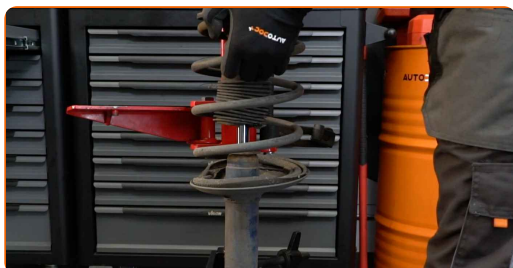
18

Remove the suspension strut.



19

Set the shock absorber strut on the spring compressor tool.

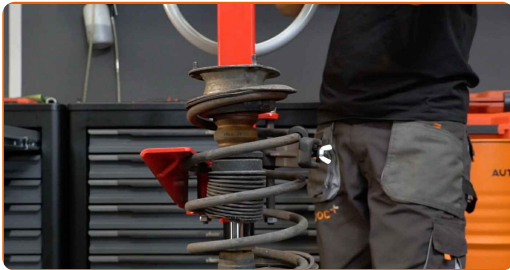


Replacement: strut mount – BMW E36. Professionals recommend:

- 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 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 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.

