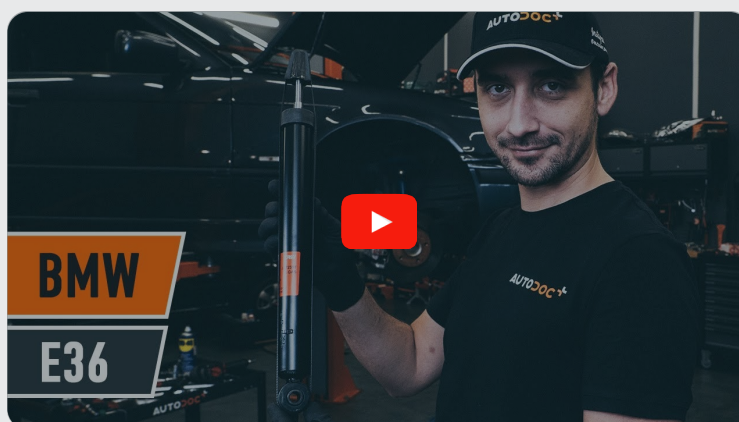


VIDEO TUTORIAL



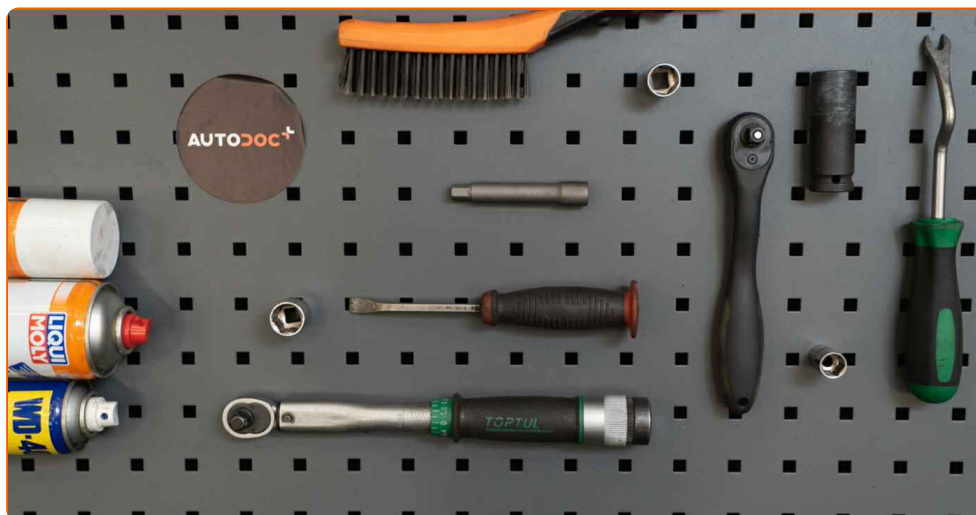
Important!

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 Saloon (E36) 318tds 1.7, (+ 66)

The steps may slightly vary depending on the car design.

REPLACEMENT: SHOCK ABSORBERS – BMW E36. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Drive socket # 13
- Drive socket # 16
- Drive socket # 17
- Clip removal tool
- Shock absorber socket #DD6
- Wheel impact socket #17
- Ratchet wrench
- Vice
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

Replacement: shock absorbers – BMW E36. 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.
- Please note: all work on the car – BMW E36 – should be done with the engine switched off.

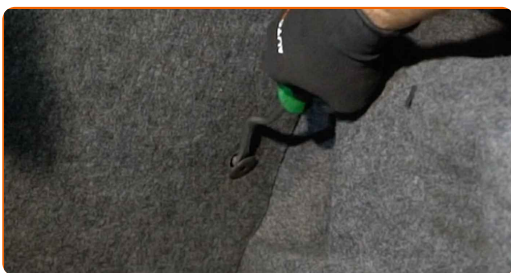
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1

Open the boot lid.

**2**

Remove the clips of the boot side lining. Use a clip removal tool.

**3**

Detach the boot side lining.



4

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



5

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



6

Secure the wheels with chocks.

7

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



8

Raise the rear of the car and secure on supports.



9

Unscrew the wheel bolts.



AUTODOC recommends:

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

10

Remove the wheel.



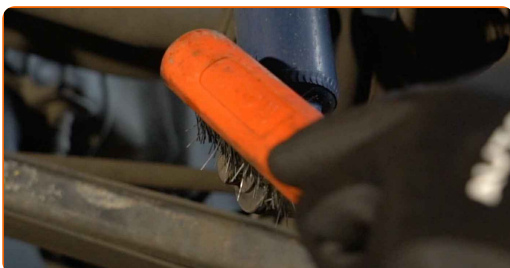
11

Support the arm. Use a hydraulic transmission jack.



12

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



13

Unscrew the lower fastener of the shock absorber. Use a drive socket #17. Use a ratchet wrench.

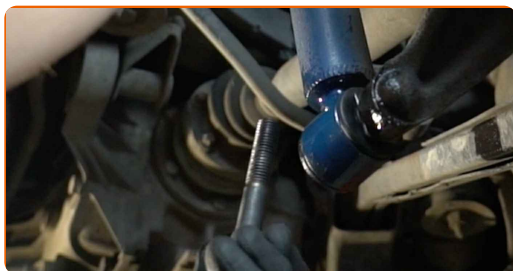


AUTODOC recommends:

- BMW E36 – To avoid injury, hold the shock absorber while unscrewing the fastening bolts.

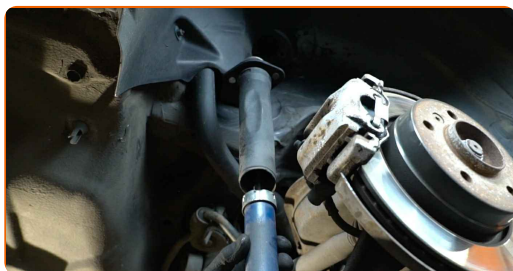
14

Remove the fastening bolt.



15

Remove the shock absorber.

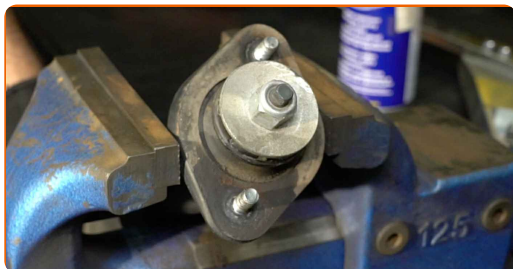


16

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



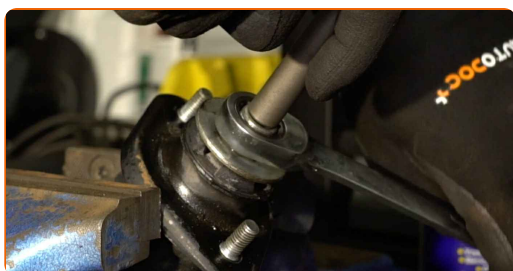
17 Grip the shock absorber in a vice.



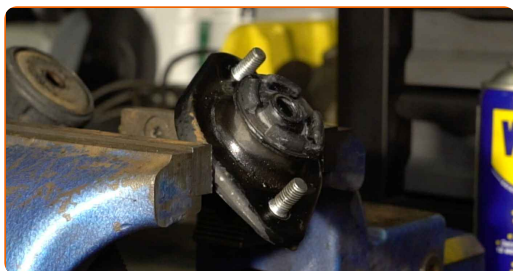
18 Clean the shock absorber rod fastener. Use a wire brush. Use WD-40 spray.



19 Remove the shock absorber piston rod fastening. Use a shock absorber socket DDN°6. Use a drive socket #16. Use a ratchet wrench.



20 Remove the shock absorber upper mount.



21 Remove the shock absorber dust boot and bump stop.



Replacement: shock absorbers – BMW E36. Tip from AUTODOC experts:

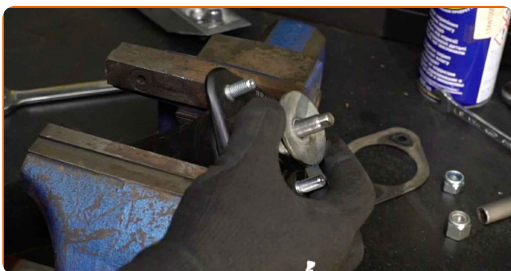
- Examine the shock absorber dust cap and the bump stop. Replace them if necessary.
- Before installing a new shock absorber you should pump it manually 3-5 times.

22

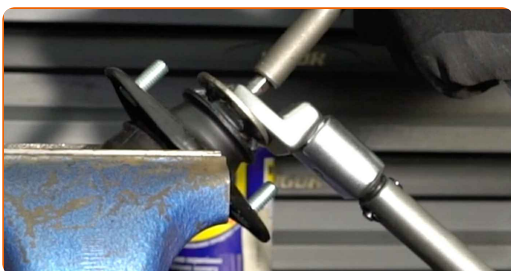
Install the dust boot and the bump stop on the new shock absorber.

**23**

Install the shock absorber upper mount.

**24**

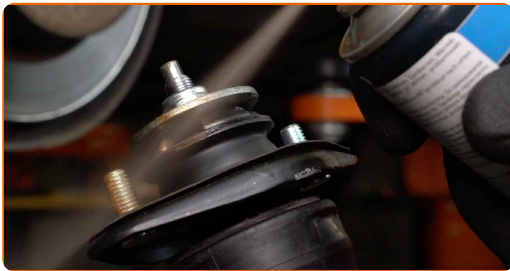
Tighten the shock absorber rod nut. Use a drive socket #16. Use a shock absorber socket DDN#6 Use a torque wrench. Tighten it to 37 nm torque.



- 25 Release the vice and take out the shock absorber.



- 26 Treat the shock absorber rod fastener. Use copper grease.



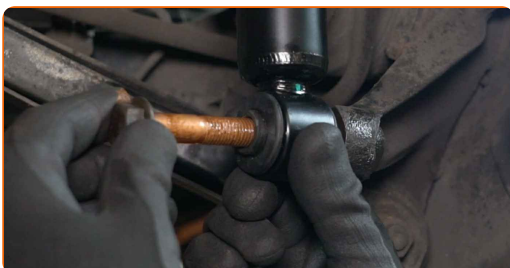
- 27 Place the shock absorber in the wheel arch and secure it.



AUTODOC recommends:

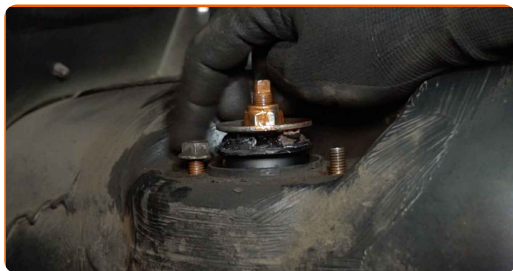
- BMW E36 – To avoid injury, hold the shock absorber while screwing in the fastening bolts.

- 28 Install the fastening bolt.



29

Screw the upper fastener of the shock absorber. Do not tighten it.



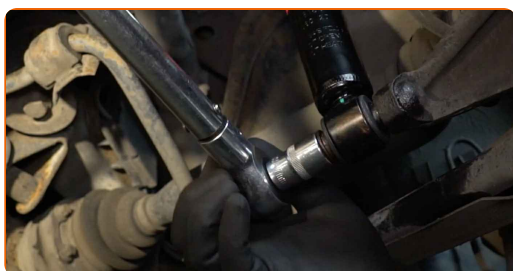
30

Raise the hydraulic transmission jack by 10-15 cm.



31

Tighten the lower fastener of the shock absorber. Use a drive socket #17. Use a torque wrench. Tighten it to 100 Nm torque.



32

Remove the support from under the arm.

AUTODOC recommends:

- Replacement: shock absorbers – BMW E36. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

33

Treat the shock absorber fasteners. Use copper grease.