

VIDEO TUTORIAL



ⓘ Important!

This replacement procedure can be used for:

BMW 3 Saloon (E30) 316 1.8 Ecotronic, BMW 3 Saloon (E30) 316i 1.6, BMW 3 Saloon (E30) 318i 1.8, BMW 3 Saloon (E30) 318is 1.8, BMW 3 Saloon (E30) 320i 2.0 (M20B20 (206KA)), BMW 3 Saloon (E30) 320i 2.0, BMW 3 Saloon (E30) M3 2.3, BMW 3 Saloon (E30) 323i 2.3, BMW 3 Saloon (E30) 325i 2.5, BMW 3 Saloon (E30) 325 e 2.7, BMW 3 Saloon (E30) 324d 2.4, BMW 3 Saloon (E30) 324td 2.4, BMW 3 Touring (E30) 318i 1.8, BMW 3 Touring (E30) 320i 2.0 (M20B20 (206KA)), BMW 3 Touring (E30) 325i 2.5, (+ 129)

The steps may slightly vary depending on the car design.

REPLACEMENT: STRUT MOUNT – BMW E46 CONVERTIBLE. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Combination spanner #17
- Drive socket # 13
- Drive socket # 18
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Adjustable wrench
- Tap wrench
- Crow bar
- Vice
- Hydraulic transmission jack
- Wheel chock

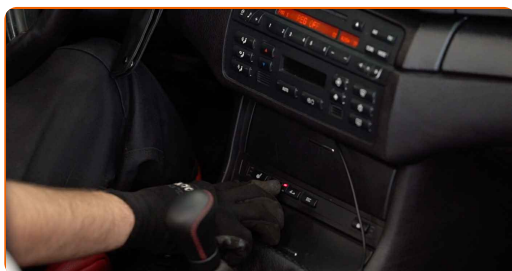
BUY TOOLS

Replacement: strut mount – BMW E46 convertible. AUTODOC experts recommend:

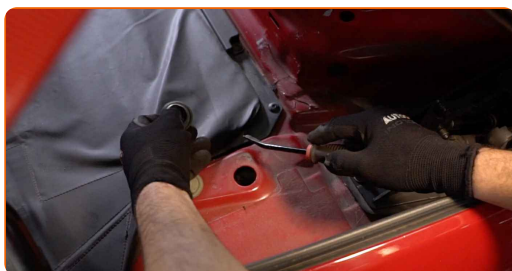
- The replacement procedure is identical for the mounts of the right and left shock absorbers of the rear suspension.
- Both mounts of the rear shock struts should be replaced simultaneously.
- All work should be done with the engine stopped.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

- 1 Press and hold the folding roof control switch. Hold the button pressed until you get access to the upper fasteners of the shock absorber.



- 2 Remove the shock strut mount caps. Use a crowbar.



- 3 Clean the fasteners of the shock absorber upper mount. Use WD-40 spray.



4

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



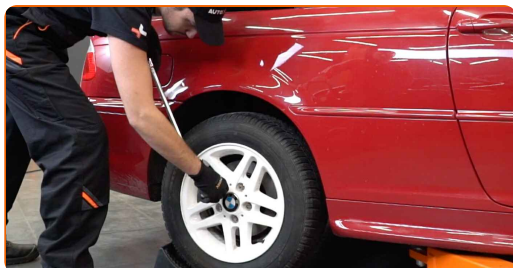
5

Secure the wheels with chocks.



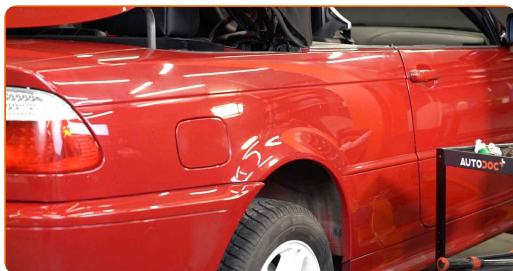
6

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



7

Raise the rear 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 E46 convertible

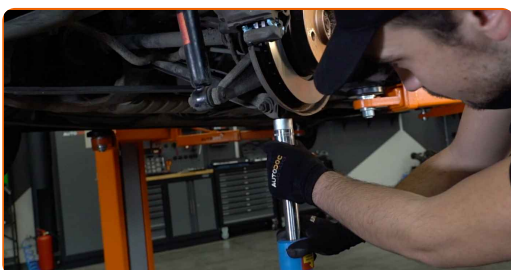
9

Remove the wheel.



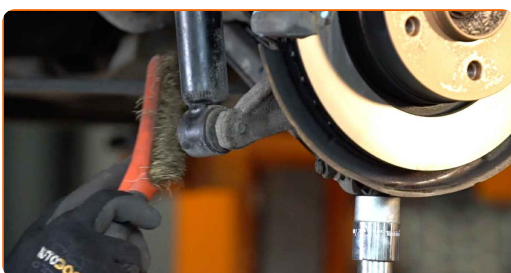
10

Support the arm. Use a hydraulic transmission jack.



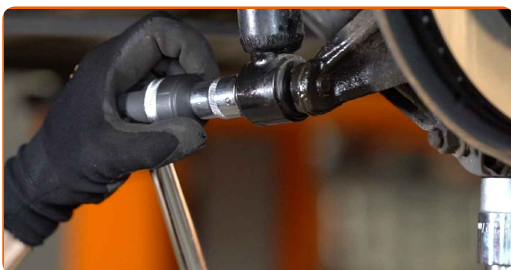
11

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



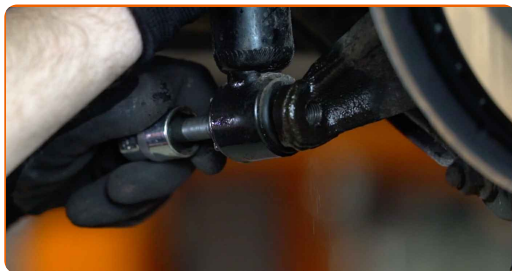
12

Unscrew the lower fastener of the shock absorber. Use a drive socket #18. Use a tap wrench.



13

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



Replacement: strut mount – BMW E46 convertible. AUTODOC recommends:

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

14

Remove the fastening bolt.



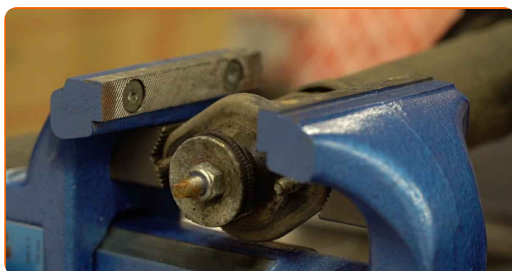
15

Remove the shock absorber.



16

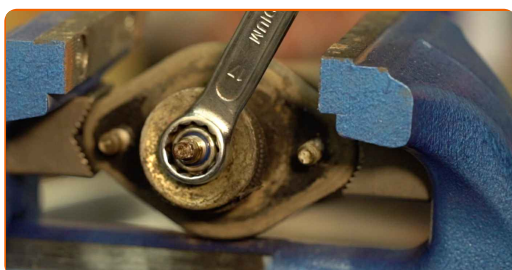
Grip the shock absorber in a vice.



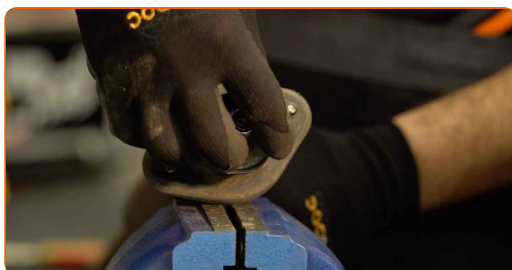
- 17 Clean the shock absorber rod fastener. Use a wire brush.



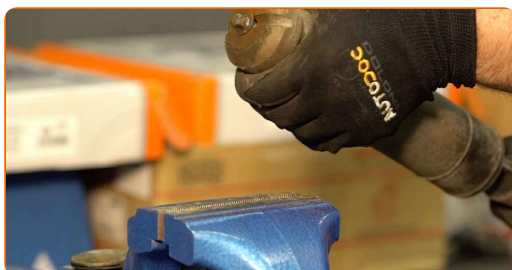
- 18 Remove the shock absorber piston rod fastening. Use a combination spanner #17.



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



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

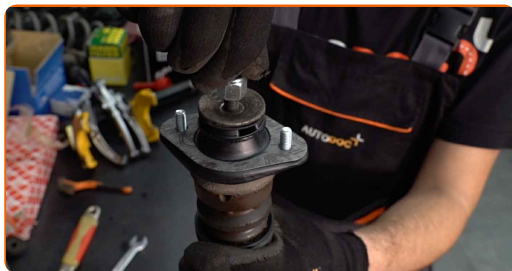


Replacement: strut mount – BMW E46 convertible. Tip from AUTODOC:

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

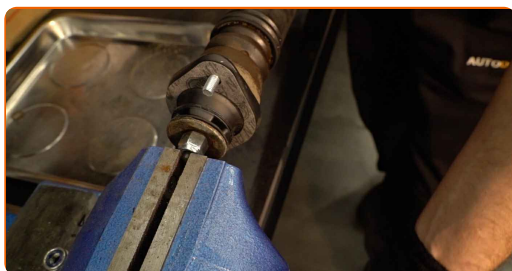
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Install the new mount, boot, and bump stop on the shock absorber.



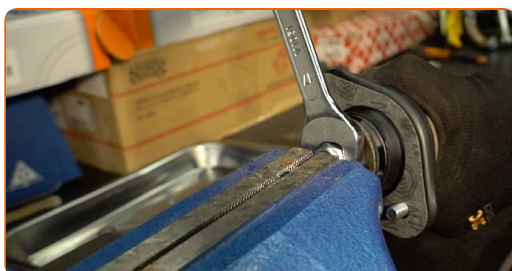
22

Grip the shock absorber in a vice.



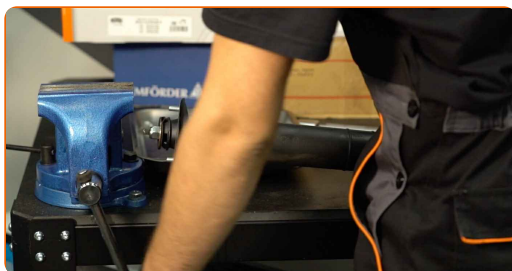
23

Screw the shock strut piston rod upper fastening. Use a combination spanner #17. Use an adjustable wrench. Use a torque wrench. Tighten it to 20 Nm torque.



24

Release the vice and take out the shock absorber.



25

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



26

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 E46 convertible

27

Screw the upper fastener of the shock absorber. Use a drive socket #13.



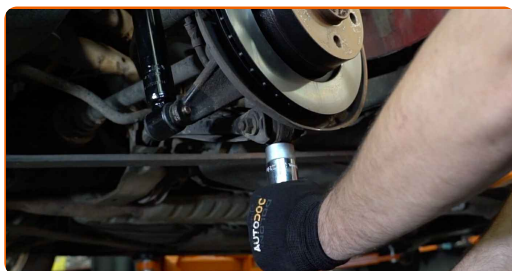
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Tighten the lower fastener of the shock absorber. Use a drive socket #18. Use a torque wrench. Tighten it to 100 Nm torque.



29

Remove the support from under the arm.

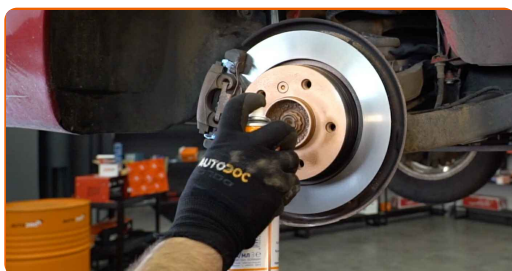


AUTODOC recommends:

- Replacement: strut mount – BMW E46 convertible. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

30

Clean the wheel rim mounting seat. Use a wire brush. Treat the contacting surface. Use copper grease.



31

Install the wheel.



Replacement: strut mount – BMW E46 convertible. Professionals recommend:

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