



How to change rear strut  
mount on **BMW 3**  
**Touring (E36)** –  
replacement guide

### SIMILAR VIDEO TUTORIAL



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

#### **Important!**

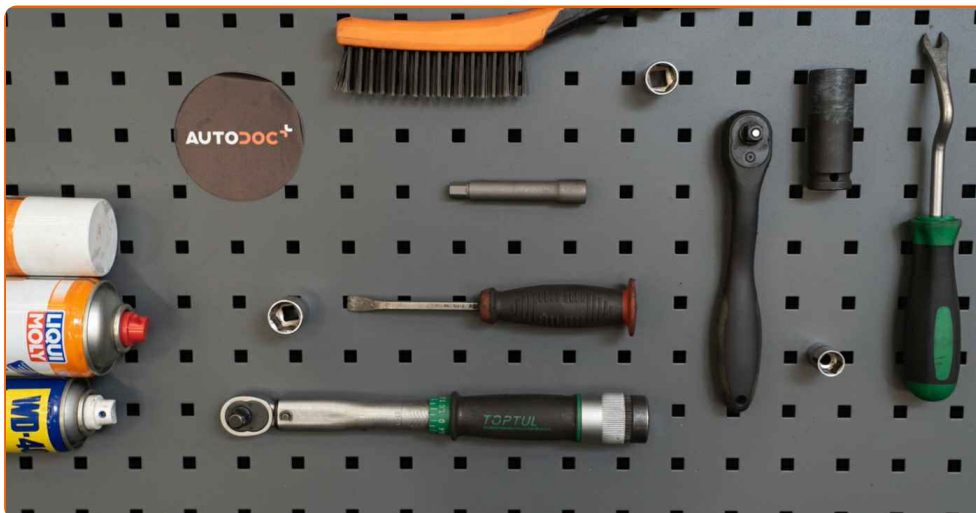
This replacement procedure can be used for:

BMW 3 Touring (E36) 320i 2.0, BMW 3 Touring (E36) 328i 2.8, BMW 3 Touring (E36) 318tds 1.7, BMW 3 Touring (E36) 325tds 2.5, BMW 3 Touring (E36) 323i 2.5, BMW 3 Touring (E36) 318i 1.8, BMW 3 Touring (E36) 316i 1.6

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 3 TOURING (E36). LIST OF THE TOOLS YOU'LL NEED:**



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

**Buy tools**

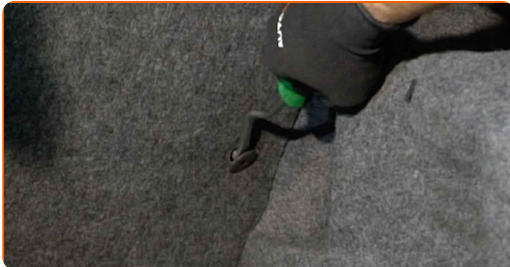
Replacement: strut mount – BMW 3 Touring (E36). AUTODOC experts recommend:

- 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.

## REPLACEMENT: STRUT MOUNT – BMW 3 TOURING (E36). RECOMMENDED SEQUENCE OF STEPS:

**1** Open the boot lid.

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



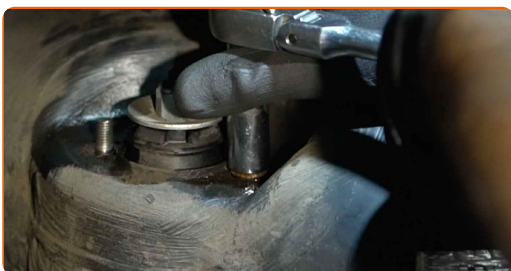
**3** Detach the boot side lining.



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

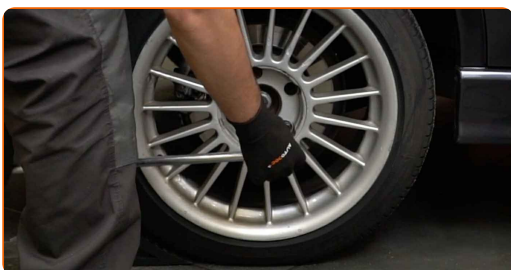


5 Loosen the upper fastener of the shock absorber. Use a drive socket #13. Use a ratchet wrench.



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 3 Touring (E36)

**10**

Remove the wheel.



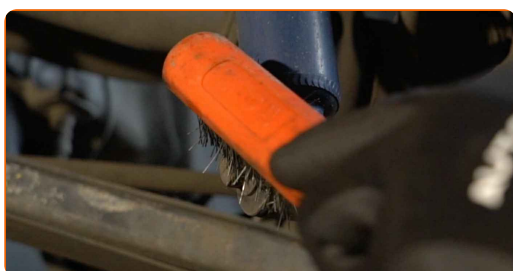
**11**

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.

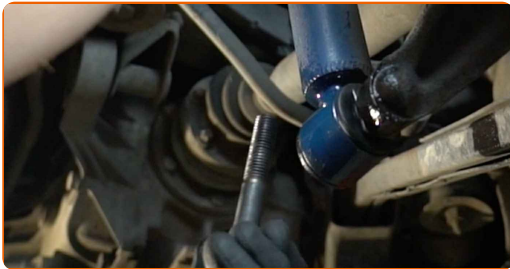


**AUTODOC recommends:**

- BMW 3 Touring (E36) – To avoid injury, hold the shock absorber while unscrewing the fastening bolts.

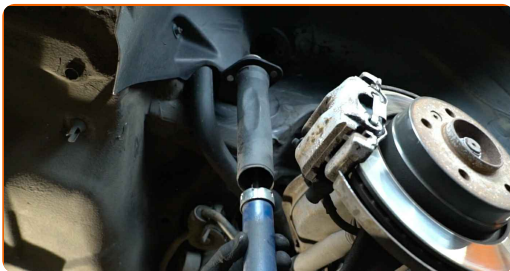
**14**

Remove the fastening bolt.



**15**

Remove the shock absorber.



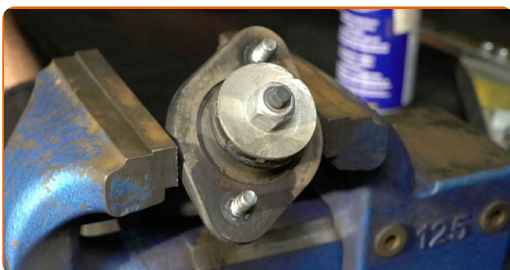
**16**

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



**17**

Grip the shock absorber in a vice.



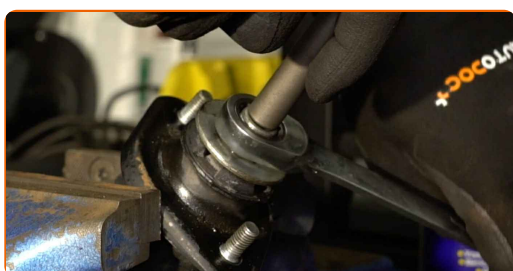
18

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



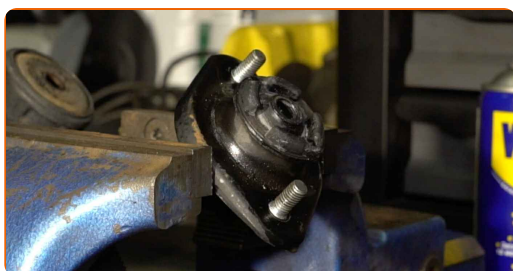
19

Remove the shock absorber piston rod fastening. Use a shock absorber socket DDN<sup>®</sup>6. Use a drive socket #16. Use a ratchet wrench.



20

Remove the shock absorber upper mount.

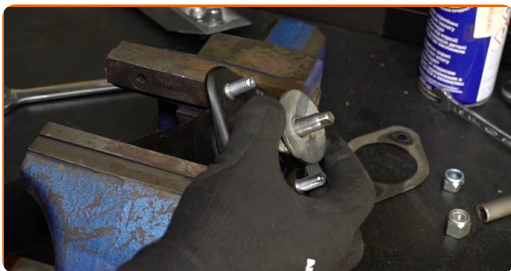


Replacement: strut mount – BMW 3 Touring (E36). Tip from AUTODOC:

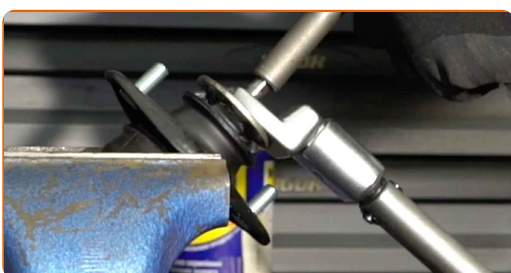
- Examine the shock absorber dust cap and the bump stop. Replace them if necessary.



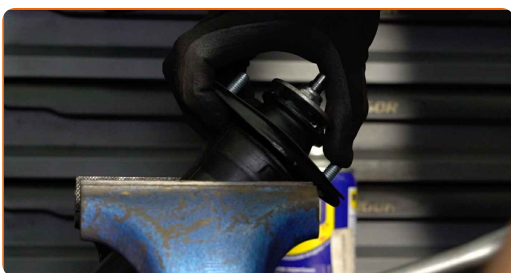
**21** Install the new shock absorber mount.



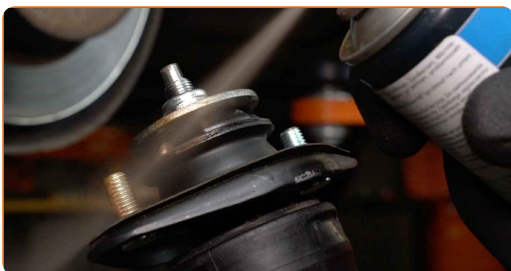
**22** Tighten the shock absorber rod nut. Use a drive socket #16. Use a shock absorber socket DDN<sup>06</sup> Use a torque wrench. Tighten it to 37 nm torque.



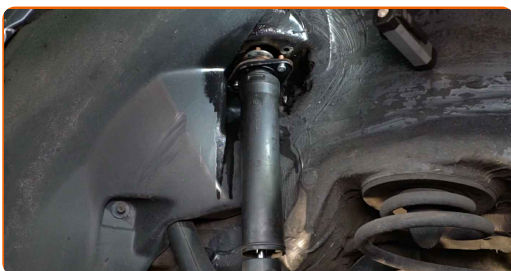
**23** Release the vice and take out the shock absorber.



**24** Treat the shock absorber rod fastener. Use copper grease.



**25** Place the shock absorber in the wheel arch and secure it.

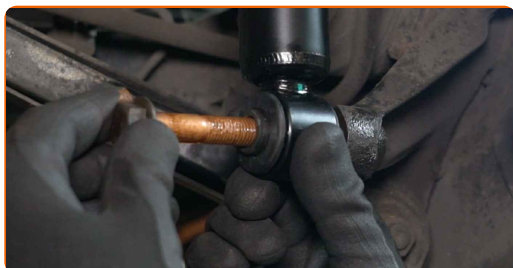


**AUTODOC recommends:**

- BMW 3 Touring (E36) – To avoid injury, hold the shock absorber while screwing in the fastening bolts.

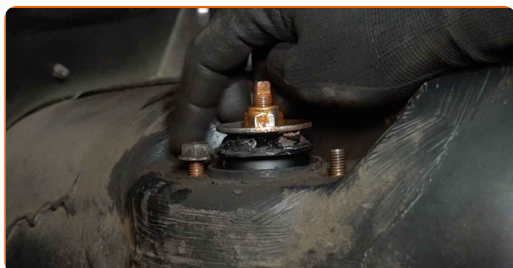
**26**

Install the fastening bolt.



**27**

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



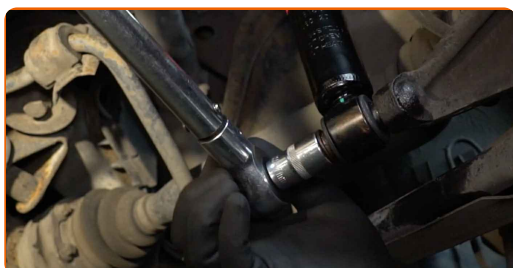
**28**

Raise the hydraulic transmission jack by 10-15 cm.



**29**

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



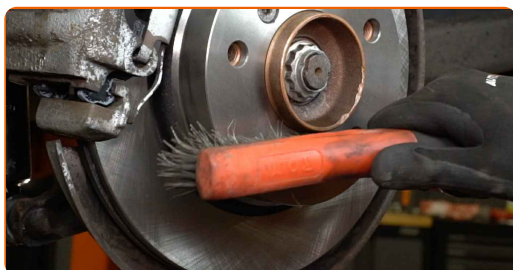
**30** Remove the support from under the arm.

**AUTODOC recommends:**

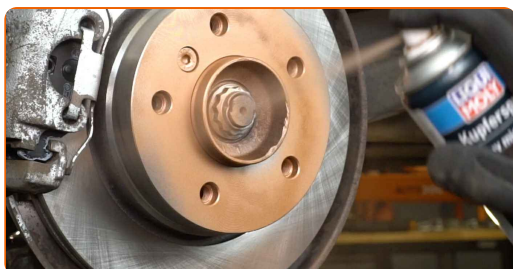
- Replacement: strut mount – BMW 3 Touring (E36). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

**31** Treat the shock absorber fasteners. Use copper grease.

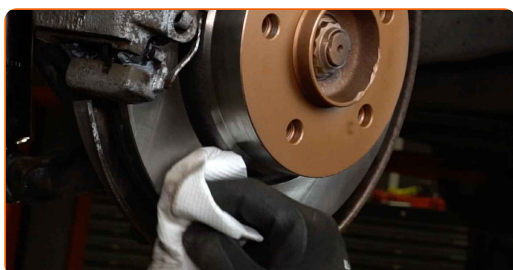
**32** Clean the wheel rim mounting seat. Use a wire brush.



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



**34** Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: strut mount – BMW 3 Touring (E36). After applying the spray, wait a few minutes.

**35**

Install the wheel.



**AUTODOC recommends:**

- Important! Hold the wheel while screwing in the fastening bolts. BMW 3 Touring (E36)

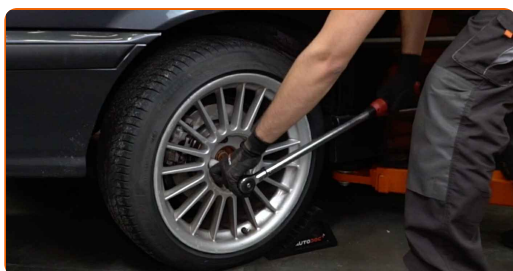
**36**

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

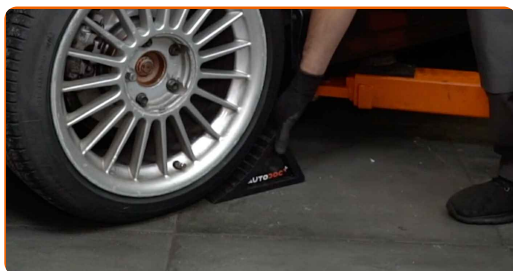


**37**

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 120 Nm torque.



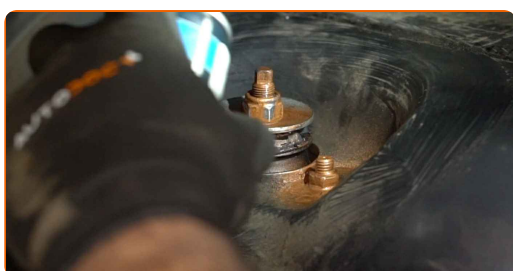
**38** Remove the jacks and chocks.



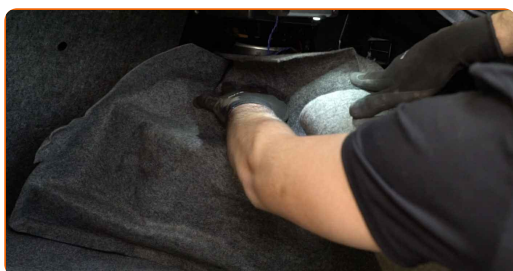
**39** Tighten the top shock absorber fastening. Use a drive socket #13. Use a torque wrench. Tighten it to 24 Nm torque.



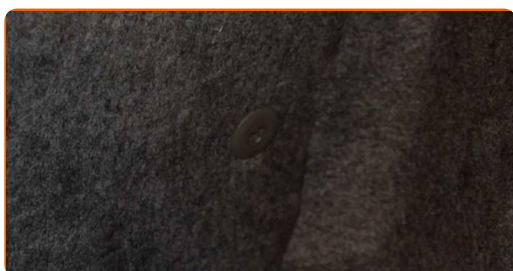
**40** Treat the shock absorber fasteners. Use copper grease.



**41** Attach the side lining of the boot.



**42** Install the clips of the boot side lining.



43

Close the lid of the luggage compartment.

**WELL DONE!** 

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