



How to change front
strut mount on
**MERCEDES-BENZ E-
Class T-modell (S211)** –
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:

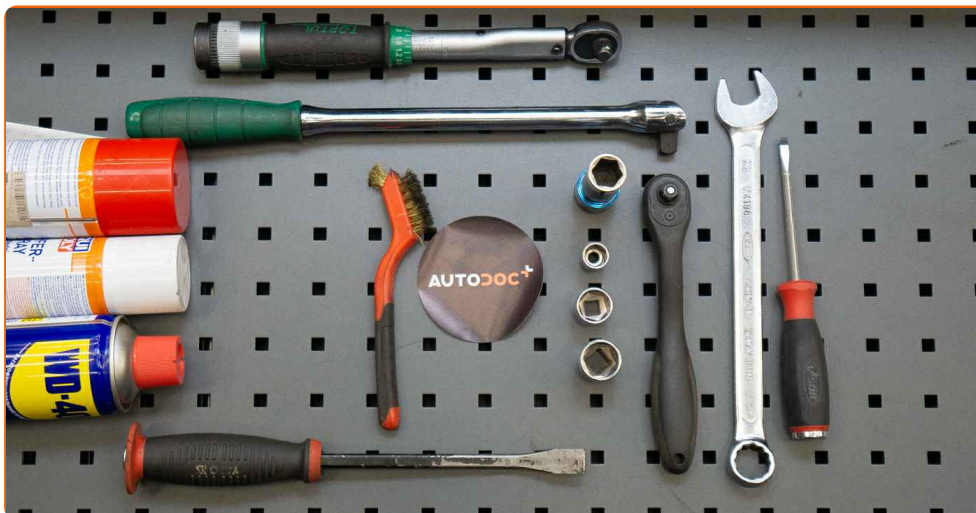
MERCEDES-BENZ E-Class T-modell (S211) E 240 T (211.261), MERCEDES-BENZ E-Class T-modell (S211) E 320 T (211.265), MERCEDES-BENZ E-Class T-modell (S211) E 200 T Kompressor (211.242), MERCEDES-BENZ E-Class T-modell (S211) E 220 T CDI (211.206, 211.606), MERCEDES-BENZ E-Class T-modell (S211) E 270 T CDI (211.216), MERCEDES-BENZ E-Class T-modell (S211) E 320 T CDI (211.226), MERCEDES-BENZ E-Class T-modell (S211) E 240 T 4-matic (211.280), MERCEDES-BENZ E-Class T-modell (S211) E 320 T 4-matic (211.282), MERCEDES-BENZ E-Class T-modell (S211) E 500 T (211.270), MERCEDES-BENZ E-Class T-modell (S211) E 500 T 4-matic (211.283), MERCEDES-BENZ E-Class T-modell (S211) E 280 T CDI (211.223), MERCEDES-BENZ E-Class T-modell (S211) E 320 T CDI (211.222), MERCEDES-BENZ E-Class T-modell (S211) E 280 T CDI (211.220), MERCEDES-BENZ E-Class T-modell (S211) E 280 T (211.254), MERCEDES-BENZ E-Class T-modell (S211) E 350 T (211.256), (+ 6)

The steps may slightly vary depending on the car design.

Please note that this tutorial was created based on the replacement procedure for this car part on a car with a similar design.

This tutorial was created based on the replacement procedure for a similar car part on: MERCEDES-BENZ E-Class Saloon (W211) E 220 CDI (211.006)

REPLACEMENT: STRUT MOUNT – MERCEDES-BENZ E-CLASS T-MODELL (S211). TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Drive socket # 13
- Drive socket # 17
- Drive socket # 21
- Combination spanner #21
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Flat Screwdriver
- Crow bar
- Tap wrench
- Hydraulic strut spring compressor
- Hydraulic transmission jack
- Fender cover
- Wheel chock

[Buy tools](#)

Replacement: strut mount – MERCEDES-BENZ E-Class T-modell (S211).
Professionals recommend:

- 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.
- Please note: all work on the car – MERCEDES-BENZ E-Class T-modell (S211) – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

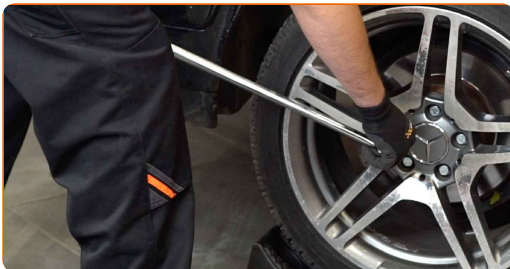
1

Secure the wheels with chocks.



2

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



3

Raise the front of the car and secure on supports.

4

Unscrew the wheel bolts.

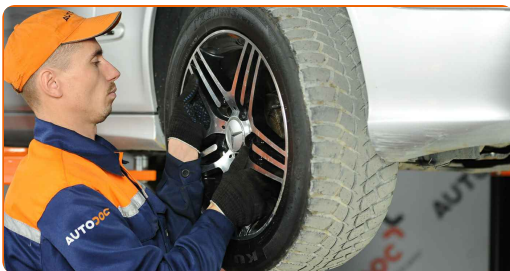


Replacement: strut mount – MERCEDES-BENZ E-Class T-modell (S211).
AUTODOC recommends:

- To avoid injury, hold up the wheel when unscrewing the bolts.

5

Remove the wheel.

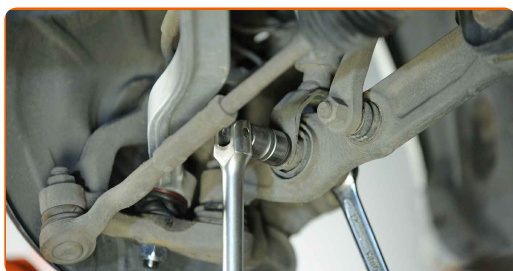


6

Clean the fastening bolt that connects the shock absorber fork with the lower control arm. Use a wire brush. Use WD-40 spray.

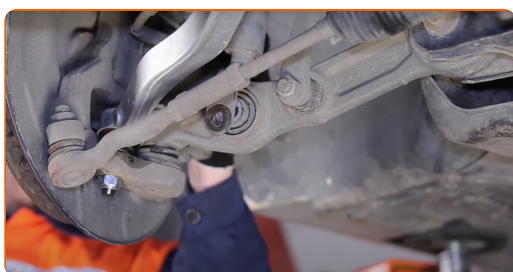


- 7 Unscrew the fastening bolt that connects the shock absorber fork with the lower control arm. Use a combination spanner #21. Use a drive socket #21. Use a tap wrench.



- 8 Remove the fastening bolt.

- 9 Detach the bottom part of the shock strut. Use a crowbar.



- 10 Lower the car.

- 11 Open the bonnet.

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

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

- 14 Unscrew the top fastening of the shock strut mount. Use a drive socket #13. Use a ratchet wrench.

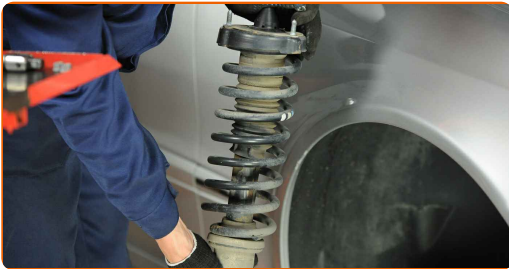


AUTODOC recommends:

- Important! Hold the suspension strut while unscrewing the fastening bolts.
MERCEDES-BENZ E-Class T-modell (S211)

15

Remove the suspension strut.



16

Set the shock absorber strut on the spring compressor tool.



Replacement: strut mount – MERCEDES-BENZ E-Class T-modell (S211). Tip from AUTODOC:

- 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.

17

Compress the spring.



18

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



19

Remove the strut piston rod nut. Use a drive socket #17. Use a ratchet wrench.



20

Remove the top strut mount. Use a flat screwdriver.



Replacement: strut mount – MERCEDES-BENZ E-Class T-modell (S211).
AUTODOC experts recommend:

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

21 Remove the rubber spring spacer. Use a flat screwdriver.



22 Install the rubber spring spacer.



23 Clean the mounting seat of the shock strut mount. Use a wire brush. Use WD-40 spray.

24 Install a new top shock strut mount.



25 Tighten the shock strut piston rod nut. Use a drive socket #17. Use a torque wrench. Tighten it to 23 Nm torque.

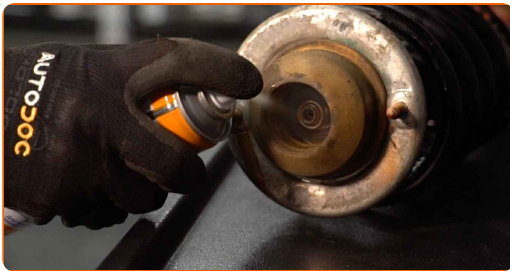


Replacement: strut mount – MERCEDES-BENZ E-Class T-modell (S211).
Professionals recommend:

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

26

Treat the shock strut rod. Use copper grease.



27

Decompress the spring.



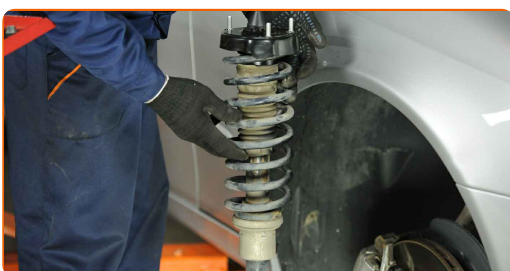
28

Remove the assembled shock strut.



29

Install the shock strut into the wheel arch.



30

Screw the top fastening of the shock strut mount.

AUTODOC recommends:

- MERCEDES-BENZ E-Class T-modell (S211) – To avoid injury, hold the suspension strut while screwing in the fastening bolts.

31

Tighten the upper fastener of the shock absorber strut mount. Use a drive socket #13. Use a torque wrench. Tighten it to 30 Nm torque.



32

Remove the fender protection cover.

33

Close the hood.

34

Raise the front of the car and secure on supports.

35

Attach the bottom part of the shock strut. Use a crowbar.

36

Install the fastening bolt.



- 37** Screw in the fasteners connecting the suspension strut fork to the lower control arm. Use a combination spanner #21. Use a drive socket #21. Use a ratchet wrench.



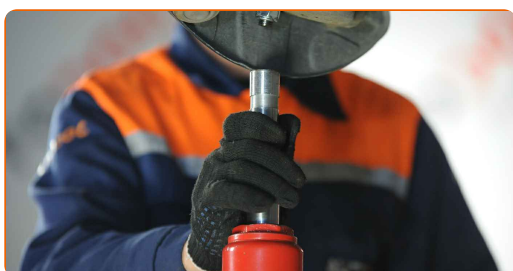
- 38** Prop up the steering knuckle. Use a hydraulic transmission jack.



- 39** Tighten the fastening bolt that connects the shock absorber fork to the lower control arm. Use a combination spanner #21. Use a drive socket #21. Use a torque wrench. Tighten it to 165 Nm torque.



- 40** Remove the support from under the steering knuckle.



AUTODOC recommends:

- Replacement: strut mount – MERCEDES-BENZ E-Class T-modell (S211). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

41

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



42

Clean the brake disk surface. Use a brake cleaner.



**Replacement: strut mount – MERCEDES-BENZ E-Class T-modell (S211).
AUTODOC recommends:**

- After applying the spray, wait a few minutes.

43

Install the wheel.



Replacement: strut mount – MERCEDES-BENZ E-Class T-modell (S211). Tip from AUTODOC experts:

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

44

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



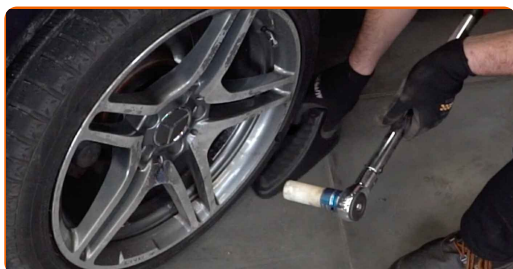
45

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.



46

Remove the jacks and chocks.



WELL DONE! 

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STRUT MOUNT: A WIDE SELECTION

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