



How to change front  
lower arm on  
**MERCEDES-BENZ E-  
Class T-modell (S210)** –  
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:

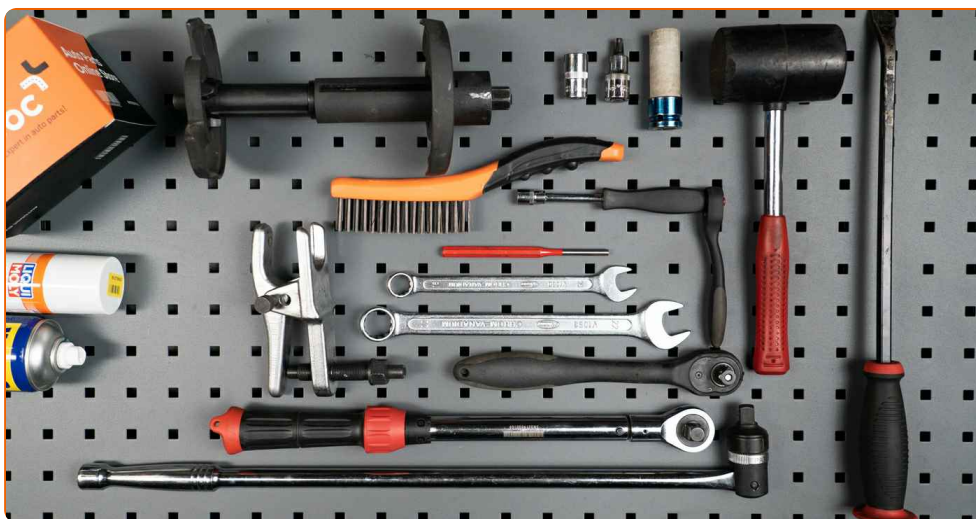
MERCEDES-BENZ E-Class T-modell (S210) E 200 T (210.235), MERCEDES-BENZ E-Class T-modell (S210) E 230 T (210.237), MERCEDES-BENZ E-Class T-modell (S210) E 420 T (210.272), MERCEDES-BENZ E-Class T-modell (S210) E 290 T Turbo-D (210.217), MERCEDES-BENZ E-Class T-modell (S210) E 250 T D (210.210), MERCEDES-BENZ E-Class T-modell (S210) E 270 T CDI, MERCEDES-BENZ E-Class T-modell (S210) E 280 T 4-matic (210.281), MERCEDES-BENZ E-Class T-modell (S210) E 320 T (210.265), MERCEDES-BENZ E-Class T-modell (S210) E 300 T Turbo-D (210.225), MERCEDES-BENZ E-Class T-modell (S210) E 320 T 4-matic (210.282), MERCEDES-BENZ E-Class T-modell (S210) E 250 T Turbo-D (210.215), MERCEDES-BENZ E-Class T-modell (S210) E 280 T (210.263), MERCEDES-BENZ E-Class T-modell (S210) E 240 T (210.261), MERCEDES-BENZ E-Class T-modell (S210) E 430 T (210.270), MERCEDES-BENZ E-Class T-modell (S210) E 200 T Kompressor (210.245), (+ 7)

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 (W210) E 430 (210.070)

**REPLACEMENT: FRONT LOWER ARM – MERCEDES-BENZ E-CLASS T-MODELL (S210). LIST OF THE TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Copper grease
- Torx bit T50
- Drive socket # 10
- Drive socket # 16
- Combination spanner #16
- Combination spanner #22
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Crow bar
- Tap wrench
- Pin punch
- Rubber mallet
- Strut spring compressor
- Ball joint puller
- Hydraulic transmission jack
- Wheel chock

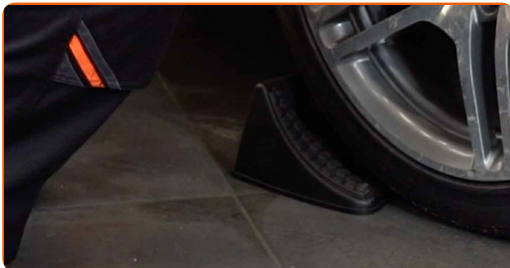
**Buy tools**

Replacement: front lower arm – MERCEDES-BENZ E-Class T-modell (S210).  
AUTODOC experts recommend:

- The replacement procedure is identical for the left and right lower control arms.
- All work should be done with the engine stopped.

## REPLACEMENT: FRONT LOWER ARM – MERCEDES-BENZ E-CLASS T-MODELL (S210). RECOMMENDED SEQUENCE OF STEPS:

**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.

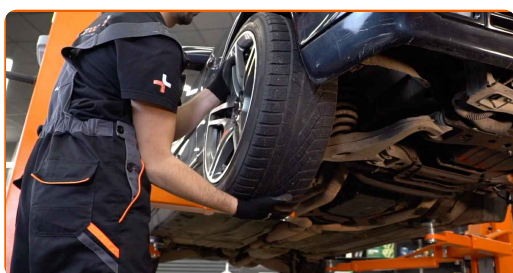
**4** Unscrew the wheel bolts.



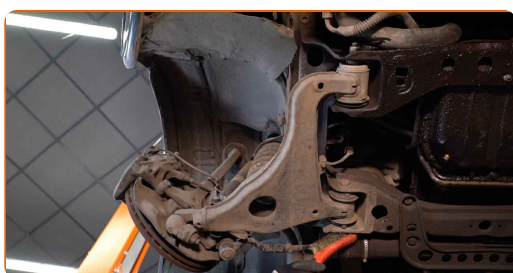
**AUTODOC recommends:**

- Important! Hold the wheel while unscrewing the fastening bolts. MERCEDES-BENZ E-Class T-modell (S210)

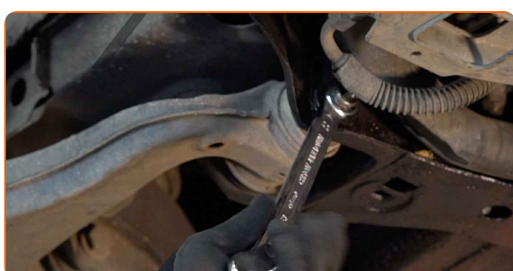
**5** Remove the wheel.



**6** Clean all joints of the arm. Use a wire brush. Treat all joints of the arm. Use WD-40 spray.

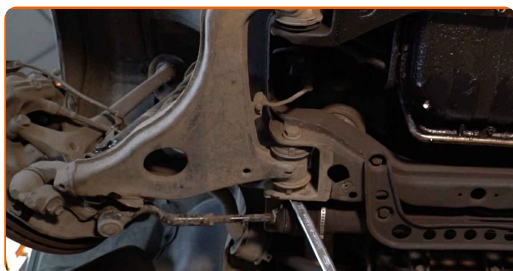


**7** Unscrew the front arm fastener. Use a combination spanner #22.



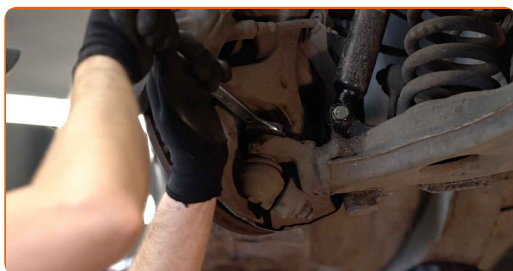
8

Unscrew the rear arm fastener. Use a combination spanner #22.



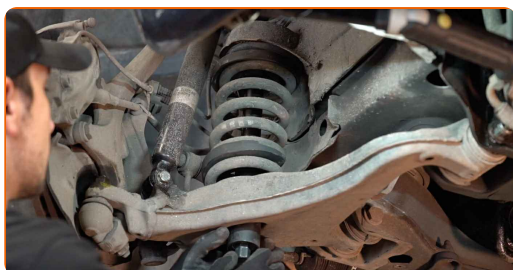
9

Loosen the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #22.



10

Install the coil spring compressor on the coil spring.

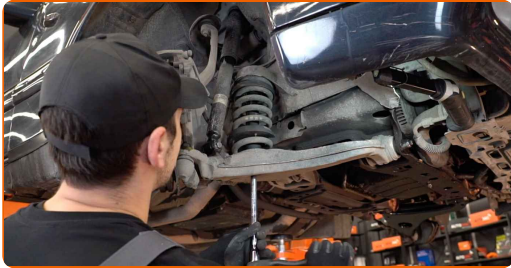


Replacement: front lower arm – MERCEDES-BENZ E-Class T-modell (S210).  
Tip from AUTODOC experts:

- Use adapters and jaws of the appropriate size.
- The spring coils should be securely fixed with the coil spring compressor.
- Use high quality coil spring compressors.

**11**

Compress the spring.

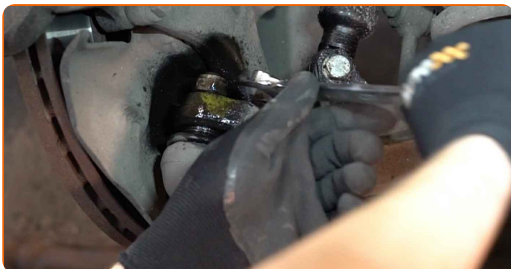


Replacement: front lower arm – MERCEDES-BENZ E-Class T-modell (S210).  
Tip from AUTODOC:

- Be careful. The compressed spring is powerful and in case of disrupting ties, straightening, it can cause injury.

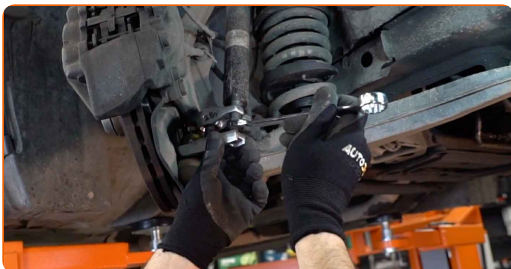
**12**

Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #22.



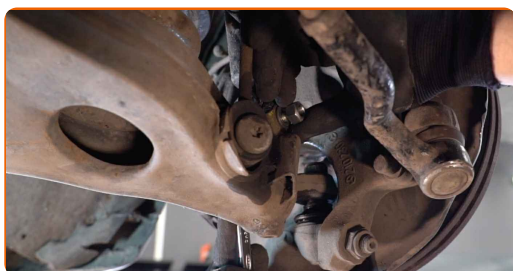
**13**

Disconnect the ball joint from the steering knuckle. Use a ball joint puller.

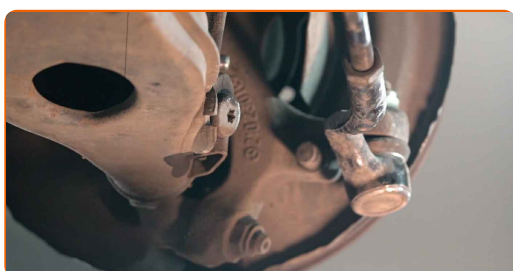




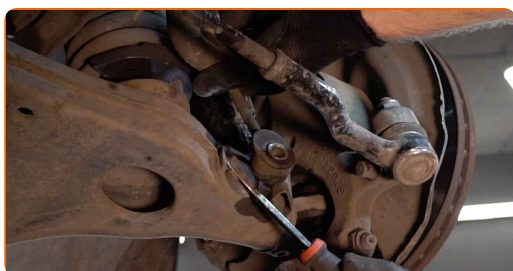
- 14** Unscrew the fastener connecting the shock strut to the suspension control arm. Use a drive socket #16. Use a combination spanner #16. Use a ratchet wrench.



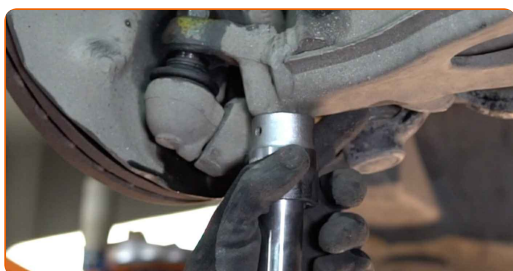
- 15** Disconnect the transverse stabilizer fastener from the link. Use Torx T50. Use a tap wrench.



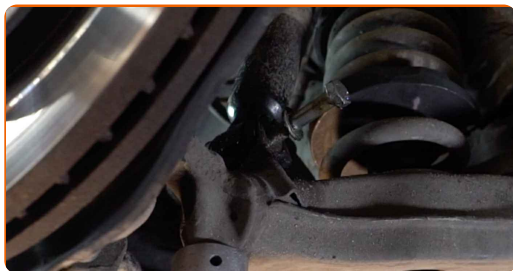
- 16** Remove the stabilizer rod. Use a crowbar.



- 17** Support the arm. Use a hydraulic transmission jack.



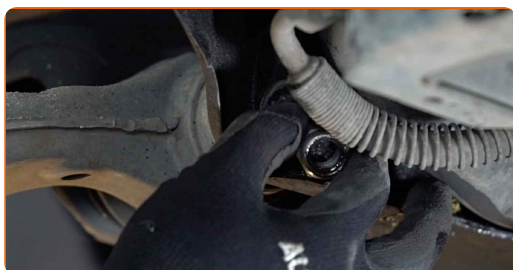
**18** Remove the fastening bolt. Use a pin punch. Use a rubber mallet.



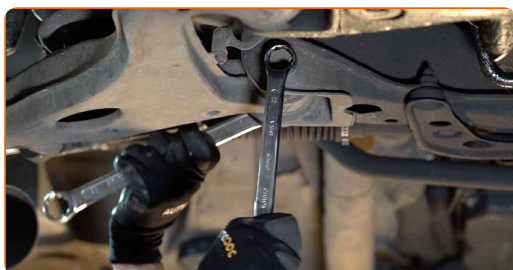
**19** Unscrew the front arm fastener. Use a combination spanner #22 (2 pieces).



**20** Remove the fastening nut.



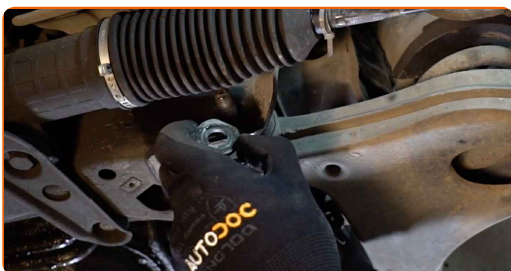
**21** Unscrew the rear arm fastener. Use a combination spanner #22 (2 pieces).



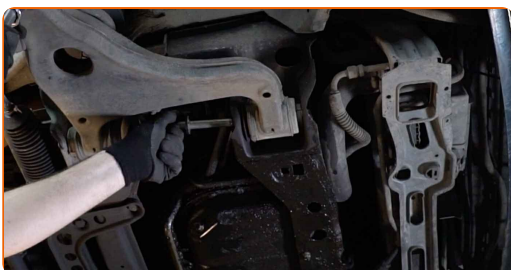
**22** Make a mark on the camber adjustment bolt. Use a crowbar. Use a rubber mallet.



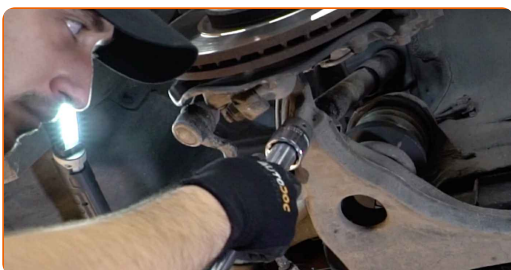
**23** Remove the fastening nut.



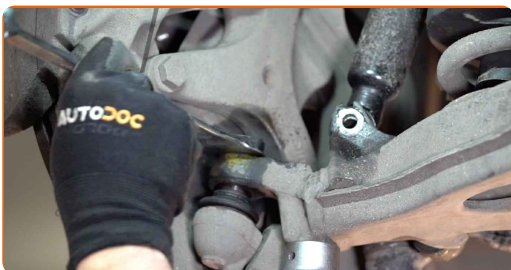
**24** Remove the fastening bolts.



**25** Unscrew the fastener connecting the ball joint to the suspension control arm. Use a combination spanner #22.



**26** Lower the hydraulic transmission jack by 10-15 cm.

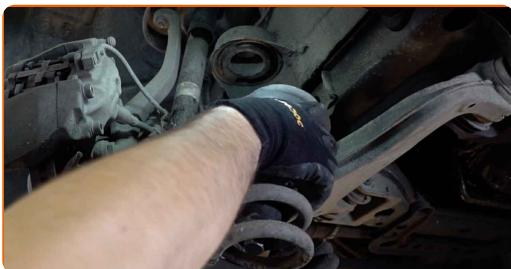


**AUTODOC recommends:**

- Replacement: front lower arm – MERCEDES-BENZ E-Class T-modell (S210). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

**27**

Remove the coil spring together with the coil spring compressor.

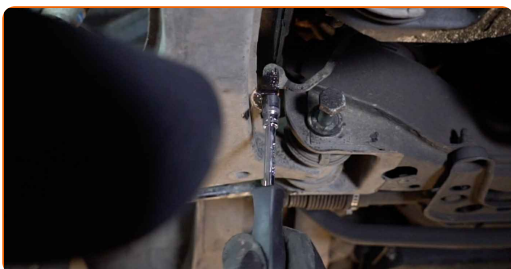


**Replacement: front lower arm – MERCEDES-BENZ E-Class T-modell (S210).  
AUTODOC experts recommend:**

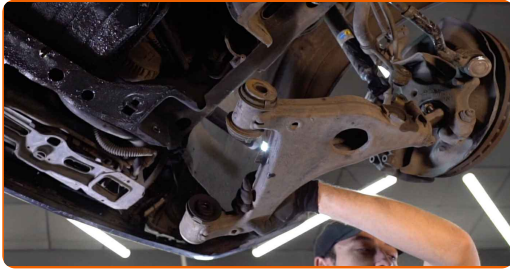
- While the spring is compressed, do not do any operations on it.

**28**

Detach the fastener connecting the suspension level sensor to the suspension control arm. Use a drive socket #10. Use a ratchet wrench.



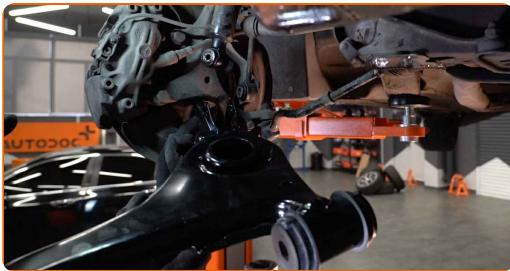
**29** Remove the arm. Use a crowbar.



**30** Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.



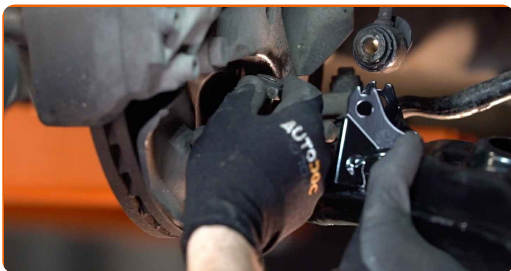
**31** Install a new arm.



Replacement: front lower arm – MERCEDES-BENZ E-Class T-modell (S210).  
AUTODOC recommends:

- During the installation process, use only new bolts and nuts.
- Do not damage the ball joint cover.

**32** Install the ball joint on the new arm. Use a combination spanner #22.



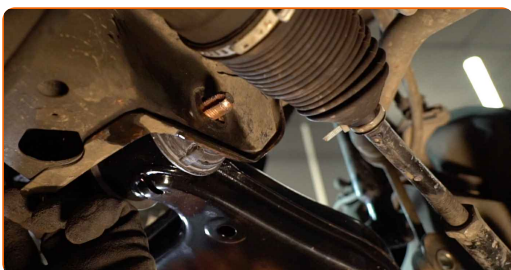
**33** Support the arm. Use a hydraulic transmission jack.



**34** Position the control arm according to its mounting holes. Use a rubber mallet. Use a crowbar.



**35** Install the control arm fasteners. Use a rubber mallet.



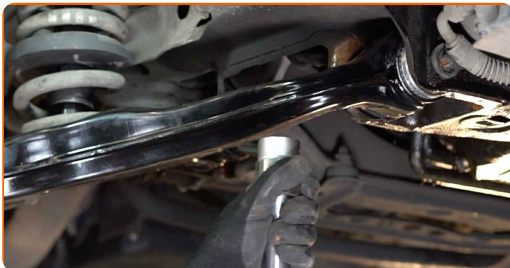
**36**

Attach the fastener connecting the suspension level sensor to the suspension control arm. Use a drive socket #10. Use a ratchet wrench.



**37**

Lower the hydraulic transmission jack by 10-15 cm.

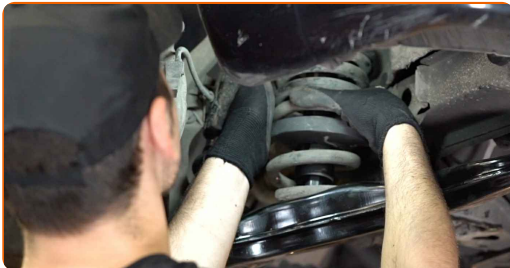


**AUTODOC recommends:**

- MERCEDES-BENZ E-Class T-modell (S210) – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

**38**

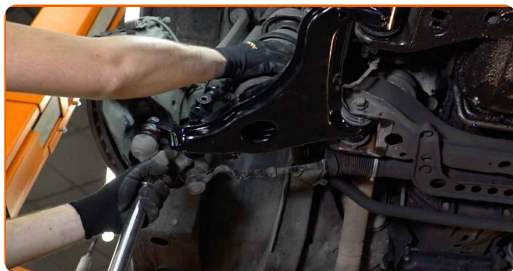
Install the coil spring together with the rubber mounts into the mounting seats.



**Replacement: front lower arm – MERCEDES-BENZ E-Class T-modell (S210).  
Tip from AUTODOC:**

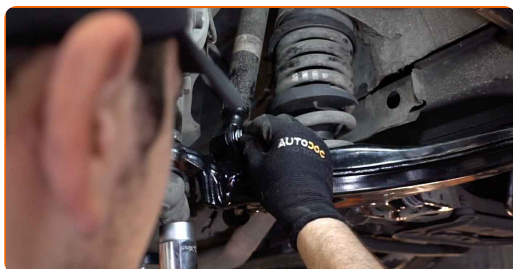
- Make sure that the coil spring is correctly positioned in its mounting seats.

**39** Support the arm. Use a hydraulic transmission jack.



**40** Attach the suspension control arm to the shock strut.

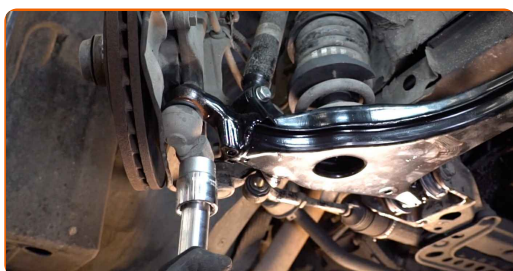
**41** Install the fastener connecting the shock strut to the suspension control arm.



**42** Tighten the ball joint fastening nut. Use a combination spanner #22.

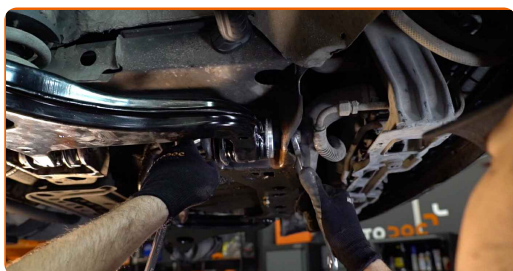


**43** Raise the hydraulic transmission jack by 10-15 cm.

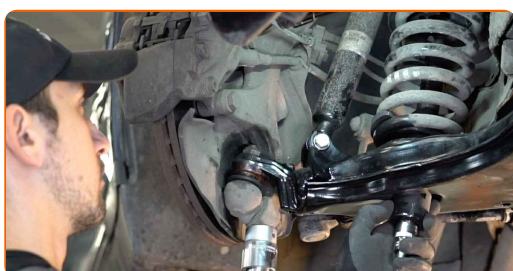




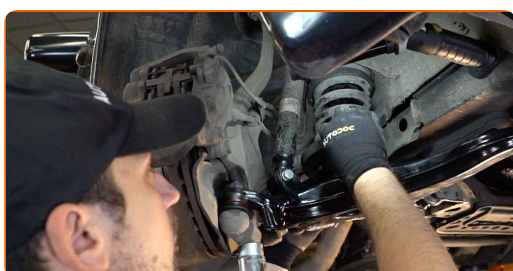
- 44** Tighten the arm fastening to the subframe. Use a combination spanner #22. Use a torque wrench. Tighten it to 120 nm torque.



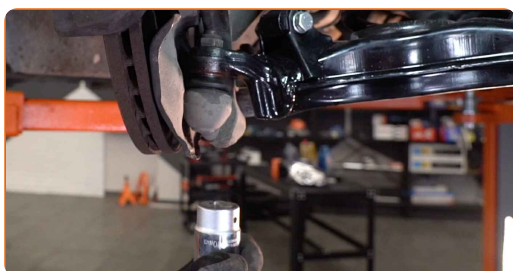
- 45** Decompress the spring.



- 46** Remove the coil spring compressor.



- 47** Remove the support from under the arm.



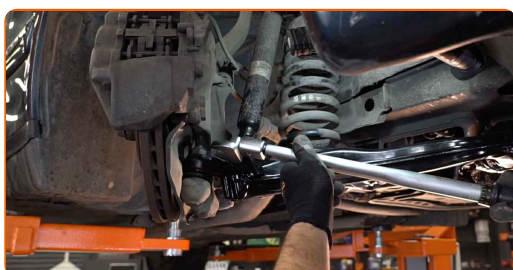
**AUTODOC recommends:**

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

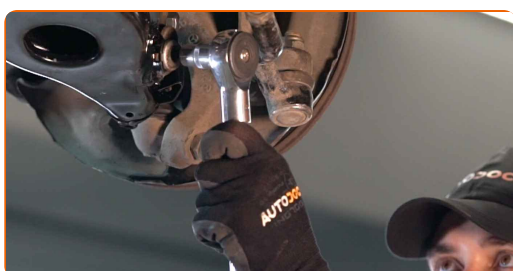
**48** Install the transverse stabilizer link.



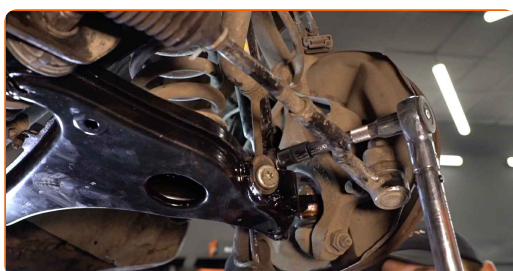
**49** Tighten the ball joint fastener. Use a combination spanner #22. Use a torque wrench. Tighten it to 80 nm torque.



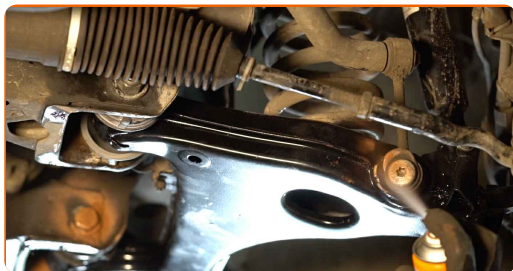
**50** install the rod fastening to the stabilizer and tighten it. Use Torx T50. Use a torque wrench. Tighten it to 45 nm torque.



**51** Tighten the fastener connecting the shock strut to the suspension control arm. Use a drive socket #16. Use a torque wrench. Tighten it to 55 nm torque.



**52** Treat all joints of the arm. Use copper grease.



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



**54** Install the wheel.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. MERCEDES-BENZ E-Class T-modell (S210)

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

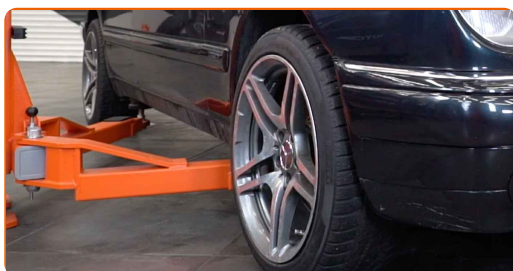


**56**

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 112 nm torque.

**57**

Remove the jacks and chocks.



**WELL DONE!** 

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