



How to change front
lower arm on
**MERCEDES-BENZ E-
Class T-modell (S124)** –
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 (S124) E 300 TD (124.191), MERCEDES-BENZ E-Class T-modell (S124) E 200 T (124.079), MERCEDES-BENZ E-Class T-modell (S124) E 220 T (124.082), MERCEDES-BENZ E-Class T-modell (S124) E 280 T (124.088), MERCEDES-BENZ E-Class T-modell (S124) E 320 T (124.092), MERCEDES-BENZ E-Class T-modell (S124) E 250 TD (124.186), MERCEDES-BENZ E-Class T-modell (S124) E 300 T Turbo-D (124.193), MERCEDES-BENZ E-Class T-modell (S124) E 300 T 4-matic (124.290), MERCEDES-BENZ E-Class T-modell (S124) E 300 T Turbo-D 4-matic (124.393), MERCEDES-BENZ E-Class T-modell (S124) E 250 Turbo D

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: MERCEDES-BENZ E-Class Saloon (W124) E 250 D (124.126, 124.129)

REPLACEMENT: FRONT LOWER ARM – MERCEDES-BENZ E-CLASS T-MODELL (S124). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Ceramic grease
- Torque wrench
- Combination spanner #18
- Combination spanner #22
- Drive socket # 13
- Drive socket # 19
- Drive socket # 22
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Hammer
- Pin punch
- Crow bar
- Rubber mallet
- Strut spring compressor
- Hydraulic transmission jack
- Wheel chock

Buy tools

Replacement: front lower arm – MERCEDES-BENZ E-Class T-modell (S124).
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 (S124). RECOMMENDED SEQUENCE OF STEPS:

1 Secure the wheels with chocks.

2 Loosen the wheel bolts. Use wheel impact socket #17. Use a tap wrench.



3 Raise the car.

Replacement: front lower arm – MERCEDES-BENZ E-Class T-modell (S124).
AUTODOC recommends:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

4

Unscrew the wheel bolts.



AUTODOC recommends:

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

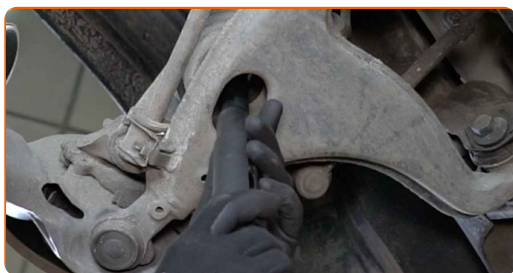
5

Remove the wheel.



6

Install the coil spring compressor on the coil spring.

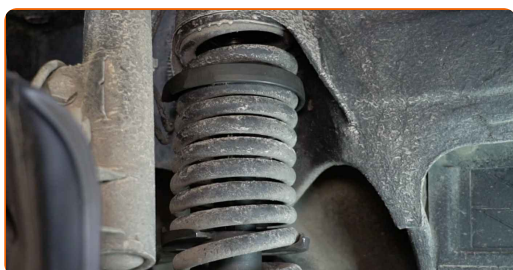


Replacement: front lower arm – MERCEDES-BENZ E-Class T-modell (S124).
Professionals recommend:

- 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.

7

Compress the spring.

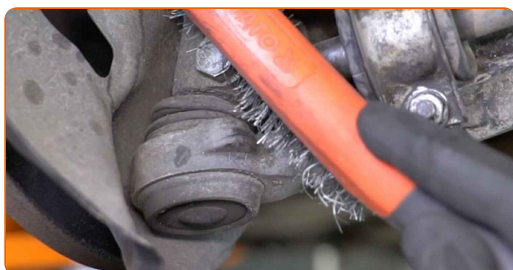


AUTODOC recommends:

- Be careful. The compressed spring is powerful and can cause injury if it comes loose.

8

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



9 Make marks on the camber bolts.



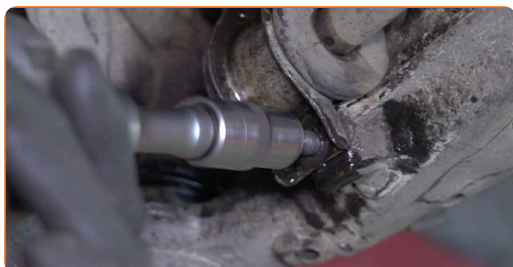
10 Unscrew the rear fastener of the control arm. Use a combination spanner #22. Use a drive socket #22. Use a ratchet wrench.



11 Unscrew the front fastener of the control arm. Use a combination spanner #22. Use a drive socket #22. Use a ratchet wrench.



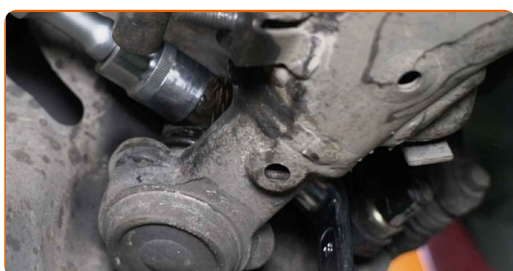
12 Unscrew the fasteners connecting the anti-roll bar bracket to the control arm. Use a drive socket #13. Use a ratchet wrench.



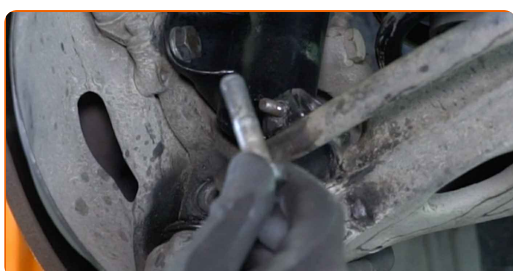
13 Detach the anti-roll bar from the control arm.



14 Unscrew the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #18. Use a drive socket #19. Use a ratchet wrench.



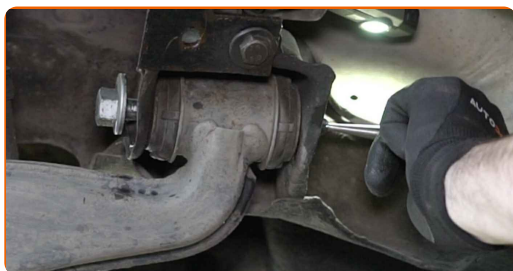
15 Remove the fastening bolt.



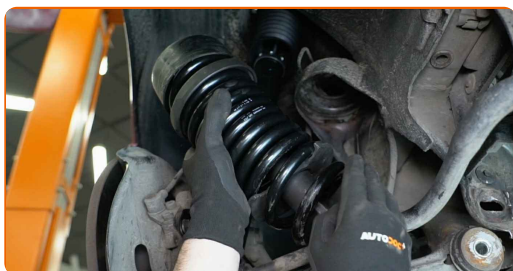
16 Disconnect the ball joint from the steering knuckle.



17 Remove the fastening bolts. Use a pin punch. Use a hammer.



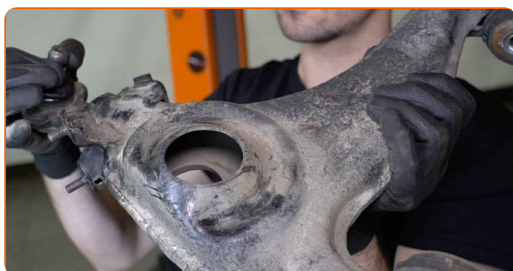
18 Remove the coil spring together with the coil spring compressor.



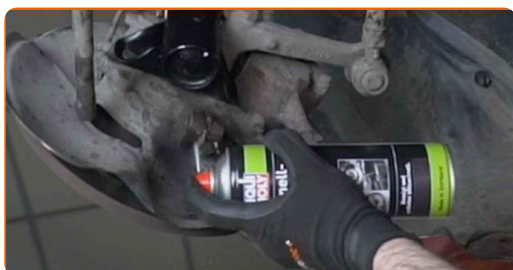
Replacement: front lower arm – MERCEDES-BENZ E-Class T-modell (S124).
Tip from AUTODOC experts:

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

19 Remove the control arm. Use a crowbar.



20 Clean the suspension arm mounting seats. Use a wire brush. Use all-purpose cleaning spray.



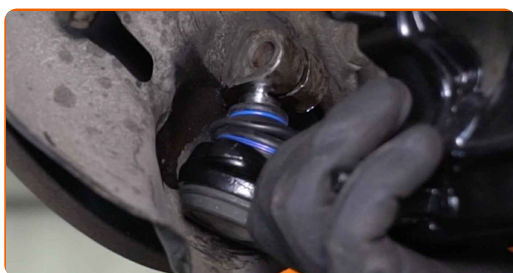
21 Install the new control arm.



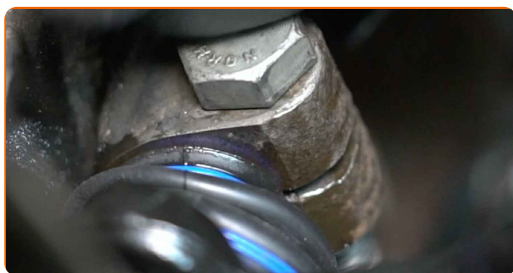
AUTODOC recommends:

- During the installation process, use only new bolts and nuts.

22 Connect the ball joint to the steering knuckle.



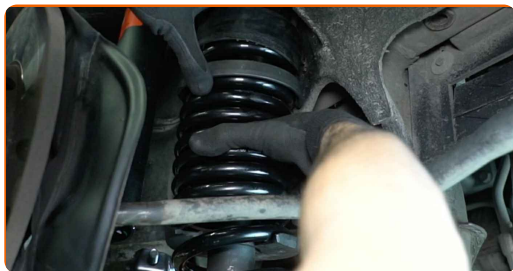
23 Install the fastening bolt.



24 Support the control arm. Use a hydraulic transmission jack.



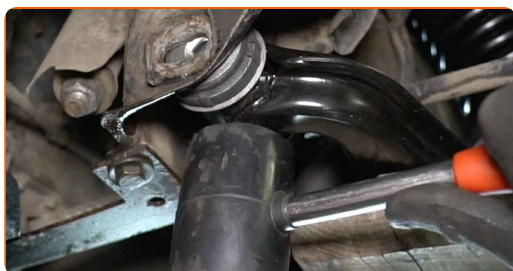
25 Install the spring together with the compressor.



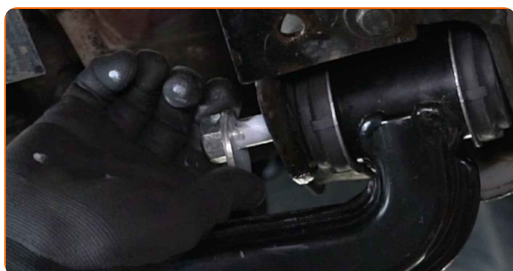
Replacement: front lower arm – MERCEDES-BENZ E-Class T-modell (S124).
Tip:

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

26 Position the control arm according to its mounting holes. Use a rubber mallet.



27 Install the fastening bolts. Use a rubber mallet.



28 Remove the support from under the control arm.

29 Adjust the position of the camber bolts according to the marks.

30

Support the steering knuckle. Use a hydraulic transmission jack.

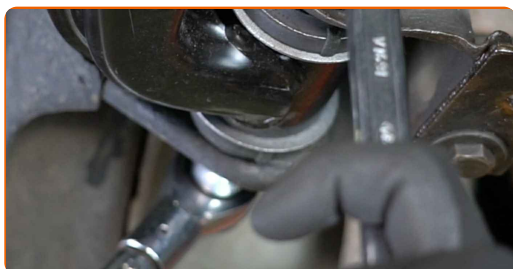


AUTODOC recommends:

- For tightening the fasteners correctly, you have to jack up the suspension components to their working position.

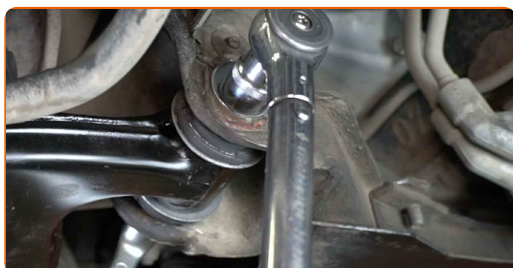
31

Tighten the rear fastener of the control arm. Use a combination spanner #22. Use a drive socket #22. Use a torque wrench. Tighten it to 120 Nm torque.



32

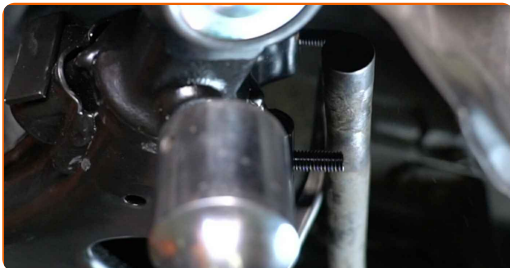
Tighten the front fastener of the arm. Use a combination spanner #22. Use a drive socket #22. Use a torque wrench. Tighten it to 120 Nm torque.



- 33** Tighten the ball joint fastener. Use a combination spanner #18. Use a drive socket #19. Use a torque wrench. Tighten it to 75 Nm torque.



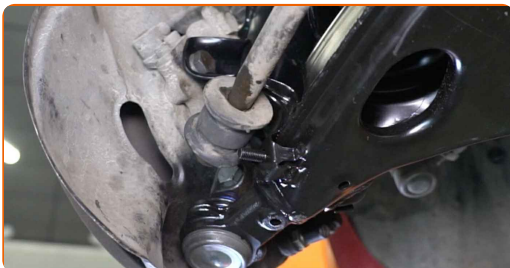
- 34** Remove the support from under the steering knuckle.



AUTODOC recommends:

- MERCEDES-BENZ E-Class T-modell (S124) – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

- 35** Connect the anti-roll bar to the control arm. Use a crowbar.



- 36 Tighten the fasteners connecting the anti-roll bar bracket to the control arm. Use a drive socket #13. Use a torque wrench. Tighten it to 20 Nm torque.



- 37 Decompress the spring.



- 38 Remove the coil spring compressor.



- 39 Clean the wheel rim mounting seat. Use a wire brush. Use all-purpose cleaning spray.



40

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



41

Install the wheel.



Replacement: front lower arm – MERCEDES-BENZ E-Class T-modell (S124).
AUTODOC experts recommend:

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

42

Screw in the wheel bolts. Use wheel impact socket #17. Use a ratchet wrench.

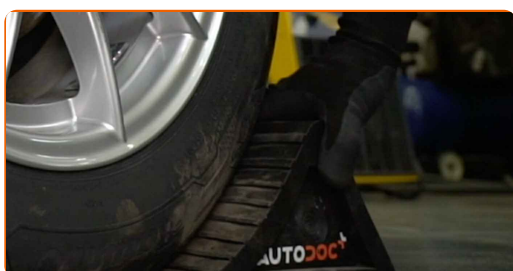


43

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 110 Nm torque.

**44**

Remove the jacks and chocks.



WELL DONE! 

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