



How to change front  
lower arm on  
**MERCEDES-BENZ W124**  
**Coupe (C124) –**  
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 W124 Coupe (C124) 230 CE 2.3 (124.043), MERCEDES-BENZ W124 Coupe (C124) 300 CE 3.0, MERCEDES-BENZ W124 Coupe (C124) 300 CE-24 3.0 (124.051), MERCEDES-BENZ W124 Coupe (C124) 230 CE 2.3 KAT (124.043), MERCEDES-BENZ W124 Coupe (C124) 300 CE 3.0 (124.050), MERCEDES-BENZ W124 Coupe (C124) 220 CE 2.2 (124.042), MERCEDES-BENZ W124 Coupe (C124) 200 CE (124.040), MERCEDES-BENZ W124 Coupe (C124) 200 CE (124.041)

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 W124 COUPE (C124). 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 W124 Coupe (C124).  
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 W124 COUPE (C124). 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 W124 Coupe (C124).  
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.

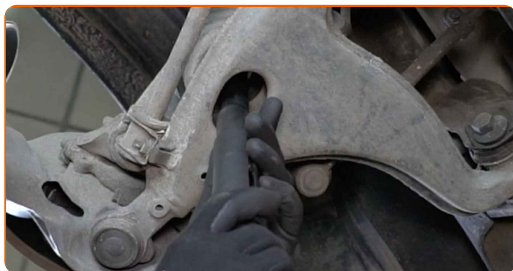
5

Remove the wheel.



6

Install the coil spring compressor on the coil spring.

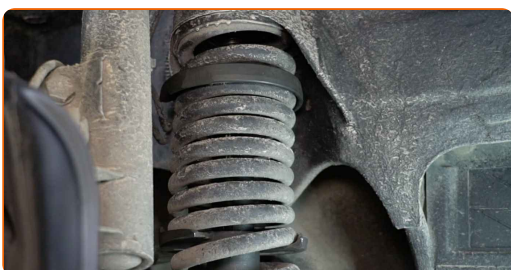


Replacement: front lower arm – MERCEDES-BENZ W124 Coupe (C124).  
Professionals recommend:

- 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.

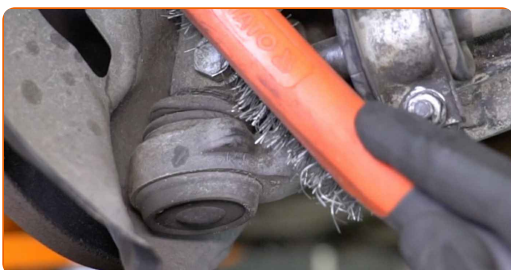


AUTODOC recommends:

- 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.



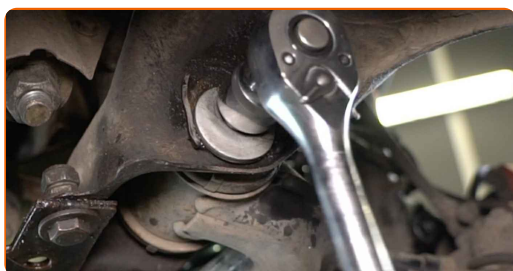
9

Make marks on the camber bolts.



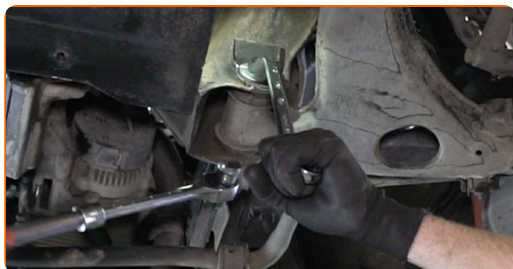
10

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



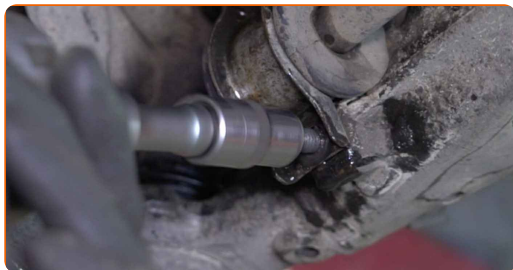
11

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.

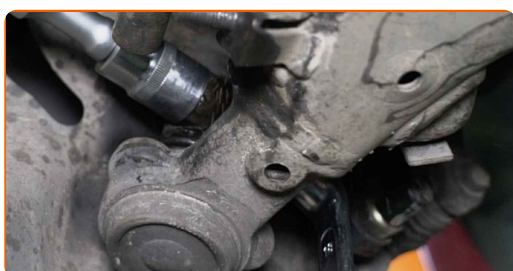




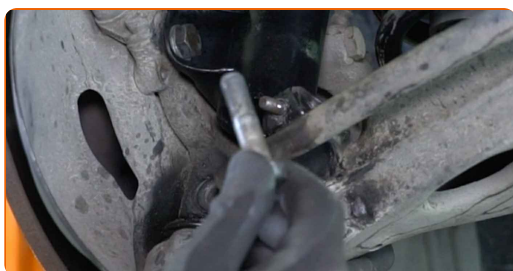
**13** Detach the anti-roll bar from the control arm.



**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.

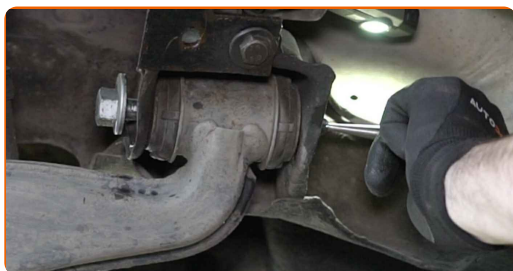


**16** Disconnect the ball joint from the steering knuckle.

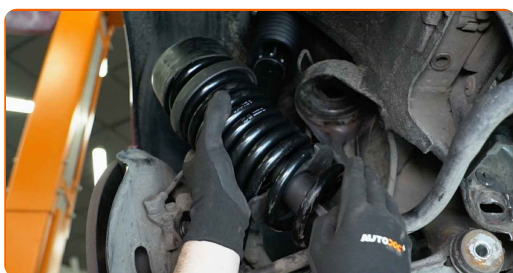




**17** Remove the fastening bolts. Use a pin punch. Use a hammer.



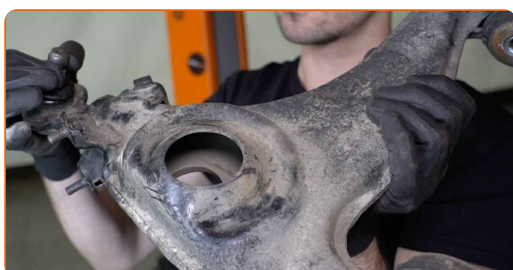
**18** Remove the coil spring together with the coil spring compressor.



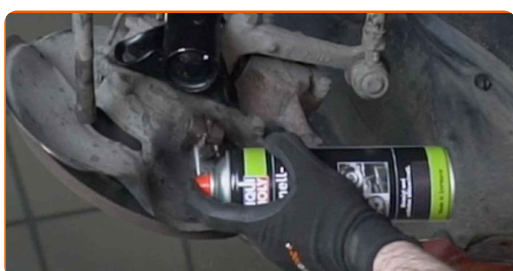
Replacement: front lower arm – MERCEDES-BENZ W124 Coupe (C124). Tip from AUTODOC experts:

- 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.



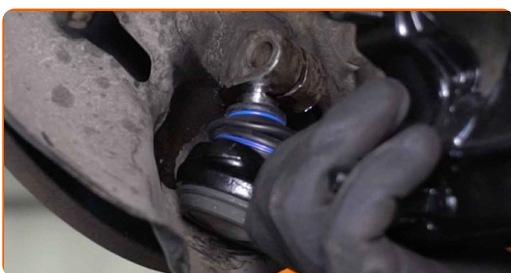
**21** Install the new control arm.



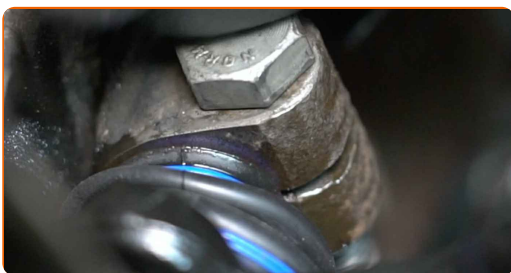
**AUTODOC recommends:**

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

**22** Connect the ball joint to the steering knuckle.



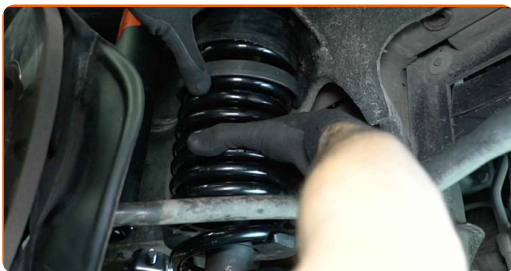
**23** Install the fastening bolt.



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



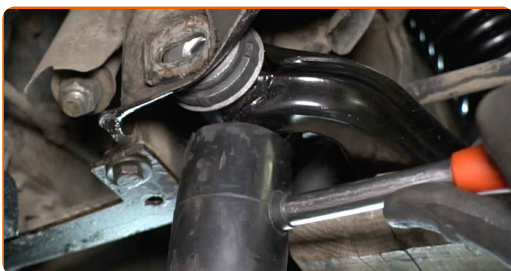
**25** Install the spring together with the compressor.



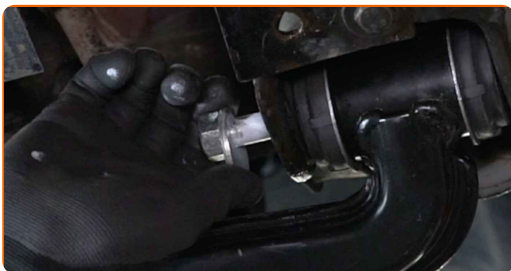
Replacement: front lower arm – MERCEDES-BENZ W124 Coupe (C124). Tip:

- 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.

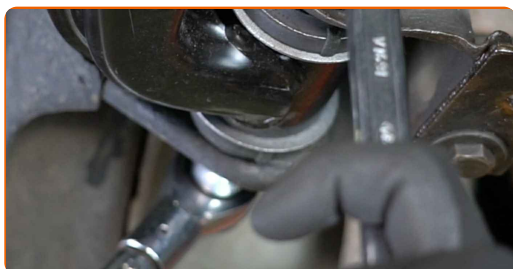


**AUTODOC recommends:**

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

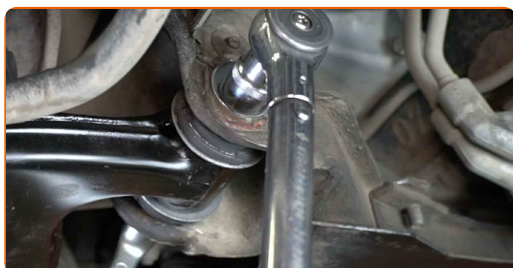
31

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

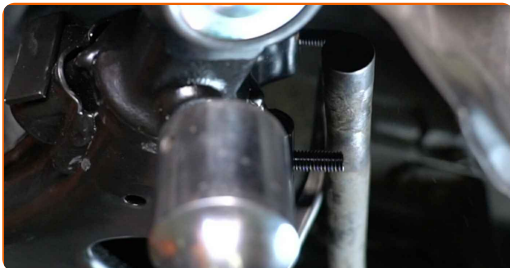
Tighten the front fastener of the arm. Use a combination spanner #22. Use a drive socket #22. Use a torque wrench. Tighten it to 120 Nm torque.



- 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.



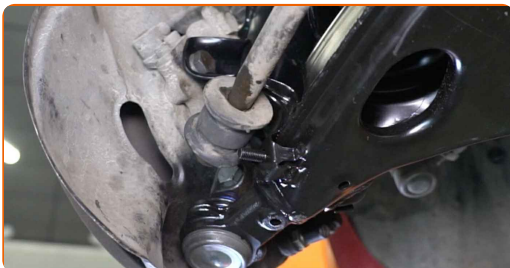
- 34** Remove the support from under the steering knuckle.



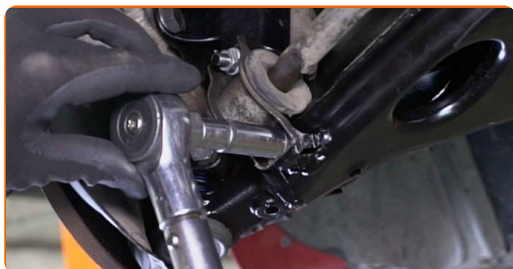
**AUTODOC recommends:**

- MERCEDES-BENZ W124 Coupe (C124) – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

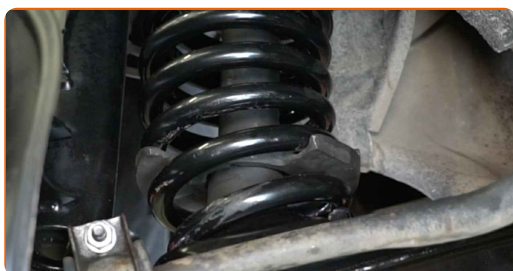
- 35** Connect the anti-roll bar to the control arm. Use a crowbar.



- 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.



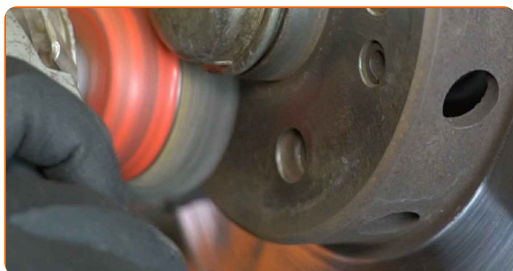
- 37 Decompress the spring.



- 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 W124 Coupe (C124).  
 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.

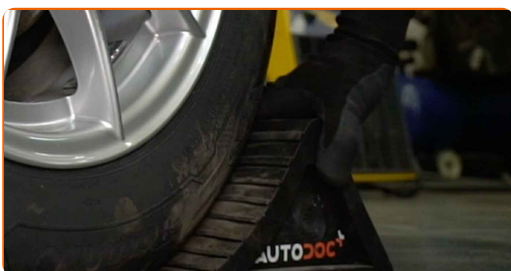




- 43** Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 110 Nm torque.



- 44** Remove the jacks and chocks.



**WELL DONE!** 

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