



How to change front
lower arm on **Mercedes**
W124 – replacement
guide

VIDEO TUTORIAL



 Important!

This replacement procedure can be used for:

MERCEDES-BENZ 190 (W201) E 2.0 (201.024), MERCEDES-BENZ 190 (W201) E 2.0, MERCEDES-BENZ 190 (W201) E 2.3-16, MERCEDES-BENZ 190 (W201) E 2.3-16 (201.034), MERCEDES-BENZ 190 (W201) E 2.3, MERCEDES-BENZ 190 (W201) E 2.3 (201.028), MERCEDES-BENZ 190 (W201) E 2.5-16, MERCEDES-BENZ 190 (W201) E 2.6, MERCEDES-BENZ 190 (W201) Turbo-D 2.5 (201.128), MERCEDES-BENZ 190 (W201) E Evolution II 2.5, MERCEDES-BENZ Saloon (W124) 200 2.0 (124.020), MERCEDES-BENZ Saloon (W124) 200 E 2.0 (124.021), MERCEDES-BENZ Saloon (W124) 230 E 2.3 (124.023), MERCEDES-BENZ Saloon (W124) 260 E 2.6 4-matic (124.226), MERCEDES-BENZ Saloon (W124) 260 E 2.6 (124.026), (+ 83)

The steps may slightly vary depending on the car design.

REPLACEMENT: FRONT LOWER ARM – MERCEDES W124. 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 W124. 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.

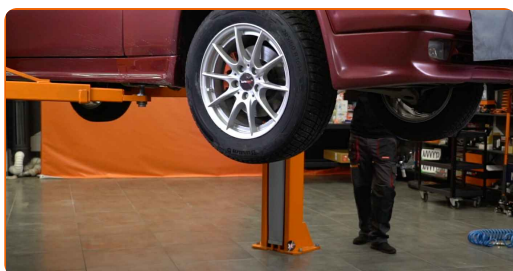
REPLACEMENT: FRONT LOWER ARM – MERCEDES W124. RECOMMENDED SEQUENCE OF STEPS:

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 W124. 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:

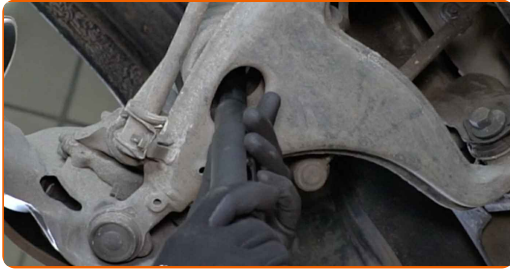
- To avoid injury, hold up the wheel when unscrewing the bolts.

5

Remove the wheel.



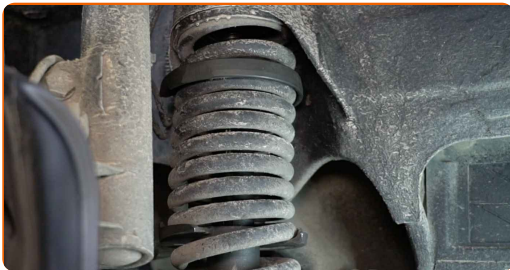
6 Install the coil spring compressor on the coil spring.



Replacement: front lower arm – Mercedes W124. 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.

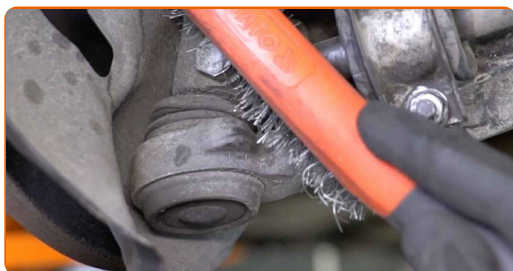
7 Compress the spring.



AUTODOC recommends:

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

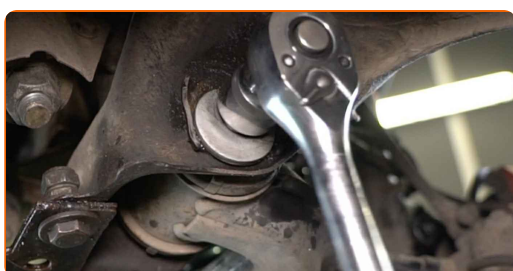
8 Clean all joints of the arm. Use a wire brush. Use WD-40 spray.



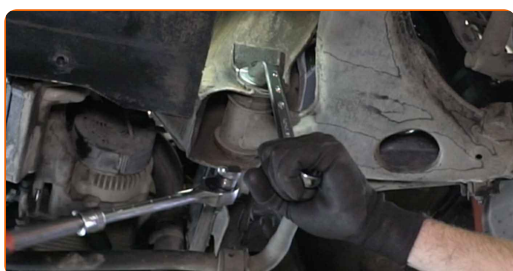
9 Make marks on the camber bolts.



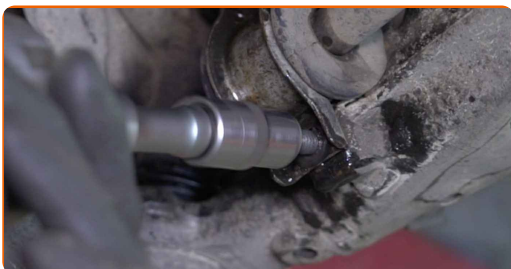
10 Unscrew the rear fastener of the control arm. Use a combination spanner #22. Use a drive socket #22. Use a ratchet wrench.



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



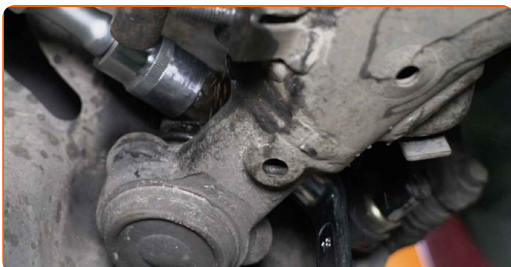
12 Unscrew the fasteners connecting the anti-roll bar bracket to the control arm. Use a drive socket #13. Use a ratchet wrench.



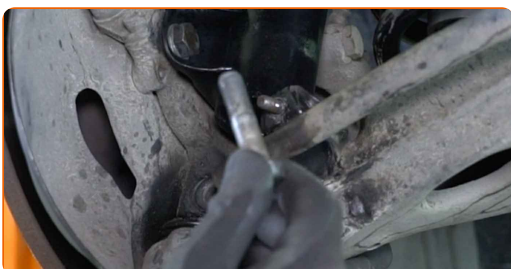
13 Detach the anti-roll bar from the control arm.



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.



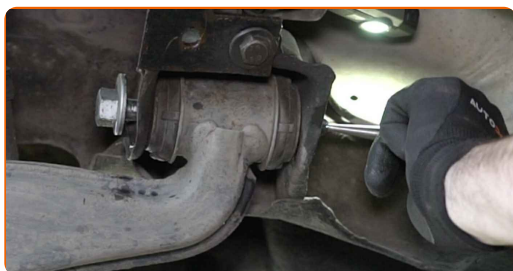
15 Remove the fastening bolt.



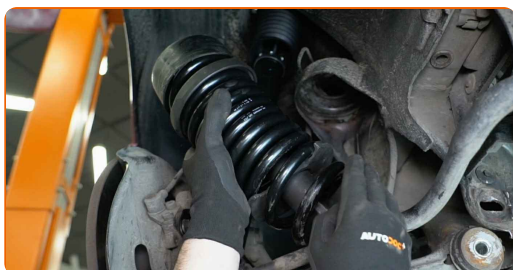
16 Disconnect the ball joint from the steering knuckle.



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 W124. 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.

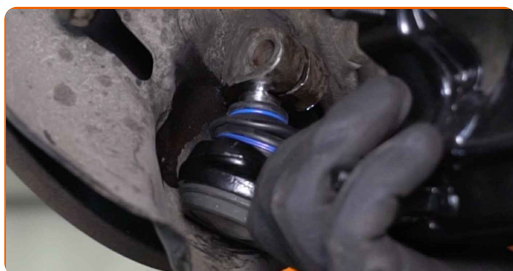


AUTODOC recommends:

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

22

Connect the ball joint to the steering knuckle.



23

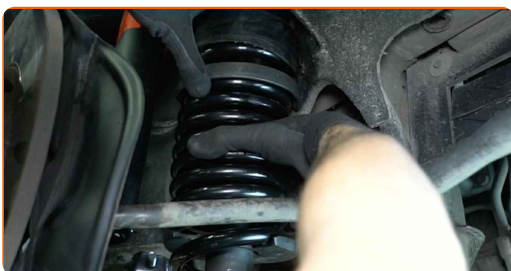
Install the fastening bolt.



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



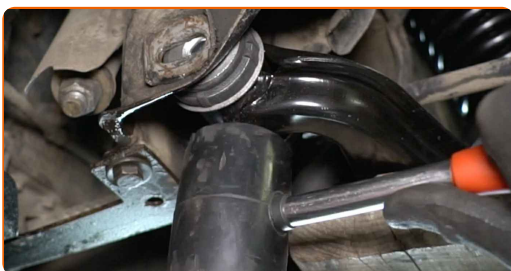
25 Install the spring together with the compressor.



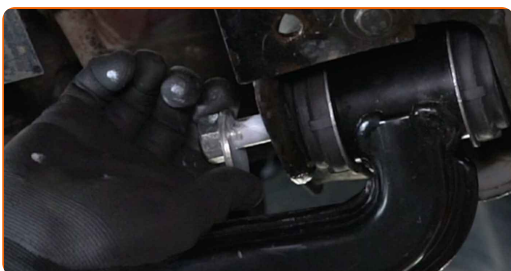
Replacement: front lower arm – Mercedes W124. Tip:

- 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.



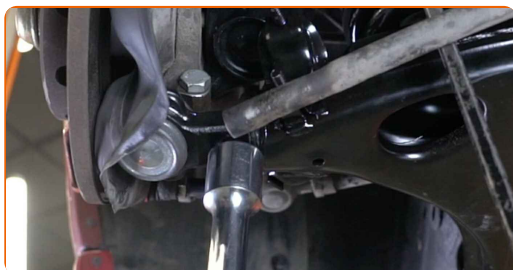
27 Install the fastening bolts. Use a rubber mallet.



28 Remove the support from under the control arm.

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

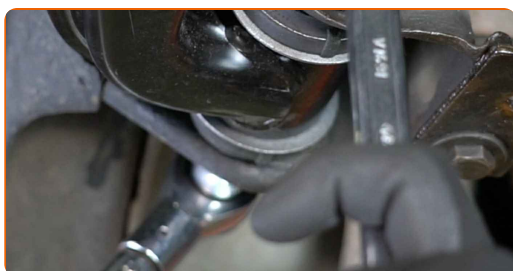
30 Support the steering knuckle. Use a hydraulic transmission jack.



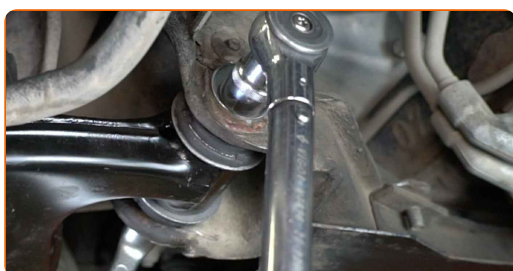
AUTODOC recommends:

- 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.



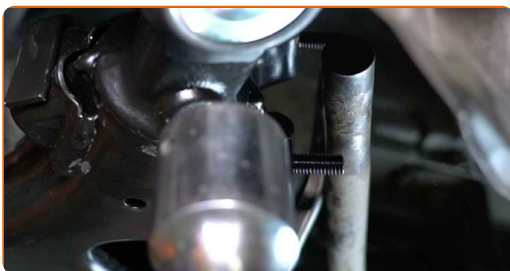
32 Tighten the front fastener of the arm. Use a combination spanner #22. Use a drive socket #22. Use a torque wrench. Tighten it to 120 Nm torque.



- 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.



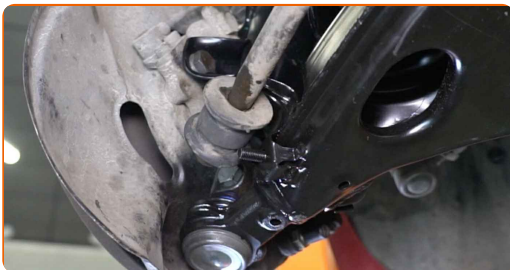
- 34** Remove the support from under the steering knuckle.



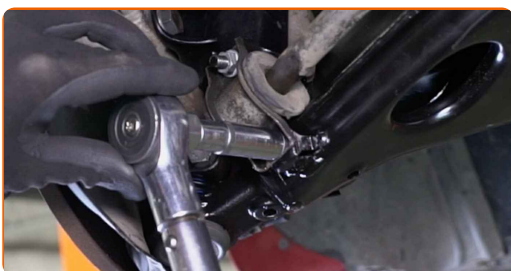
AUTODOC recommends:

- Mercedes W124 – 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 W124. 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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