



How to change rear coil
springs on **Mercedes**
W210 – replacement
guide

VIDEO TUTORIAL



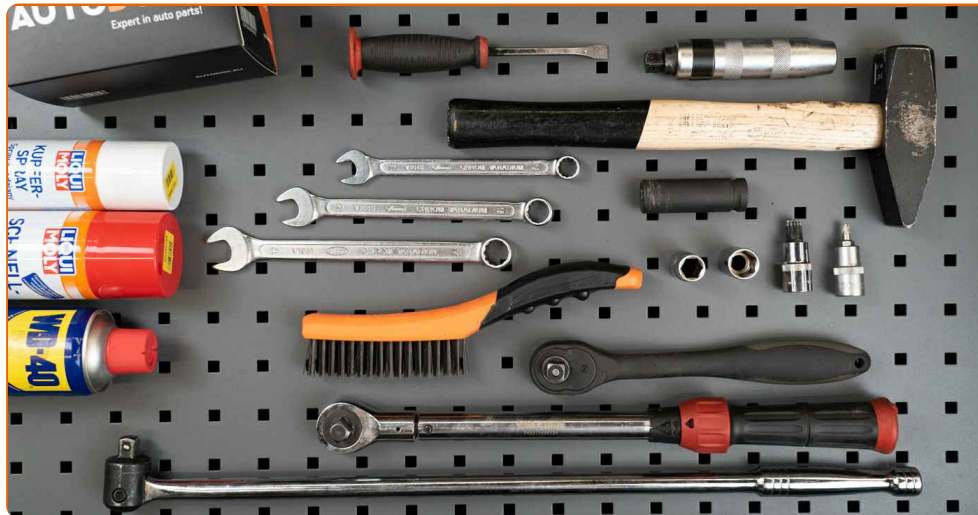
Important!

This replacement procedure can be used for:

MERCEDES-BENZ E-Class Saloon (W210) E 220 D (210.004), MERCEDES-BENZ E-Class Saloon (W210) E 250 D (210.010), MERCEDES-BENZ E-Class Saloon (W210) E 200 (210.035), MERCEDES-BENZ E-Class Saloon (W210) E 230 (210.037), MERCEDES-BENZ E-Class Saloon (W210) E 420 (210.072), 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 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 Saloon (W210) E 270 CDI (210.016), 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 Saloon (W210) E 250 Turbo-D (210.015), MERCEDES-BENZ E-Class T-modell (S210) E 250 T Turbo-D (210.215), (+ 36)

The steps may slightly vary depending on the car design.

REPLACEMENT: COIL SPRINGS – MERCEDES W210.
TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Combination spanner #19
- Drive socket # 10
- Drive socket # 19
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Crow bar
- Strut spring compressor
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

Replacement: coil springs – Mercedes W210. Tip from AUTODOC:

- Both coil springs of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right coil springs of the rear suspension.
- Please note: all work on the car – Mercedes W210 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

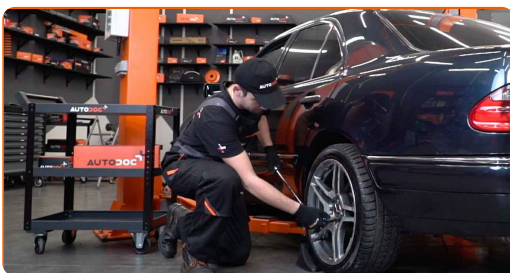
1

Secure the wheels with chocks.



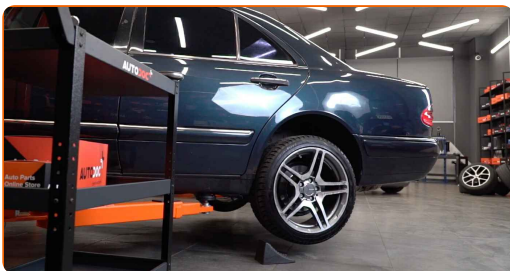
2

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



3

Raise the rear of the car and secure on supports.



4

Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
Mercedes W210

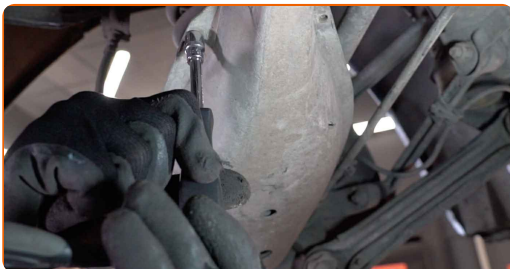
5

Remove the wheel.



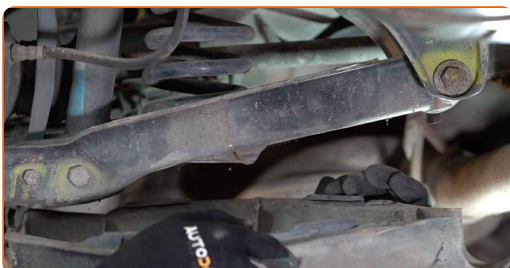
6

Unscrew the fasteners of the control arm cover. Use a drive socket #10. Use a ratchet wrench.



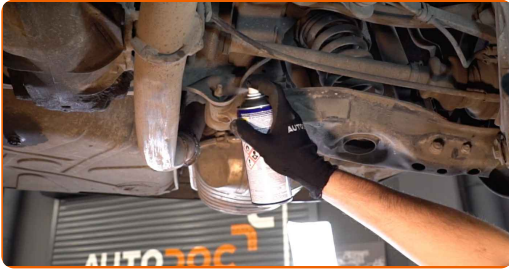
7

Remove the control arm cover.



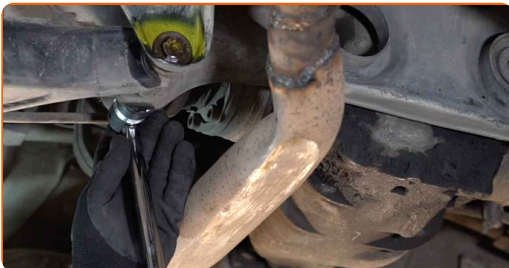
8

Clean the control arm fasteners. Use a wire brush. Use WD-40 spray.



9

Loosen the fastener connecting the control arm to the rear subframe. Use a combination spanner #19. Use a drive socket #19. Use a tap wrench.



10

Support the arm. Use a hydraulic transmission jack.



11

Install the coil spring compressor on the coil spring.



Replacement: coil springs – Mercedes W210. 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.

12

Compress the spring.

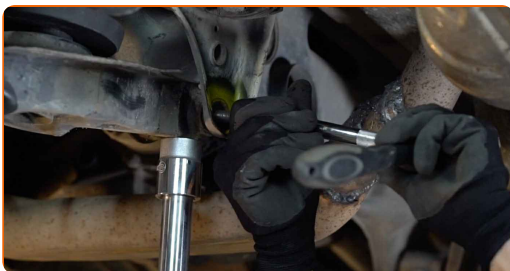


AUTODOC recommends:

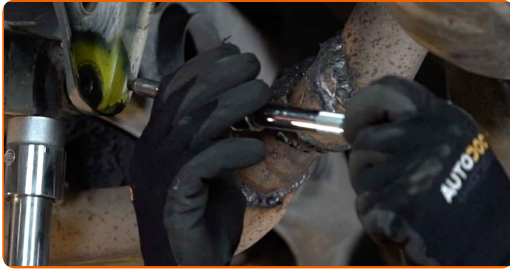
- Compress the coil spring compressor until there is enough room to remove the spring. Do not compress the tool to the full: the spring coils must not touch each other.
- Be careful. The compressed spring is powerful and in case of disrupting ties, straightening, it can cause injury.

13

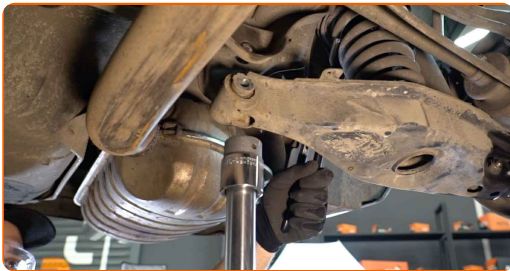
Unscrew the fastener connecting the control arm to the rear subframe. Use a drive socket #19. Use a ratchet wrench.



14 Remove the fastening bolt.



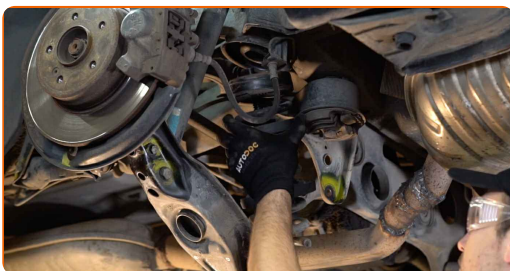
15 Lower the hydraulic transmission jack by 10-15 cm.



AUTODOC recommends:

- Replacement: coil springs – Mercedes W210. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

16 Pull down the suspension control arm. Remove the coil spring together with the coil spring compressor.



Replacement: coil springs – Mercedes W210. Tip from AUTODOC experts:

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

17 Release the coil spring. Remove the spring.



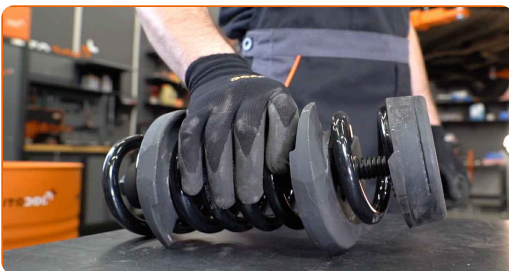
18 Remove the rubber spring spacer.



19 Install the rubber spacer on the new coil spring.



20 Install a new coil spring on the coil spring compressor.

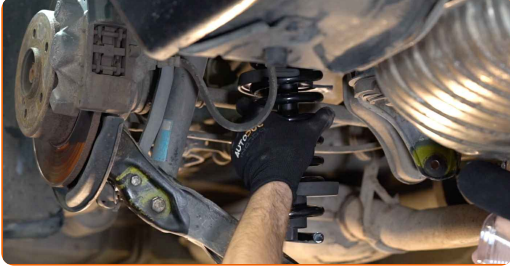


Replacement: coil springs – Mercedes W210. AUTODOC experts recommend:

- Use adapters and jaws of the appropriate size.

21 Compress the spring.

22 Pull down the suspension control arm. Install the spring.



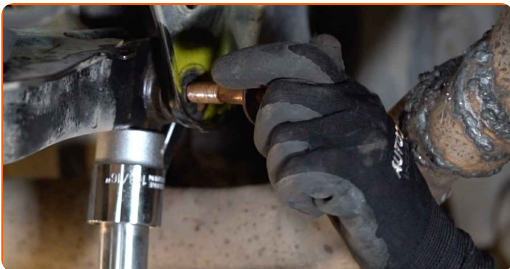
AUTODOC recommends:

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

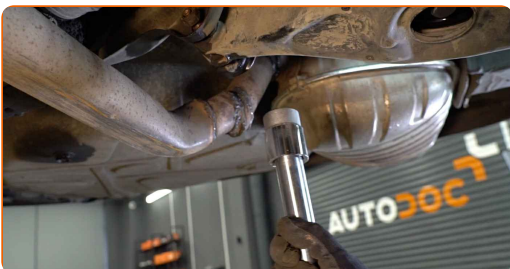
23 Support the arm. Use a hydraulic transmission jack.



24 Install the fastening bolt. Use a crowbar.



25 Remove the support from under the arm.

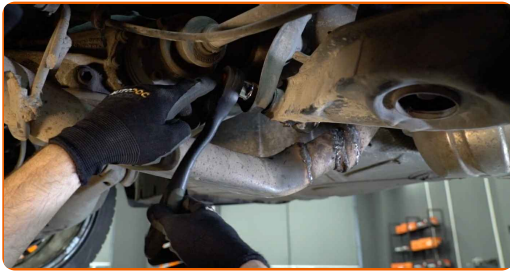


AUTODOC recommends:

- Mercedes W210 – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

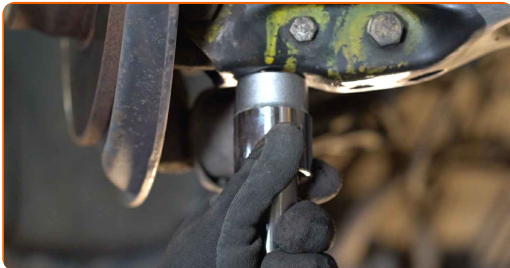
26

Screw in the fastener connecting the control arm to the rear subframe. Use a combination spanner #19. Use a drive socket #19.



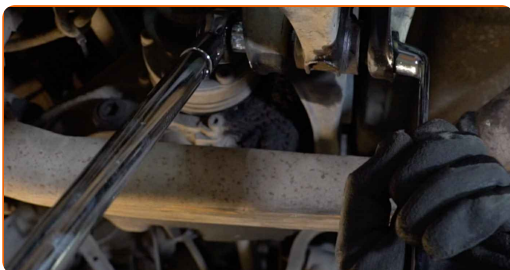
27

Support the arm. Use a hydraulic transmission jack.



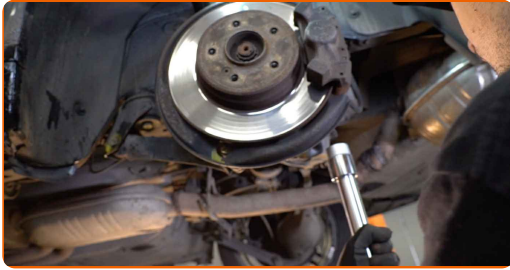
28

Tighten the fastener connecting the control arm to the rear subframe. Use a combination spanner #19. Use a drive socket #19. Use a torque wrench. Tighten it to 90 nm torque.



29

Remove the support from under the arm.



AUTODOC recommends:

- Replacement: coil springs – Mercedes W210. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

30

Remove the coil spring compressor.



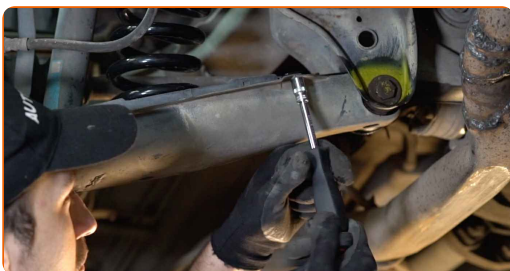
31

Install the control arm cover.



32

Screw in the fasteners of the control arm cover. Use a drive socket #10. Use a ratchet wrench.



33

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



34

Install the wheel.

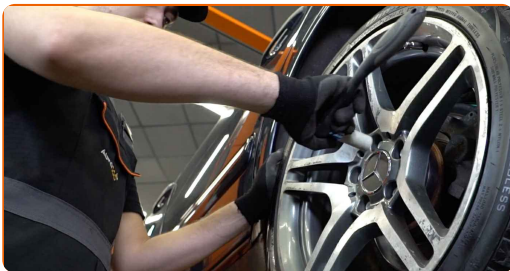


AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Mercedes W210

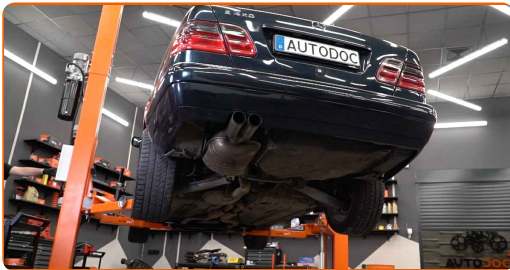
35

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



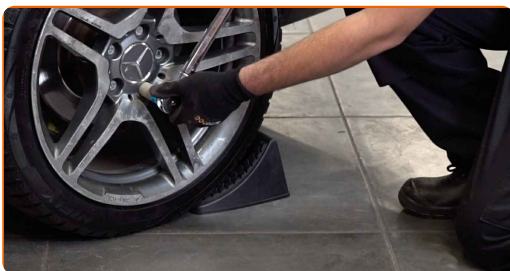
36

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 112 Nm torque.



37

Remove the jacks and chocks.



WELL DONE! 👍

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