



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

## VIDEO TUTORIAL



### **i Important!**

This replacement procedure can be used for:

MERCEDES-BENZ C-Class Saloon (W202) C 220 D (202.121), MERCEDES-BENZ C-Class Saloon (W202) C 250 D (202.125), MERCEDES-BENZ C-Class Saloon (W202) C 180 (202.018), MERCEDES-BENZ C-Class Saloon (W202) C 220 (202.022), MERCEDES-BENZ C-Class Saloon (W202) C 280 (202.028), MERCEDES-BENZ C-Class Saloon (W202) C 200 (202.020), 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 300 D (210.020), MERCEDES-BENZ E-Class Saloon (W210) E 230 (210.037), MERCEDES-BENZ E-Class Saloon (W210) E 320 (210.055), MERCEDES-BENZ C-Class Saloon (W202) C 230 Kompressor (202.024), MERCEDES-BENZ C-Class Saloon (W202) C 200 Kompressor (202.025), MERCEDES-BENZ C-Class Saloon (W202) C 250 Turbo-D (202.128), MERCEDES-BENZ E-Class Saloon (W210) E 290 Turbo-D (210.017), (+ 72)

The steps may slightly vary depending on the car design.

## REPLACEMENT: COIL SPRINGS – MERCEDES W210.

### LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #17
- Drive socket # 17
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Crow bar
- Flat Screwdriver
- Strut spring compressor
- Water pump pliers
- Wheel chock

[BUY TOOLS](#)

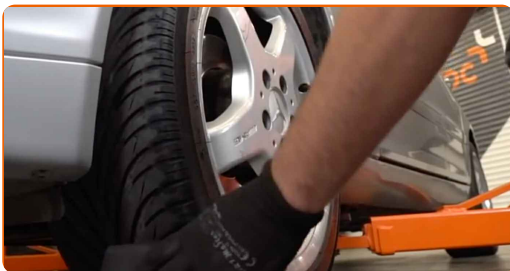
Replacement: coil springs – Mercedes W210. AUTODOC experts recommend:

- Replace both front shock absorbers at a time.
- The replacement procedure is identical for the left and right shock absorbers of the front 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.



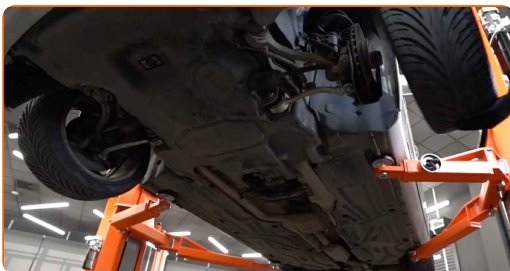
2

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



3

Raise the front 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

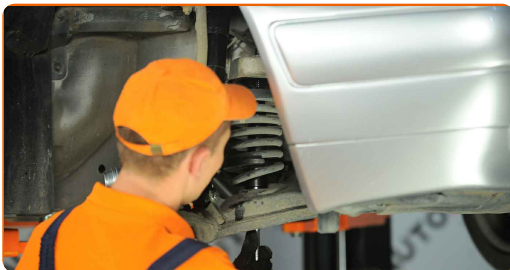
Install the coil spring compressor on the coil spring.



### Replacement: coil springs – Mercedes W210. Tip:

- 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 by turning the lead screw of the coil spring compressor. Use a combination spanner. The wrench size may vary depending on the spring compressor manufacturer.

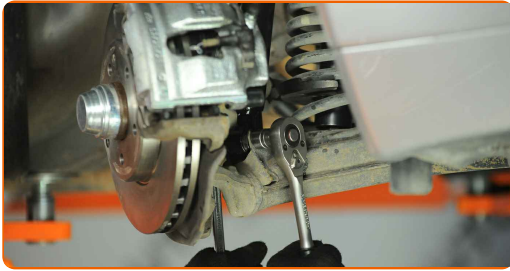


### Replacement: coil springs – Mercedes W210. Tip from AUTODOC experts:

- 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.

- 8 Clean the shock absorber fasteners. Use a wire brush. Use WD-40 spray.

- 9 Unscrew the lower fastener of the shock absorber. Use a combination spanner #17. Use a drive socket #17. Use a ratchet wrench.

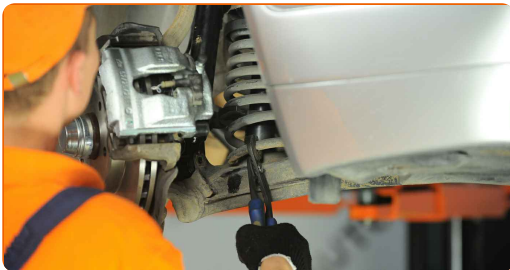


- 10 Detach the lower part of the shock absorber.

- 11 Pull down the suspension control arm. Use a crowbar.



- 12 Remove the coil spring together with the coil spring compressor. Use water pump pliers.



Replacement: coil springs – Mercedes W210. AUTODOC recommends:

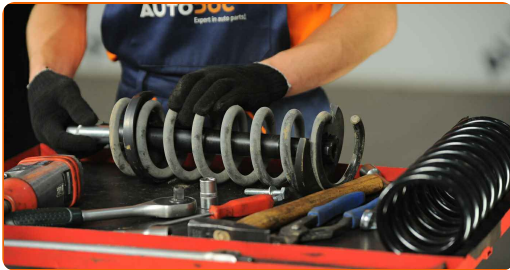
- While the spring is compressed, do not do any operations on it.

- 13 Secure the coil spring compressor on a work bench.



- 14 Decompress the spring.

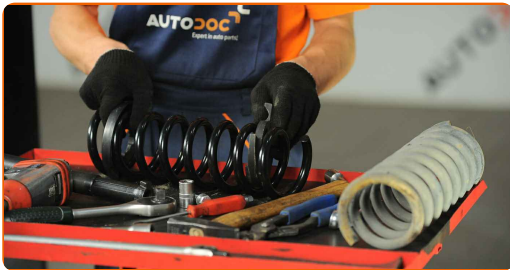
- 15 Take out the spring.



- 16 Clean the coil spring mounting seats.

- 17 Inspect the rubber mounts of the suspension spring. Replace if necessary.

- 18 Install a new coil spring on the coil spring compressor.

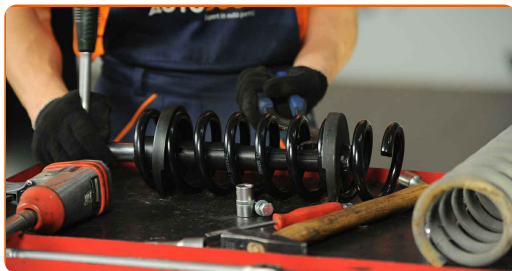


Replacement: coil springs – Mercedes W210. AUTODOC experts recommend:

- Use adapters and jaws of the appropriate size.

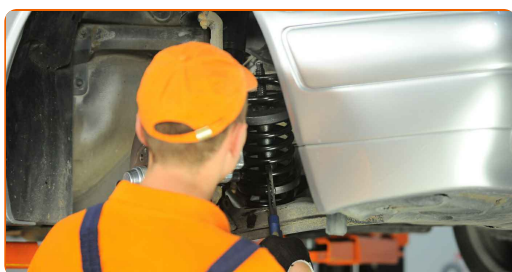


**19** Compress the spring.

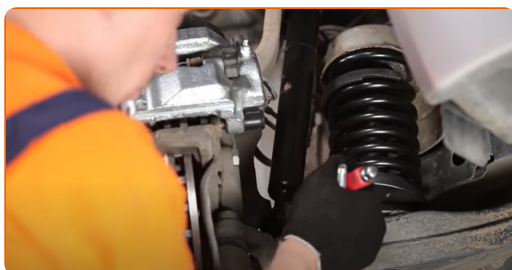


**20** Pull down the suspension control arm. Use a crowbar.

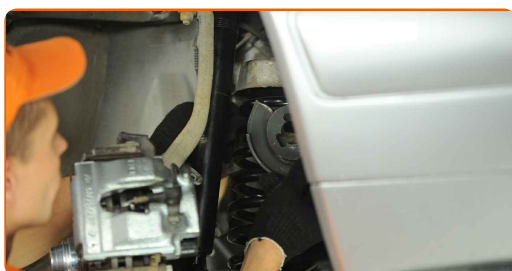
**21** Install the coil spring together with the rubber mounts into the mounting seats. Use water pump pliers.



**22** Attach the lower part of the shock absorber. Use a flat screwdriver.



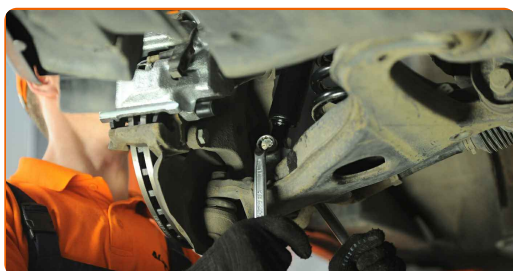
**23** Release the coil spring by turning the lead screw of the coil spring compressor.



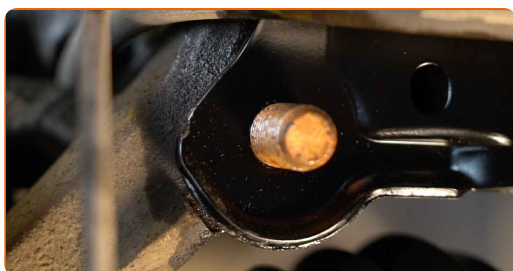
- 24 Remove the coil spring compressor.



- 25 Tighten the lower fastener of the shock absorber. Use a combination spanner #17. Use a drive socket #17. Use a torque wrench. Tighten it to 55 Nm torque.



- 26 Treat the shock absorber fasteners. Use copper grease.



- 27 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



- 28 Clean the brake disk surface. Use a brake cleaner.



### AUTODOC recommends:

- Replacement: coil springs – Mercedes W210. After applying the spray, wait a few minutes.

29

Install the wheel.



### AUTODOC recommends:

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

30

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



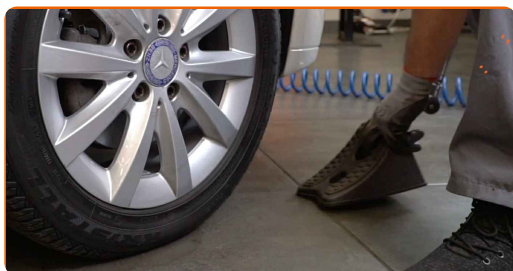
31

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.



32

Remove the jacks and chocks.



**WELL DONE!** 

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