



How to change front coil
springs on **MERCEDES-
BENZ E-Class T-modell
(S210)** – 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:

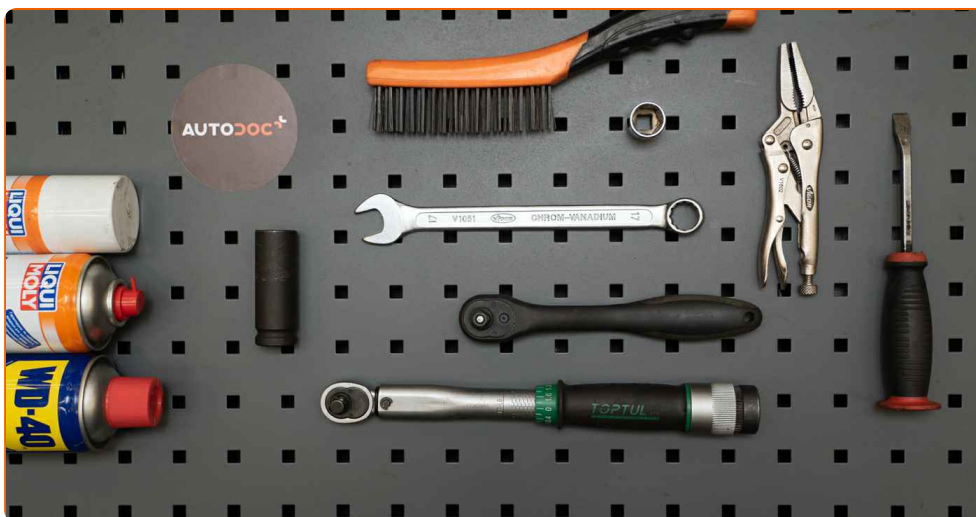
MERCEDES-BENZ E-Class T-modell (S210) E 200 T (210.235), MERCEDES-BENZ E-Class T-modell (S210) E 230 T (210.237), MERCEDES-BENZ E-Class T-modell (S210) E 420 T (210.272), MERCEDES-BENZ E-Class T-modell (S210) E 290 T Turbo-D (210.217), MERCEDES-BENZ E-Class T-modell (S210) E 250 T D (210.210), MERCEDES-BENZ E-Class T-modell (S210) E 270 T CDI, MERCEDES-BENZ E-Class 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 T-modell (S210) E 250 T Turbo-D (210.215), MERCEDES-BENZ E-Class T-modell (S210) E 280 T (210.263), MERCEDES-BENZ E-Class T-modell (S210) E 240 T (210.261), MERCEDES-BENZ E-Class T-modell (S210) E 430 T (210.270), MERCEDES-BENZ E-Class T-modell (S210) E 200 T Kompressor (210.245), MERCEDES-BENZ E-Class T-modell (S210) E 55 T AMG (210.274), MERCEDES-BENZ E-Class T-modell (S210) E 220 T CDI (210.206), (+ 4)

The steps may slightly vary depending on the car design.

Please note that this tutorial was created based on the replacement procedure for this car part on a car with a similar design.

This tutorial was created based on the replacement procedure for a similar car part on: MERCEDES-BENZ E-Class Saloon (W210) E 200 (210.035)

REPLACEMENT: COIL SPRINGS – MERCEDES-BENZ E-CLASS T-MODELL (S210). 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-BENZ E-Class T-modell (S210).
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-BENZ E-Class T-modell (S210) – 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-BENZ E-Class T-modell (S210)

5

Remove the wheel.



6

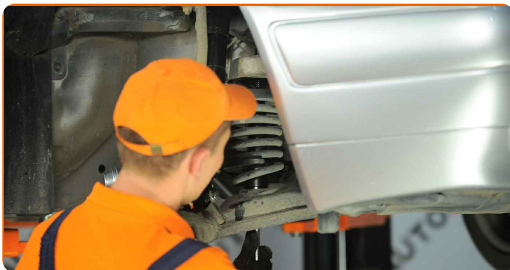
Install the coil spring compressor on the coil spring.



Replacement: coil springs – MERCEDES-BENZ E-Class T-modell (S210). 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-BENZ E-Class T-modell (S210). 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.

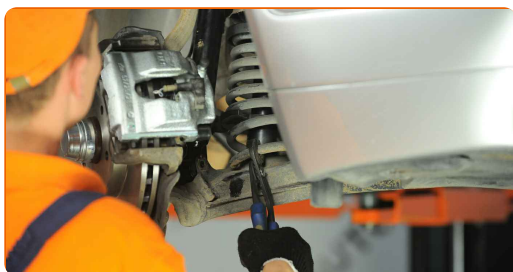


- 10** Detach the lower part of the shock absorber.

- 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-BENZ E-Class T-modell (S210).
AUTODOC recommends:

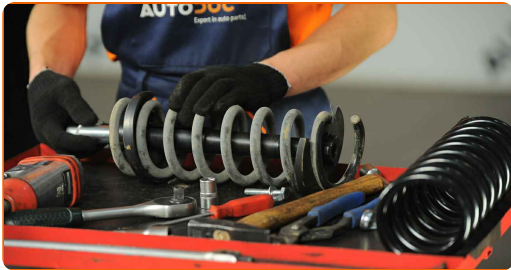
- While the spring is compressed, do not do any operations on it.

13 Secure the coil spring compressor on a work bench.



14 Decompress the spring.

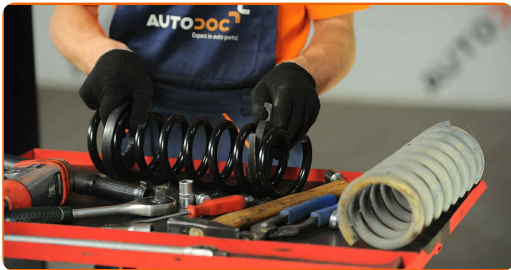
15 Take out the spring.



16 Clean the coil spring mounting seats.

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

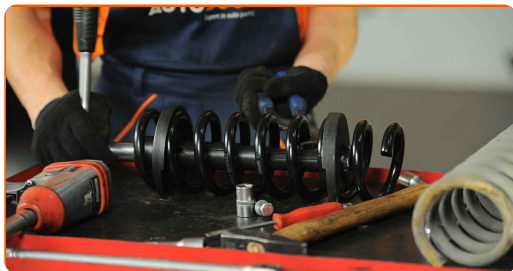
18 Install a new coil spring on the coil spring compressor.



Replacement: coil springs – MERCEDES-BENZ E-Class T-modell (S210).
 AUTODOC experts recommend:

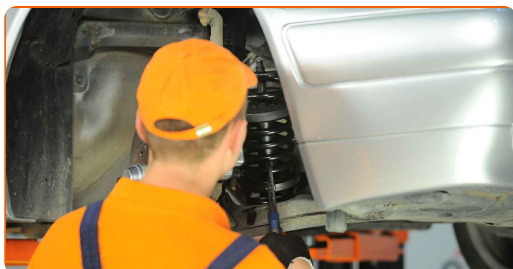
- Use adapters and jaws of the appropriate size.

19 Compress the spring.

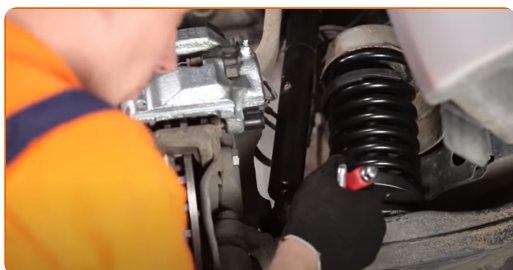


20 Pull down the suspension control arm. Use a crowbar.

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.



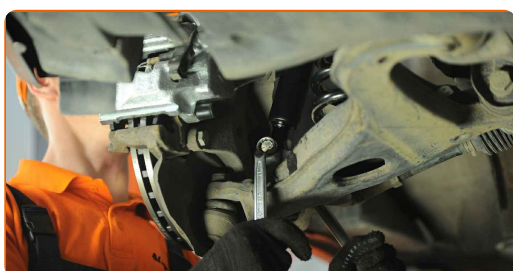
23 Release the coil spring by turning the lead screw of the coil spring compressor.



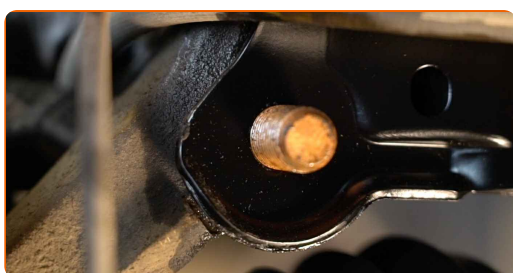
24 Remove the coil spring compressor.



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-BENZ E-Class T-modell (S210). 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-BENZ E-Class T-modell (S210)

30

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



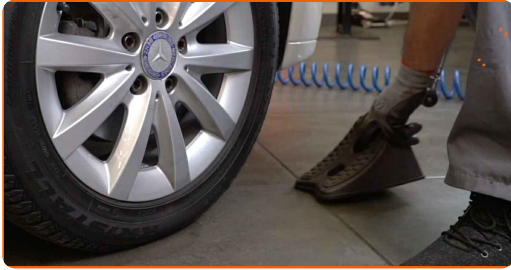
31

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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COIL SPRINGS: A WIDE SELECTION

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