



How to change front coil  
springs on **MERCEDES-  
BENZ SLK (R170)** –  
replacement guide

## SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

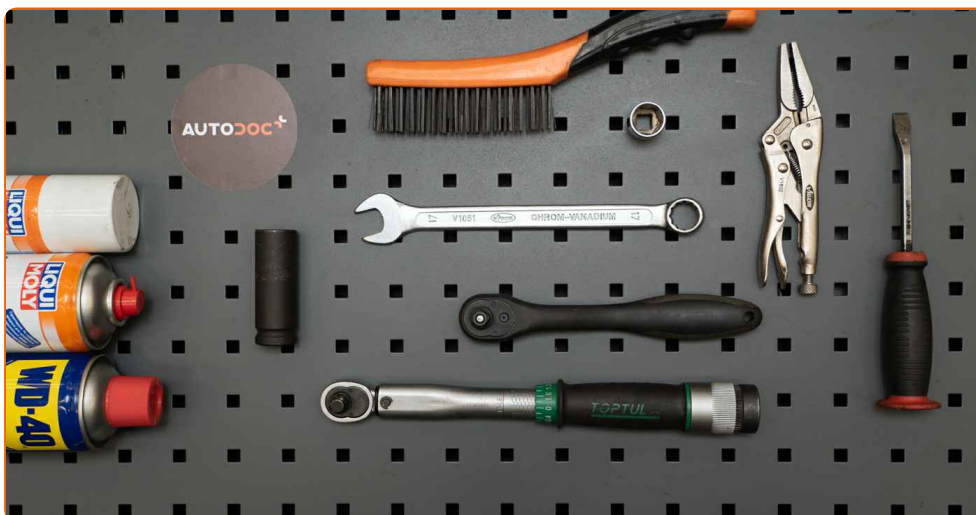
### Important!

This replacement procedure can be used for:  
MERCEDES-BENZ SLK (R170) 320 3.2 (170.465), MERCEDES-BENZ SLK (R170) 32  
AMG 3.2 Kompressor (170.466)

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 (W210) E 200 (210.035)

**REPLACEMENT: COIL SPRINGS – MERCEDES-BENZ SLK (R170). 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 SLK (R170). 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 SLK (R170) – 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 SLK (R170)

**5** Remove the wheel.



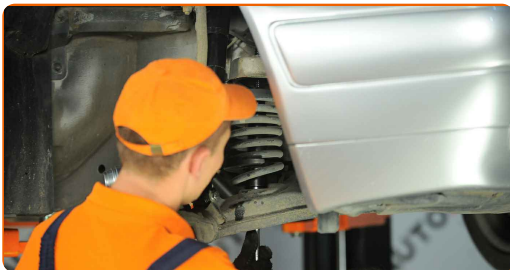
**6** Install the coil spring compressor on the coil spring.



Replacement: coil springs – MERCEDES-BENZ SLK (R170). 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.

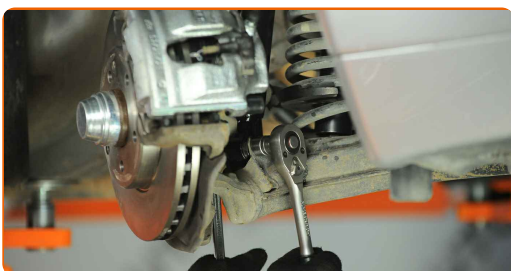


Replacement: coil springs – MERCEDES-BENZ SLK (R170). Tip from AUTODOC experts:

- 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.

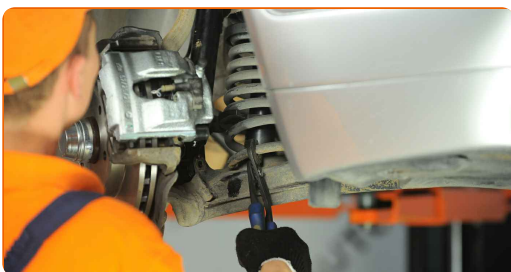


- 10** Detach the lower part of the shock absorber.

- 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 SLK (R170). AUTODOC recommends:

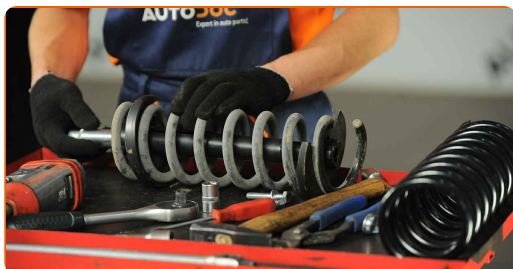
- While the spring is compressed, do not do any operations on it.

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



**14** Decompress the spring.

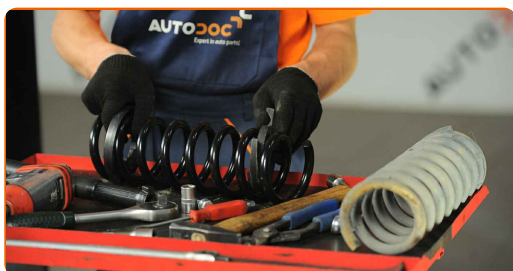
**15** Take out the spring.



**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.

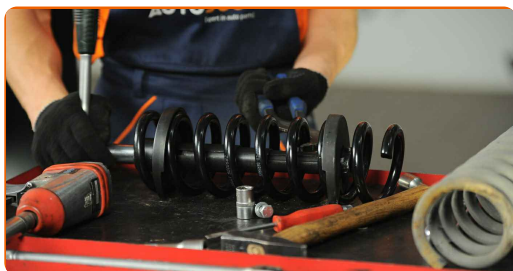


Replacement: coil springs – MERCEDES-BENZ SLK (R170). AUTODOC experts recommend:

- Use adapters and jaws of the appropriate size.

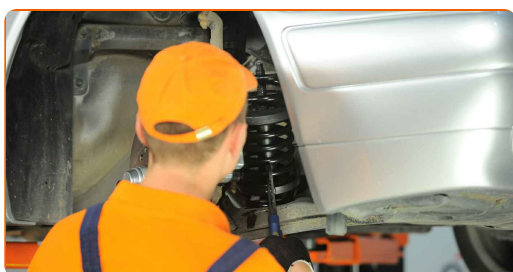


**19** Compress the spring.

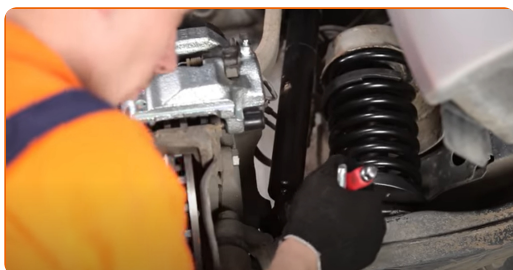


**20** Pull down the suspension control arm. Use a crowbar.

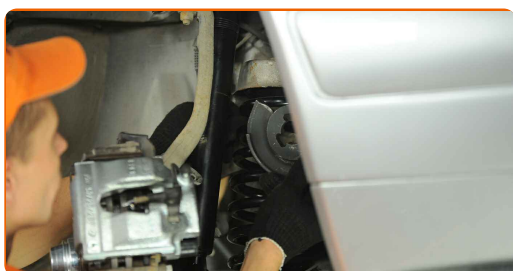
**21** Install the coil spring together with the rubber mounts into the mounting seats. Use water pump pliers.



**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 SLK (R170). 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 SLK (R170)

**30**

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



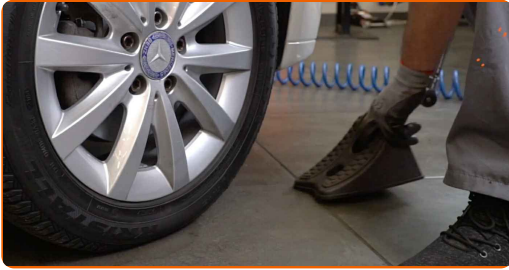
**31**

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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