



How to change rear coil  
springs on **Abarth 595** –  
replacement guide

## VIDEO TUTORIAL



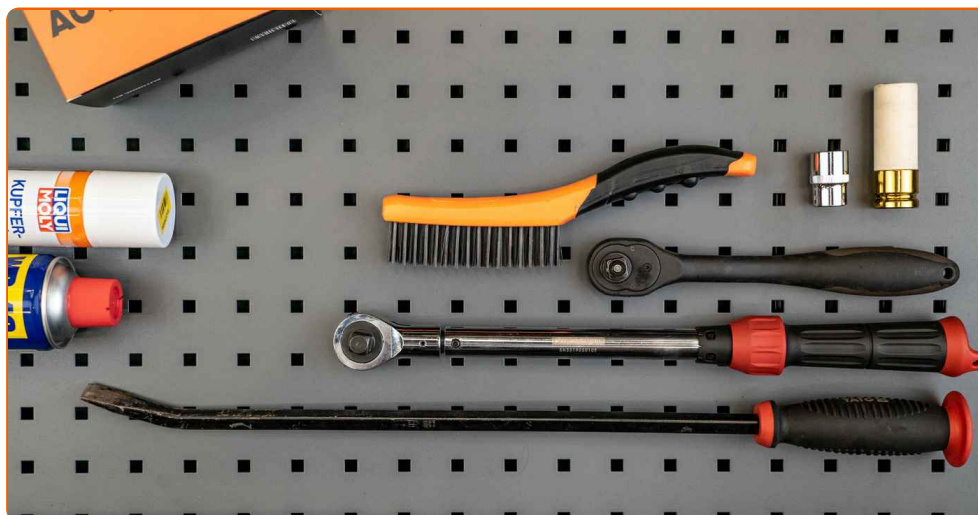
### ⓘ Important!

This replacement procedure can be used for:

ABARTH 500 / 595 / 695 Hatchback (312) 1.4 (312.AXD1A), ABARTH 500 / 595 / 695 Hatchback (312) 1.4 (312.AXF11, 312.AXF1A, 312.AXD1A)

The steps may slightly vary depending on the car design.

## REPLACEMENT: COIL SPRINGS – ABARTH 595. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Drive socket # 19
- Ratchet wrench
- Torque wrench
- Wheel impact socket #19
- Crow bar
- Hydraulic transmission jack
- Wheel chock

**BUY TOOLS**

Replacement: coil springs – Abarth 595. AUTODOC experts recommend:

- 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.
- All work should be done with the engine stopped.

## REPLACEMENT: COIL SPRINGS – ABARTH 595. TAKE THE FOLLOWING STEPS:

1

Secure the wheels with chocks.



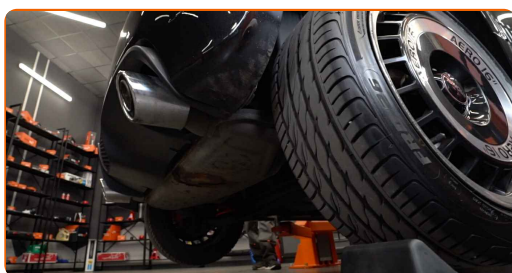
2

Loosen the wheel mounting bolts. Use wheel impact socket #19.



3

Raise the rear of the car and secure on supports.



4 Unscrew the wheel bolts.



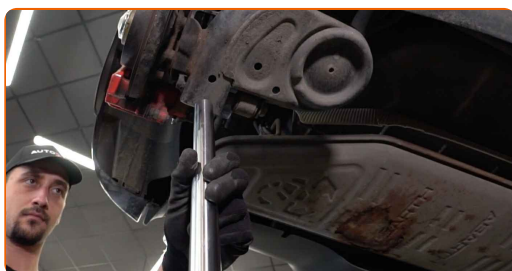
### AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.  
Abarth 595

5 Remove the wheel.



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



7 Support the arm. Use a hydraulic transmission jack.



- 8 Unscrew the lower fastener of the shock absorber. Use a drive socket #19. Use a ratchet wrench. Use a tap wrench.



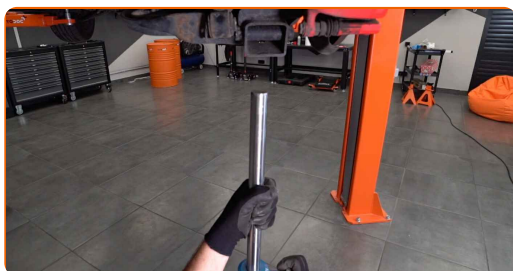
### AUTODOC recommends:

- Important! Hold the shock absorber while unscrewing the fastening bolts. Abarth 595

- 9 Detach the lower part of the shock absorber. Use a crowbar.



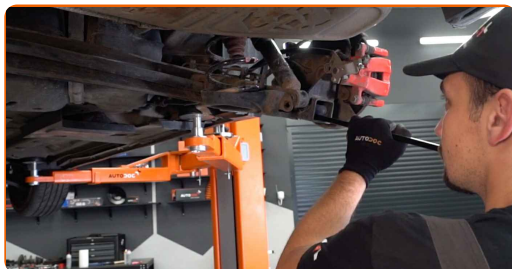
- 10 Remove the support from under the rear arm.



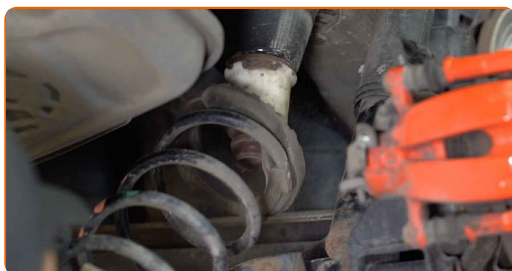
### AUTODOC recommends:

- Replacement: coil springs – Abarth 595. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

- 11.1** Pull down the rear suspension beam.



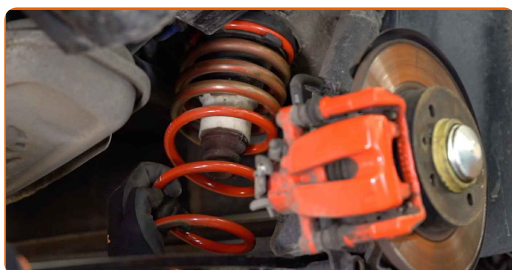
- 11.2** Use a crowbar. Take out the spring.



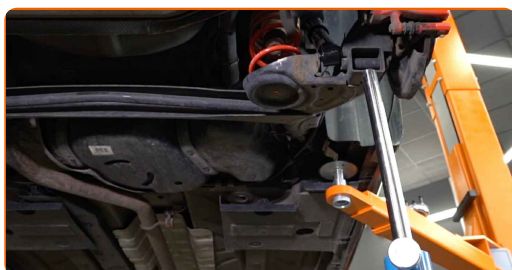
- 12** Clean the coil spring mounting seats.

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

- 14** Install the coil spring together with the rubber mounts into the mounting seats. Use a crowbar.



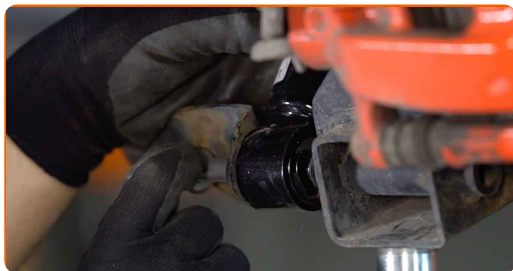
- 15** Support the arm. Use a hydraulic transmission jack.





16

Place the shock absorber in the wheel arch and secure it.



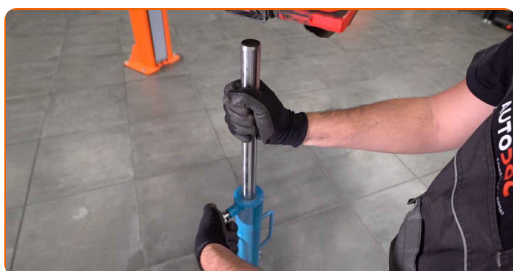
17

Tighten the lower fastener of the shock absorber. Use a drive socket #19. Use a torque wrench. Tighten it to 85 Nm torque.



18

Remove the support from under the rear arm.



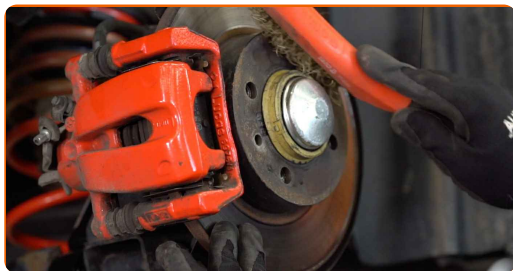
### AUTODOC recommends:

- Replacement: coil springs – Abarth 595. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.



19

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



20

Install the wheel.



### AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Abarth 595

21

Screw in the wheel bolts. Use wheel impact socket #19.



**22**

Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 110 Nm torque.


**23**

Remove the jacks and chocks.



**WELL DONE!** 

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