



How to change rear coil
springs on **Citroen C3 1** –
replacement guide

VIDEO TUTORIAL

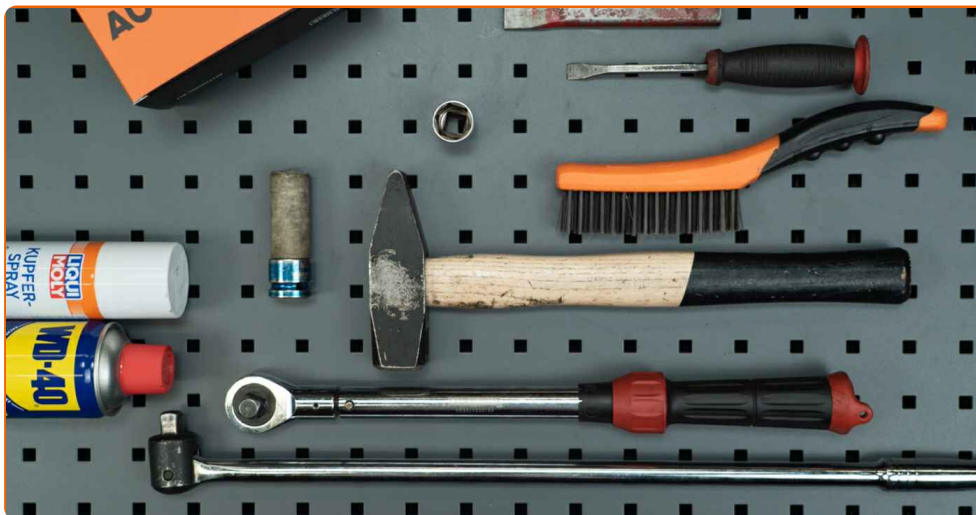
** Important!**

This replacement procedure can be used for:

CITROËN C3 I Hatchback (FC_, FN_) 1.4 HDi, CITROËN C3 I Hatchback (FC_, FN_) 1.1 i, CITROËN C3 I Hatchback (FC_, FN_) 1.4 i Bivalent, CITROËN C3 I Hatchback (FC_, FN_) 1.6 16V, CITROËN C3 I Hatchback (FC_, FN_) 1.4 16V HDi, CITROËN C3 I Hatchback (FC_, FN_) 1.4 16V, CITROËN C3 I Hatchback (FC_, FN_) 1.6 16V HDi

The steps may slightly vary depending on the car design.

REPLACEMENT: COIL SPRINGS – CITROEN C3 1. TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Drive socket # 21
- Wheel impact socket #17
- Torque wrench
- Flat chisel
- Hammer
- Crow bar
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

Replacement: coil springs – Citroen C3 1. 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 – Citroen C3 1 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1

Secure the wheels with chocks.



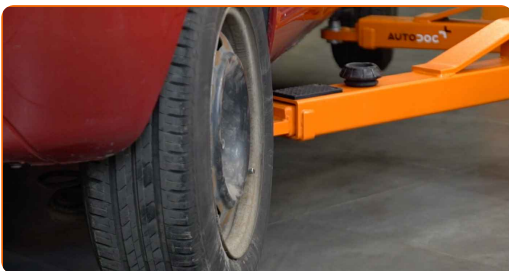
2

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



3

Raise the rear of the car and secure on supports.



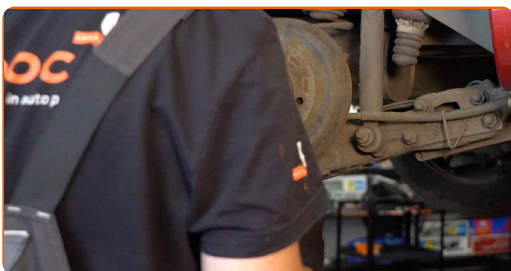
4 Unscrew the wheel bolts.



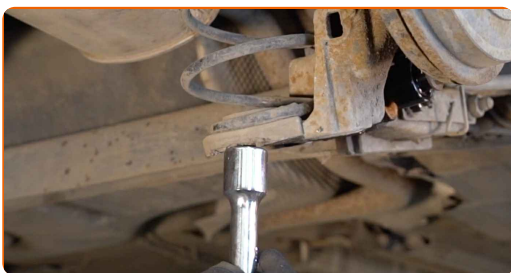
AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. Citroen C3 1

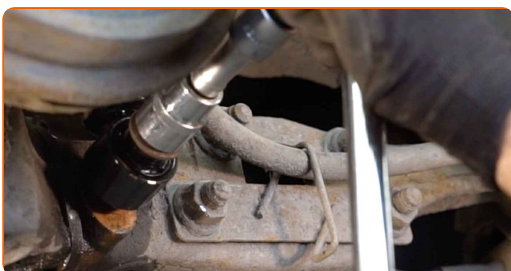
5 Remove the wheel.



6 Support the rear suspension beam. Use a hydraulic transmission jack.

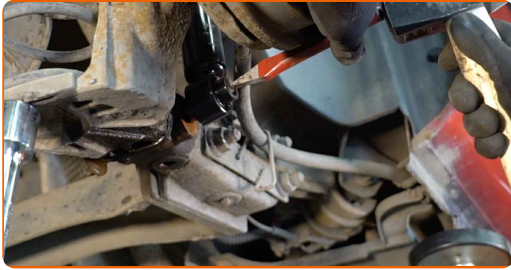


7 Unscrew the lower fastener of the shock absorber. Use a drive socket #21.



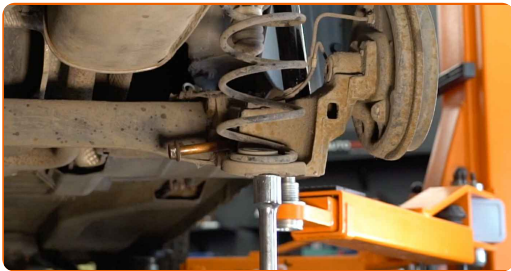
8

Remove the fastening bolt. Use a flat metal-working chisel. Use a hammer.



9

Remove the mounting from under the rear axle beam.

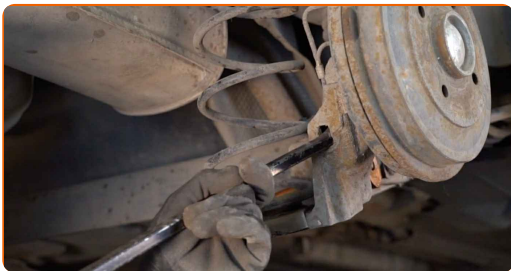


AUTODOC recommends:

- Replacement: coil springs – Citroen C3 1. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

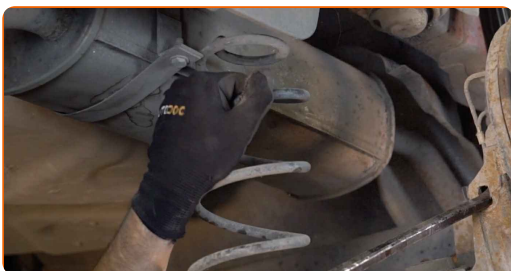
10

Pull down the rear suspension beam. Use a crowbar.

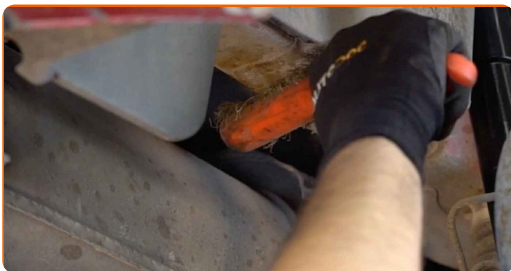


11

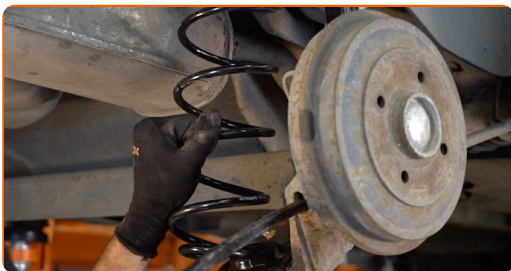
Take out the spring.



12 Clean the coil spring mounting seats. Use a wire brush. Use WD-40 spray.



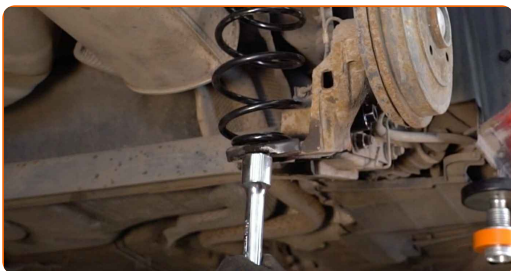
13 Pull down the rear suspension beam. Use a crowbar.



14 Install the coil spring together with the rubber mounts into the mounting seats.



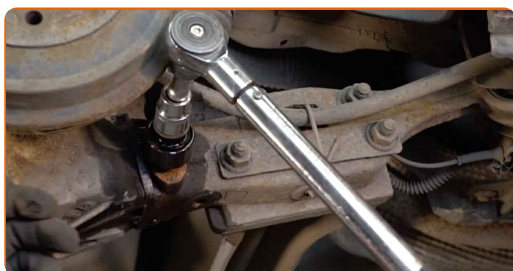
15 Support the rear suspension beam. Use a hydraulic transmission jack.



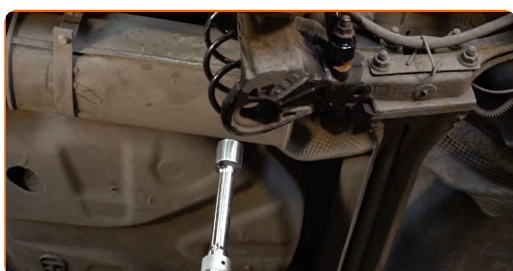
16 Install the fastening bolt.



- 17** Tighten the lower fastener of the shock absorber. Use a drive socket #21. Use a torque wrench. Tighten it to 93 Nm torque.



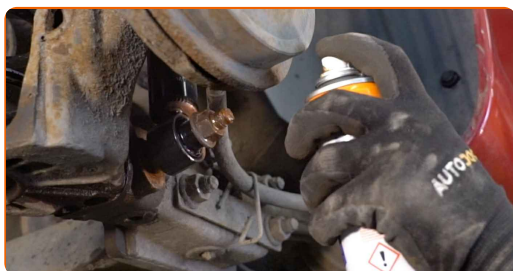
- 18** Remove the mounting from under the rear axle beam.



AUTODOC recommends:

- Replacement: coil springs – Citroen C3 1. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

- 19** Treat the shock absorber fasteners. Use copper grease.



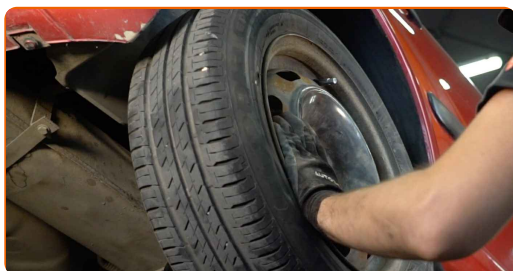
20

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



21

Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
Citroen C3 1

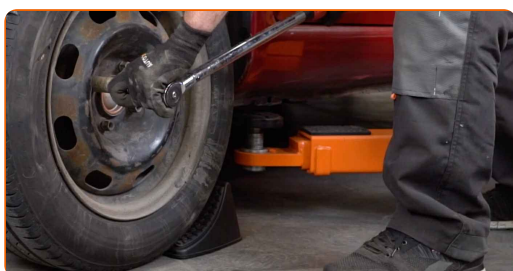
22

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



23

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 90 nm torque.



24

Remove the jacks and chocks.



WELL DONE! 

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