



How to change rear  
shock absorbers on  
**Citroen C3 1** –  
replacement guide

## VIDEO TUTORIAL



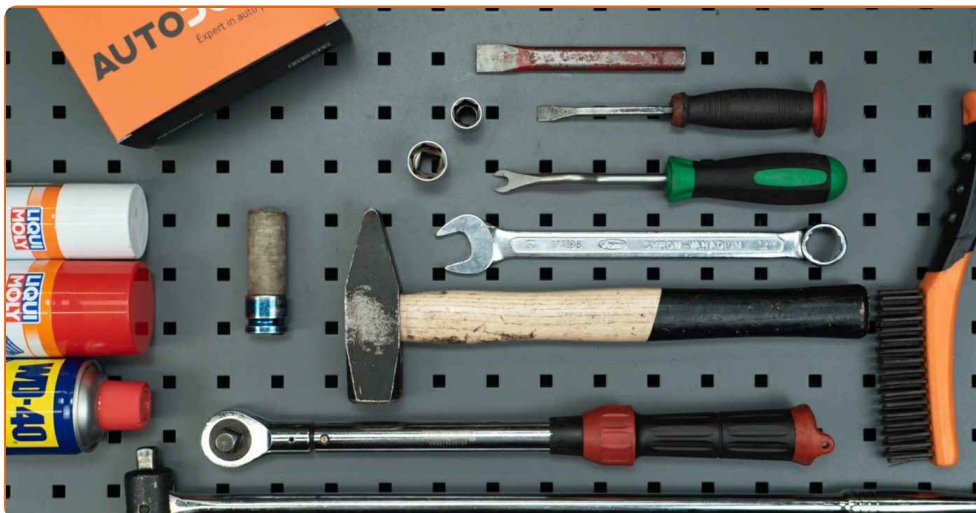
### Important!

This replacement procedure can be used for:

CITROËN C3 I Hatchback (FC\_, FN\_) 1.6 16V, 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\_) 1.4 16V HDi, CITROËN C3 Pluriel (HB\_) 1.6, CITROËN C3 Pluriel (HB\_) 1.4, CITROËN C2 Hatchback (JM) 1.1, CITROËN C2 Hatchback (JM) 1.4, CITROËN C2 Hatchback (JM) 1.4 HDi, CITROËN C3 I Hatchback (FC\_, FN\_) 1.4 16V, CITROËN C3 Pluriel (HB\_) 1.4 HDi, CITROËN C3 I Hatchback (FC\_, FN\_) 1.6 16V HDi, CITROËN C2 Hatchback (JM) 1.4 16V, CITROËN C2 Enterprise (JG\_) 1.4 HDi

The steps may slightly vary depending on the car design.

REPLACEMENT: SHOCK ABSORBERS – CITROEN C3 1.  
 TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Combination spanner #21
- Drive socket # 16
- Drive socket # 21
- Wheel impact socket #17
- Torque wrench
- Flat chisel
- Hammer
- Clip removal tool
- Tap wrench
- Hydraulic transmission jack
- Wheel chock

**BUY TOOLS**

Replacement: shock absorbers – Citroen C3 1. Professionals recommend:

- Both shock absorbers of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock absorbers of the rear suspension.
- All work should be done with the engine stopped.

**REPLACEMENT: SHOCK ABSORBERS – CITROEN C3 1. TAKE THE FOLLOWING STEPS:**

1

Secure the wheels with chocks.



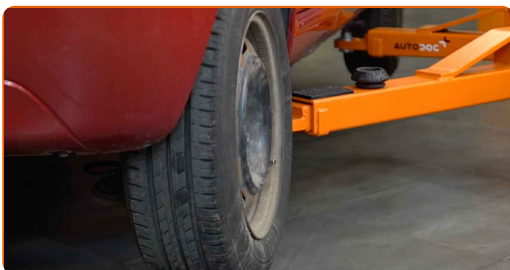
2

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.

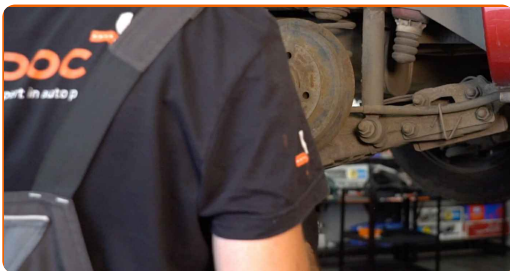


**AUTODOC recommends:**

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

5

Remove the wheel.



6

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



7

Loosen the lower fastener of the shock absorber. Use a drive socket #21. Use a tap wrench.



8

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



9

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



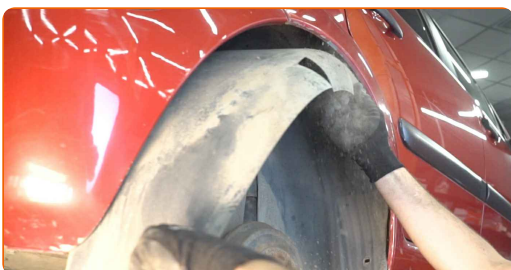
10

Remove the plastic clips of the wheel arch liner. Use a clip removal tool.



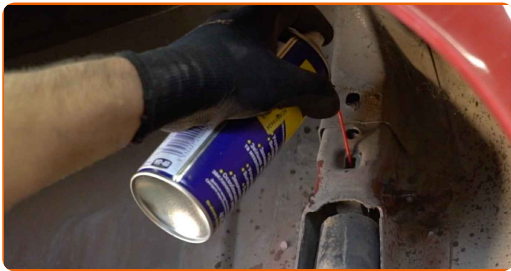
11

Remove the wheel arch cover.



**12**

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



**13**

Unscrew the upper fastener of the shock absorber. Use a drive socket #16. Use a tap wrench.

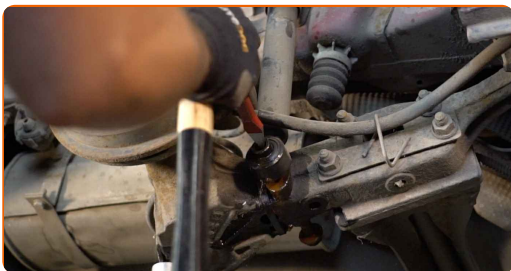


Replacement: shock absorbers – Citroen C3 1. AUTODOC recommends:

- To avoid injuries, hold the shock absorber when undoing the fastening bolts.

**14**

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

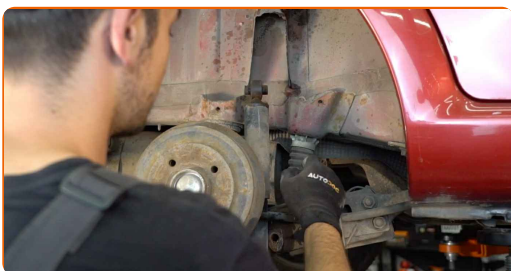




**15** Remove the fastening bolt. Use a flat metal-working chisel. Use a hammer.



**16** Remove the shock absorber.

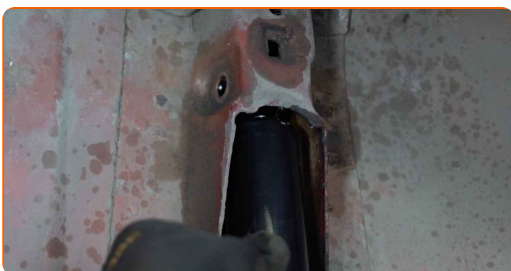


**Replacement: shock absorbers – Citroen C3 1. Tip from AUTODOC:**

- Before installing a new shock absorber you should pump it manually 3-5 times.

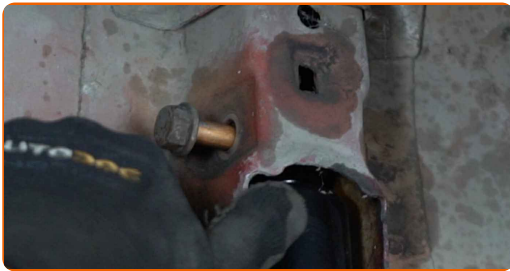
**17** Clean the shock absorber mounting seats. Use a wire brush. Use WD-40 spray.

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





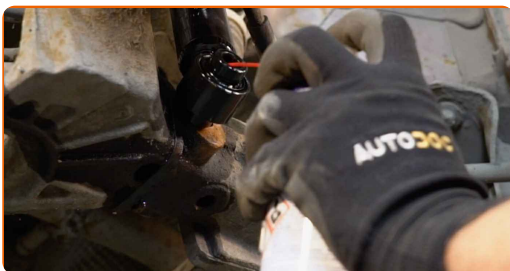
**19** Install the fastening bolt.



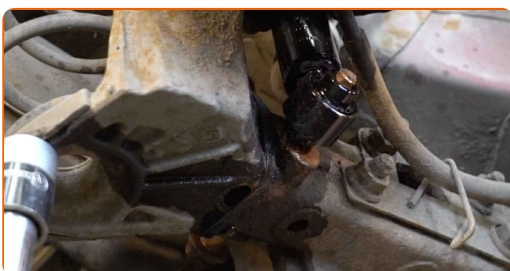
Replacement: shock absorbers – Citroen C3 1. AUTODOC experts recommend:

- To avoid injury, hold the shock absorber cautiously tight when screwing in the fastening bolts.

**20** Treat the shock absorber fasteners. Use WD-40 spray.



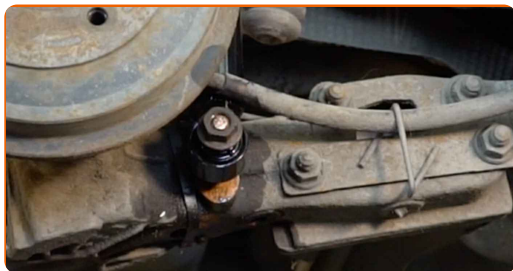
**21** Install the fastening bolt.



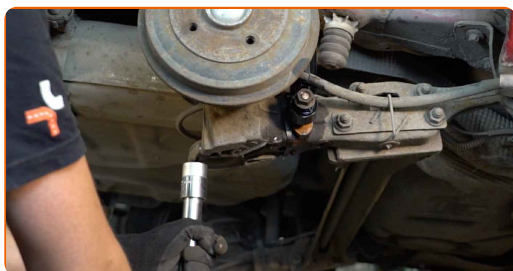
**22** Screw the upper fastener of the shock absorber. Use a drive socket #16.



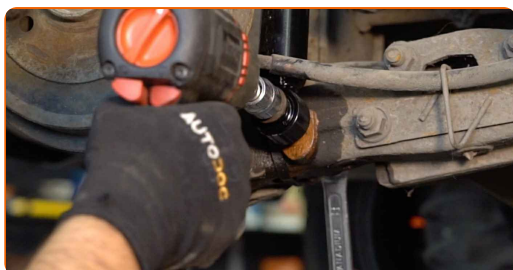
**23** Screw in the lower fastener of the shock absorber. Use a drive socket #21. Use a combination spanner #21.



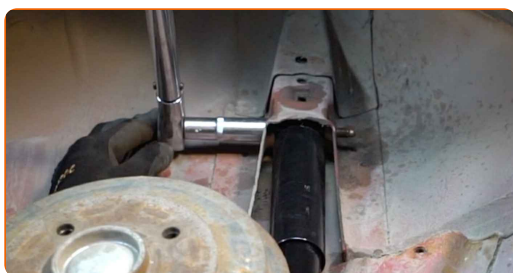
**24** Raise the hydraulic transmission jack by 10-15 cm.



**25** Screw in the lower fastener of the shock absorber. Use a drive socket #21. Use a combination spanner #21.



**26** Tighten the top shock absorber fastening. Use a drive socket #16. Use a torque wrench. Tighten it to 60 Nm torque.



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



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



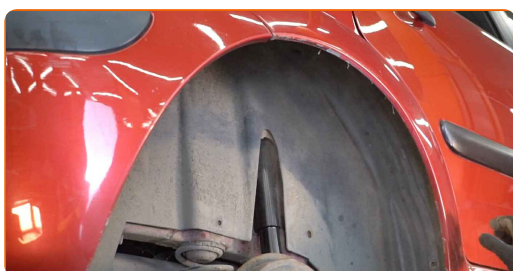
**AUTODOC recommends:**

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

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



- 30** Install the wheel arch cover to its mounting seat.



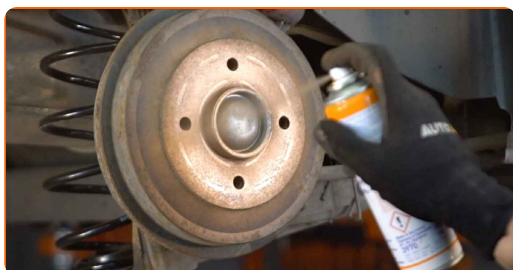
**31** Reinstall the plastic clips of the wheel arch liner.



**32** Treat the shock absorber fasteners. Use copper grease.



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



**34** Install the wheel.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Citroen C3 1

**35**

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

**36**

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

**37**

Remove the jacks and chocks.



**WELL DONE!** 

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