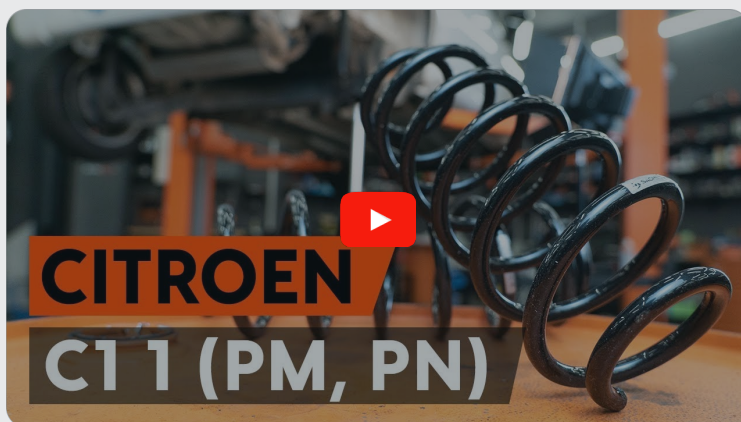




How to change rear coil  
springs on **Citroen C1 1**  
**PM PN** – replacement  
guide

## VIDEO TUTORIAL

** Important!**

This replacement procedure can be used for:  
CITROËN C1 I 1.4 HDi

The steps may slightly vary depending on the car design.

REPLACEMENT: COIL SPRINGS – CITROEN C1 1 PM PN.  
TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Drive socket # 14
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Hydraulic transmission jack
- Wheel chock

**BUY TOOLS**

Replacement: coil springs – Citroen C1 1 PM PN. 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 – CITROEN C1 1 PM PN. USE THE FOLLOWING PROCEDURE:

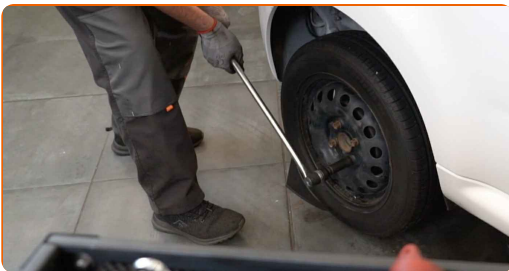
1

Secure the wheels with chocks.



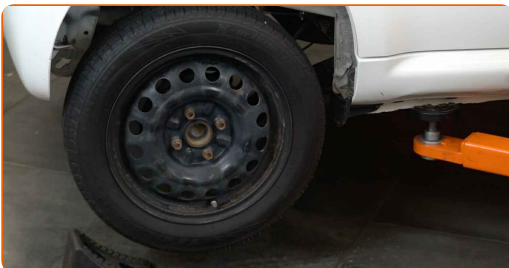
2

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

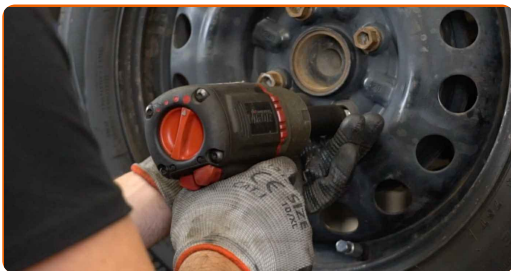


3

Raise the rear of the car and secure on supports.



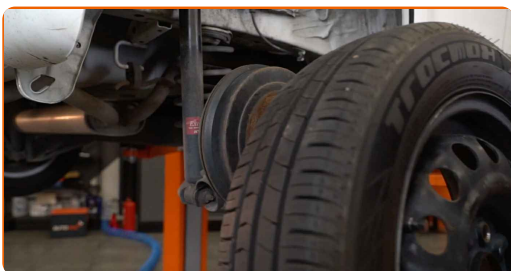
**4** Unscrew the wheel bolts.



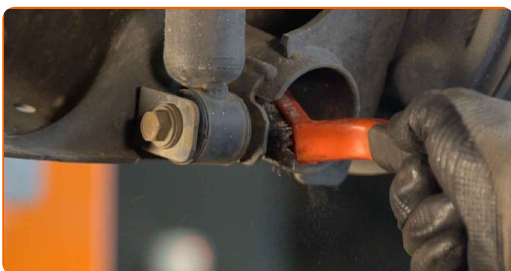
Replacement: coil springs – Citroen C1 1 PM PN. Tip:

- To avoid injury, hold up the wheel when unscrewing the bolts.

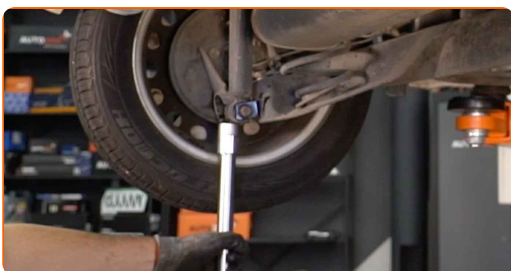
**5** Remove the wheel.



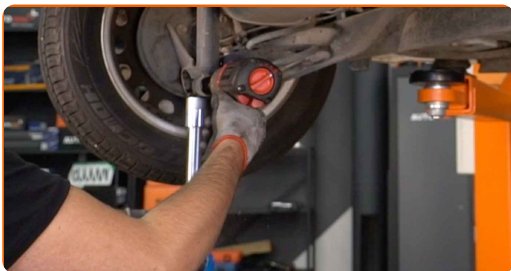
**6** Clean the shock absorber fasteners. Use a wire brush. Use WD-40 spray.



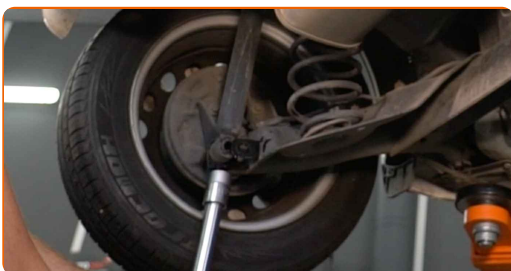
**7** Support the rear suspension beam. Use a hydraulic transmission jack.



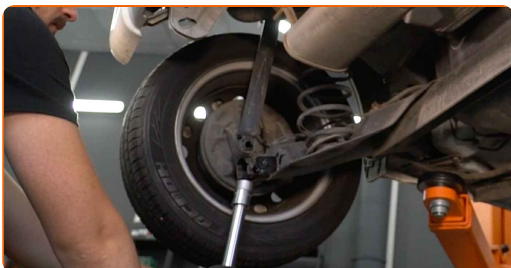
**8** Unscrew the lower fastener of the shock absorber. Use a drive socket #14. Use a ratchet wrench.



**9** Remove the fastening bolt.



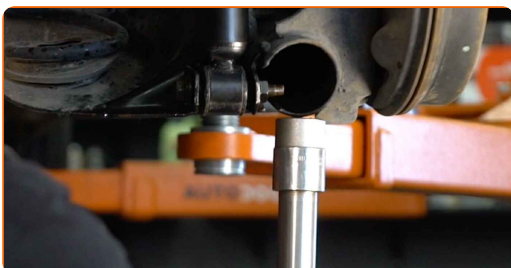
**10** Remove the mounting from under the rear axle beam.



**AUTODOC recommends:**

- Replacement: coil springs – Citroen C1 1 PM PN. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

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



**12**

Unscrew the lower fastener of the shock absorber. Use a drive socket #14. Use a ratchet wrench.



**13**

Remove the fastening bolt.



**14**

Remove the mounting from under the rear axle beam.

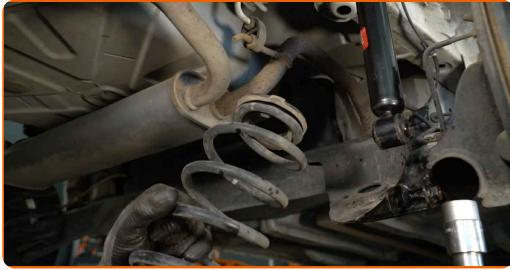


Replacement: coil springs – Citroen C1 1 PM PN. Tip from AUTODOC:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.



**15** Remove the spring.



Replacement: coil springs – Citroen C1 1 PM PN. Professionals recommend:

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

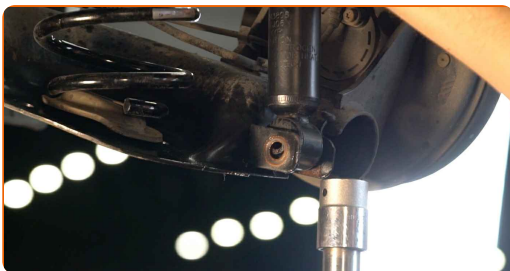
**16** Clean the coil spring mounting seats. Use a wire brush. Use WD-40 spray.



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

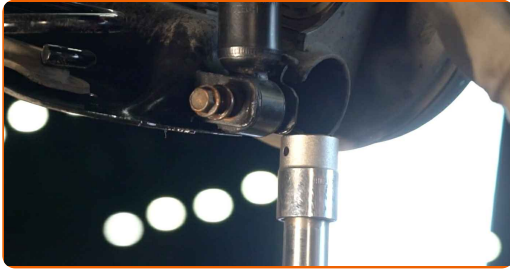


**18** Support the rear suspension beam. Use a hydraulic transmission jack.





**19** Install the fastening bolt.

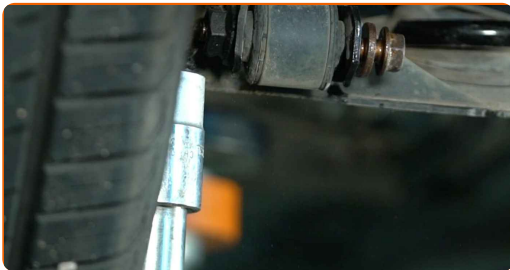


**20** Remove the mounting from under the rear axle beam.

**AUTODOC recommends:**

- Citroen C1 1 PM PN – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

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



**22** Tighten the lower fastener of the shock absorber. Use a drive socket #14. Use a torque wrench. Tighten it to 48 Nm torque.

**23** Remove the mounting from under the rear axle beam.

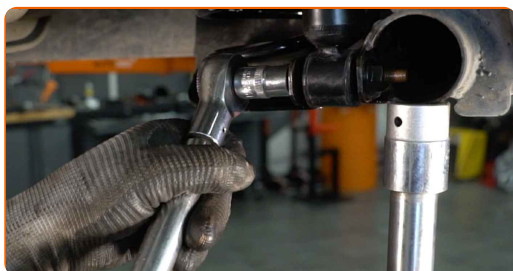
**AUTODOC recommends:**

- Replacement: coil springs – Citroen C1 1 PM PN. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

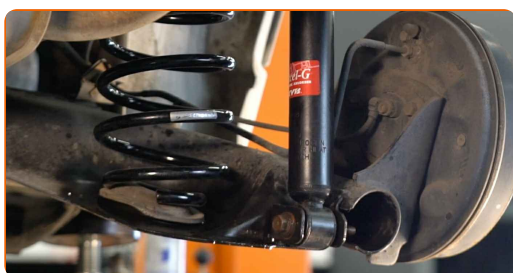
**24** Support the rear suspension beam. Use a hydraulic transmission jack.

**25** Install the fastening bolt.

**26** Tighten the lower fastener of the shock absorber. Use a drive socket #14. Use a torque wrench. Tighten it to 48 Nm torque.



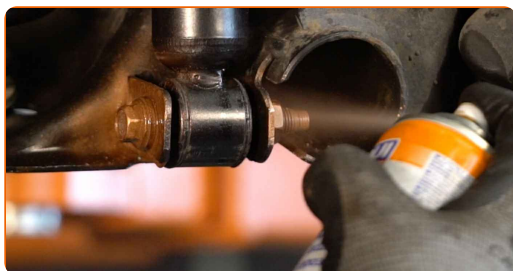
**27** Remove the mounting from under the rear axle beam.



Replacement: coil springs – Citroen C1 1 PM PN. Tip from AUTODOC experts:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

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

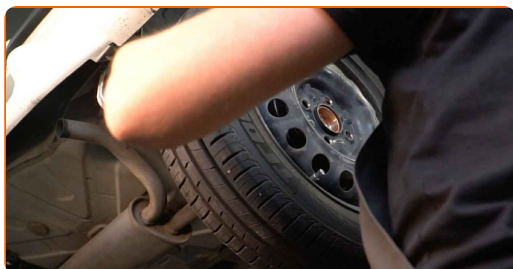


**29** Clean the wheel rim mounting seat. Use a wire brush.

**30** Treat the surface where the wheel rim contacts the brake drum. Use copper grease.



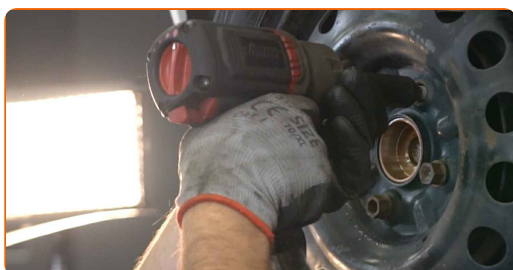
**31** Install the wheel.



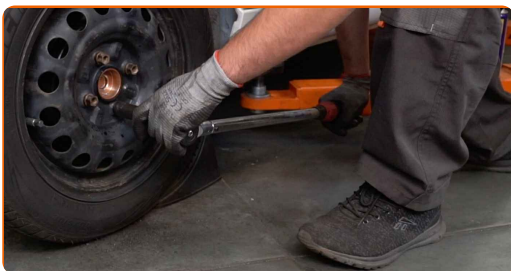
**AUTODOC recommends:**

- Important! Hold the wheel while screwing in the fastening bolts. Citroen C1 1 PM PN

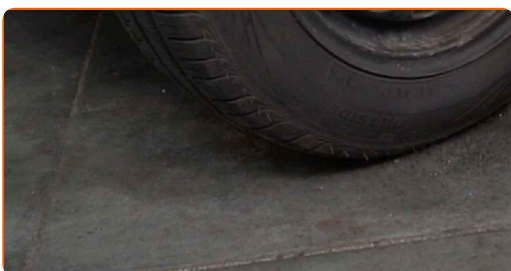
**32** Screw in the wheel bolts. Use wheel impact socket #17.



- 33** 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 100 nm torque.



- 34** Remove the jacks and chocks.



**WELL DONE!** 

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