



How to change front coil  
springs on **RENAULT Clio**  
**II Van** – replacement  
guide

## SIMILAR VIDEO TUTORIAL



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

### Important!

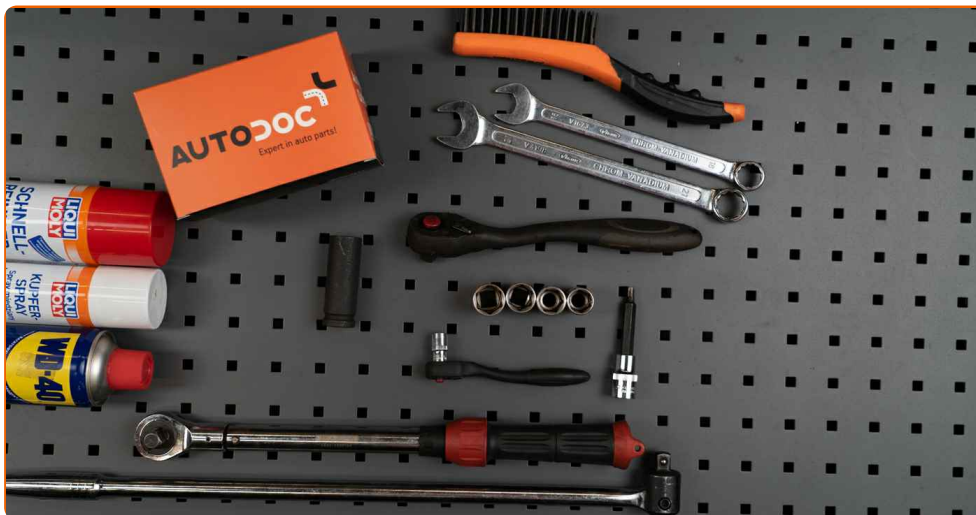
This replacement procedure can be used for:

RENAULT Clio II Van 1.9 D, RENAULT Clio II Van 1.1, RENAULT Clio II Van 1.5 dCi

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: RENAULT Clio II Hatchback (BB, CB) 1.2

**REPLACEMENT: COIL SPRINGS – RENAULT CLIO II VAN.  
LIST OF THE TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #18
- Combination spanner #21
- Drive socket # 10
- Drive socket # 17
- Drive socket # 18
- Drive socket # 21
- HEX bit no.H6.
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Hydraulic strut spring compressor
- Tap wrench
- Fender cover
- Wheel chock

**Buy tools**

Replacement: coil springs – RENAULT Clio II Van. Tip from AUTODOC:

- Both coil springs of the front suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right coil springs of the front suspension.
- Please note: all work on the car – RENAULT Clio II Van – should be done with the engine switched off.

**CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:**

**1** Open the bonnet.

**2** Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

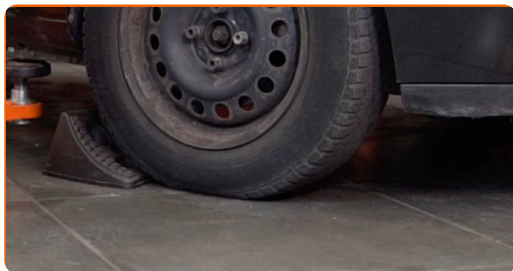
**3** Clean the fasteners of the shock strut upper mount. Use a wire brush. Use WD-40 spray.



**4** Loosen the upper fastener of the shock strut mount. Use HEX No.H6. Use a combination spanner #21. Use a ratchet wrench.



**5** Secure the wheels with chocks.

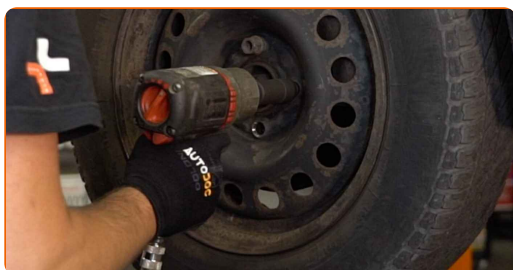


**6** Loosen the wheel mounting bolts. Use wheel impact socket #19.



**7** Raise the front of the car and secure on supports.

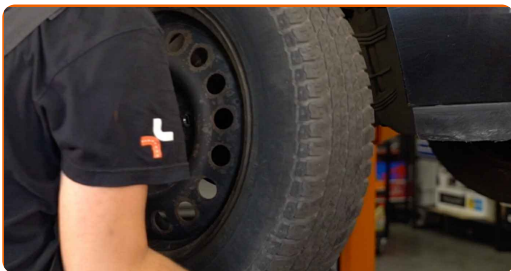
**8** Unscrew the wheel bolts.



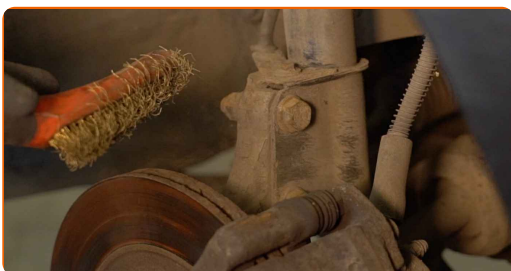
**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.  
RENAULT Clio II Van

**9** Remove the wheel.



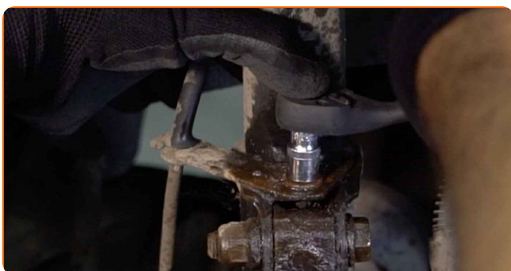
**10** Clean the fasteners connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.



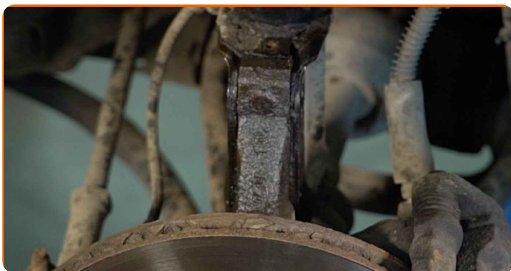
**11** Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a tap wrench.



**12** Unscrew the ABS cable holder. Use a drive socket #10. Use a ratchet wrench.



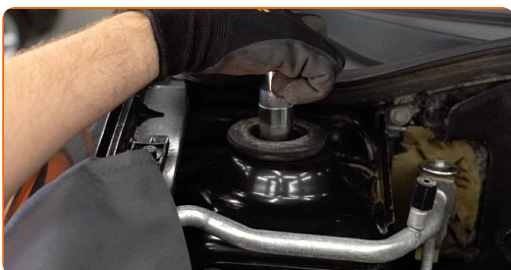
**13** Remove the fastening bolts.



**14** Disconnect the steering knuckle from the shock absorber strut. Use a combination spanner #18.



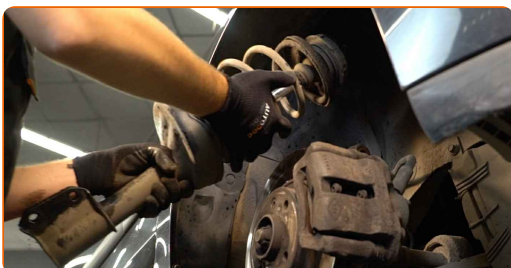
**15** Unscrew the top fastening of the shock strut mount. Use a drive socket #21.



**AUTODOC recommends:**

- Important! Hold the suspension strut while unscrewing the fastening bolts.  
RENAULT Clio II Van

**16** Remove the suspension strut.



**17**

Set the shock absorber strut on the spring compressor tool.



**Replacement: coil springs – RENAULT Clio II Van. Professionals recommend:**

- Note that when using a spring compressor, spring coils need to be securely gripped, compressing the spring on the opposite sides.
- Ensure the correct position of the spring in the retainer.
- Make sure that the spring coils tightly entered the lock handles.

**18**

Compress the spring.



**19**

Treat the shock strut rod. Use WD-40 spray.

**20**

Remove the strut piston rod nut. Use a drive socket #17. Use HEX No.H6. Use a ratchet wrench.





**21** Remove the top strut mount.



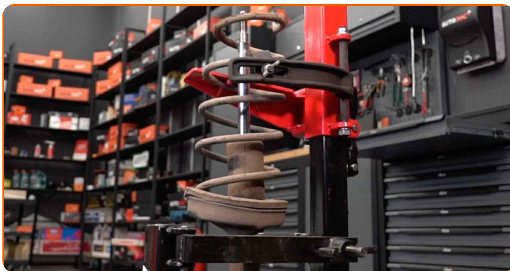
**22** Remove the shock absorber dust cap and the bump stop.



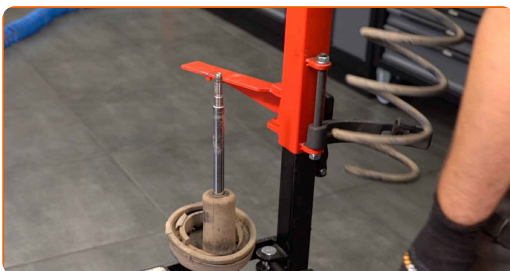
**AUTODOC recommends:**

- Replacement: coil springs – RENAULT Clio II Van. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

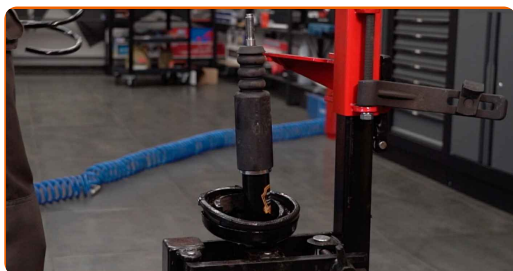
**23** Release the coil spring.



**24** Remove the spring.



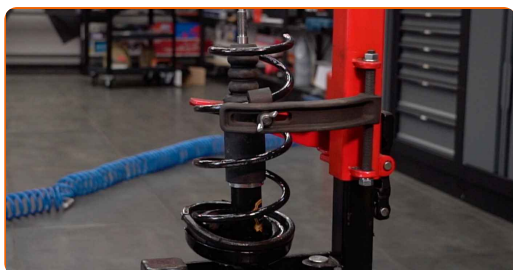
**25** Install the boot and a bump stop onto the shock absorber.



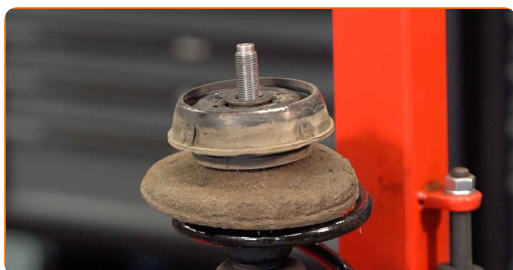
**26** Install the spring on the shock absorber.



**27** Compress the spring.



**28** Install the upper strut mount and the strut mount bearing.



**29** Tighten the shock strut piston rod nut. Use a drive socket #17. Use HEX No.H6. Use a torque wrench. Tighten it to 21 Nm torque.



Replacement: coil springs – RENAULT Clio II Van. Tip from AUTODOC experts:

- Check to make sure the spring is positioned correctly. Avoid its misalignment.

**30** Decompress the spring.



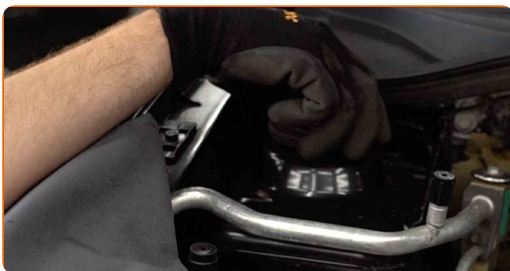
**31** Remove the assembled shock strut.



**32** Install the shock strut into the wheel arch.



**33** Screw the top fastening of the shock strut mount. Do not tighten it.

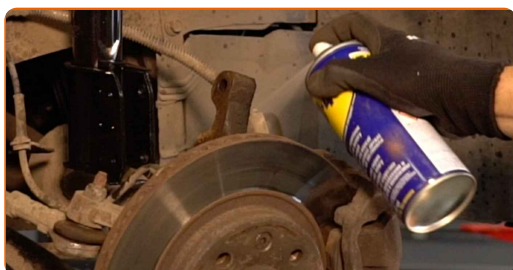


**AUTODOC recommends:**

- RENAULT Clio II Van – To avoid injury, hold the suspension strut while unscrewing the fastening bolts.

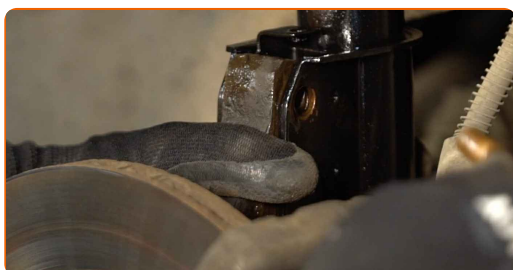
**34**

Treat the shock strut mounting seat on the steering knuckle. Use a wire brush. Use WD-40 spray.



**35**

Fix the shock absorber strut on the steering knuckle.



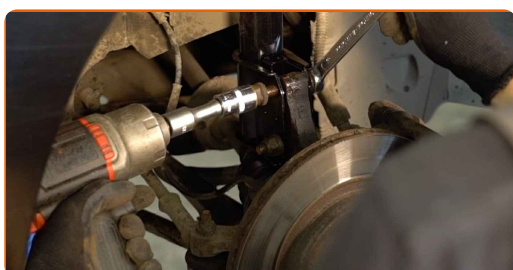
**36**

Install the fastening bolts.

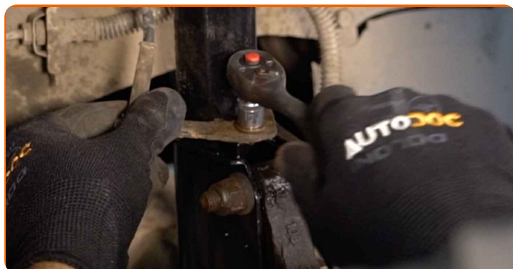


**37**

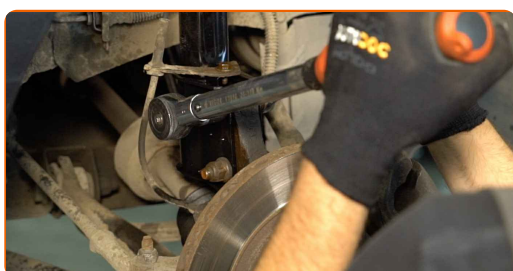
Screw in the fastener that connects the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18.



**38** Tighten the ABS cable holder. Use a drive socket #10. Use a ratchet wrench.



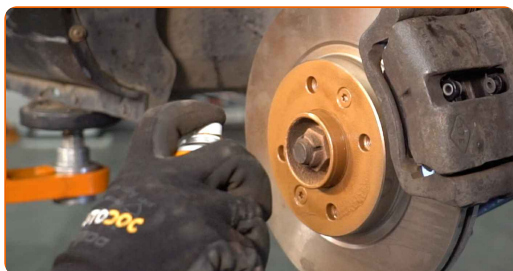
**39** Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 110 Nm torque.



**40** Treat the shock strut fasteners. Use copper grease.



**41** Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



42

Clean the brake disk surface. Use a brake cleaner.

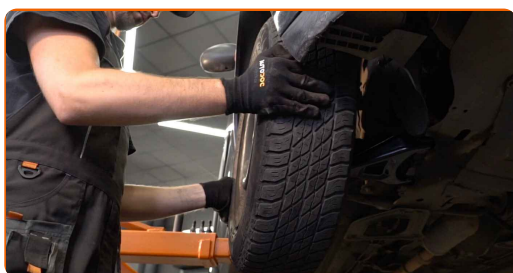


**AUTODOC recommends:**

- After applying the spray, wait a few minutes.

43

Install the wheel.

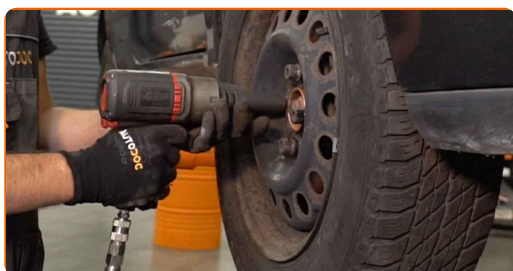


**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. RENAULT Clio II Van

44

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

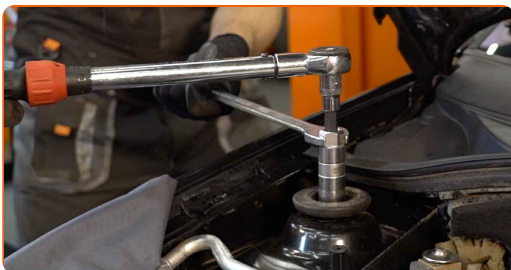


**45** Lower the car.

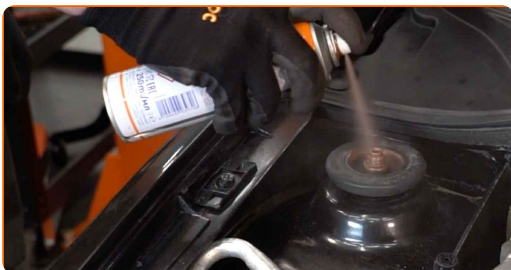
**46** Tighten the wheel bolts using a criss-cross pattern. Use a torque wrench. Tighten it to 90 Nm torque.



**47** Tighten the upper fastener of the shock absorber strut mount. Use a drive socket #21. Use HEX No.H6. Use a torque wrench. Tighten it to 60 Nm torque.



**48** Treat the fasteners of the shock strut mount. Use copper grease.

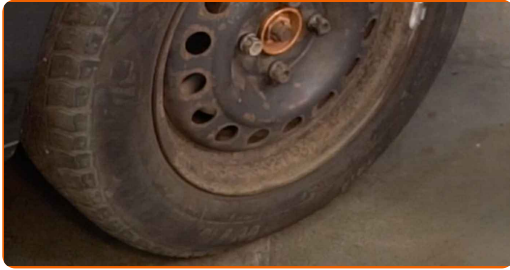


**49** Remove the fender protection cover.

**50** Close the hood.

51

Remove the jacks and chocks.



**WELL DONE!** 

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