



How to change front coil  
springs on **Renault**  
**Twingo C06** –  
replacement guide

## VIDEO TUTORIAL

** Important!**

This replacement procedure can be used for:

RENAULT Twingo I Hatchback 1.2, RENAULT Twingo I Hatchback 1.2 16V

The steps may slightly vary depending on the car design.

REPLACEMENT: COIL SPRINGS – RENAULT TWINGO  
C06. TOOLS YOU NEED:



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

**BUY TOOLS**

Replacement: coil springs – Renault Twingo C06. AUTODOC recommends:

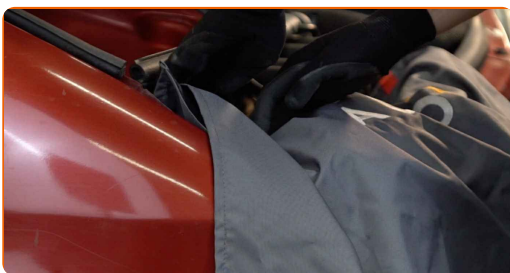
- Both coil springs of the front suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right coil springs of the front suspension.
- Please note: all work on the car – Renault Twingo C06 – should be done with the engine switched off.

**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** Remove the shock strut mount cap.



4

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



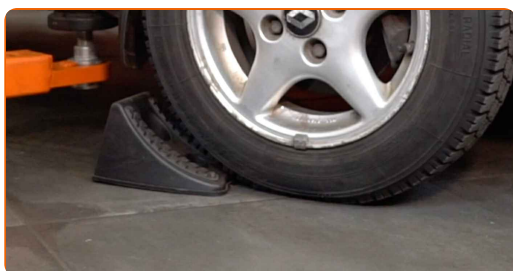
5

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



6

Secure the wheels with chocks.

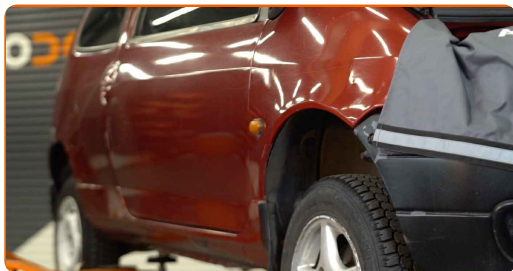


7

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



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



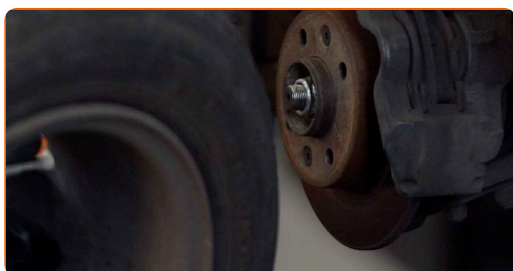
**9** Unscrew the wheel bolts.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.  
Renault Twingo C06

**10** Remove the wheel.



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



**12**

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.



**13**

Prop up the steering knuckle. Use a hydraulic transmission jack.

**14**

Remove the fastening bolts.



**15**

Disconnect the steering knuckle from the shock absorber strut. Use a crowbar.



**16**

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



**AUTODOC recommends:**

- Renault Twingo C06 – To avoid injury, hold the suspension strut while unscrewing the fastening bolts.

**17**

Remove the suspension strut.



**18**

Set the shock absorber strut on the spring compressor tool.



**Replacement: coil springs – Renault Twingo C06. AUTODOC experts 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.



**19** Compress the spring.



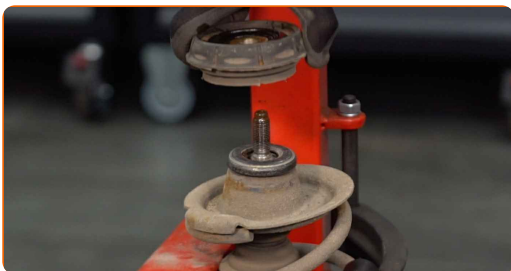
**20** Treat the shock strut rod. Use a wire brush. Use WD-40 spray.



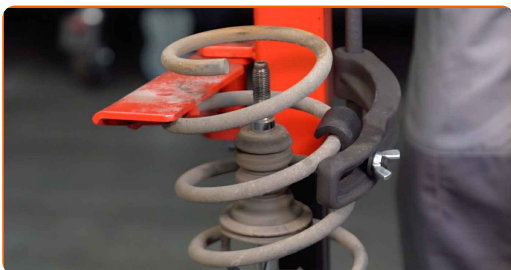
**21** Remove the strut piston rod nut. Use a drive socket #17. Use HEX No.H6. Use a ratchet wrench.



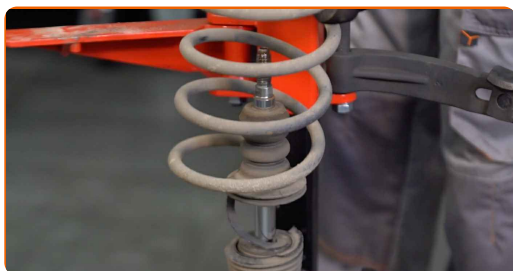
**22** Remove the top strut mount.



**23** Release the coil spring.



**24** Remove the spring.



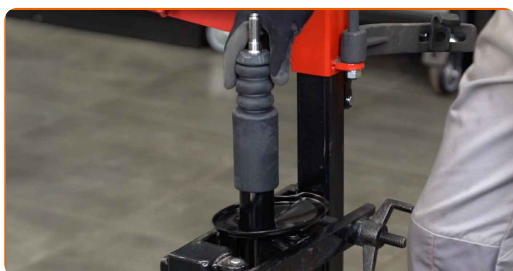
**25** Remove the shock absorber dust cap and the bump stop.



**AUTODOC recommends:**

- Replacement: coil springs – Renault Twingo C06. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

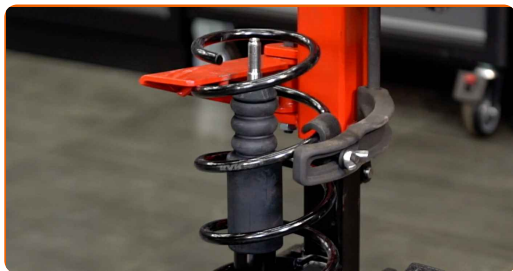
**26** Install the boot and a bump stop onto the shock absorber.



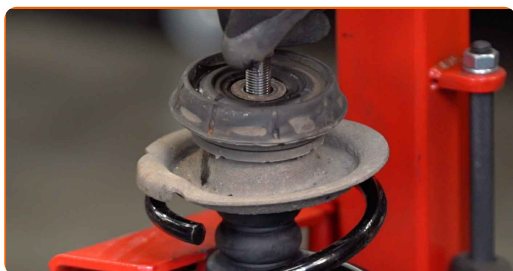
**27** Install the spring on the shock absorber.



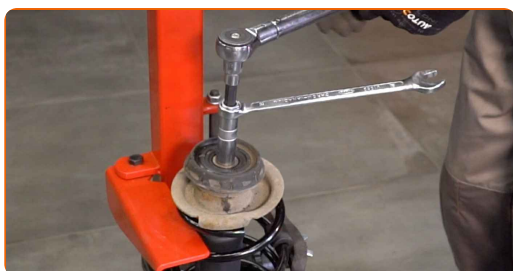
**28** Compress the spring.



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



**30** Tighten the shock strut piston rod nut. Use a drive socket #17. Use HEX No.H6. Use a torque wrench. Tighten it to 25 Nm torque.



Replacement: coil springs – Renault Twingo C06. Professionals recommend:

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

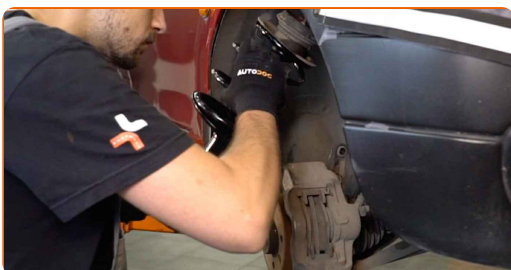
**31** Decompress the spring.



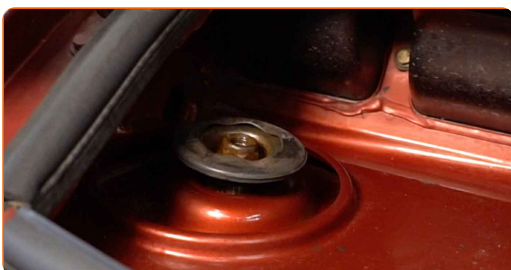
**32** Remove the assembled shock strut.



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



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



**AUTODOC recommends:**

- Important! Hold the suspension strut while screwing in the fastening bolts.  
Renault Twingo C06

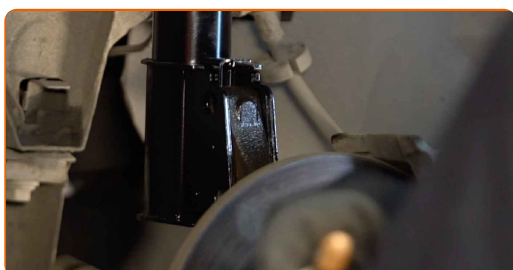
35

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



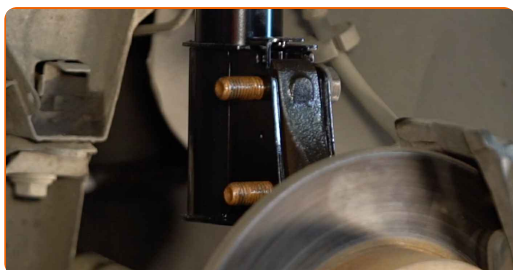
36

Fix the shock absorber strut on the steering knuckle.



37

Install the fastening bolts.



38

Remove the support from under the steering knuckle.

### AUTODOC recommends:

- Replacement: coil springs – Renault Twingo C06. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

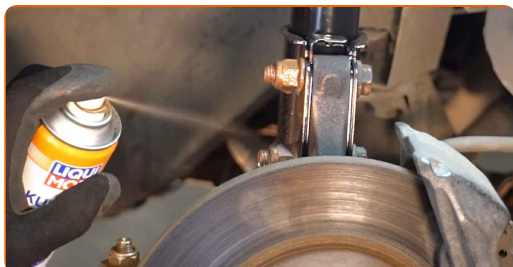
- 39** Screw in the fastener that connects the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18.



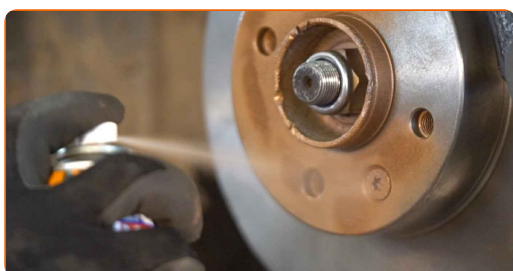
- 40** Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 110 Nm torque.



- 41** Treat the shock strut fasteners. Use copper grease.

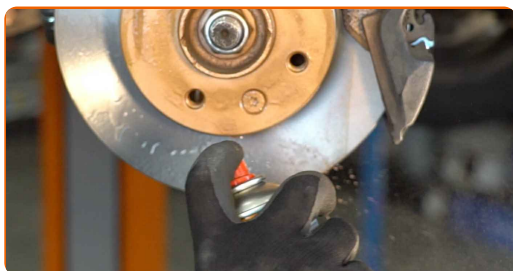


- 42** Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



43

Clean the brake disk surface. Use a brake cleaner.

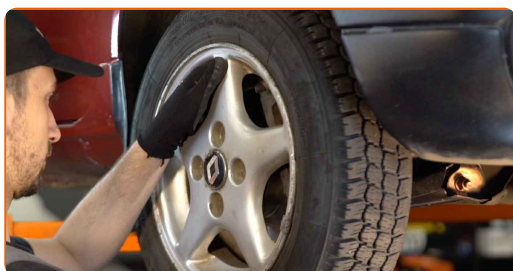


**AUTODOC recommends:**

- Replacement: coil springs – Renault Twingo C06. After applying the spray, wait a few minutes.

44

Install the wheel.

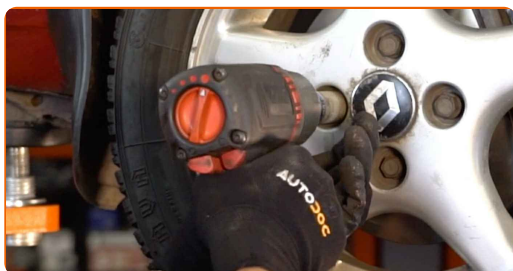


**AUTODOC recommends:**

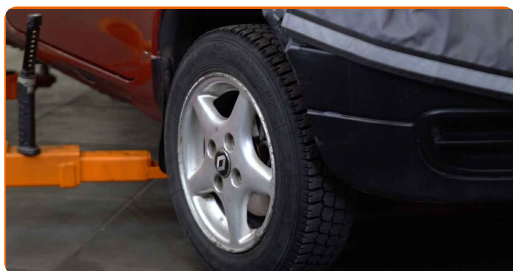
- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Renault Twingo C06

45

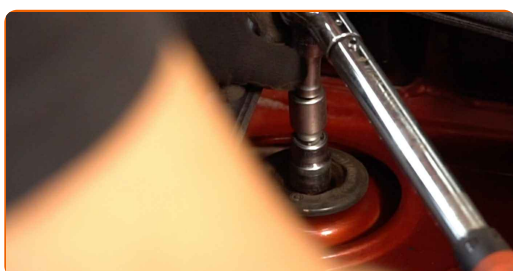
Screw in the wheel bolts. Use wheel impact socket #17.



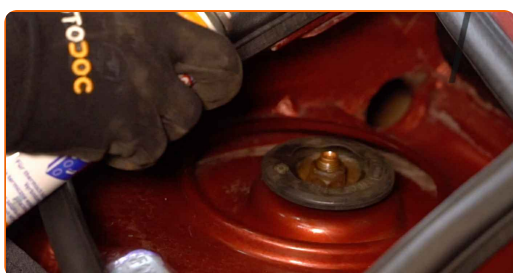
**46** Lower the car.



**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.



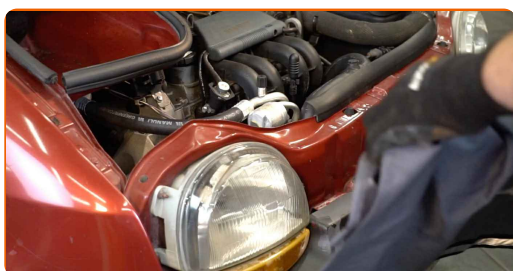
**48** Treat the fasteners of the shock strut mount. Use copper grease.



**49** Install the shock strut mount cap.



**50** Remove the fender protection cover.





**51**

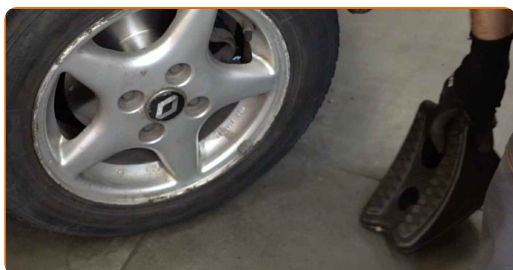
Close the hood.

**52**

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

**53**

Remove the jacks and chocks.

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