



How to change rear 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 MIGHT NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Drive socket # 13
- Drive socket # 17
- Drive socket # 18
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Shock absorber socket DD N°6,3
- Phillips screwdriver
- Tap wrench
- Hydraulic strut spring compressor
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

Replacement: coil springs – Renault Twingo C06. 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 – Renault Twingo C06 – should be done with the engine switched off.

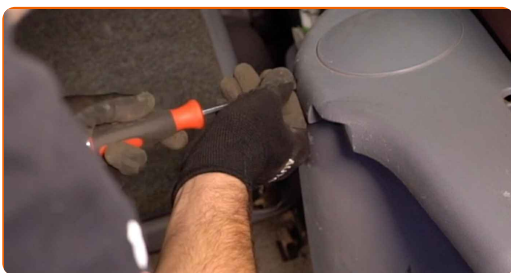
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1

Open the boot lid.

**2**

Unscrew the fasteners of the side plastic trim panel. Use a Phillips screwdriver.



3

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



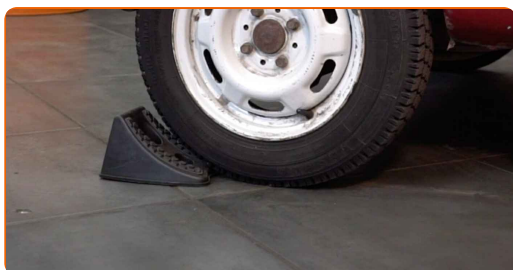
4

Loosen the upper fastener of the shock strut mount. Use a drive socket #13. Use a ratchet wrench.



5

Secure the wheels with chocks.



6

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



7

Raise the rear of the car and secure on supports.



8

Unscrew the wheel bolts.

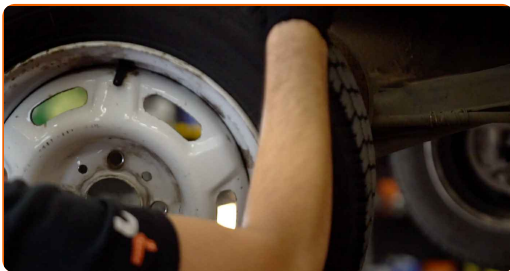


AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. Renault Twingo C06

9

Remove the wheel.



10

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



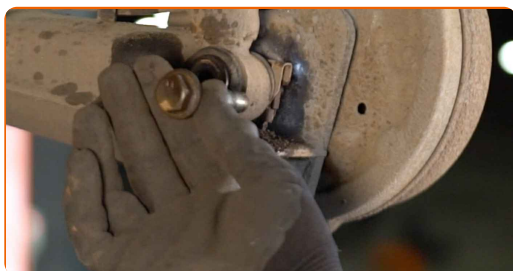
11

Unscrew the lower fastener of the shock absorber strut. Use a drive socket #18. Use a tap wrench.



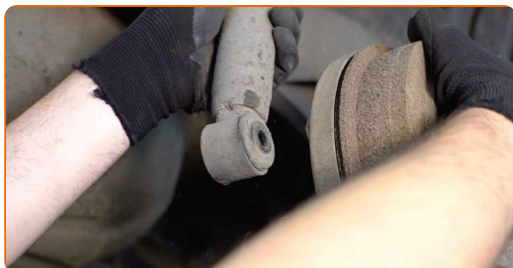
12

Remove the fastening bolt.



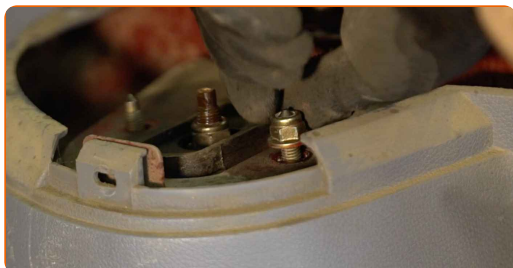
13

Detach the bottom part of the shock strut.



14

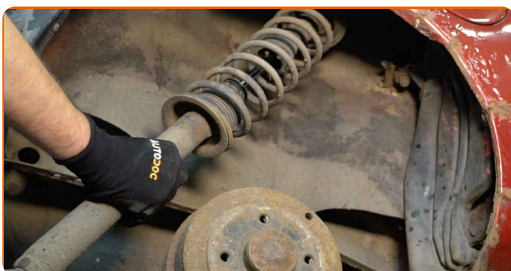
Unscrew the upper fastening of the shock absorber strut. Use a drive socket #13.



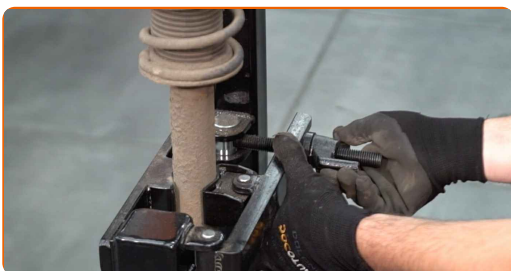
AUTODOC recommends:

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

15 Remove the suspension strut.



16 Set the shock absorber strut on the spring compressor tool.



Replacement: coil springs – Renault Twingo C06. Tip:

- 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.

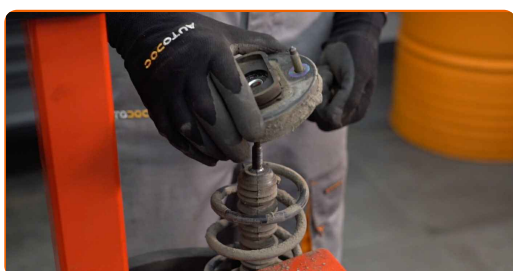
17 Compress the spring.



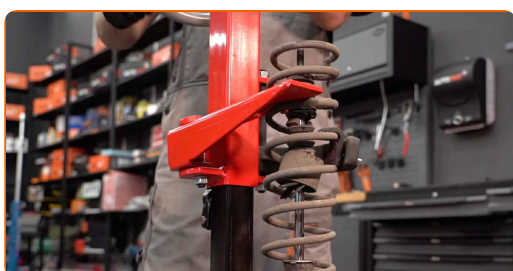
- 18 Remove the strut piston rod nut. Use a shock absorber socket DDN#6,3. Use a drive socket #17. Use a ratchet wrench.



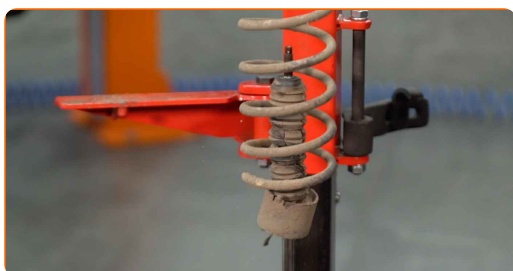
- 19 Remove the top strut mount.



- 20 Release the coil spring.



- 21 Remove the spring.



- 22 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.

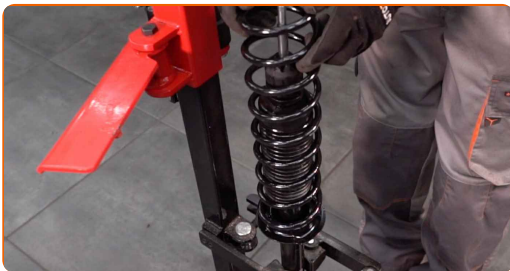
23

Install the dust sleeve and the bump stop on the new shock absorber.



24

Install the spring on the shock absorber.



25

Compress the spring.



26

Install the upper strut mount and the strut mount bearing.



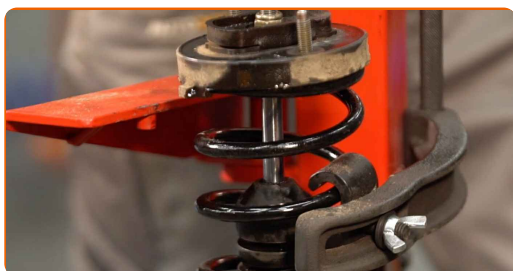
- 27** Tighten the shock strut piston rod nut. Use a shock absorber socket DDN^o6,3. Use a drive socket #17. Use a torque wrench. Tighten it to 45 Nm torque.



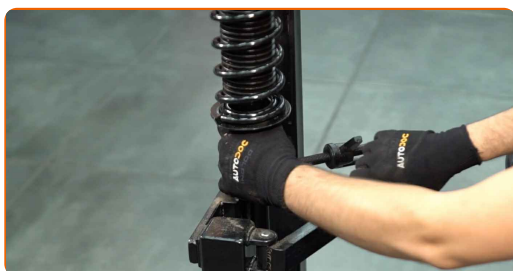
Replacement: coil springs – Renault Twingo C06. Tip from AUTODOC:

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

- 28** Decompress the spring.



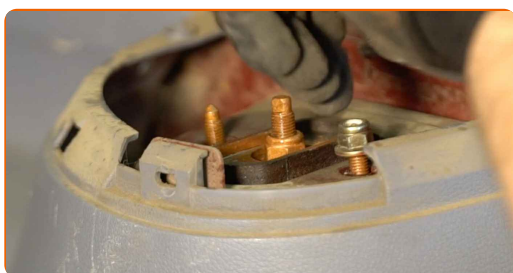
- 29** Remove the assembled shock strut.



30 Install the shock strut into the wheel arch.



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



AUTODOC recommends:

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

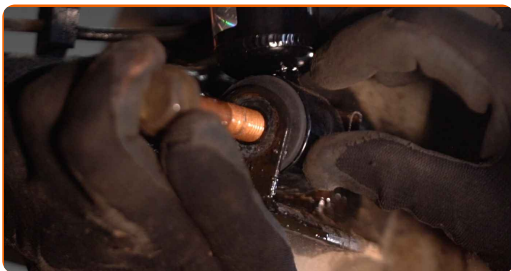
32 Clean the mounting seats of the shock strut. Use a wire brush. Use WD-40 spray.



33 Attach the bottom part of the shock strut.



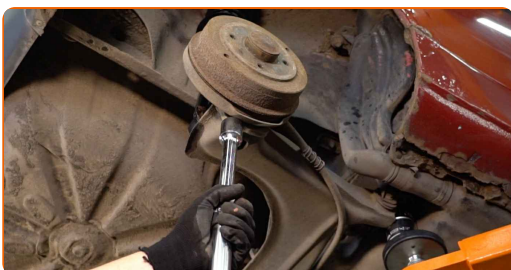
34 Install the fastening bolt.



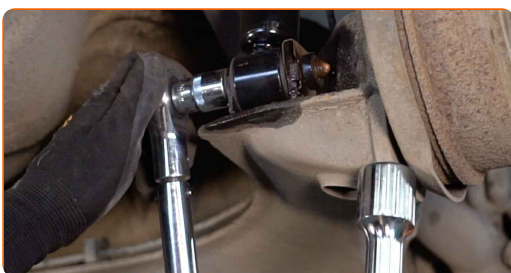
35 Screw in the lower fastener of the shock strut. Use a drive socket #18.



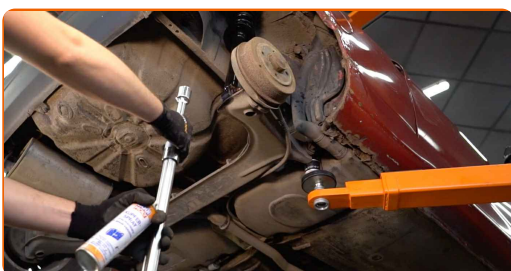
36 Support the rear suspension beam. Use a hydraulic transmission jack.



37 Tighten the lower fastening of the shock absorber. Use a drive socket #18. Use a torque wrench. Tighten it to 95 Nm torque.



38 Remove the mounting from under the rear axle beam.



AUTODOC recommends:

- Renault Twingo C06 – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

39

Treat the shock strut fasteners. Use copper grease.



40

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



41

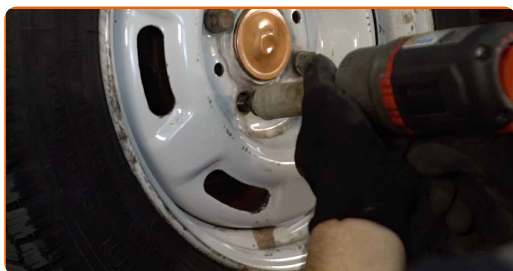
Install the wheel.



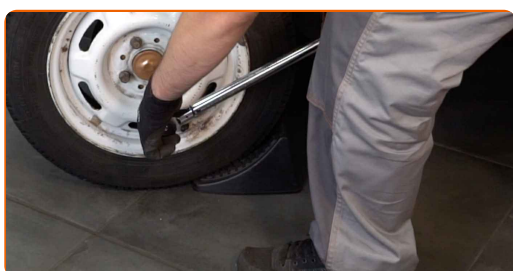
AUTODOC recommends:

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

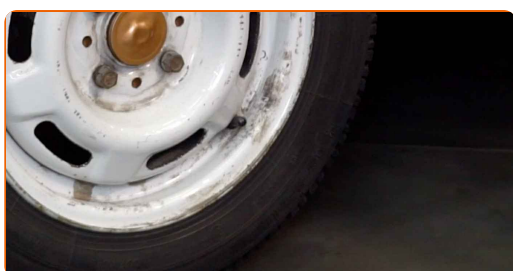
42 Screw in the wheel bolts. Use wheel impact socket #17.



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



44 Remove the jacks and chocks.

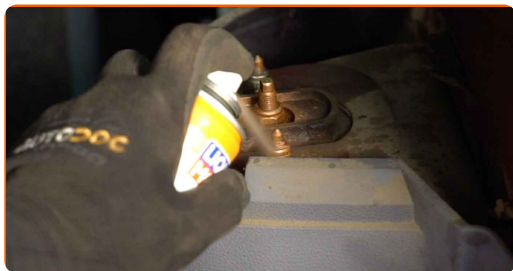


45 Tighten the upper fastener of the shock absorber strut mount. Use a drive socket #13. Use a torque wrench. Tighten it to 35 Nm torque.



46

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

**47**

Screw the fasteners of the side plastic trim panel. Use a Phillips screwdriver.

**48**

Close the lid of the luggage compartment.



WELL DONE! 

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