



How to change front
suspension strut 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 Van 1.2, RENAULT Twingo I Hatchback 1.2 16V

The steps may slightly vary depending on the car design.

REPLACEMENT: SUSPENSION STRUT – RENAULT TWINGO C06. TOOLS YOU'LL 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: suspension strut – Renault Twingo C06. AUTODOC recommends:

- Both shock struts of the front suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock struts 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:

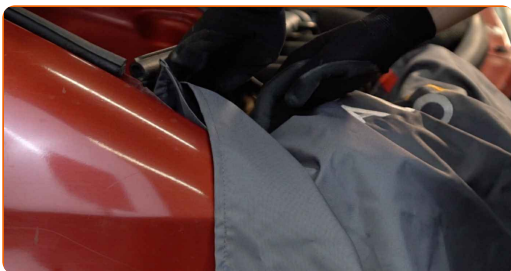
1

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.



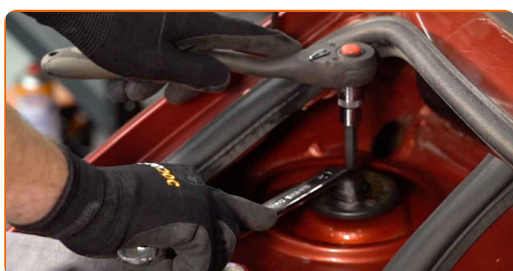
4

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



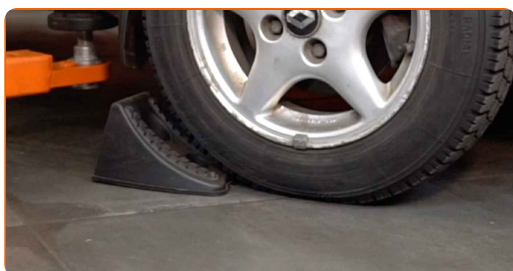
5

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.



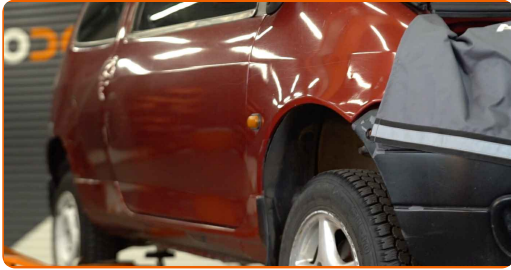
7

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.

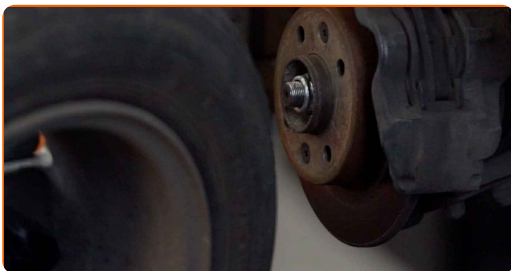


Replacement: suspension strut – Renault Twingo C06. Tip:

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

10

Remove the wheel.



11

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

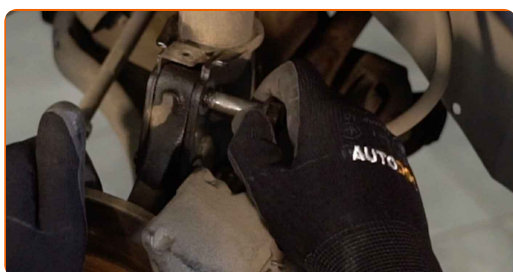


- 12** Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a tap wrench.

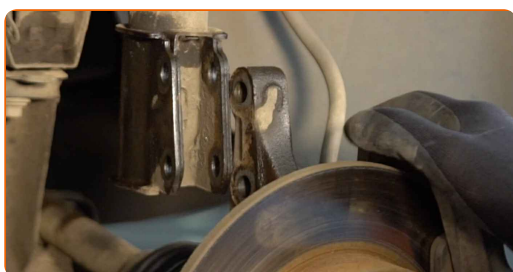


- 13** Prop up the steering knuckle. Use a hydraulic transmission jack.

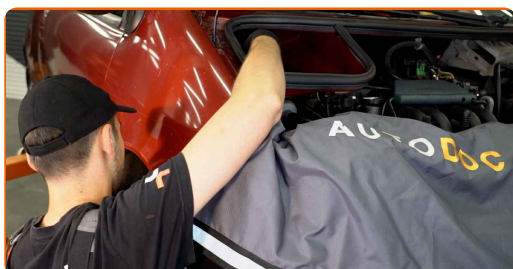
- 14** Remove the fastening bolts.



- 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:

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

17

Remove the suspension strut.



18

Set the shock absorber strut on the spring compressor tool.



Replacement: suspension strut – 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.



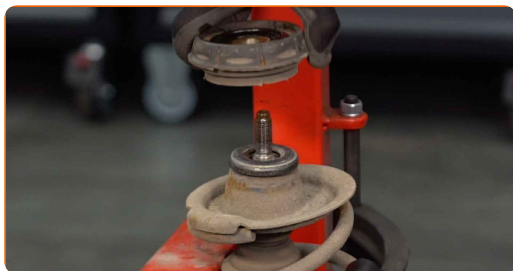
20 Treat the shock strut rod. Use a wire brush. Use WD-40 spray.



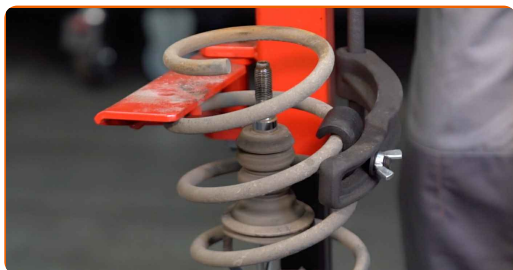
21 Remove the strut piston rod nut. Use a drive socket #17. Use HEX No.H6. Use a ratchet wrench.



22 Remove the top strut mount.



23 Release the coil spring.



24 Remove the spring.



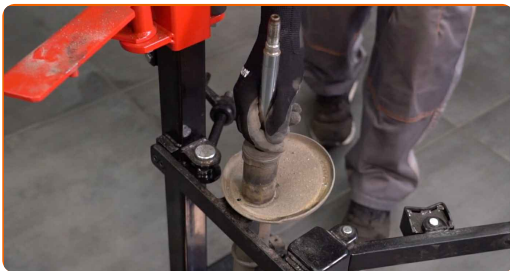
25 Remove the shock absorber dust cap and the bump stop.



AUTODOC recommends:

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

26 Remove the old shock absorber from the hydraulic coil spring compressor.



Replacement: suspension strut – Renault Twingo C06. Tip from AUTODOC:

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

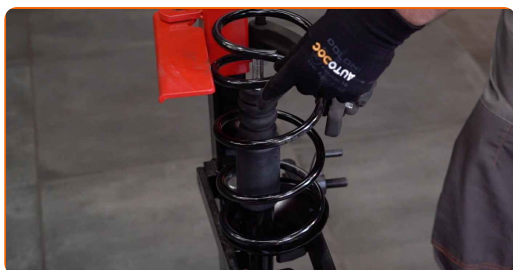
27 Install the new shock absorber on the hydraulic coil spring compressor.



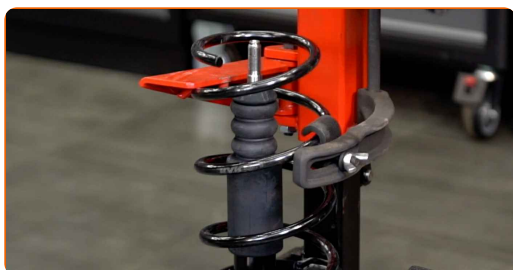
28 Install the dust sleeve and the bump stop on the new shock absorber.



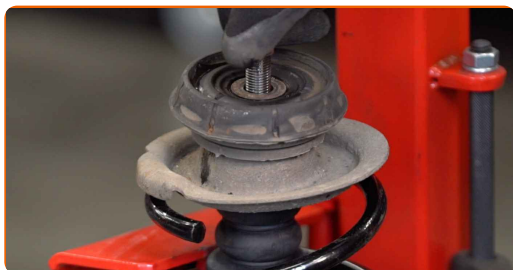
29 Install the spring on the shock absorber.



30 Compress the spring.



31 Install the upper strut mount and the strut mount bearing.



32

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: suspension strut – Renault Twingo C06. Tip from AUTODOC experts:

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

33

Decompress the spring.

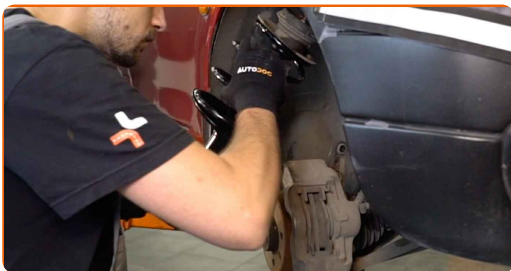


34

Remove the assembled shock strut.



35 Install the shock strut into the wheel arch.



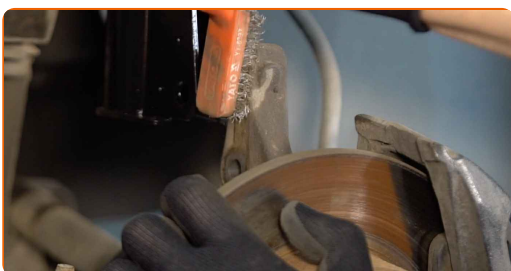
36 Screw the top fastening of the shock strut mount. Do not tighten it.



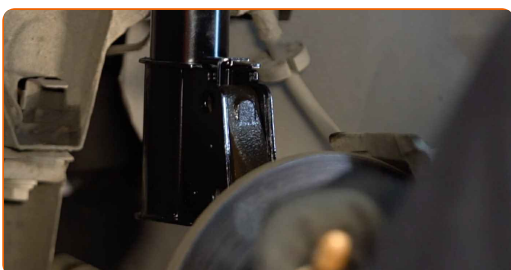
AUTODOC recommends:

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

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



38 Fix the shock absorber strut on the steering knuckle.



39 Install the fastening bolts.



40 Remove the support from under the steering knuckle.

AUTODOC recommends:

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

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



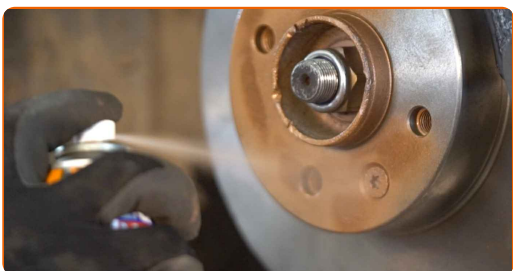
42 Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 110 Nm torque.



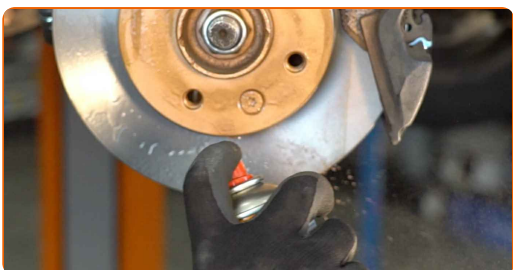
43 Treat the shock strut fasteners. Use copper grease.



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



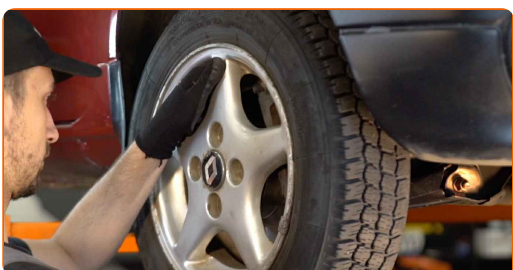
45 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

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

46 Install the wheel.

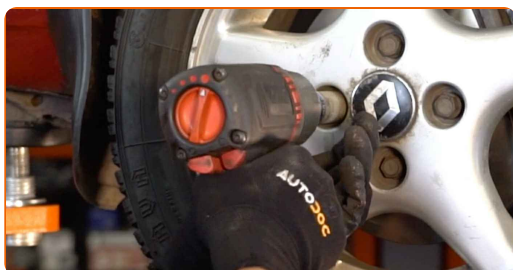


Replacement: suspension strut – Renault Twingo C06. AUTODOC recommends:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

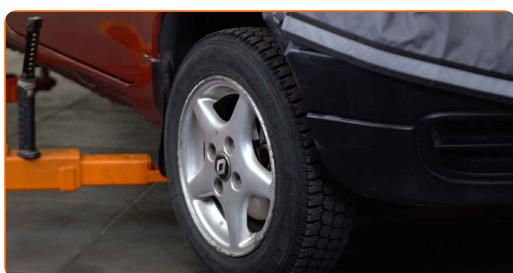
47

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



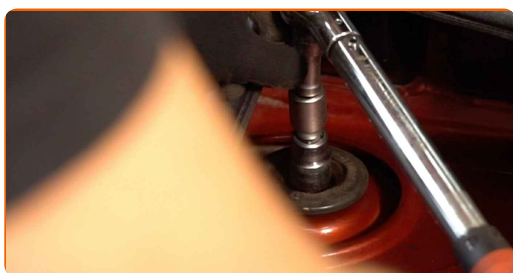
48

Lower the car.



49

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.



50

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



51 Install the shock strut mount cap.



52 Remove the fender protection cover.



53 Close the hood.

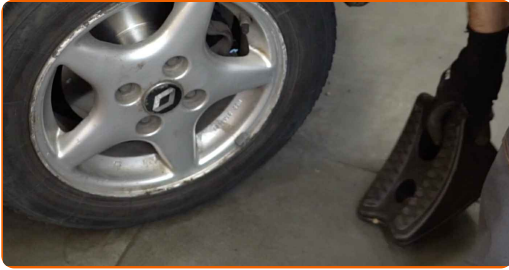


54 Tighten the wheel bolts using a criss-cross pattern. Use a torque wrench. Tighten it to 90 Nm torque.



55

Remove the jacks and chocks.



WELL DONE! 

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