



How to change rear  
suspension strut on  
**RENAULT TWINGO I Box**  
**(S06\_)** – 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 TWINGO I Box (S06\_) 1.2

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 TWINGO I (C06\_) 1.2

REPLACEMENT: SUSPENSION STRUT – RENAULT TWINGO I BOX (S06\_). LIST OF THE TOOLS YOU'LL 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
- Tap wrench
- Phillips screwdriver
- Shock absorber socket DD N°6,3
- Hydraulic strut spring compressor
- Hydraulic transmission jack
- Wheel chock

**Buy tools**

Replacement: suspension strut – RENAULT TWINGO I Box (S06\_). AUTODOC experts recommend:

- Both shock struts of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock struts of the rear suspension.
- All work should be done with the engine stopped.

## REPLACEMENT: SUSPENSION STRUT – RENAULT TWINGO I BOX (S06\_). TAKE THE FOLLOWING STEPS:

**1** Open the boot lid.

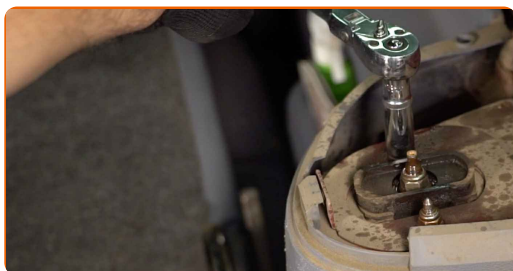
**2** Unscrew the fasteners of the side plastic trim panel. Use a Phillips screwdriver.



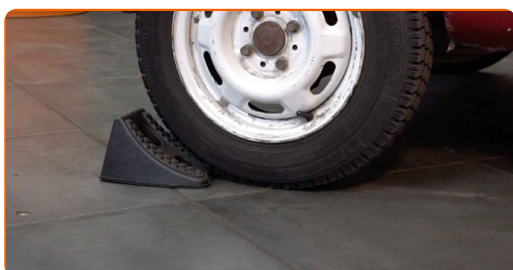
**3** Clean the fasteners of the shock strut upper mount. Use a wire brush. Use WD-40 spray.



**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 I Box (S06\_)

9

Remove the wheel.



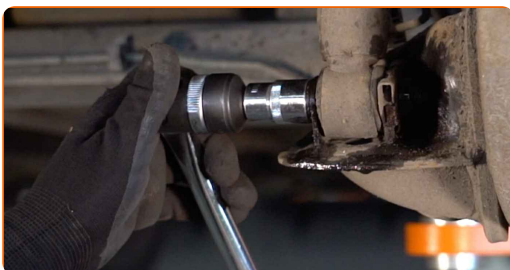
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Clean the shock strut fasteners. Use a wire brush. Use WD-40 spray.



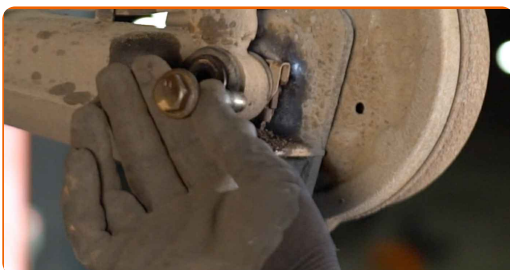
11

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

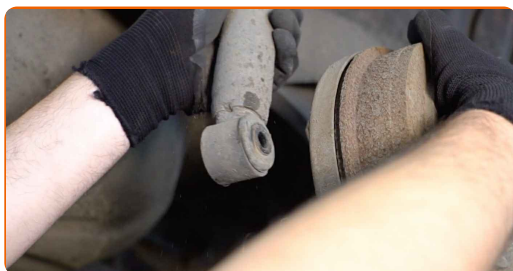


12

Remove the fastening bolt.



**13** Detach the bottom part of the shock strut.



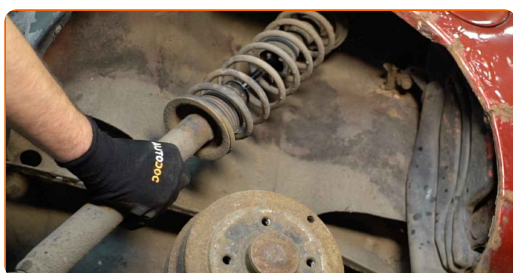
**14** Unscrew the upper fastening of the shock absorber strut. Use a drive socket #13.



Replacement: suspension strut – RENAULT TWINGO I Box (S06\_). AUTODOC recommends:

- To avoid injuries, hold the shock strut when undoing the fastening bolts.

**15** Remove the suspension strut.



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



Replacement: suspension strut – RENAULT TWINGO I Box (S06\_).  
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.

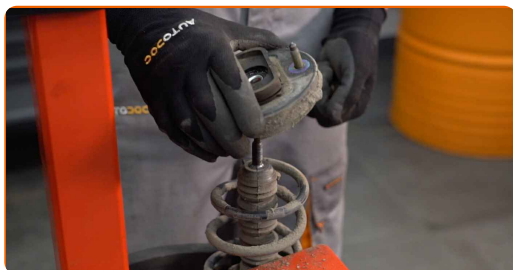
**17** Compress the spring.



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

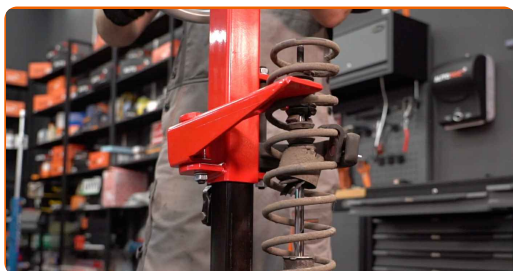


**19** Remove the top strut mount.

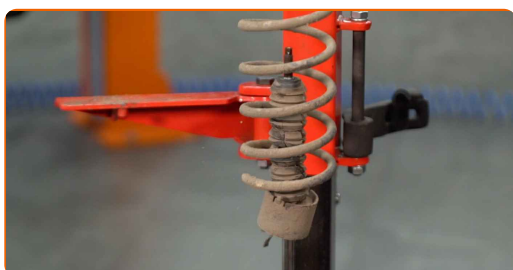




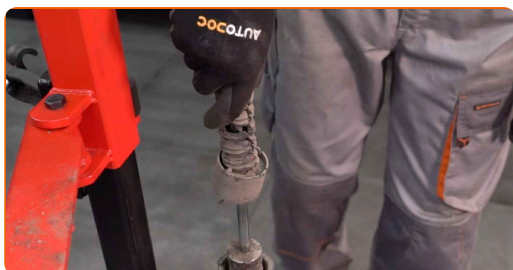
**20** Release the coil spring.



**21** Remove the spring.



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



**AUTODOC recommends:**

- Replacement: suspension strut – RENAULT TWINGO I Box (S06\_). Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

**23** Remove the old shock absorber from the hydraulic coil spring compressor.



Replacement: suspension strut – RENAULT TWINGO I Box (S06\_). Tip:

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

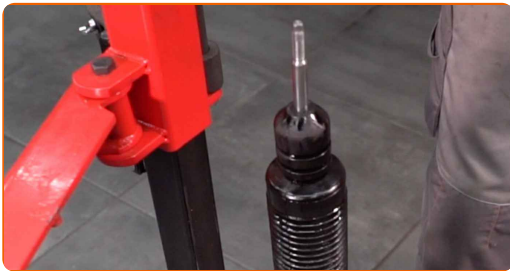
24

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



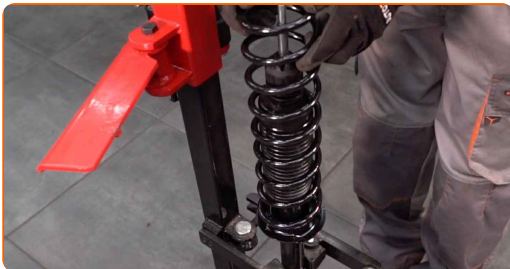
25

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



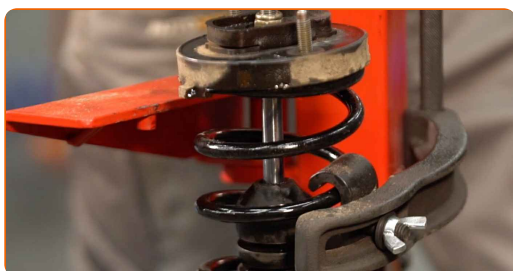
**29** Tighten the shock strut piston rod nut. Use a shock absorber socket DDN<sup>o</sup>6,3. Use a drive socket #17. Use a torque wrench. Tighten it to 45 Nm torque.



Replacement: suspension strut – RENAULT TWINGO I Box (S06\_). Tip from AUTODOC:

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

**30** Decompress the spring.



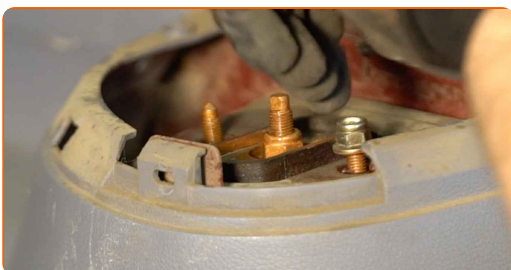
**31** Remove the assembled shock strut.



**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:**

- Important! Hold the shock absorber while screwing in the fastening bolts.  
RENAULT TWINGO I Box (S06\_)

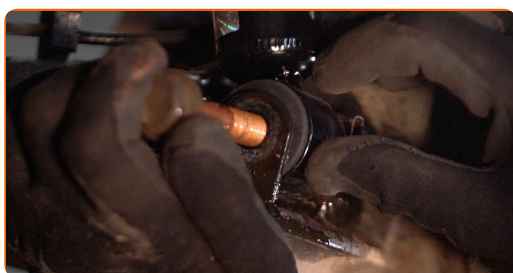
**34** Clean the mounting seats of the shock strut. Use a wire brush. Use WD-40 spray.



**35** Attach the bottom part of the shock strut.



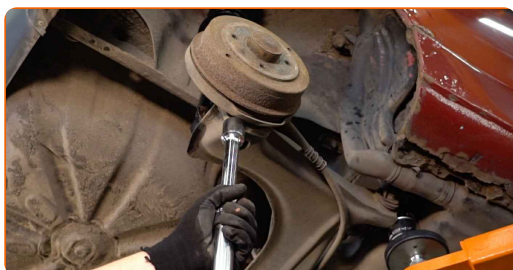
**36** Install the fastening bolt.



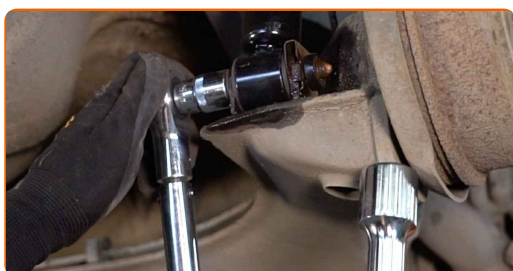
**37** Screw in the lower fastener of the shock strut. Use a drive socket #18.



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

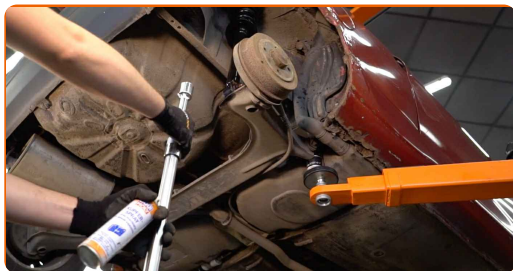


**39** Tighten the lower fastening of the shock absorber. Use a drive socket #18. Use a torque wrench. Tighten it to 95 Nm torque.



40

Remove the mounting from under the rear axle beam.



Replacement: suspension strut – RENAULT TWINGO I Box (S06\_). Tip from AUTODOC experts:

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

41

Treat the shock strut fasteners. Use copper grease.



42

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



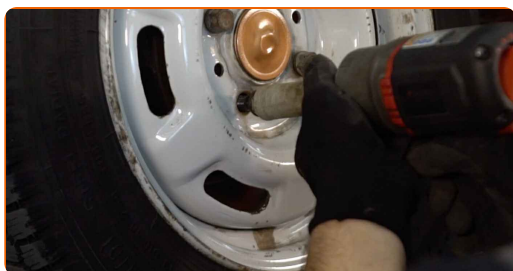
**43** Install the wheel.



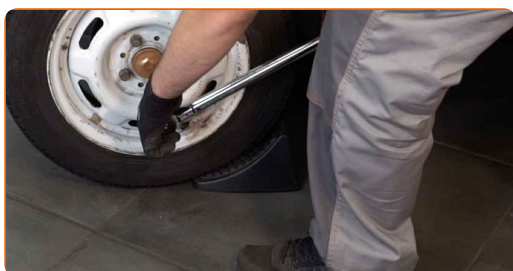
Replacement: suspension strut – RENAULT TWINGO I Box (S06\_). Tip from AUTODOC:

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

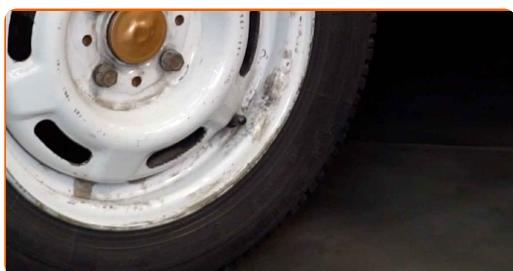
**44** Screw in the wheel bolts. Use wheel impact socket #17.



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



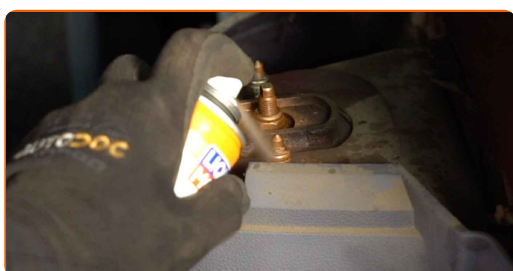
**46** Remove the jacks and chocks.



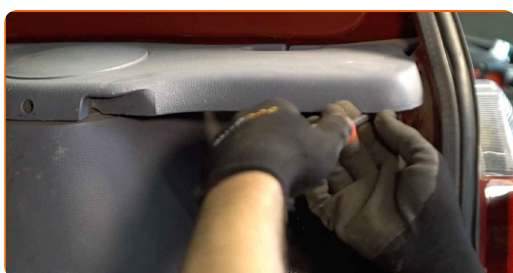
- 47 Tighten the upper fastener of the shock absorber strut mount. Use a drive socket #13. Use a torque wrench. Tighten it to 35 Nm torque.



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



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



- 50 Close the lid of the luggage compartment.

**WELL DONE!** 

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