



How to change front coil  
springs on **VAUXHALL**  
**Corsavan Mk II (C) (X01)**  
– 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:  
VAUXHALL Corsavan Mk II (C) (X01) 1.2 16V

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: OPEL Corsa C Hatchback (X01) 1.3 CDTI (F08, F68)

REPLACEMENT: COIL SPRINGS – VAUXHALL  
 CORSAVAN MK II (C) (X01). LIST OF THE TOOLS YOU'LL  
 NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #18
- Drive socket # 8
- Drive socket # 18
- Drive socket # 19
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Flat Screwdriver
- Shock absorber socket DD N°8
- Tap wrench
- Crow bar
- Hydraulic strut spring compressor
- Hydraulic transmission jack
- Fender cover
- Wheel chock

**Buy tools**

Replacement: coil springs – VAUXHALL Corsavan Mk II (C) (X01). AUTODOC experts recommend:

- 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 – VAUXHALL Corsavan Mk II (C) (X01) – should be done with the engine switched off.

## CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

**1** Open the bonnet.

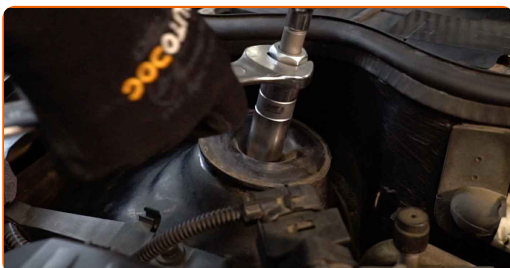
**2** Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

**3** Remove the shock strut mount cap. Use a flat screwdriver.



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

**5** Loosen the upper fastener of the shock strut mount. Use a shock absorber socket DDN#8. Use a drive socket #18. 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:**

- Important! Hold the wheel while unscrewing the fastening bolts. VAUXHALL Corsavan Mk II (C) (X01)

**10** Remove the wheel.



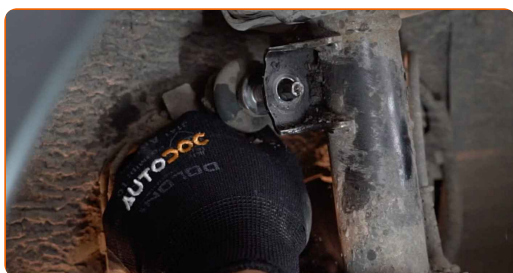
**11** Clean the stabiliser link fasteners. Use a wire brush. Use WD-40 spray.



**12** Unscrew the fastener connecting the stabilizer link to the shock strut. Use a combination spanner #18. Use a drive socket #8. Use a ratchet wrench.



**13** Remove the stabilizer rod.



Replacement: coil springs – VAUXHALL Corsavan Mk II (C) (X01). AUTODOC recommends:

- Examine stabiliser bushes. Replace them if needed.

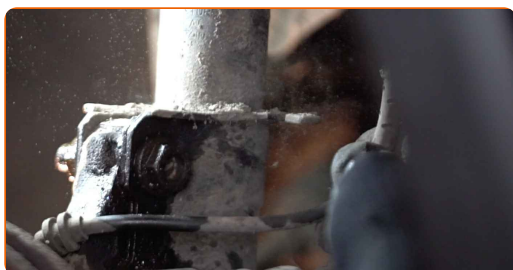
14

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



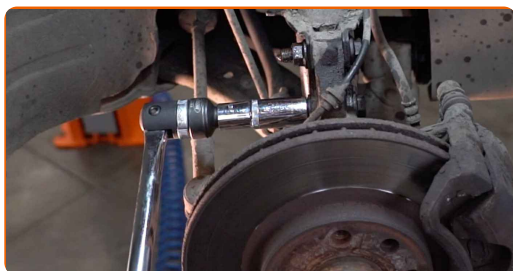
15

Disconnect the fastener of the ABS sensor cable from the shock absorber strut.



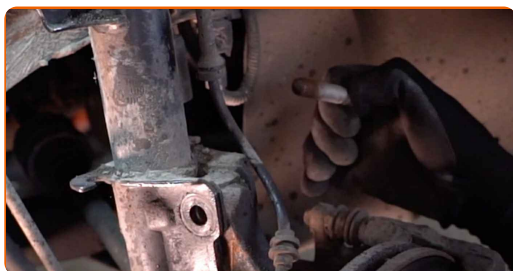
16

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.

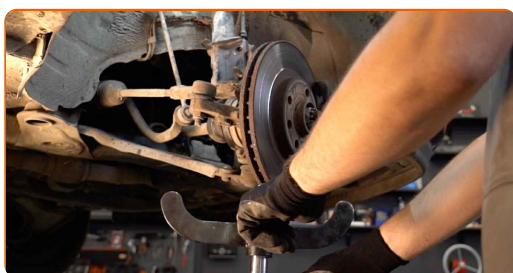




**17** Remove the fastening bolt.



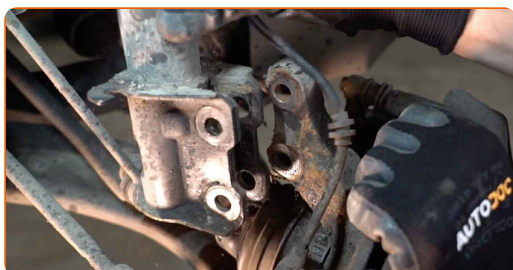
**18** Prop up the steering knuckle. Use a hydraulic transmission jack.



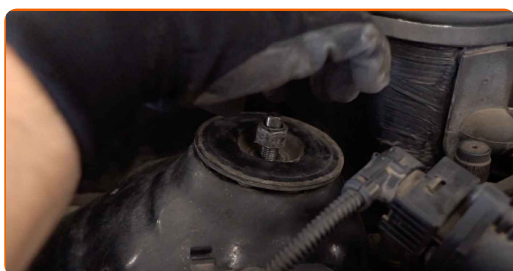
**19** Remove the fastening bolt.



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



**21** Unscrew the top fastening of the shock strut mount.



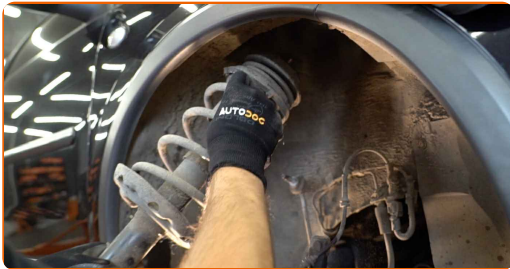


**AUTODOC recommends:**

- VAUXHALL Corsavan Mk II (C) (X01) – To avoid injury, hold the suspension strut while unscrewing the fastening bolts.

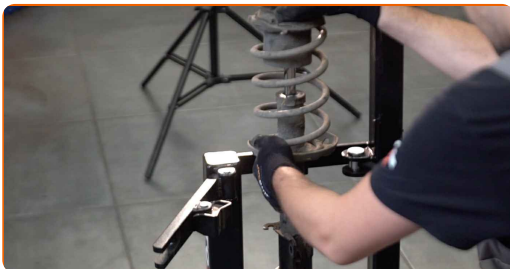
**22**

Remove the suspension strut.



**23**

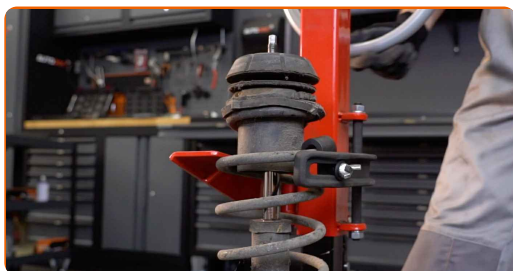
Set the shock absorber strut on the spring compressor tool.



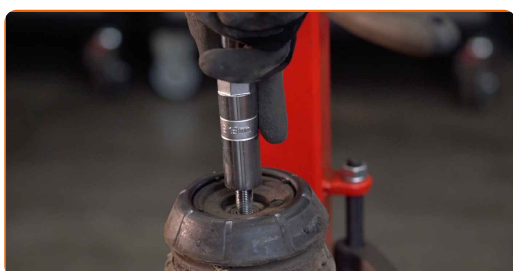
**Replacement: coil springs – VAUXHALL Corsavan Mk II (C) (X01).  
Professionals recommend:**

- 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.

**24** Compress the spring.



**25** Remove the strut piston rod nut. Use a drive socket #19. Use a shock absorber socket DDN#8. Use a ratchet wrench.



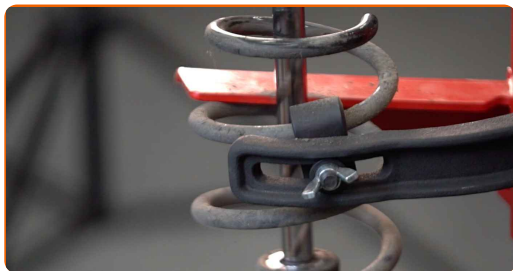
**26** Remove the shock absorber mount, boot and bump stop.



**AUTODOC recommends:**

- Replacement: coil springs – VAUXHALL Corsavan Mk II (C) (X01). Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

**27** Release the coil spring.



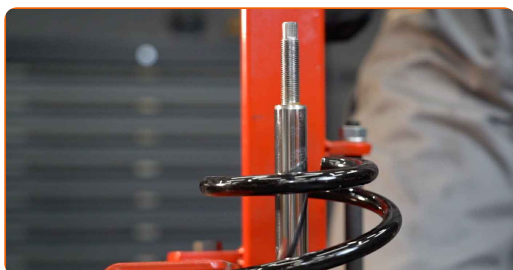
**28** Remove the spring.



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



**30** Compress the spring.



**31** Install the mount, the boot and the bump stop on the shock absorber.



- 32** Tighten the shock strut piston rod nut. Use a drive socket #19. Use a shock absorber socket DDN#8. Use a torque wrench. Tighten it to 55 Nm torque.



Replacement: coil springs – VAUXHALL Corsavan Mk II (C) (X01). Tip from AUTODOC:

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

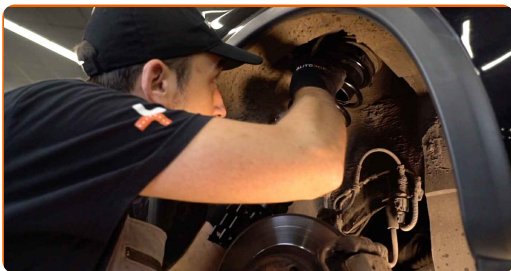
- 33** Decompress the spring.



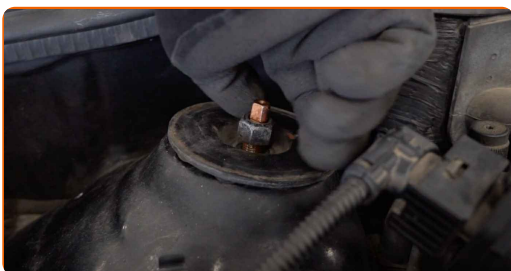
- 34** Remove the assembled shock strut.



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



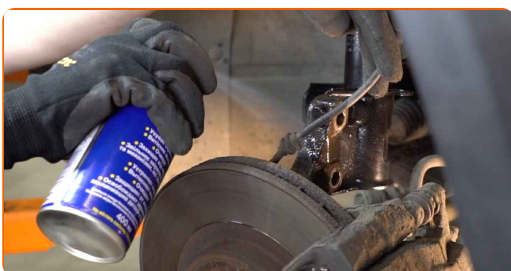
**36** Screw the top fastening of the shock strut mount. Do not tighten it.



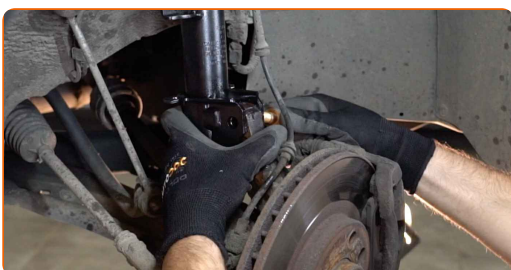
**AUTODOC recommends:**

- Important! Hold the suspension strut while screwing in the fastening bolts.  
VAUXHALL Corsavan Mk II (C) (X01)

**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.



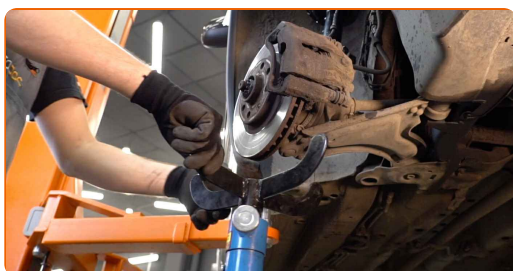
**39** Install the fastening bolts.



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



**41** Remove the support from under the steering knuckle.



**AUTODOC recommends:**

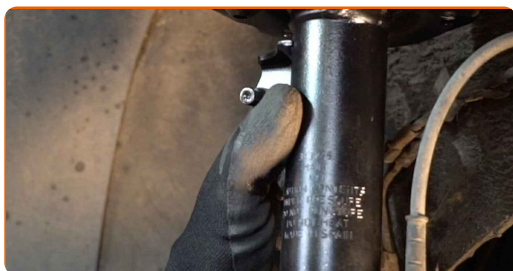
- VAUXHALL Corsavan Mk II (C) (X01) – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

**42** Connect the fastener of the ABS sensor cable to the shock absorber strut.

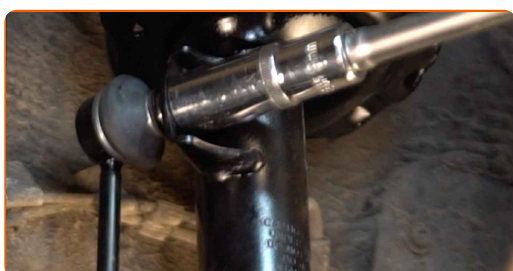




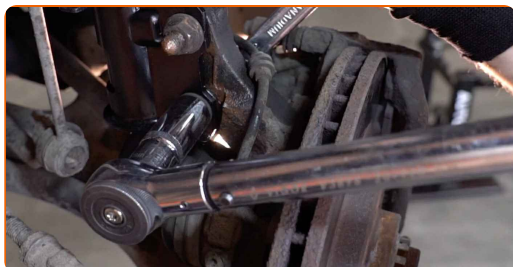
**43** Install the transverse stabilizer link.



**44** Tighten the fastener connecting the stabilizer link to the shock strut. Use a combination spanner #18. Use a drive socket #8. Use a torque wrench. Tighten it to 60 Nm torque.



**45** 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 80 Nm torque.+60°



**AUTODOC recommends:**

- Important! Be sure to use new fasteners.



46

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



47

Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: coil springs – VAUXHALL Corsavan Mk II (C) (X01). After applying the spray, wait a few minutes.

48

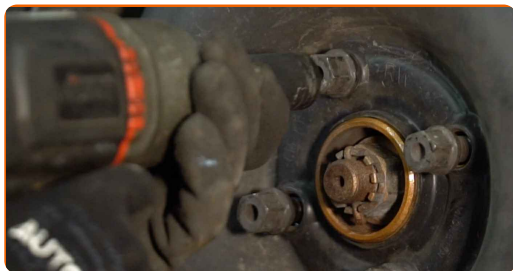
Install the wheel.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. VAUXHALL Corsavan Mk II (C) (X01)

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

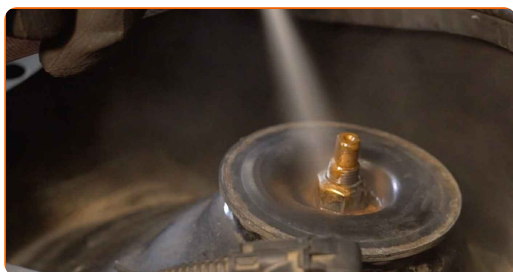


**50** Lower the car.

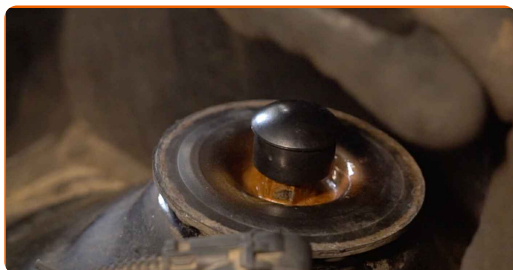
**51** Tighten the upper fastener of the shock absorber strut mount. Use a combination spanner #18. Use a drive socket #18. Use a shock absorber socket DDN#8. Use a ratchet wrench. Use a torque wrench. Tighten it to 55 Nm torque.



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

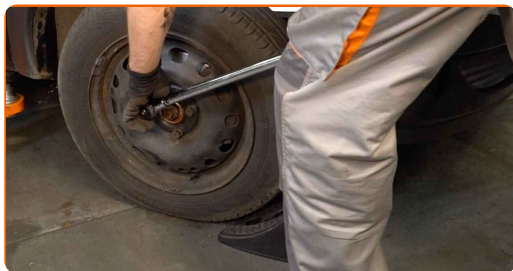


**53** Install the shock strut mount cap.



**54**

Tighten the wheel bolts using a criss-cross pattern. Use a torque wrench. Tighten it to 110 Nm torque.

**55**

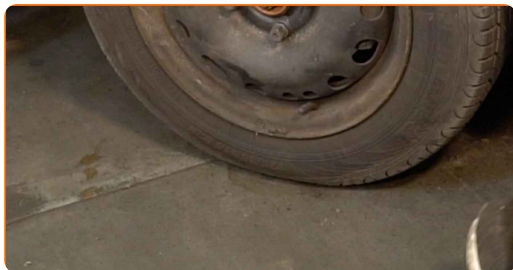
Remove the fender protection cover.

**56**

Close the hood.

**57**

Remove the jacks and chocks.



**WELL DONE!** 

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