



How to change front  
suspension strut on  
**OPEL Combo C Tour** –  
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:

OPEL Combo C Tour 1.6, OPEL Combo C Tour 1.7 DI 16V, OPEL Combo C Tour 1.7 DTI 16V, OPEL Combo C Tour 1.4, OPEL Combo C Tour 1.3 CDTI 16V, OPEL Combo C Tour 1.6 CNG, OPEL Combo C Tour 1.7 CDTI 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: SUSPENSION STRUT – OPEL COMBO C  
TOUR. TOOLS YOU MIGHT 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 №8
- Tap wrench
- Crow bar
- Hydraulic strut spring compressor
- Hydraulic transmission jack
- Fender cover
- Wheel chock

**Buy tools**

Replacement: suspension strut – OPEL Combo C Tour. Tip from AUTODOC:

- 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.
- All work should be done with the engine stopped.

**REPLACEMENT: SUSPENSION STRUT – OPEL COMBO C TOUR. TAKE THE FOLLOWING STEPS:**

**1** Open the bonnet.

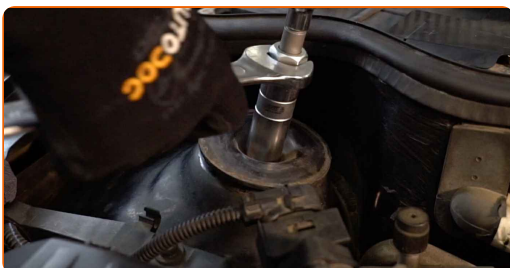
**2** Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

**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. OPEL Combo C Tour

**10** Remove the wheel.



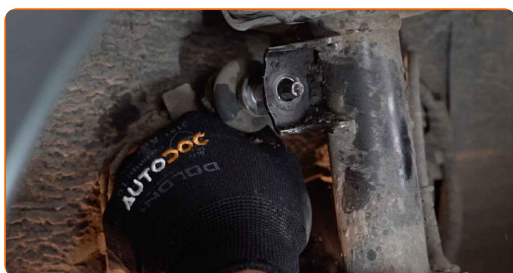
**11** Clean the stabiliser link fasteners. Use a wire brush. Use WD-40 spray.



**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: suspension strut – OPEL Combo C Tour. AUTODOC recommends:

- Examine stabiliser bushes. Replace them if needed.

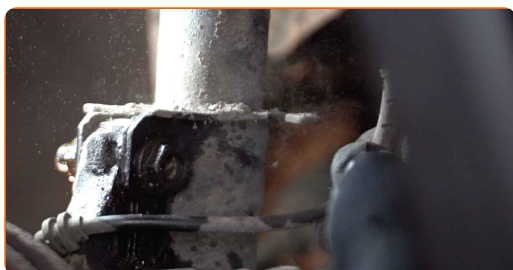
14

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.



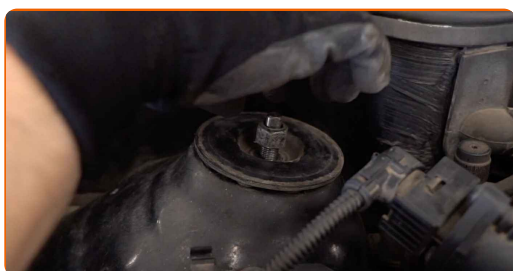
19 Remove the fastening bolt.



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



21 Unscrew the top fastening of the shock strut mount.



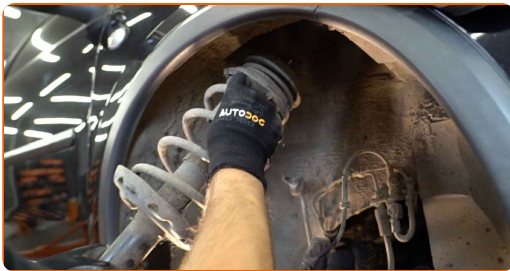


Replacement: suspension strut – OPEL Combo C Tour. Professionals recommend:

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

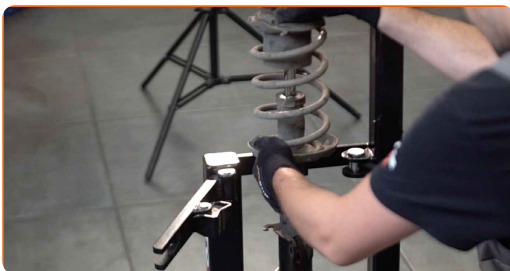
22

Remove the suspension strut.



23

Set the shock absorber strut on the spring compressor tool.



Replacement: suspension strut – OPEL Combo C Tour. 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.

**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.



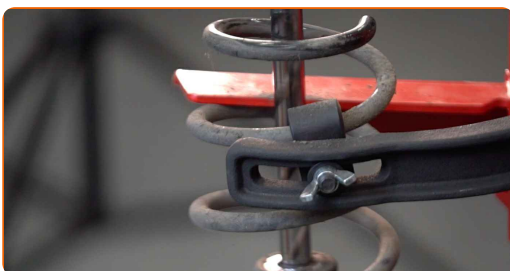
**26** Remove the shock absorber mount, boot and bump stop.



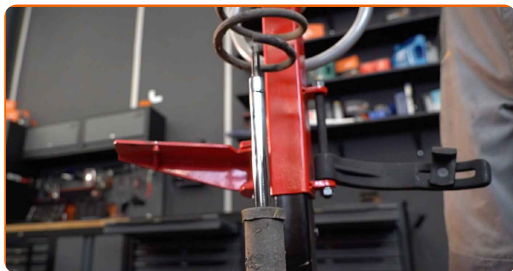
**AUTODOC recommends:**

- Replacement: suspension strut – OPEL Combo C Tour. 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** Remove the old shock absorber from the hydraulic coil spring compressor.



Replacement: suspension strut – OPEL Combo C Tour. AUTODOC experts recommend:

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

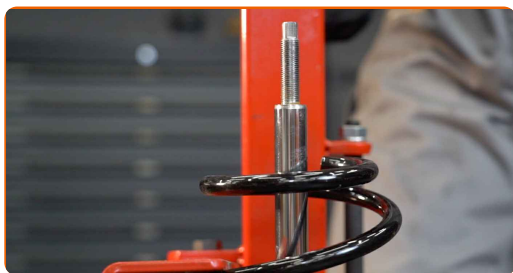
**30** Install the new shock absorber on the hydraulic coil spring compressor.



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



**32** Compress the spring.



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



**34** Tighten the shock strut piston rod nut. Use a drive socket #19. Use a shock absorber socket DDN<sup>®</sup>8. Use a torque wrench. Tighten it to 55 Nm torque.



Replacement: suspension strut – OPEL Combo C Tour. Tip from AUTODOC experts:

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

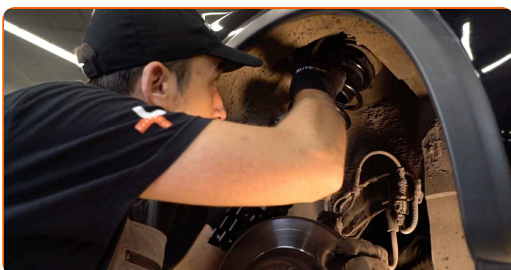
**35** Decompress the spring.



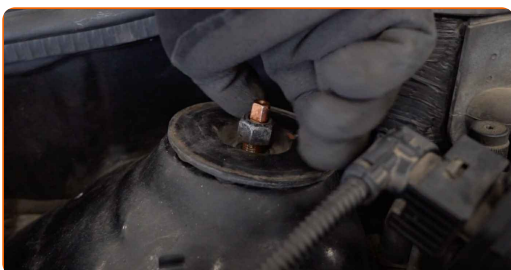
**36** Remove the assembled shock strut.



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



**38** 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. OPEL Combo C Tour

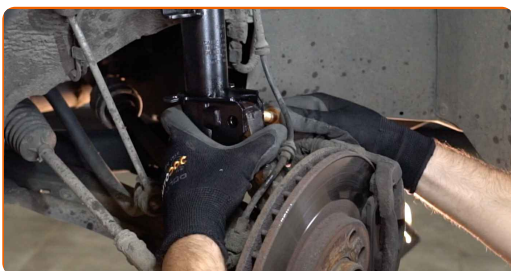
39

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



40

Fix the shock absorber strut on the steering knuckle.



41

Install the fastening bolts.



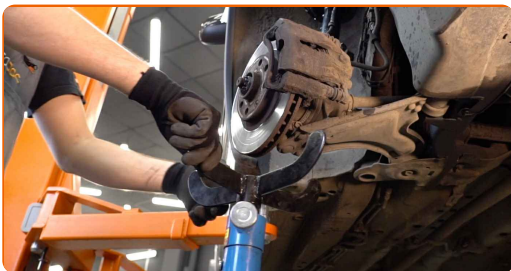
42

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



43

Remove the support from under the steering knuckle.



**AUTODOC recommends:**

- Replacement: suspension strut – OPEL Combo C Tour. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

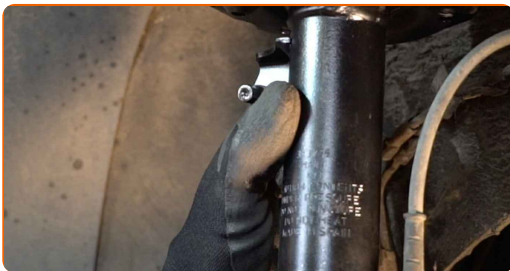
**44**

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



**45**

Install the transverse stabilizer link.



**46**

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.



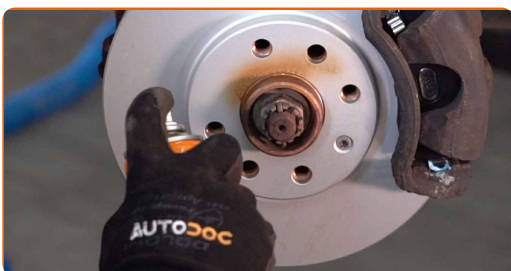
- 47 Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 80 Nm torque.+60°



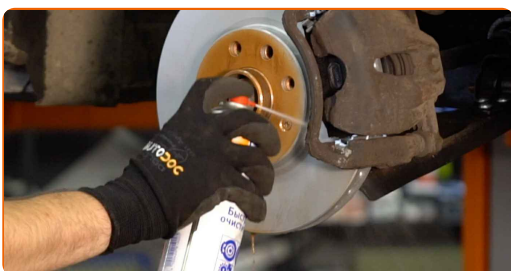
**AUTODOC recommends:**

- Important! Be sure to use new fasteners.

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



- 49 Clean the brake disk surface. Use a brake cleaner.



**Replacement: suspension strut – OPEL Combo C Tour. Tip from AUTODOC:**

- After applying the spray, wait a few minutes.



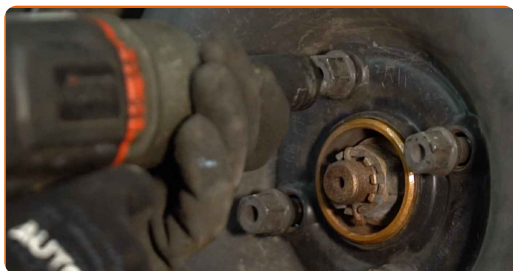
**50** Install the wheel.



**AUTODOC recommends:**

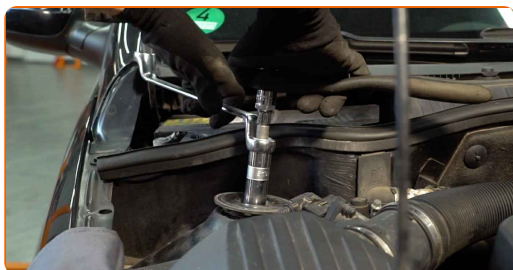
- Important! Hold the wheel while screwing in the fastening bolts. OPEL Combo C Tour

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

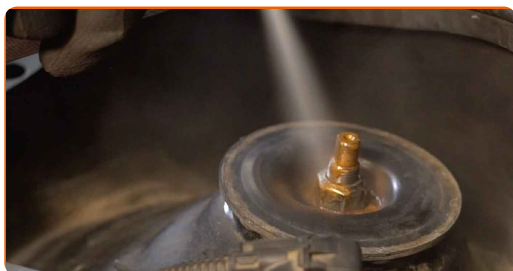


**52** Lower the car.

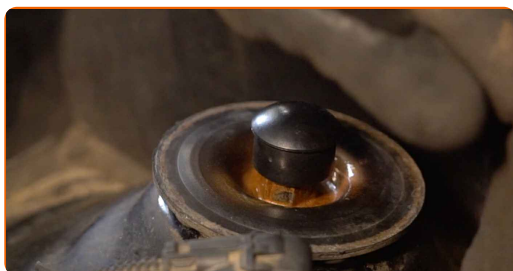
**53** Tighten the upper fastener of the shock absorber strut mount. Use a combination spanner #18. Use a drive socket #18. Use a shock absorber socket DDN#8. Use a ratchet wrench. Use a torque wrench. Tighten it to 55 Nm torque.



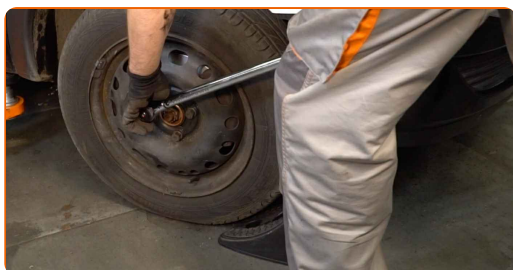
**54** Treat the fasteners of the shock strut mount. Use copper grease.



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



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

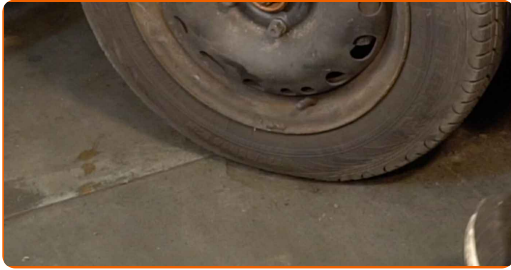


**57** Remove the fender protection cover.

**58** Close the hood.

59

Remove the jacks and chocks.



**WELL DONE!** 

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