



How to change front  
suspension strut on  
**OPEL ZAFIRA TOURER C**  
**(P12)** – replacement  
guide

## SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

### Important!

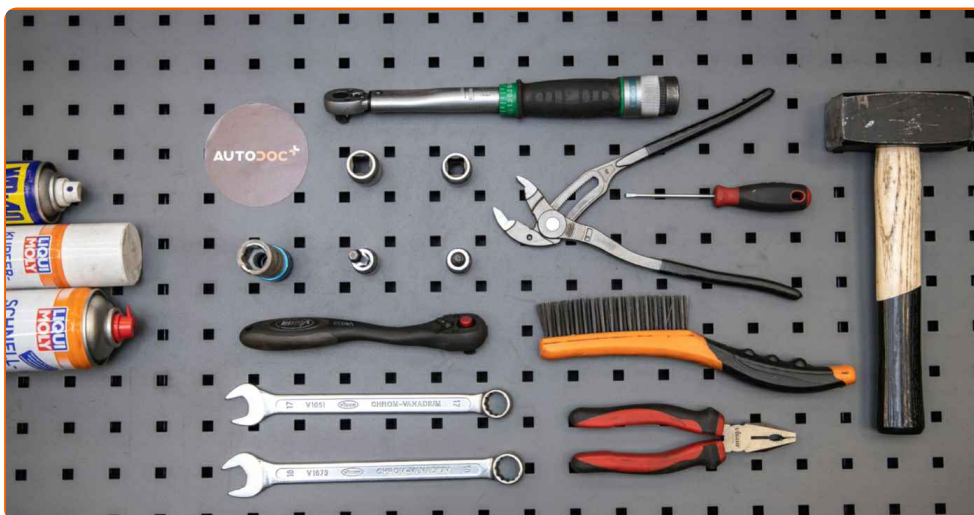
This replacement procedure can be used for:

OPEL ZAFIRA TOURER C (P12) 1.8 (75)

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 Astra H Saloon (A04) 1.6 (L69)

**REPLACEMENT: SUSPENSION STRUT – OPEL ZAFIRA TOURER C (P12). LIST OF THE TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #17
- Combination spanner #18
- Drive socket # 18
- Drive socket # 21
- HEX bit No.H6
- HEX bit No.H7
- Wheel impact socket #17
- Ratchet wrench
- Hammer
- Pliers
- Water pump pliers
- Flat Screwdriver
- Hydraulic strut spring compressor
- Hydraulic transmission jack
- Fender cover
- Wheel chock

**Buy tools**

Replacement: suspension strut – OPEL ZAFIRA TOURER C (P12). 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 – OPEL ZAFIRA TOURER C (P12) – 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** Secure the wheels with chocks.

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



**5** Raise the front of the car and secure on supports.

**6** Unscrew the wheel bolts.



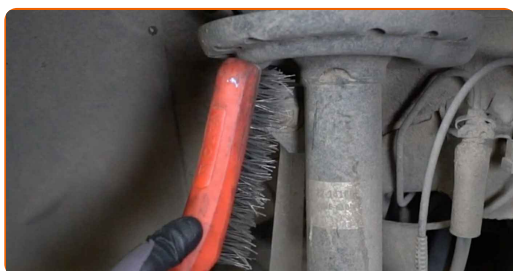
**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.  
OPEL ZAFIRA TOURER C (P12)

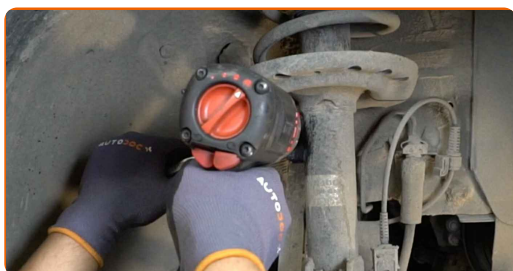
**7** Remove the wheel.



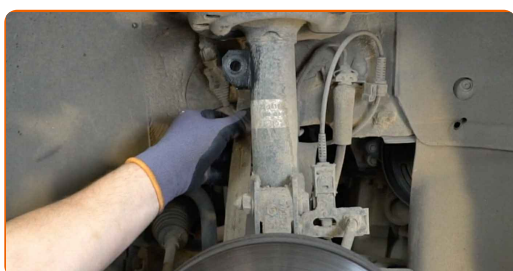
**8** Clean the stabiliser link fasteners. Use a wire brush. Use WD-40 spray.



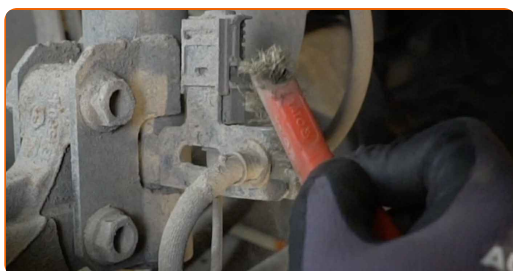
- 9** Unscrew the fastener connecting the stabilizer link to the shock strut. Use a combination spanner #17. Use a drive socket #18. Use a ratchet wrench.



- 10** Remove the stabilizer rod.



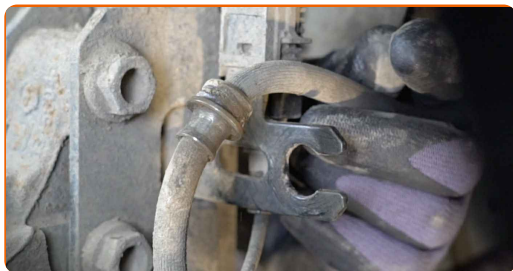
- 11** Clean the fasteners connecting the brake hose to the shock strut. Use a wire brush. Use WD-40 spray.



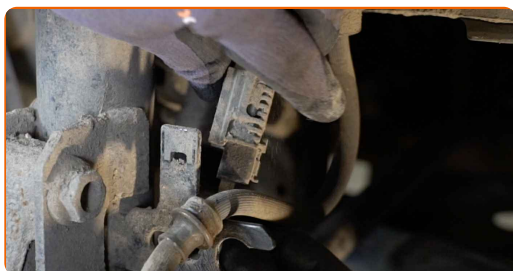
- 12** Remove the fastener attaching the brake hose to the shock strut. Use pliers.



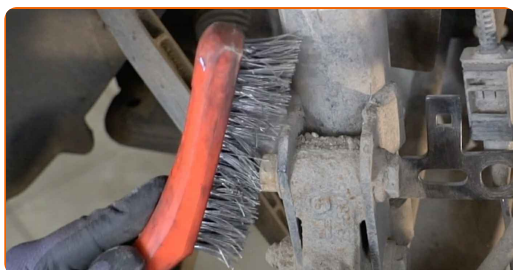
**13** Detach the brake hose from the shock strut.



**14** Disconnect the ABS sensor wiring.



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



**16** Unscrew the fasteners connecting the suspension strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.

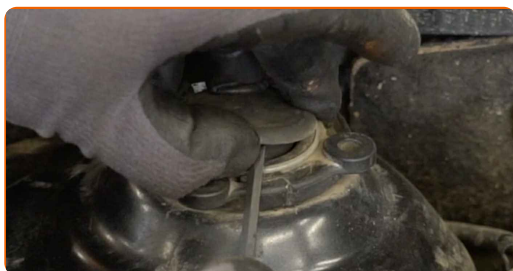




**17** Prop up the steering knuckle. Use a hydraulic transmission jack.



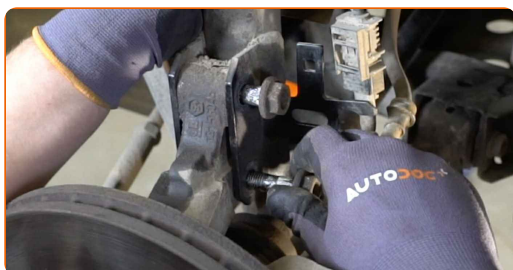
**18** Remove the shock strut mount cap.



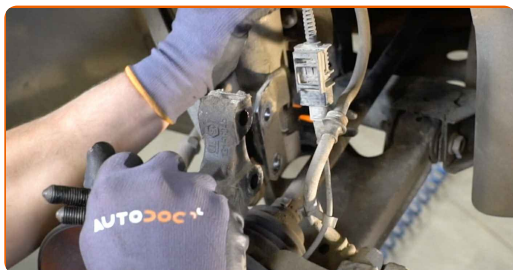
**19** Remove the retainer of the shock strut upper mount. Use a flat screwdriver.



**20** Remove the fastening bolts.



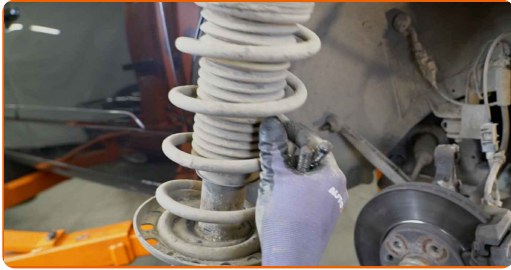
**21** Disconnect the steering knuckle from the shock absorber strut.





22

Remove the suspension strut.



23

Set the shock absorber strut on the spring compressor tool.



Replacement: suspension strut – OPEL ZAFIRA TOURER C (P12). Tip from AUTODOC:

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



**26** Remove the strut piston rod nut. Use HEX No.H7. Use a drive socket #21. Use a ratchet wrench.



**27** Remove the top strut mount.



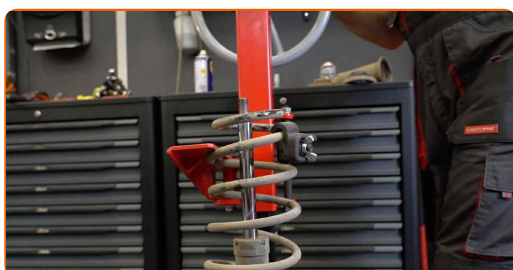
**AUTODOC recommends:**

- Replacement: suspension strut – OPEL ZAFIRA TOURER C (P12). Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

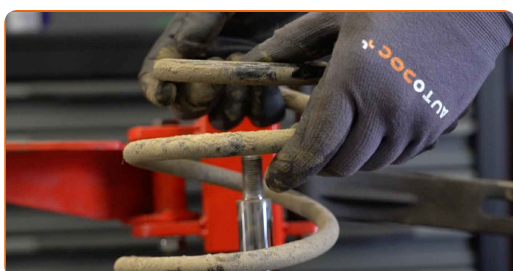
**28** Remove the shock absorber dust cap and the bump stop.



**29** Release the coil spring.



**30** Remove the spring.



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



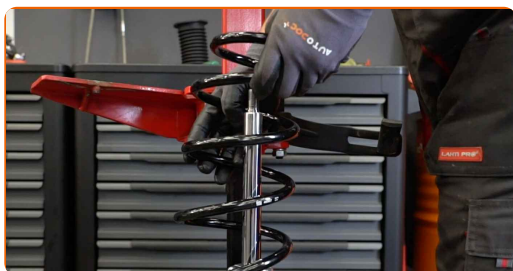
Replacement: suspension strut – OPEL ZAFIRA TOURER C (P12). AUTODOC experts recommend:

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

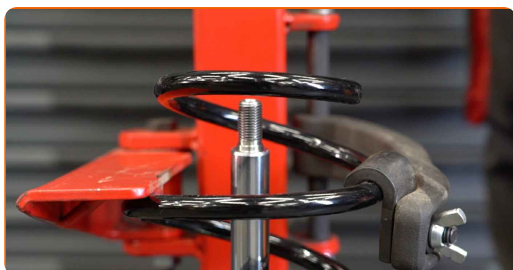
**32** Install the new shock absorber on the hydraulic coil spring compressor.



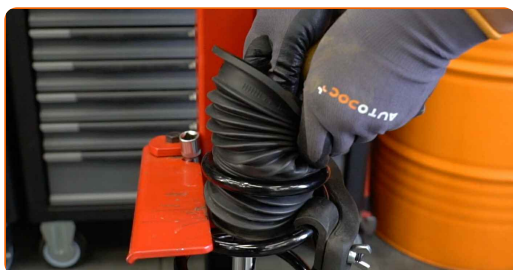
**33** Install the spring on the shock absorber.



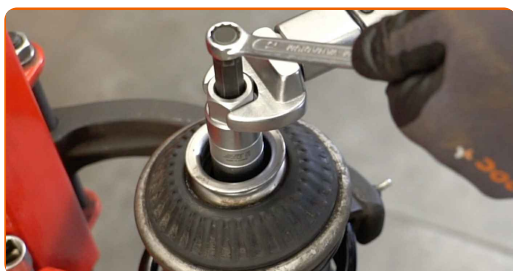
**34** Compress the spring.



**35** Install the mount, boot and bump stop onto a new shock absorber.



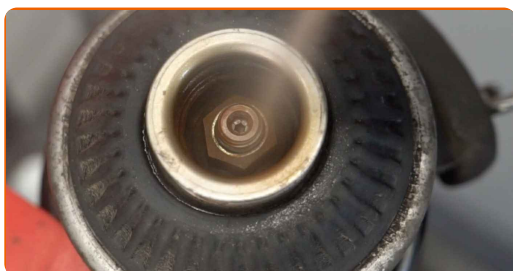
- 36** Tighten the shock strut piston rod nut. Use HEX No.H6. Use a drive socket #21. Use a torque wrench. Tighten it to 65 Nm torque.



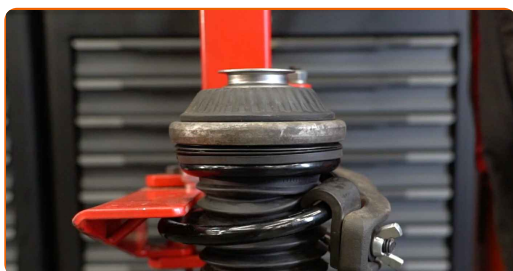
**AUTODOC recommends:**

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

- 37** Treat the shock strut rod. Use copper grease.



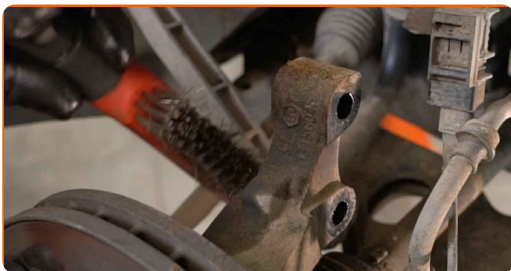
- 38** Decompress the spring.



- 39** Remove the assembled shock strut.



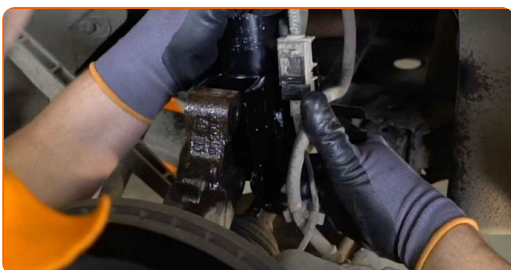
**40** Clean the mounting seats of the shock strut. Use a wire brush. Use WD-40 spray.



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



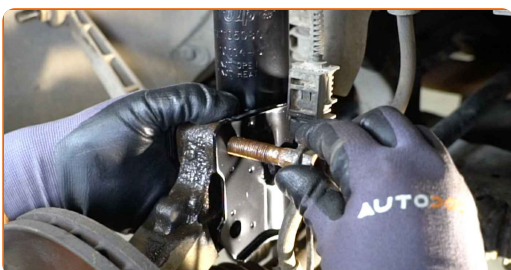
**42** Fix the shock absorber strut on the steering knuckle.



**AUTODOC recommends:**

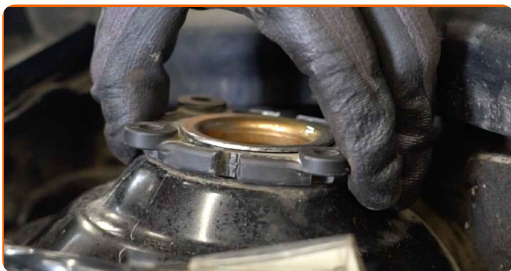
- OPEL ZAFIRA TOURER C (P12) – To avoid injury, hold the suspension strut while screwing in the fastening bolts.

**43** Install the fastening bolts.

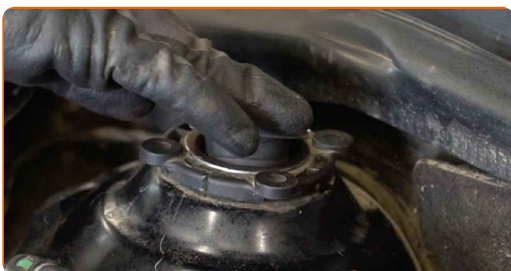




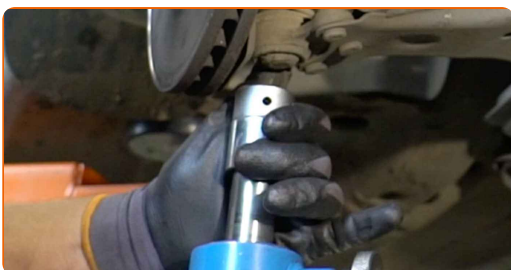
**44** Install the retainer of the shock strut upper mount. Use water pump pliers.



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



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

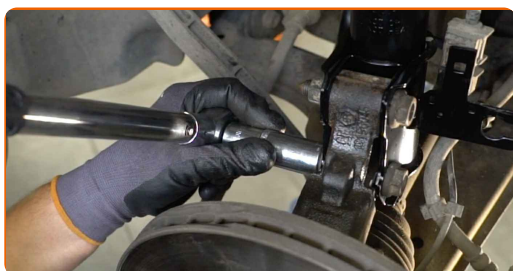


**AUTODOC recommends:**

- Replacement: suspension strut – OPEL ZAFIRA TOURER C (P12). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.



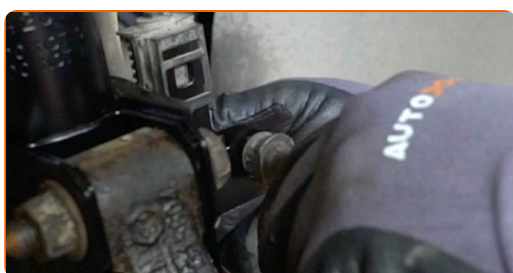
- 47** Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 120 Nm torque.



- 48** Connect the ABS sensor wiring.



- 49** Fasten the brake hose on the strut.



- 50** Install the brake hose retaining clip. Use a hammer.



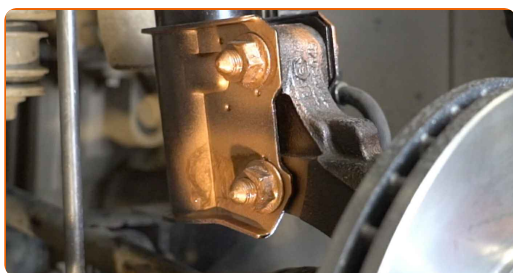
**51** Install the transverse stabilizer link.



**52** Tighten the fastener connecting the stabilizer link to the shock strut. Use a combination spanner #17. Use a drive socket #18. Use a torque wrench. Tighten it to 55 Nm torque.



**53** Treat the fasteners of the shock strut mount. Treat the steering knuckle fasteners. Use copper grease.

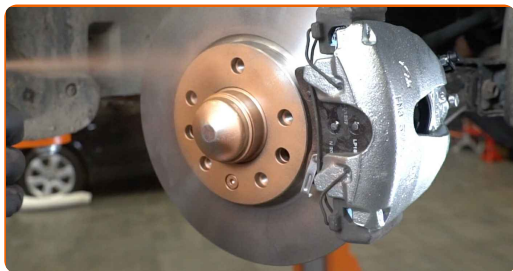


**54** Clean the wheel rim mounting seat. Use a wire brush.



55

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



56

Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: suspension strut – OPEL ZAFIRA TOURER C (P12). After applying the spray, wait a few minutes.

57

Install the wheel.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. OPEL ZAFIRA TOURER C (P12)

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



**59** Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 110 Nm torque.



**60** Remove the jacks and chocks.



**61** Remove the fender protection cover.

**62** Close the hood.

**WELL DONE!** 

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