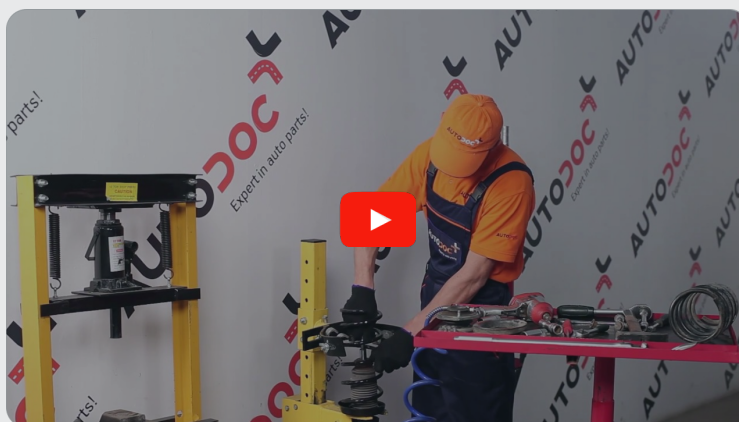




How to change front coil
springs on **Opel Corsa**
S93 – replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

OPEL Corsa B Hatchback (S93) 1.2 i (X 12 SZ, C 12 NZ), OPEL Corsa B Hatchback (S93) 1.4 i (F08, F68, M68), OPEL Corsa B Hatchback (S93) 1.4 Si (F08, F68, M68), OPEL Corsa B Hatchback (S93) 1.4 i 16V (F08, F68, M68), OPEL Corsa B Hatchback (S93) 1.0 i 12V (F08, F68, M68), OPEL Corsa B Hatchback (S93) 1.2 i 16V (F08, F68, M68), OPEL Corsa B Van (S93) 1.4 i (F08, W5L), OPEL Corsa B Hatchback (S93) 1.2 i (12 NZ), OPEL Corsa B Hatchback (S93) 1.4 (F08, F68, M68), OPEL Corsa B Van (S93) 1.2 (F08, W5L)

The steps may slightly vary depending on the car design.

REPLACEMENT: COIL SPRINGS – OPEL CORSA S93. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #18
- Drive socket # 10
- Drive socket # 13
- Drive socket # 18
- Drive socket # 19
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Hydraulic strut spring compressor
- Fender cover
- Wheel chock

[BUY TOOLS](#)

Replacement: coil springs – Opel Corsa S93. 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.
- All work should be done with the engine stopped.

REPLACEMENT: COIL SPRINGS – OPEL CORSA S93. RECOMMENDED SEQUENCE OF STEPS:

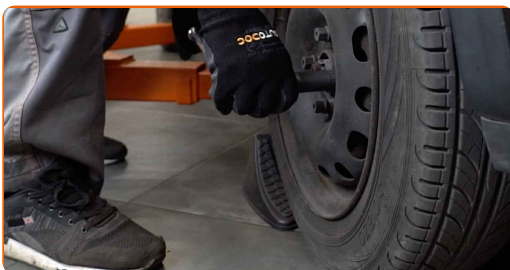
1

Secure the wheels with chocks.



2

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

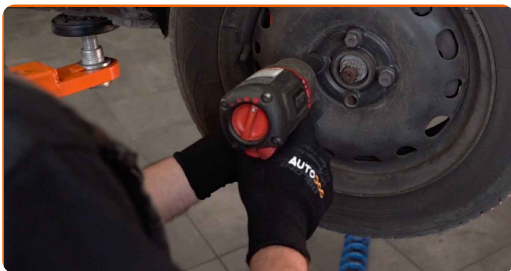


3

Raise the front of the car and secure on supports.

4

Unscrew the wheel bolts.

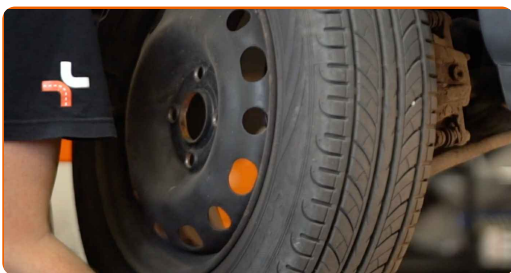


AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. Opel Corsa S93

5

Remove the wheel.

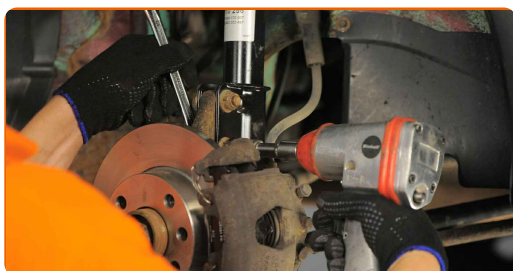


6

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

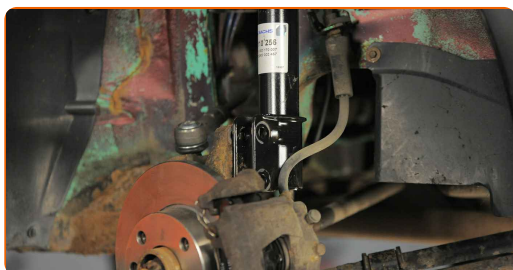


- 7** Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



- 8** Remove the fastening bolts.

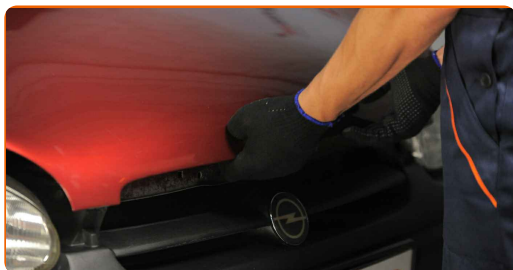
- 9** Disconnect the steering knuckle from the shock absorber strut.



- 10** Lower the car.

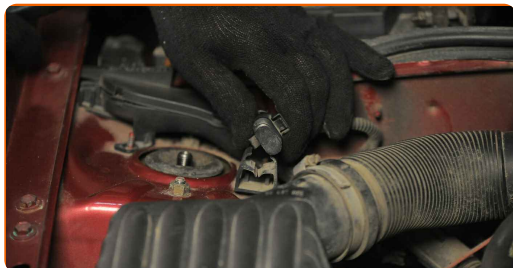


- 11** Open the bonnet.

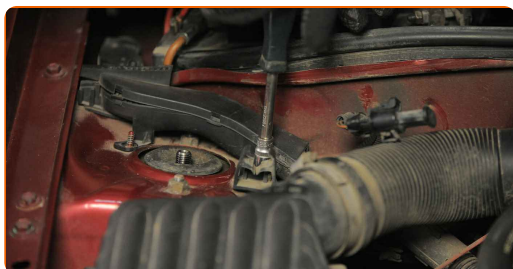


12 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

13 Disconnect the engine wiring harness connector.



14 Unscrew the fasteners of the engine wiring harness bracket. Use a drive socket #10. Use a ratchet wrench.

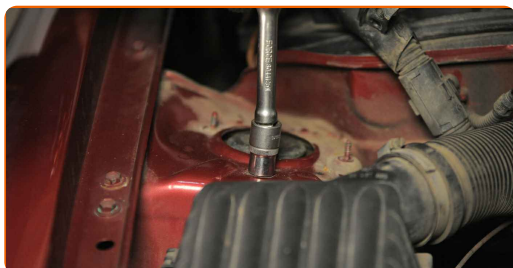


15 Detach the engine wiring harness.



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

17 Unscrew the top fastening of the shock strut mount. Use a drive socket #13. Use a ratchet wrench.



Replacement: coil springs – Opel Corsa S93. AUTODOC recommends:

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

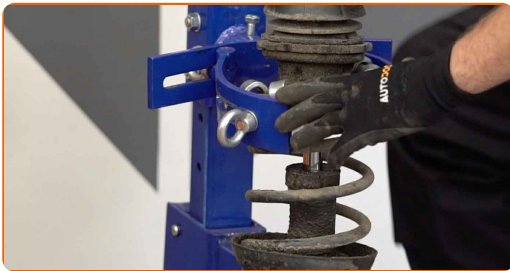
18

Remove the suspension strut.



19

Set the shock absorber strut on the spring compressor tool.



Replacement: coil springs – Opel Corsa S93. 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.

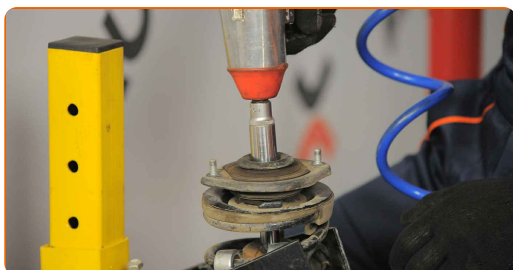
20 Compress the spring.



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



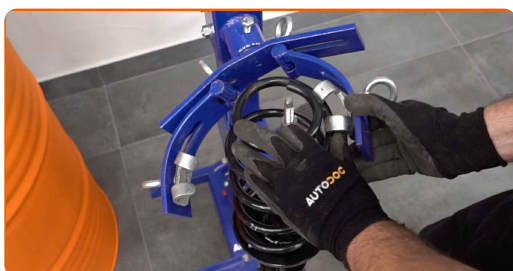
22 Remove the strut piston rod nut. Use a drive socket #19. Use a ratchet wrench.



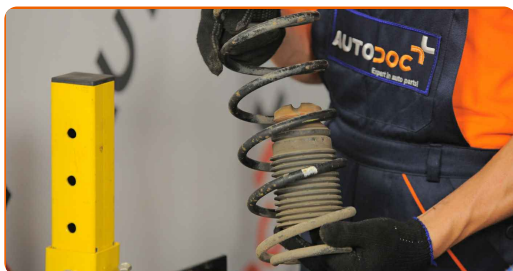
23 Remove the top strut mount.



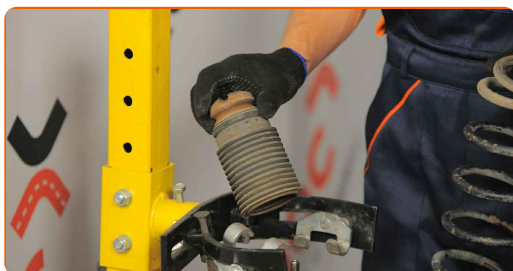
24 Release the coil spring.



25 Remove the spring.



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



AUTODOC recommends:

- Replacement: coil springs – Opel Corsa S93. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

27 Install the spring on the shock absorber.

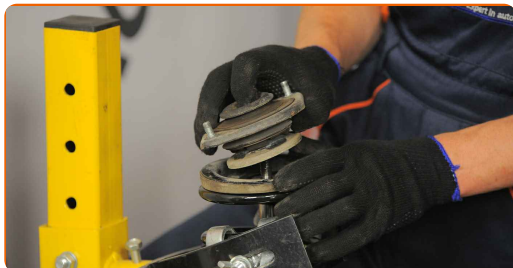


28 Install the boot and a bump stop onto the shock absorber.



29 Compress the spring.

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



31 Tighten the shock strut piston rod nut. Use a drive socket #19. Use a torque wrench. Tighten it to 55 Nm torque.



Replacement: coil springs – Opel Corsa S93. Tip:

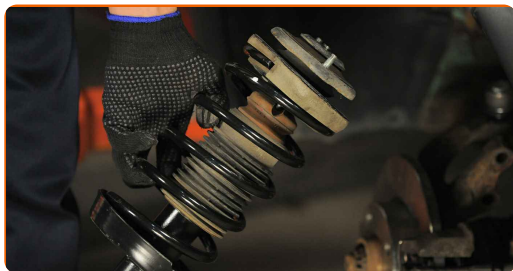
- Check to make sure the spring is positioned correctly. Avoid its misalignment.

32 Decompress the spring.



33 Remove the assembled shock strut.

34 Install the shock strut into the wheel arch.

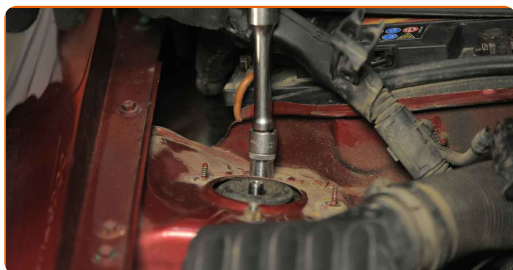


35 Screw the top fastening of the shock strut mount.

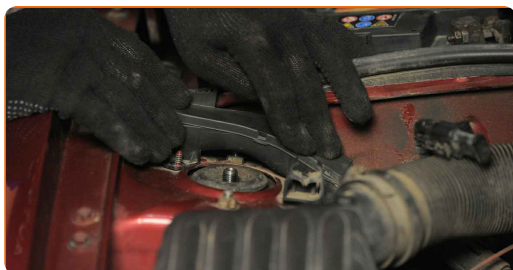
AUTODOC recommends:

- Important! Hold the suspension strut while screwing in the fastening bolts. Opel Corsa S93

36 Tighten the upper fastener of the shock absorber strut mount. Use a drive socket #13. Use a torque wrench. Tighten it to 30 Nm torque.



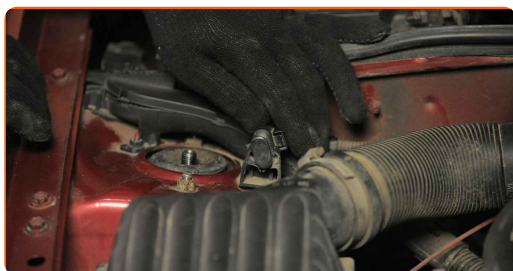
37 Attach the engine wiring harness.



38 Screw in the fasteners of the engine wiring harness bracket. Use a drive socket #10. Use a ratchet wrench.

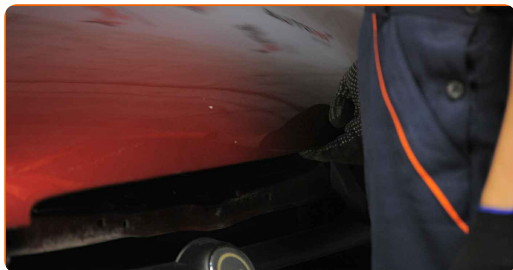


39 Connect the engine wiring harness connector.



40 Remove the fender protection cover.

41 Close the hood.

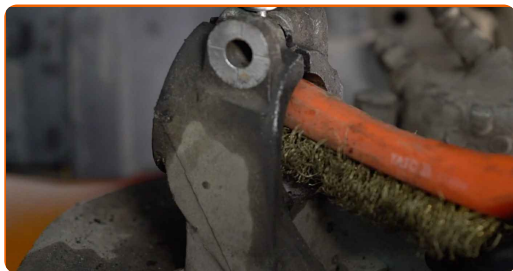


42 Raise the front of the car and secure on supports.



43

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



44

Fix the shock absorber strut on the steering knuckle.



45

Install the fastening bolts.

46

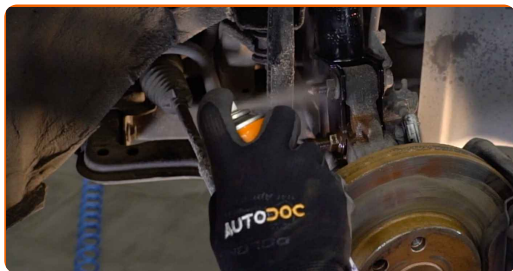
Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 90 Nm torque.+45°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

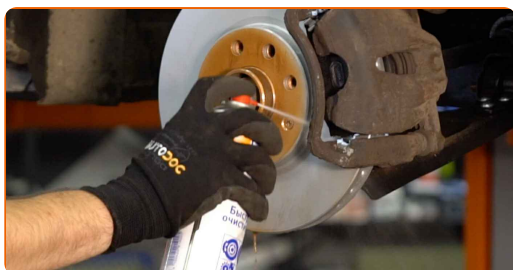
47 Treat the shock strut fasteners. Use copper grease.



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.



AUTODOC recommends:

- Replacement: coil springs – Opel Corsa S93. After applying the spray, wait a few minutes.

50 Install the wheel.



Replacement: coil springs – Opel Corsa S93. Professionals recommend:

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

51

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



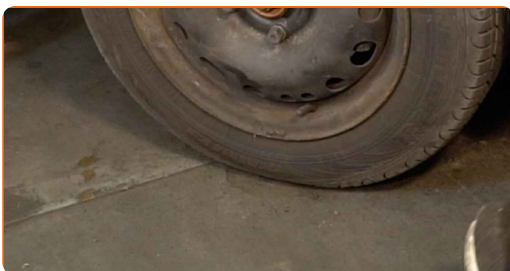
52

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.



53

Remove the jacks and chocks.

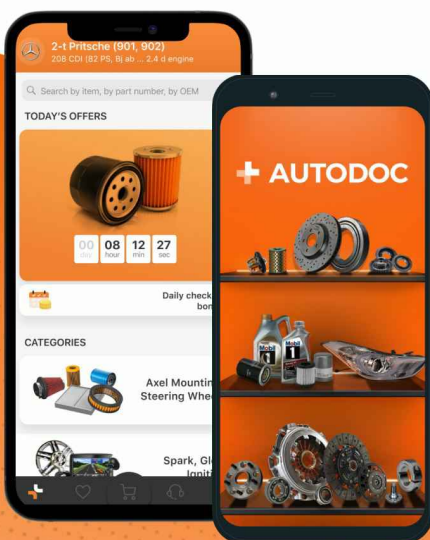


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