



How to change front  
suspension strut on  
**OPEL Corsa D Van (S07)**  
– 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 Corsa D Van (S07) 1.3 CDTI (L08), OPEL Corsa D Van (S07) 1.2 (L08)

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 D Hatchback (S07) 1.3 CDTI (L08, L68)

**REPLACEMENT: SUSPENSION STRUT – OPEL CORSA D VAN (S07). TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #15
- Combination spanner #18
- Torx bit T30
- Torx bit T40
- Drive socket # 13
- Drive socket # 18
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Shock absorber socket #9
- Clip removal tool
- Crow bar
- Rubber mallet
- Hydraulic strut spring compressor
- Hydraulic transmission jack
- Fender cover
- Wheel chock

**Buy tools**

Replacement: suspension strut – OPEL Corsa D Van (S07). 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 Corsa D Van (S07) – 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.

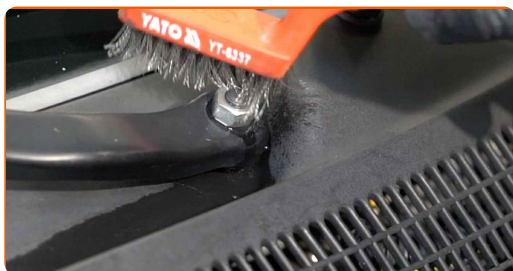
**3** Remove the cowl grille seal.



**4** Remove the windscreen wiper arm nut covers. Use a clip removal tool.



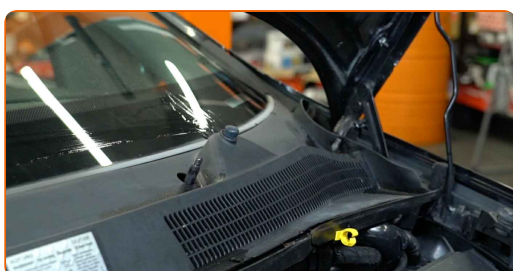
**5** Treat the wiper arm fasteners. Use a wire brush. Use WD-40 spray.



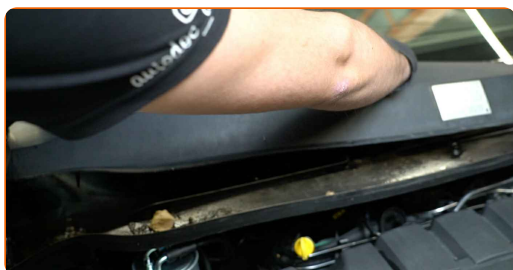
**6** Unscrew the fasteners of the windscreen wiper arms. Use a drive socket #13. Use a ratchet wrench.



**7** Remove the wiper arms.

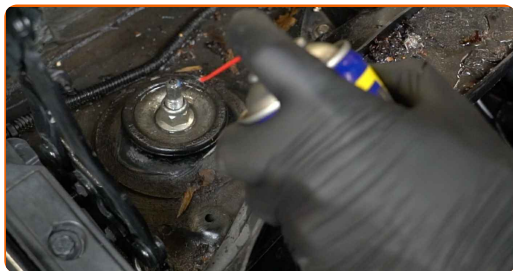


**8** Raise up and remove the cowl grille.



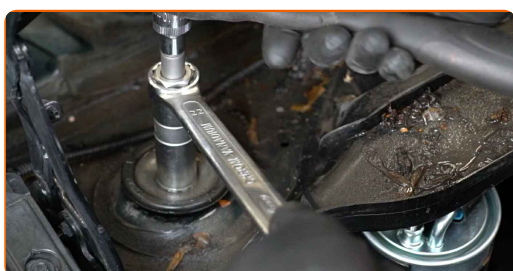
9

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



10

Loosen the upper fastener of the shock strut mount. Use a shock absorber socket №9 Use a drive socket #18. Use a ratchet wrench.



11

Secure the wheels with chocks.



12

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



13

Raise the front of the car and secure on supports.

14

Unscrew the wheel bolts.



Replacement: suspension strut – OPEL Corsa D Van (S07). AUTODOC experts recommend:

- To avoid injury, hold up the wheel when unscrewing the bolts.

15

Remove the wheel.

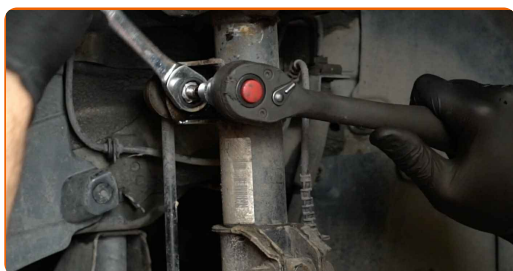


16

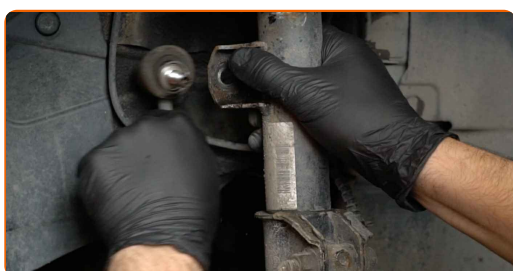
Clean the stabiliser link fasteners. Use a wire brush. Use WD-40 spray.



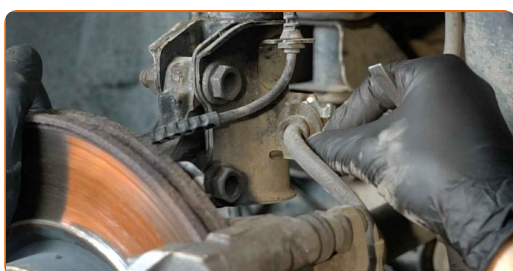
- 17 Unscrew the fastener connecting the stabilizer link to the shock strut. Use a combination spanner #15. Use Torx T30. Use a ratchet wrench.



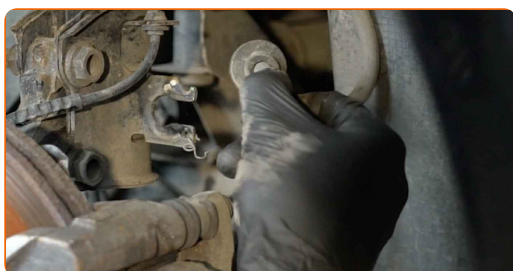
- 18 Remove the stabilizer rod.



- 19 Remove the brake hose retaining clip.



- 20 Disconnect the brake hose. Use a crowbar.



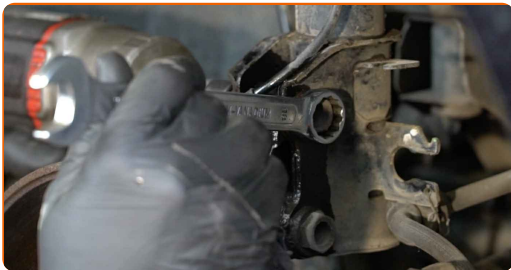
- 21 Disconnect the ABS sensor wiring.



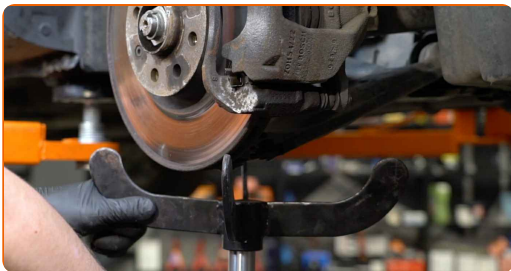
**22** Clean the fasteners connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.



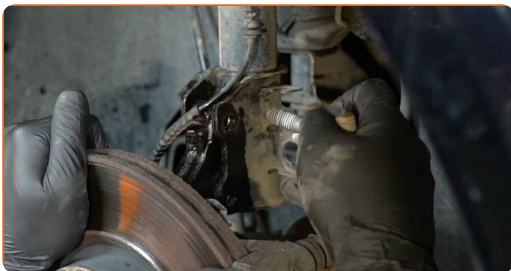
**23** Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a tap wrench.



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



**25** Remove the fastening bolts.



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



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



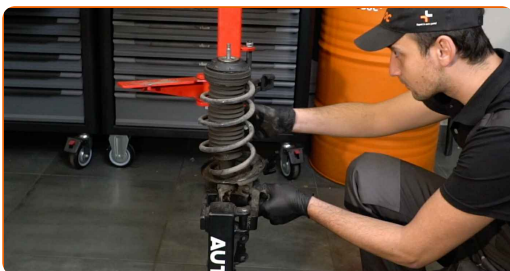
**AUTODOC recommends:**

- Important! Hold the suspension strut while unscrewing the fastening bolts. OPEL Corsa D Van (S07)

**28** Remove the suspension strut.



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

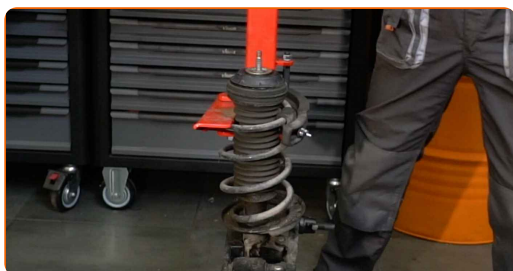


Replacement: suspension strut – OPEL Corsa D Van (S07). AUTODOC recommends:

- 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.

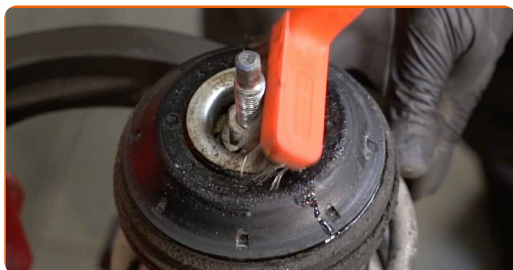
30

Compress the spring.



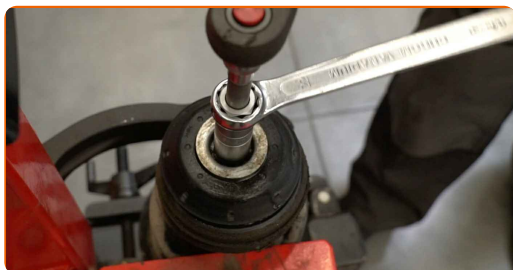
31

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



32

Remove the strut piston rod nut. Use a shock absorber socket №9 Use a drive socket #18. Use a ratchet wrench.



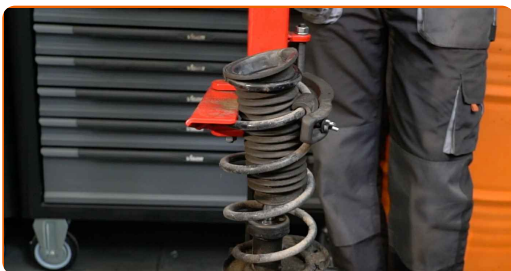
**33** Remove the top strut mount.



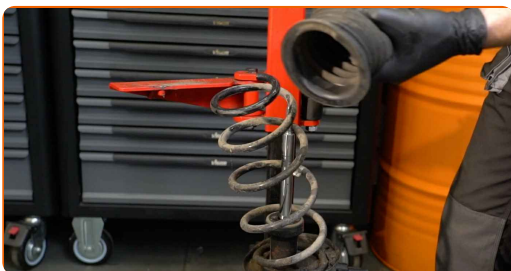
**AUTODOC recommends:**

- Replacement: suspension strut – OPEL Corsa D Van (S07). Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

**34** Release the coil spring.



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



**36** Remove the spring.



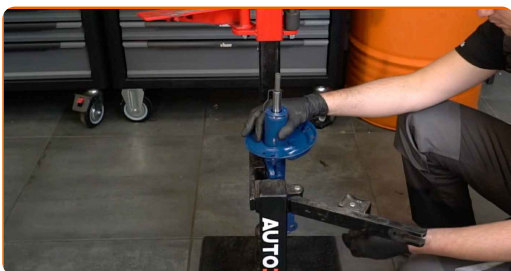
**37** Remove the old shock absorber from the hydraulic coil spring compressor.



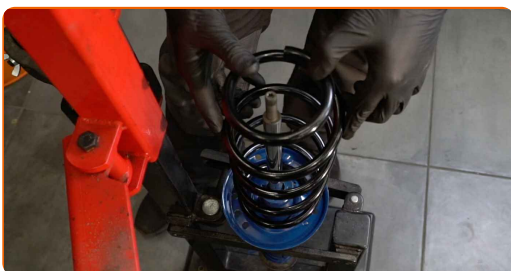
Replacement: suspension strut – OPEL Corsa D Van (S07). Tip:

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

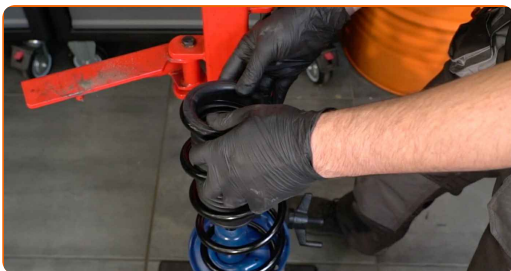
**38** Install the new shock absorber on the hydraulic coil spring compressor.



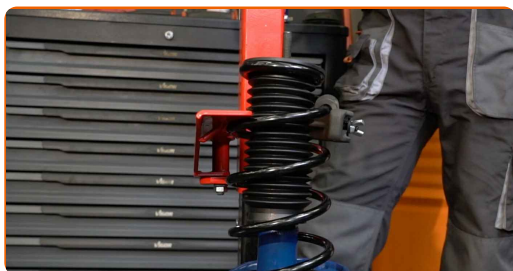
**39** Install the spring on the shock absorber.



**40** Install the dust sleeve and the bump stop on the new shock absorber.



**41** Compress the spring.



**42** Install the upper strut mount and the strut mount bearing.



**43** Tighten the shock strut piston rod nut. Use a drive socket #18. Use Torx T40. Use a torque wrench. Tighten it to 50 Nm torque.



Replacement: suspension strut – OPEL Corsa D Van (S07). AUTODOC experts recommend:

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

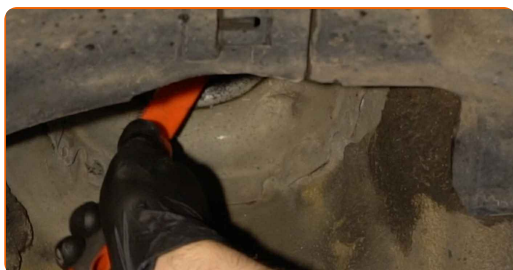
**44** Decompress the spring.



**45** Remove the assembled shock strut.



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



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



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



Replacement: suspension strut – OPEL Corsa D Van (S07). AUTODOC recommends:

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

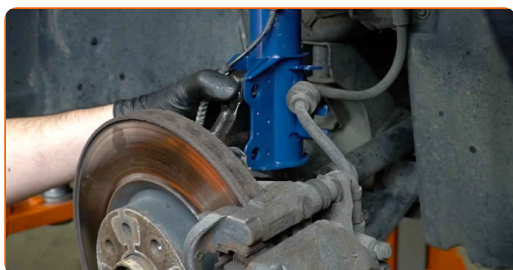
49

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



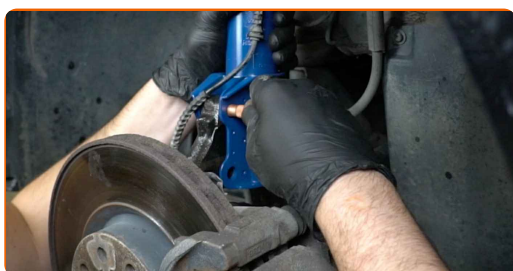
50

Fix the shock absorber strut on the steering knuckle.



51

Install the fastening bolts.

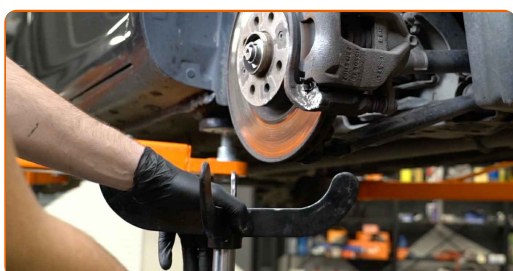




- 52** Screw in the fastener that connects the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



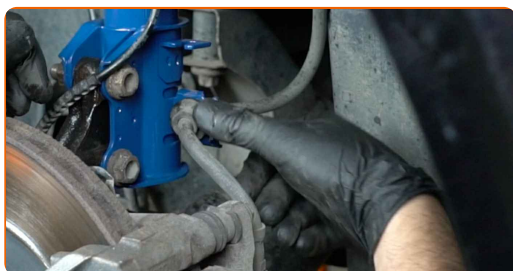
- 53** Remove the support from under the steering knuckle.



**AUTODOC recommends:**

- OPEL Corsa D Van (S07) – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

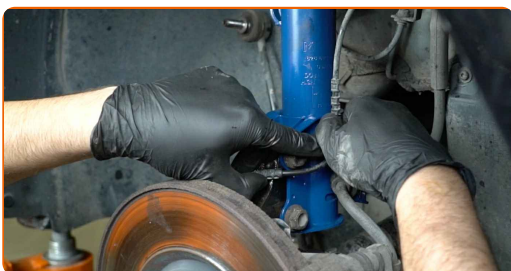
- 54** Attach the brake hose.



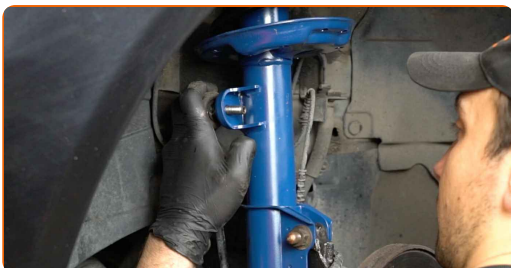
**55** Install the brake hose retaining clip. Use a rubber mallet.



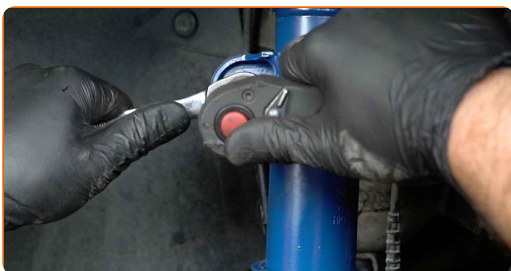
**56** Connect the ABS sensor wiring.



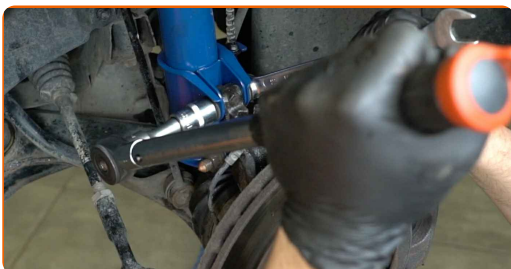
**57** Install the transverse stabilizer link.



**58** Tighten the fastener connecting the stabilizer link to the shock strut. Use a combination spanner #15. Use Torx T30. Use a torque wrench. Tighten it to 40 Nm torque.



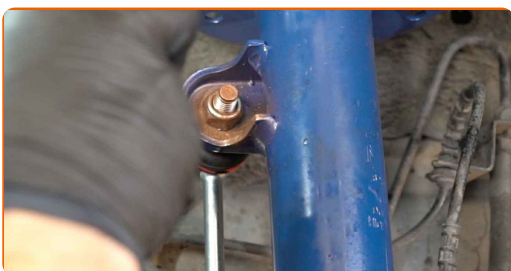
- 59** Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a drive socket #18. Use a torque wrench. Tighten it to 80 Nm torque.+60°



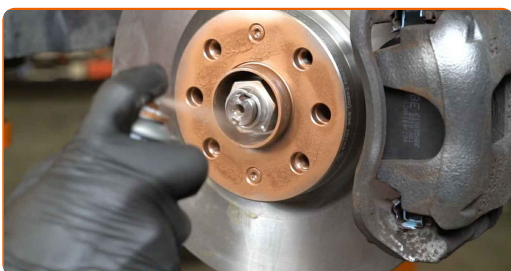
**AUTODOC recommends:**

- Important! Be sure to use new fasteners.

- 60** Treat the shock strut fasteners. Use copper grease.

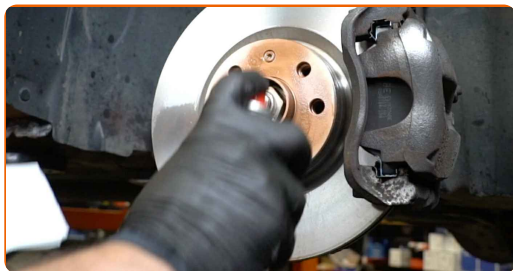


- 61** Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



62

Clean the brake disk surface. Use a brake cleaner.



Replacement: suspension strut – OPEL Corsa D Van (S07). Tip:

- After applying the spray, wait a few minutes.

63

Install the wheel.



AUTODOC recommends:

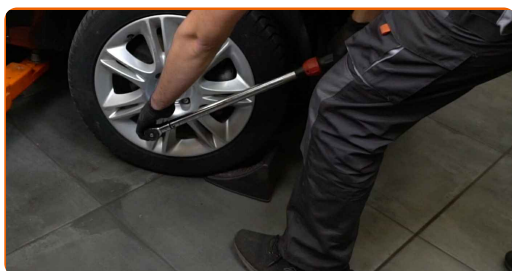
- Important! Hold the wheel while screwing in the fastening bolts. OPEL Corsa D Van (S07)

64

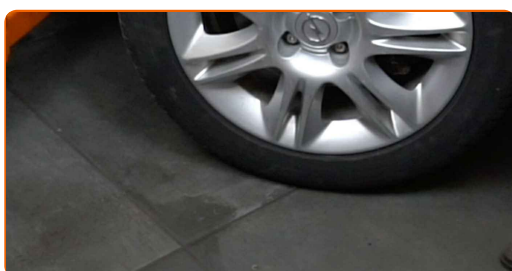
Screw in the wheel bolts. Use wheel impact socket #17.



- 65** 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.



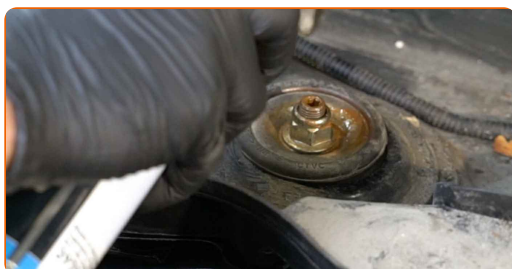
- 66** Remove the jacks and chocks.



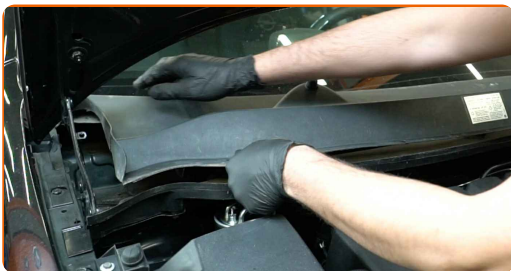
- 67** Tighten the upper fastener of the shock absorber strut mount. Use a drive socket #18. Use Torx T40. Use a torque wrench. Tighten it to 45 Nm torque.



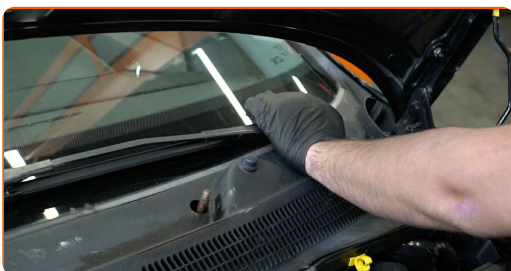
- 68** Treat the fasteners of the shock strut mount. Use copper grease.



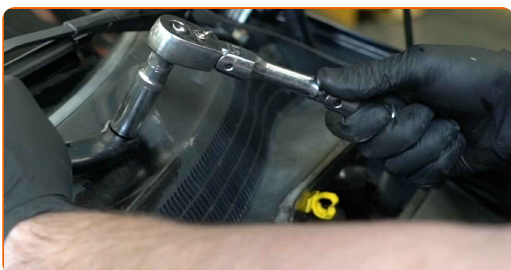
**69** Install and secure the cowl grille.



**70** Reinstall the wiper arms.



**71** Tighten the fasteners of the wiper arms. Use a drive socket #13. Use a torque wrench. Tighten it to 21 Nm torque.



Replacement: suspension strut – OPEL Corsa D Van (S07). Tip from AUTODOC experts:

- Make sure not to mix up the wiper arms on the driver's and passenger's sides.

**72** Install the nut covers of the windscreen wiper arms.

73

Install the cowl grille seal.



74

Remove the fender protection cover.

75

Close the hood.

**WELL DONE!** 

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