



How to change front
suspension strut on
**OPEL Corsa Utility
Pickup** – 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 Utility Pickup 1.7 DTi

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 Meriva A (X03) 1.6 16V (E75)

**REPLACEMENT: SUSPENSION STRUT – OPEL CORSA
UTILITY PICKUP. TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #18
- Drive socket # 8
- Drive socket # 9
- Drive socket # 13
- Drive socket # 18
- Drive socket # 19
- Wheel impact socket #17
- Shock absorber socket # DD9
- Ratchet wrench
- Tap wrench
- Flat Screwdriver
- Hydraulic strut spring compressor
- Hydraulic transmission jack
- Fender cover
- Wheel chock

Buy tools

Replacement: suspension strut – OPEL Corsa Utility Pickup. AUTODOC experts recommend:

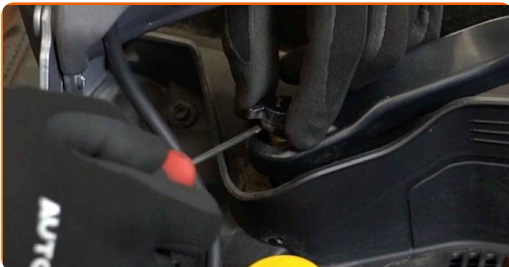
- Both shock struts of the front suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock struts of the front suspension.
- Please note: all work on the car – OPEL Corsa Utility Pickup – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the hood.

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

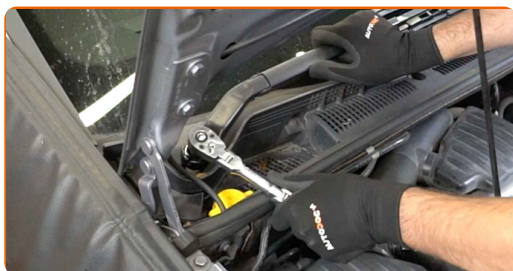
3 Remove the windscreen wiper arm nut covers. Use a flat screwdriver.



4 Clean the fasteners of the wiper arms. Use a wire brush. Use WD-40 spray.



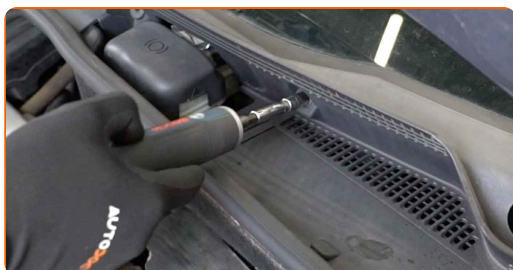
5 Unscrew the fasteners of the windscreen wiper arms. Use a drive socket #13. Use a ratchet wrench.



6 Remove the wiper arms.



7 Unscrew the fasteners of the cowl grille. Use a drive socket #8. Use a ratchet wrench.



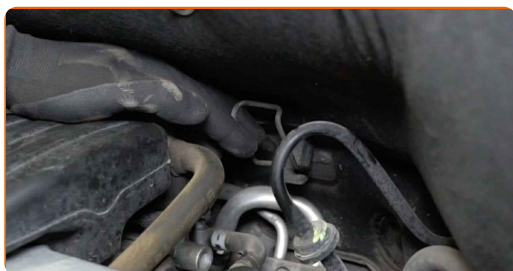
8 Remove the cowl grille seal.



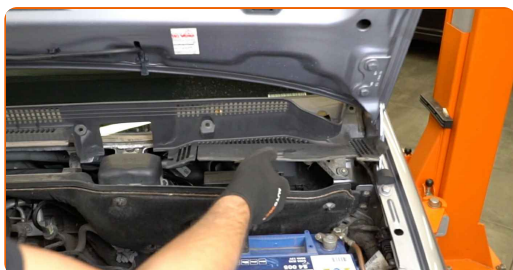
9 Unscrew the fasteners of the windscreen wiper scuttle tray. Use a drive socket #8. Use a ratchet wrench.



10 Release the engine bulkhead panel clips.



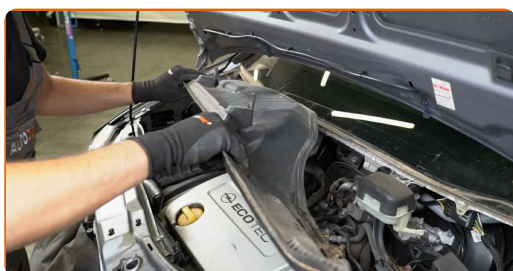
11 Raise up and remove the cowl grille.



12 Unscrew the fasteners of the windscreen wiper scuttle tray. Use a drive socket #8. Use a ratchet wrench.

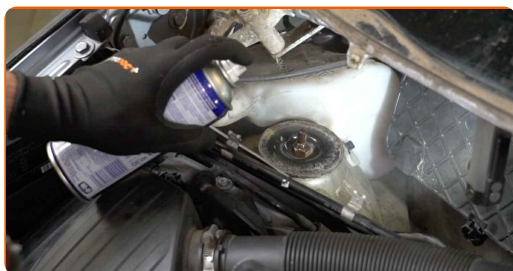


13 Remove the windscreen wiper scuttle tray.



14

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



15

Loosen the upper fastener of the shock strut mount. Use a drive socket #9. Use a drive socket #18. Use a ratchet wrench.

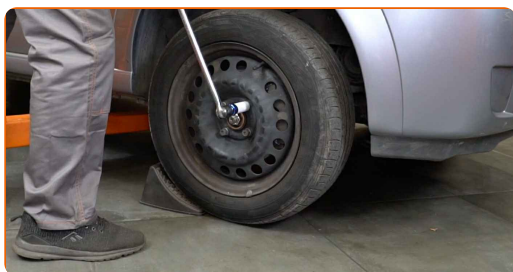


16

Secure the wheels with chocks.

17

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



18

Raise the front of the car and secure on supports.

19

Unscrew the wheel bolts.

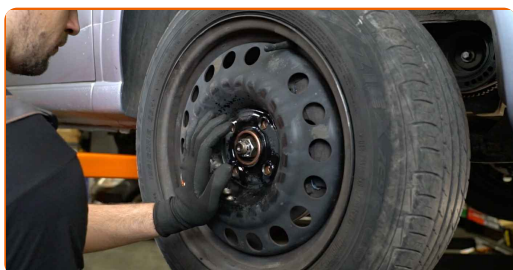


AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
OPEL Corsa Utility Pickup

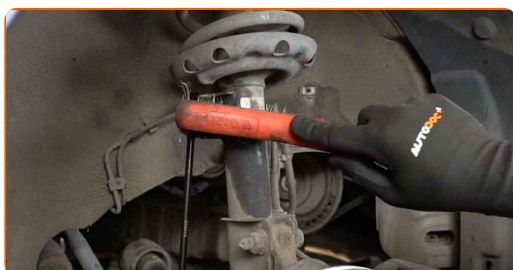
20

Remove the wheel.



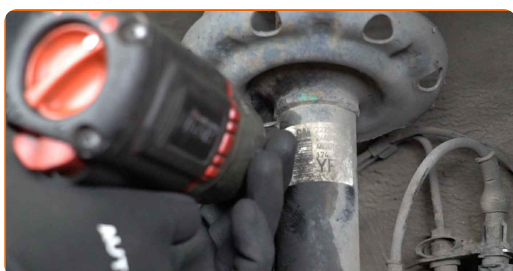
21

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



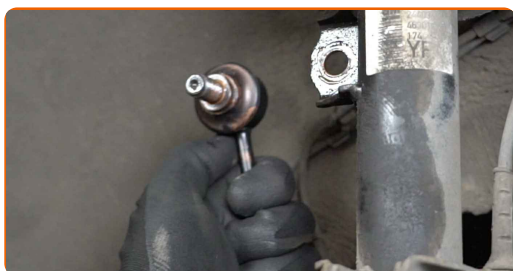
22

Unscrew the fastener connecting the stabilizer link to the shock strut. Use a drive socket #19. Use a ratchet wrench.

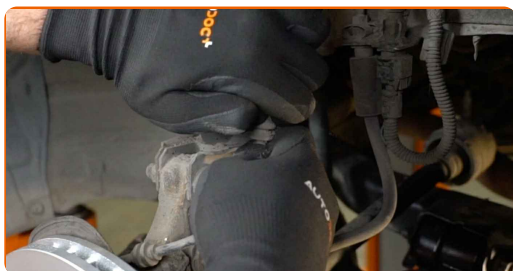


23

Remove the stabilizer rod.



24 Disconnect the ABS sensor wiring.



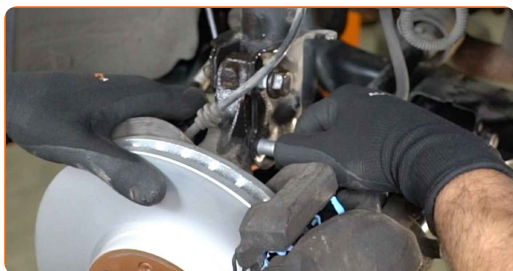
25 Clean the fasteners connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.



26 Unscrew the fasteners connecting the suspension strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a tap wrench.

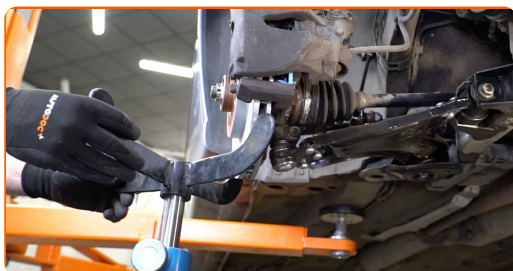


27 Remove the fastening bolt.



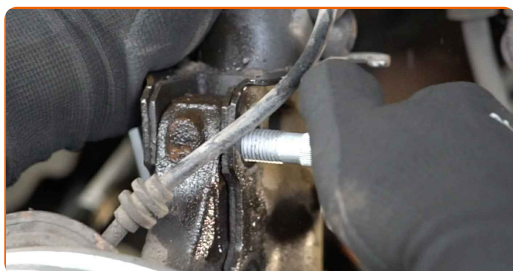
28

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



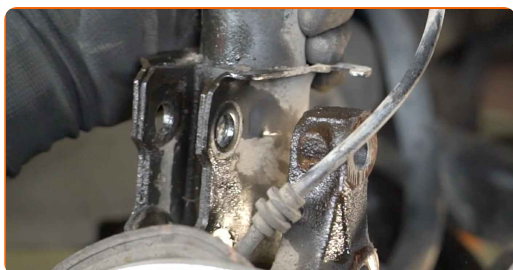
29

Remove the fastening bolt.



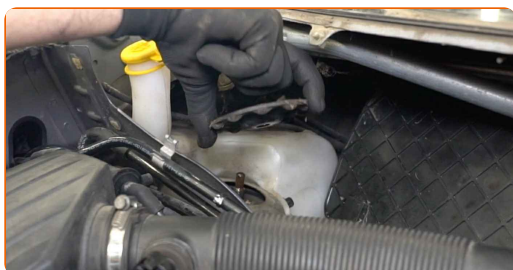
30

Disconnect the steering knuckle from the shock absorber strut.



31

Unscrew the top fastening of the shock strut mount.



AUTODOC recommends:

- OPEL Corsa Utility Pickup – To avoid injury, hold the suspension strut while unscrewing the fastening bolts.

32

Remove the suspension strut.



33

Set the shock absorber strut on the spring compressor tool.

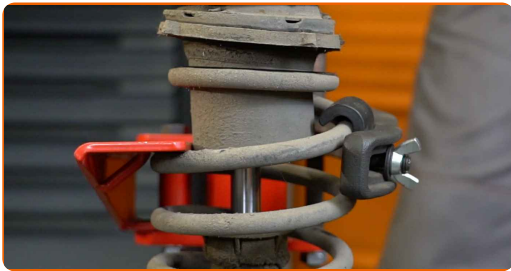


Replacement: suspension strut – OPEL Corsa Utility Pickup. Tip from AUTODOC:

- 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.

34

Compress the spring.



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



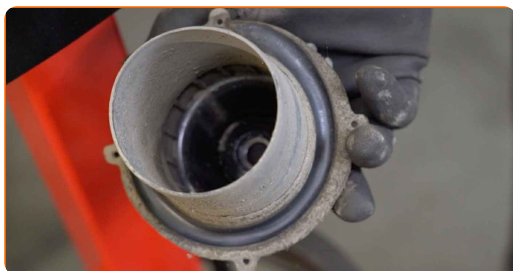
36 Remove the strut piston rod nut. Use a shock absorber socket N°DD9. Use a combination spanner #18. Use a ratchet wrench.



37 Remove the top strut mount.



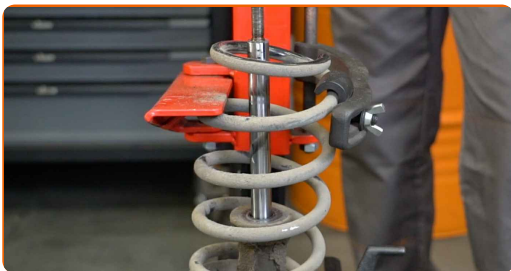
38 Remove the shock absorber dust cap and the bump stop.



AUTODOC recommends:

- Replacement: suspension strut – OPEL Corsa Utility Pickup. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

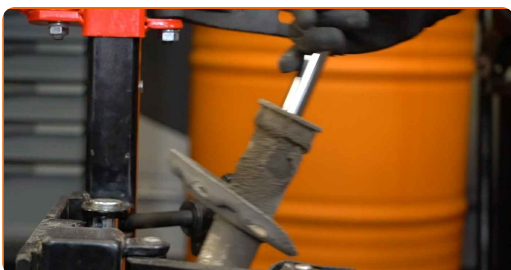
39 Release the coil spring.



40 Remove the spring.



41 Remove the old shock absorber from the hydraulic coil spring compressor.



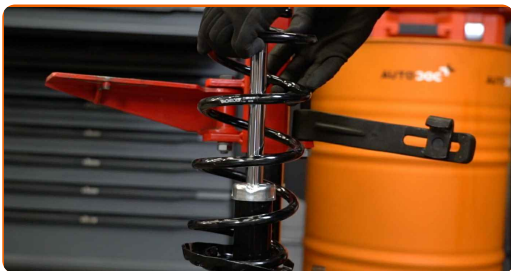
Replacement: suspension strut – OPEL Corsa Utility Pickup. AUTODOC recommends:

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

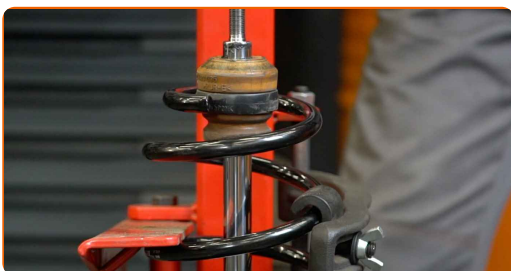
42 Install the new shock absorber on the hydraulic coil spring compressor.



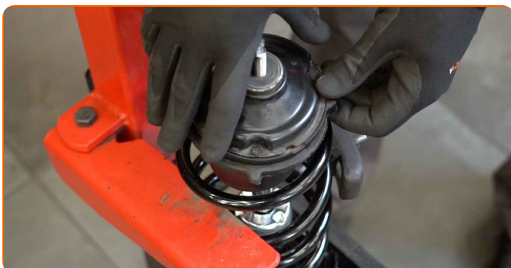
43 Install the spring on the shock absorber.



44 Compress the spring.



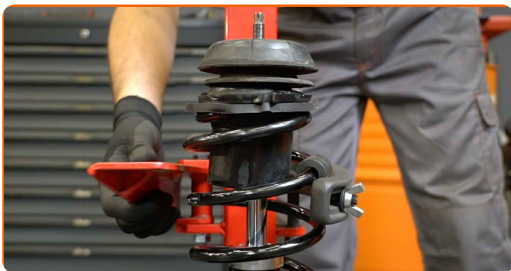
45 Install the mount, boot and bump stop onto a new shock absorber.



46 Tighten the shock strut piston rod nut. Use a shock absorber socket N°DD9. Use a combination spanner #18. Use a torque wrench. Tighten it to 50 Nm torque.



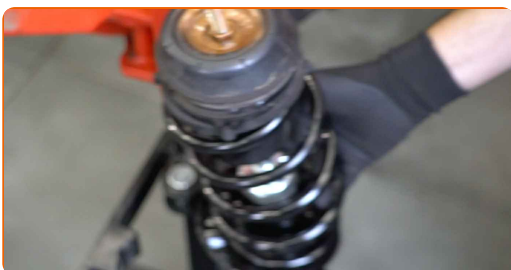
47 Decompress the spring.



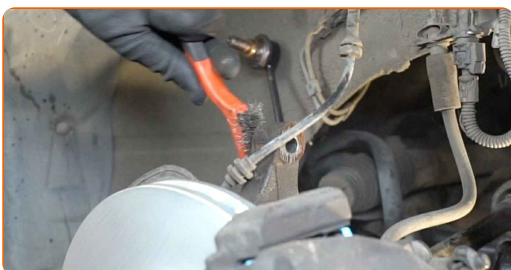
48 Treat the shock strut rod. Use copper grease.



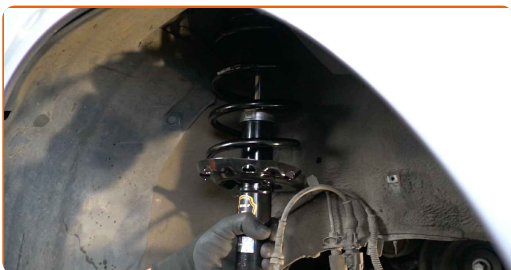
49 Remove the assembled shock strut.



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

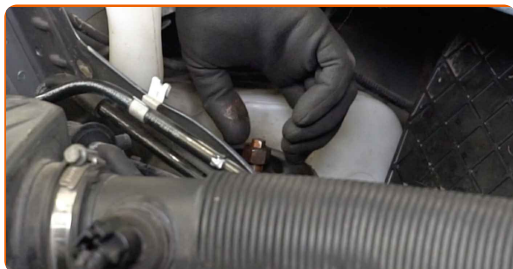


51 Install the shock strut into the wheel arch.



52

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

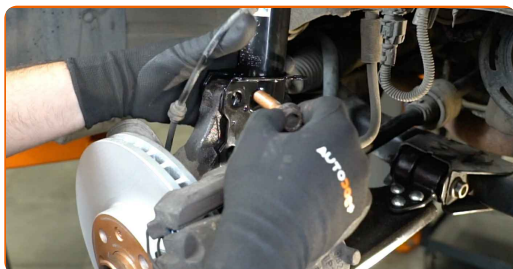


AUTODOC recommends:

- Important! Hold the suspension strut while screwing in the fastening bolts. OPEL Corsa Utility Pickup

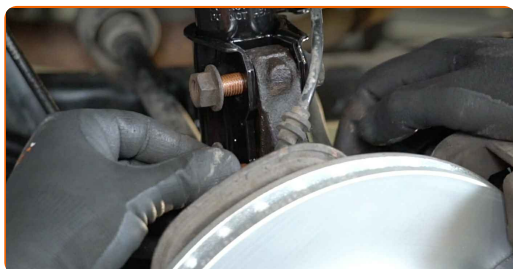
53

Fix the shock absorber strut on the steering knuckle.



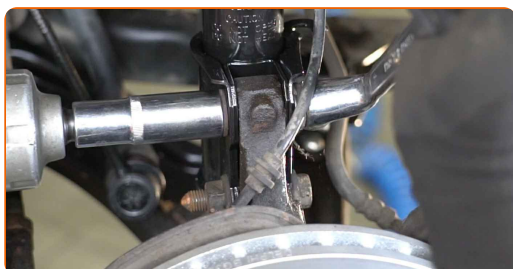
54

Install the fastening bolts.



55

Screw in the fasteners connecting the suspension strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



56

Remove the support from under the steering knuckle.



AUTODOC recommends:

- Replacement: suspension strut – OPEL Corsa Utility Pickup. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

57

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°

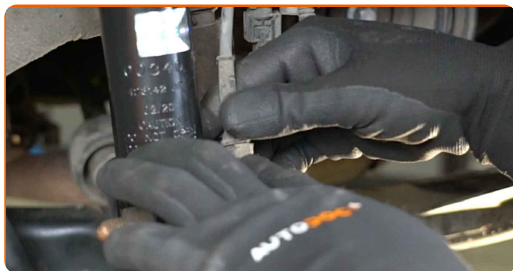


AUTODOC recommends:

- Important! Be sure to use new fasteners.

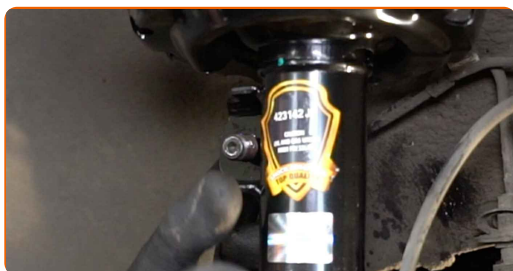
58

Connect the ABS sensor wiring.



59

Install the transverse stabilizer link.



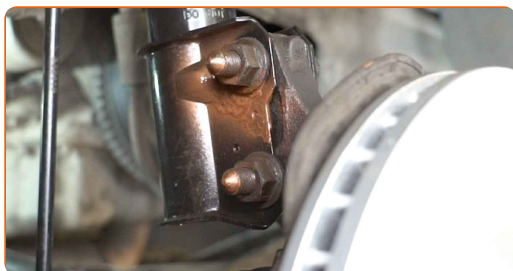
60

Tighten the fastener connecting the stabilizer link to the shock strut. Use a drive socket #19. Use a torque wrench. Tighten it to 55 Nm torque.



61

Treat the shock strut fasteners. Use copper grease.



62

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



63

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: suspension strut – OPEL Corsa Utility Pickup. After applying the spray, wait a few minutes.

64

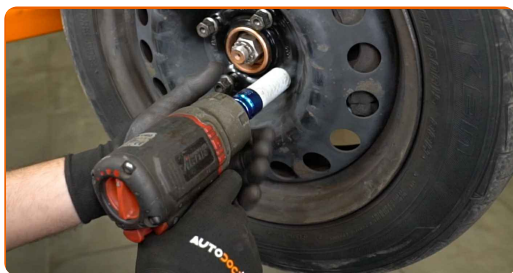
Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. OPEL Corsa Utility Pickup

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

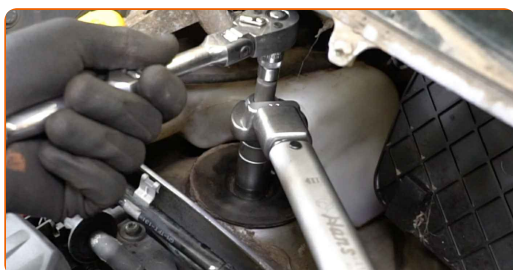


66 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 110 Nm torque.



67 Remove the jacks and chocks.

68 Tighten the upper fastener of the shock absorber strut mount. Use a shock absorber socket №DD9. Use a combination spanner #18. Use a torque wrench. Tighten it to 50 Nm torque.



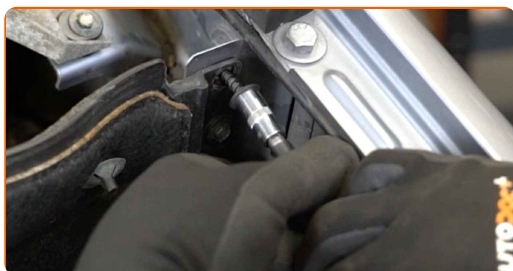
69 Treat the fasteners of the shock strut mount. Use copper grease.



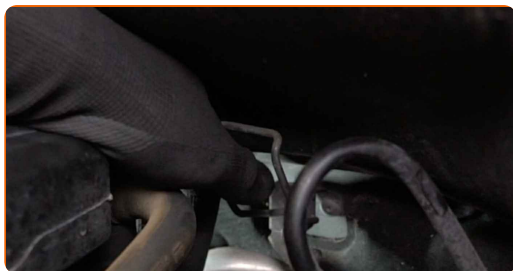
70 Install the windscreen wiper scuttle tray.



71 Screw in the fasteners of the windscreen wiper scuttle tray. Use a drive socket #8. Use a ratchet wrench.



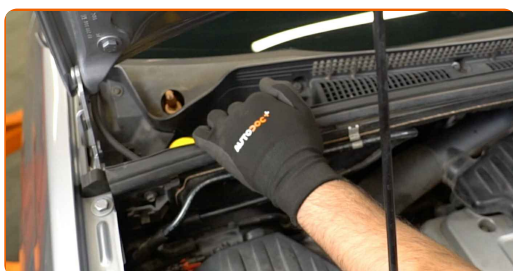
72 Attach the cabin filter cover clips.



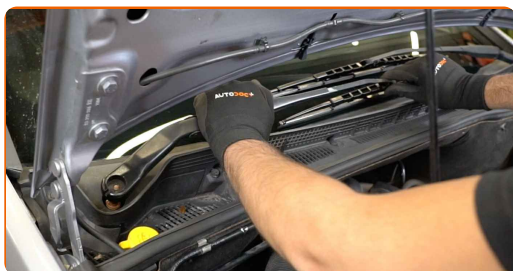
73 Install and secure the cowl grille. Use a drive socket #8. Use a ratchet wrench.



74 Install the cowl grille seal.



75 Reinstall the wiper arms.



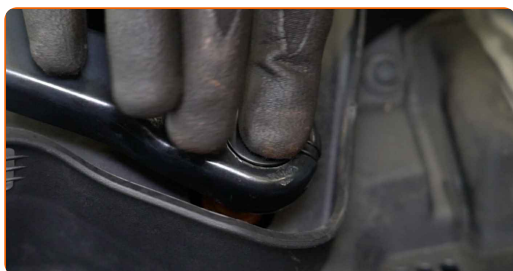
Replacement: suspension strut – OPEL Corsa Utility Pickup. AUTODOC recommends:

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

76 Tighten the wiper arm fasteners. Use a drive socket #13. Use a torque wrench. Tighten it to 22 nm torque.



77 Install the nut covers of the windscreen wiper arms.



78 Remove the fender protection cover.

79

Close the hood.

WELL DONE! 

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