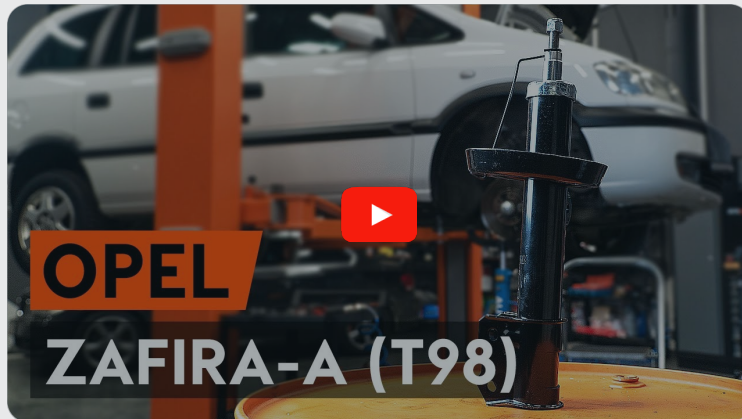




How to change front
suspension strut on
**VAUXHALL Astra Mk3
(F) Convertible (T92)** –
replacement guide

SIMILAR VIDEO TUTORIAL



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

i Important!

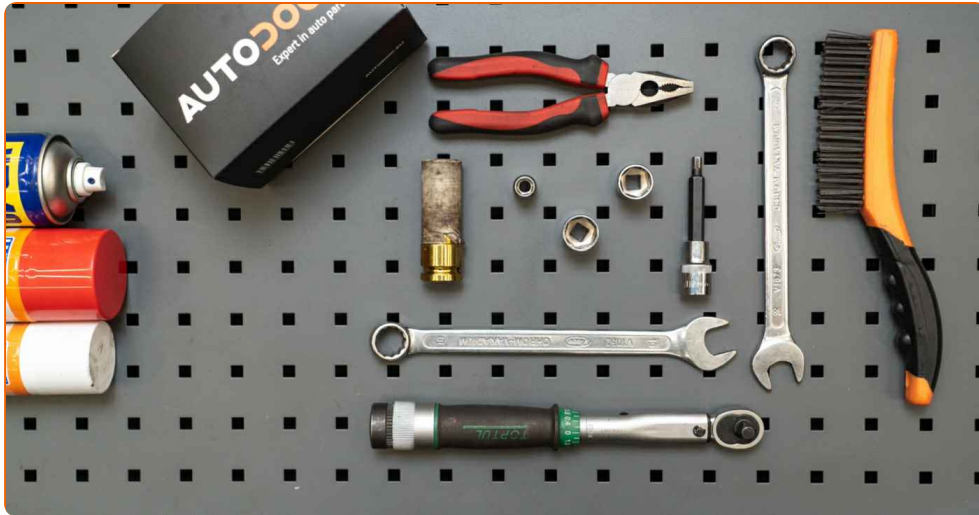
This replacement procedure can be used for:

VAUXHALL Astra Mk3 (F) Convertible (T92) 1.6 i, VAUXHALL Astra Mk3 (F) Convertible (T92) 1.8 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 Zafira A (T98) 2.0 DI 16V (F75)

REPLACEMENT: SUSPENSION STRUT – VAUXHALL ASTRA MK3 (F) CONVERTIBLE (T92). TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #18
- Combination spanner #19
- Drive socket # 10
- Drive socket # 18
- Drive socket # 19
- HEX bit No.H6.
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Tap wrench
- Pliers
- Hydraulic strut spring compressor
- Hydraulic transmission jack
- Fender cover
- Wheel chock

[Buy tools](#)

Replacement: suspension strut – VAUXHALL Astra Mk3 (F) Convertible (T92).
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.
- All work should be done with the engine stopped.

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 cowl grille seal.



4 Remove the upper part of the scuttle panel.



5

Clean the fasteners of the lower part of the scuttle panel. Use WD-40 spray.



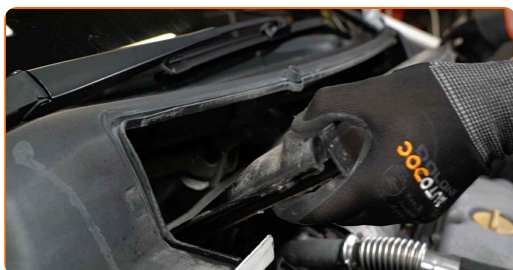
6

Unscrew the fasteners of the lower part of the scuttle panel. Use a drive socket #10. Use a ratchet wrench.



7

Remove the lower part of the scuttle panel.



8

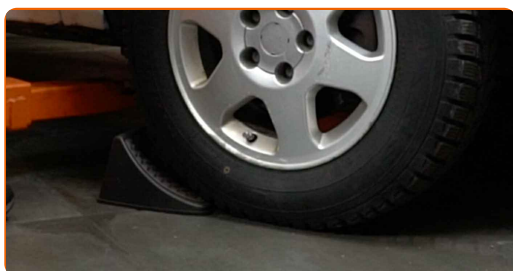
Clean the fasteners of the shock strut upper mount. Use a wire brush. Use WD-40 spray.



- 9 Loosen the upper fastener of the shock strut mount. Use a combination spanner #18. Use HEX No.H6. Use a ratchet wrench.



- 10 Secure the wheels with chocks.

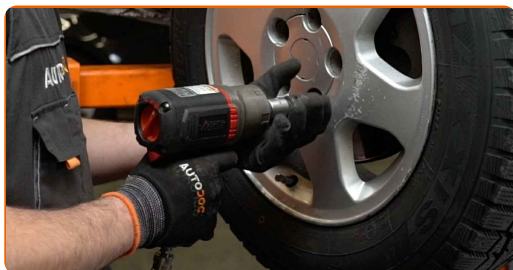


- 11 Loosen the wheel mounting bolts. Use wheel impact socket #19.



- 12 Raise the front of the car and secure on supports.

- 13 Unscrew the wheel bolts.



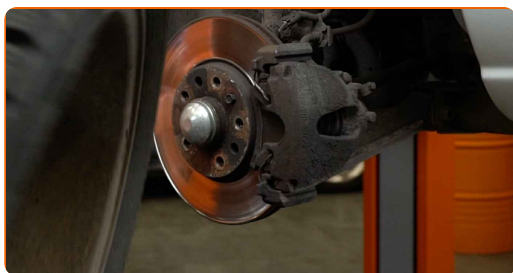
Replacement: suspension strut – VAUXHALL Astra Mk3 (F) Convertible (T92).

Tip:

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

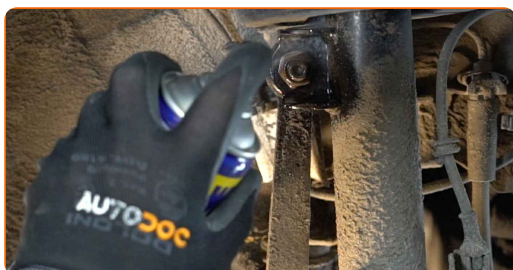
14

Remove the wheel.



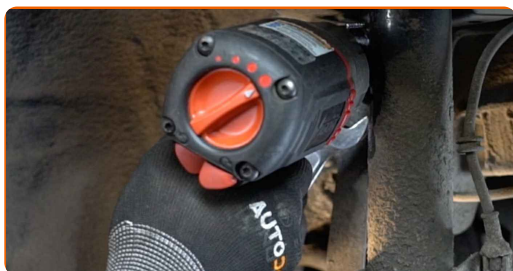
15

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

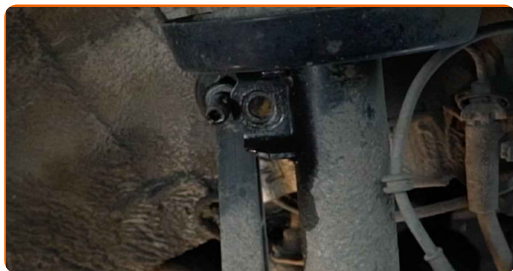


16

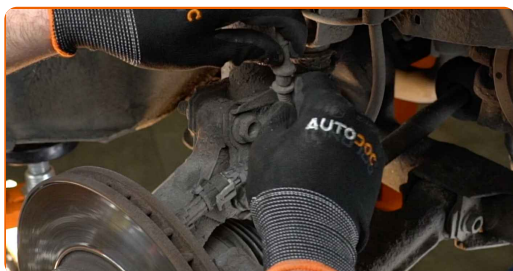
Unscrew the fastener connecting the stabilizer link to the shock strut. Use a combination spanner #19. Use a drive socket #19. Use a ratchet wrench.



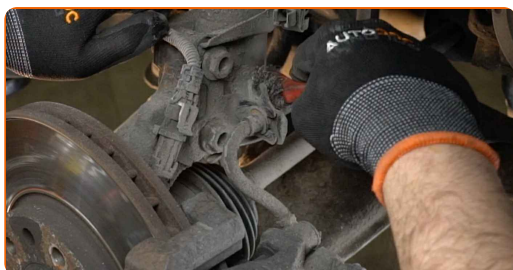
17 Remove the stabilizer rod.



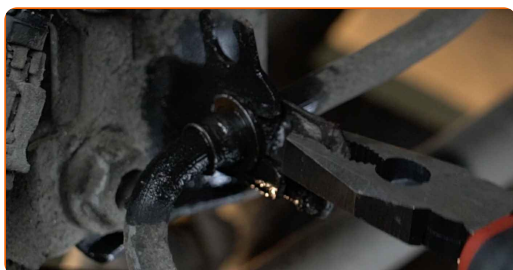
18 Disconnect the ABS sensor wiring.



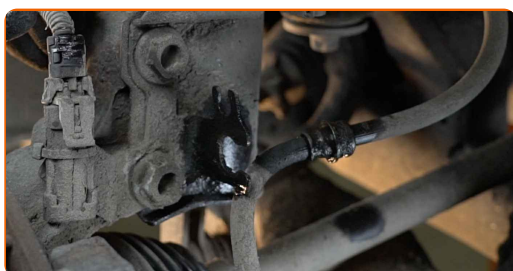
19 Clean the fasteners connecting the brake hose to the shock strut. Use a wire brush. Use WD-40 spray.



20 Remove the brake hose retaining clip. Use pliers.

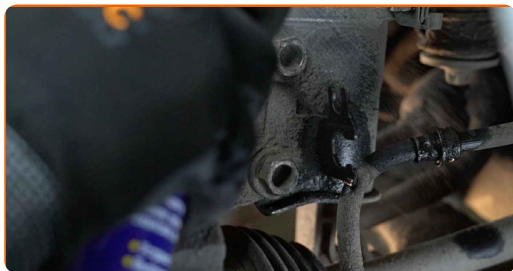


21 Disconnect the brake hose.



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.



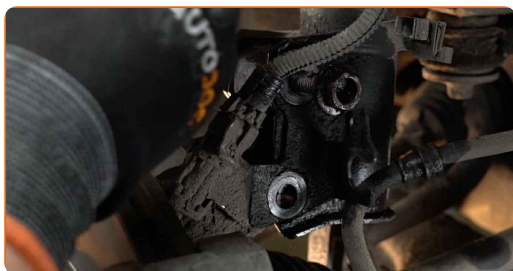
24

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



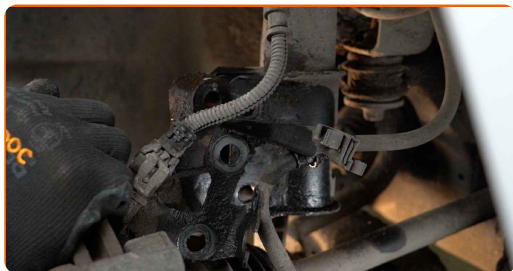
25

Remove the fastening bolts.



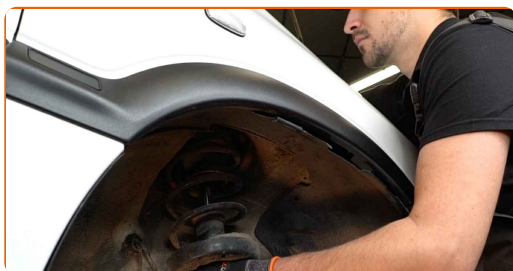
26

Disconnect the steering knuckle from the shock absorber strut.



27

Unscrew the top fastening of the shock strut mount.

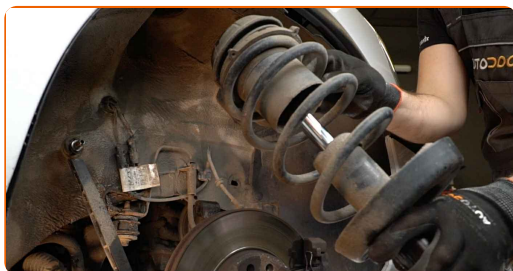


AUTODOC recommends:

- VAUXHALL Astra Mk3 (F) Convertible (T92) – To avoid injury, hold the suspension strut while unscrewing the fastening bolts.

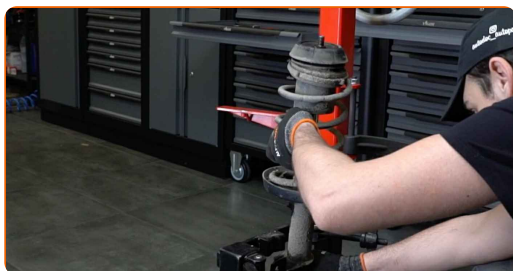
28

Remove the suspension strut.



29

Set the shock absorber strut on the spring compressor tool.

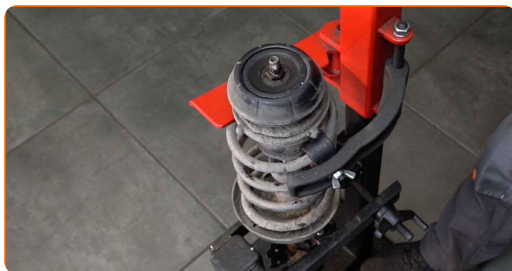


Replacement: suspension strut – VAUXHALL Astra Mk3 (F) Convertible (T92). Professionals recommend:

- 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.

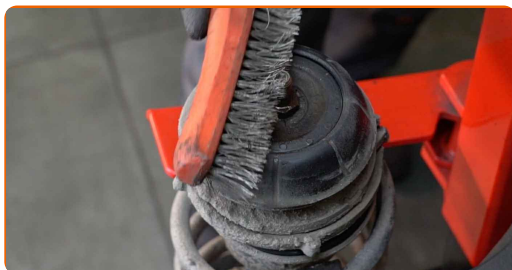
30

Compress the spring.



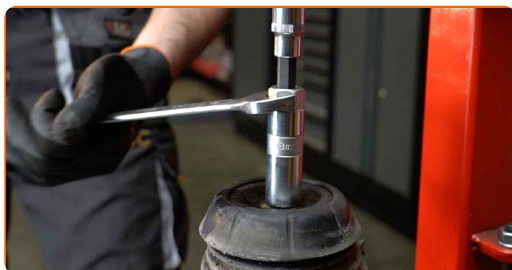
31

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



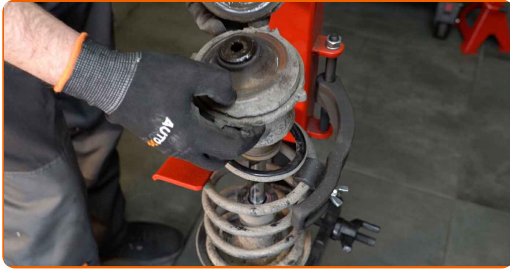
32

Remove the strut piston rod nut. Use HEX No.H6. Use a drive socket #18. Use a ratchet wrench.



33

Remove the shock absorber mount, boot and bump stop.

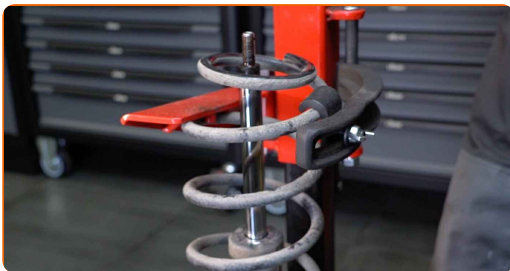


Replacement: suspension strut – VAUXHALL Astra Mk3 (F) Convertible (T92).
Tip from AUTODOC:

- Thoroughly examine the shock absorber mount, dust boot, bump stop. Replace them if necessary.

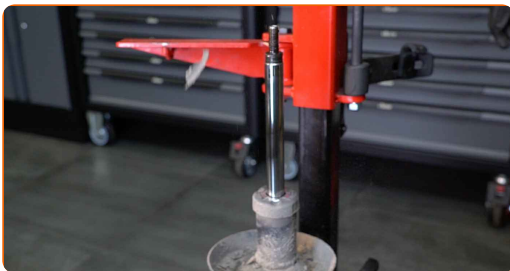
34

Release the coil spring.



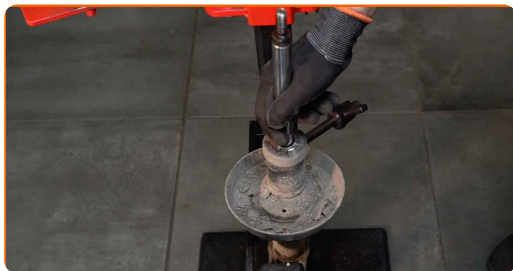
35

Remove the spring.



36

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



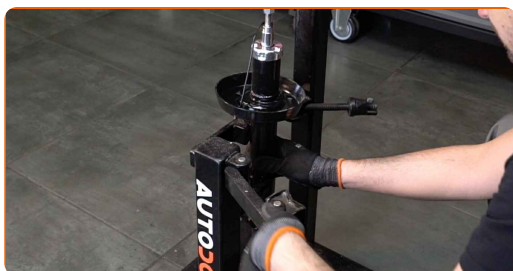
Replacement: suspension strut – VAUXHALL Astra Mk3 (F) Convertible (T92).

Tip:

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

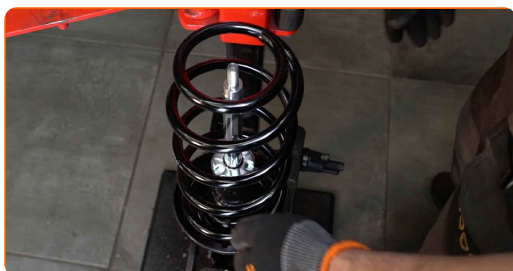
37

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



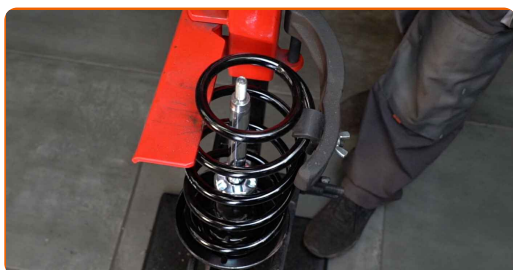
38

Install the spring on the shock absorber.



39

Compress the spring.



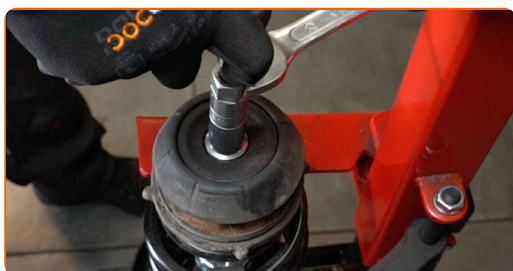
40

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



41

Tighten the shock strut piston rod nut. Use a drive socket #18. Use HEX No.H6. Use a torque wrench. Tighten it to 50 Nm torque.



Replacement: suspension strut – VAUXHALL Astra Mk3 (F) Convertible (T92).
AUTODOC experts recommend:

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

42

Decompress the spring.



43

Remove the assembled shock strut.



44

Install the shock strut into the wheel arch.



45

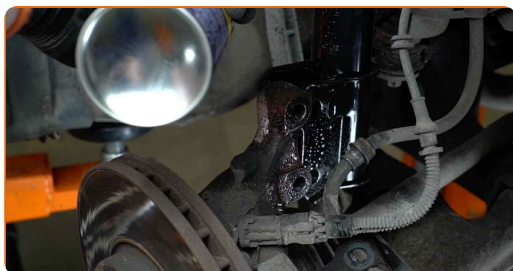
Screw the top fastening of the shock strut mount. Do not tighten it.

AUTODOC recommends:

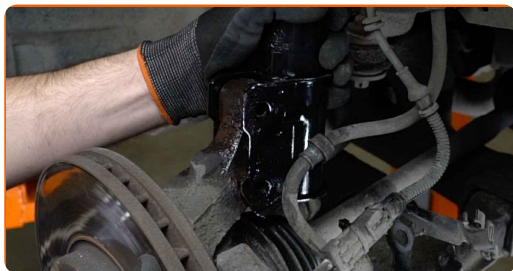
- Important! Hold the suspension strut while screwing in the fastening bolts.
VAUXHALL Astra Mk3 (F) Convertible (T92)

46

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



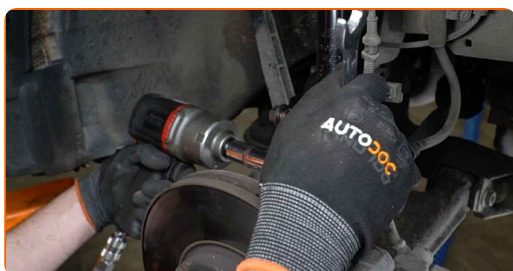
47 Fix the shock absorber strut on the steering knuckle.



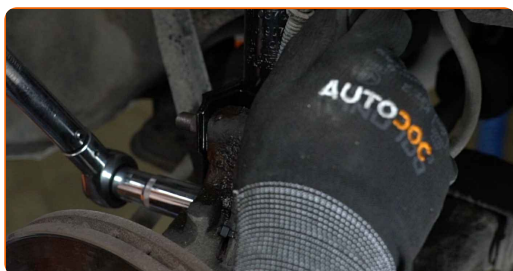
48 Install the fastening bolts.



49 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.



50 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°

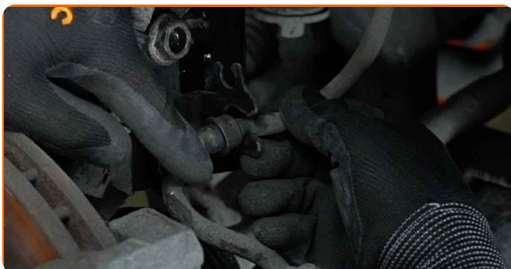


AUTODOC recommends:

- Important! Be sure to use new fasteners.

51

Attach the brake hose.



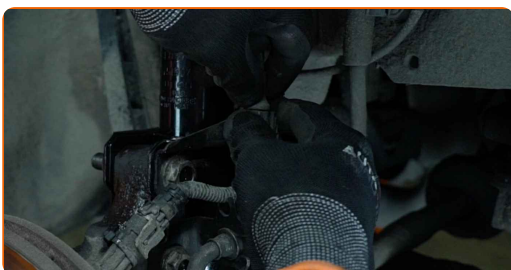
52

Install the brake hose retaining clip. Use pliers.



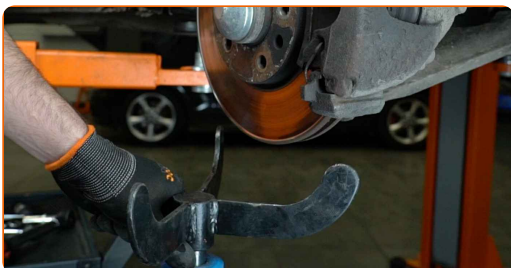
53

Connect the ABS sensor wiring.



54

Remove the support from under the steering knuckle.



AUTODOC recommends:

- VAUXHALL Astra Mk3 (F) Convertible (T92) – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

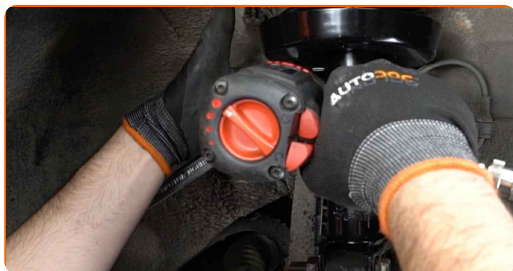
55

Install the transverse stabilizer link.



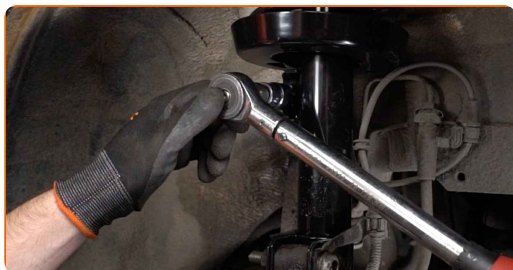
56

Tighten the stabiliser link fastener. Use a combination spanner #19. Use a drive socket #19. Use a ratchet wrench.

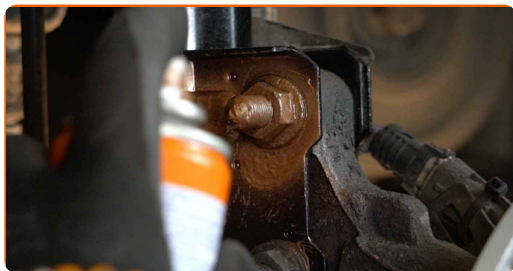


57

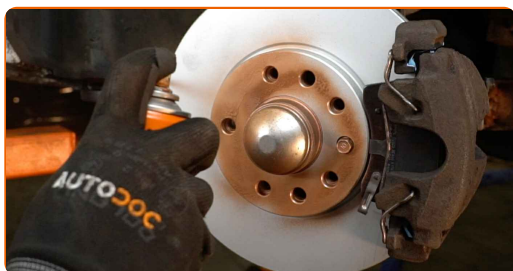
Tighten the fastener connecting the stabilizer link to the shock strut. Use a drive socket #19. Use a torque wrench. Tighten it to 60 Nm torque.



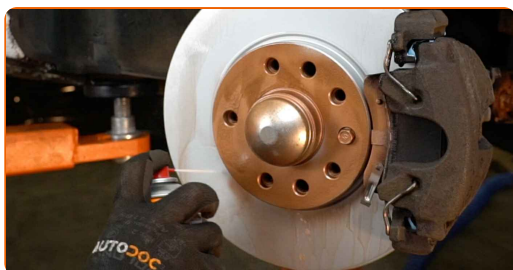
58 Treat the shock strut fasteners. Use copper grease.



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



60 Clean the brake disk surface. Use a brake cleaner.



Replacement: suspension strut – VAUXHALL Astra Mk3 (F) Convertible (T92).
Professionals recommend:

- After applying the spray, wait a few minutes.

61 Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. VAUXHALL Astra Mk3 (F) Convertible (T92)

62

Screw in the wheel bolts. Use wheel impact socket #19.



63

Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 110 Nm torque.



64

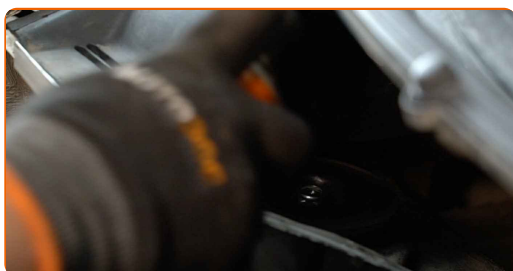
Remove the jacks and chocks.



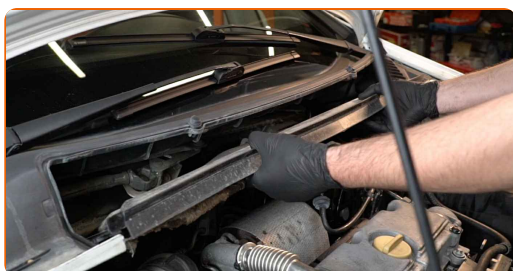
- 65** Tighten the upper fastener of the shock absorber strut mount. Use a combination spanner #18. Use HEX No.H6. Use a drive socket #18. Use a torque wrench. Tighten it to 55 Nm torque.



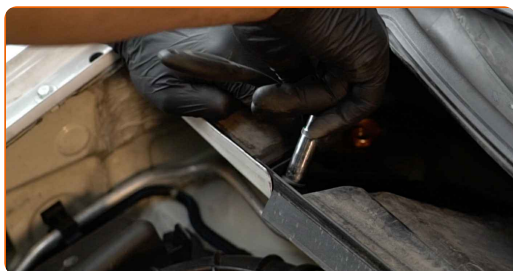
- 66** Treat the fasteners of the shock strut mount. Use copper grease.



- 67** Reinstall the lower part of the scuttle panel.



- 68** Screw in the fasteners of the lower part of the scuttle panel. Use a drive socket #10. Use a ratchet wrench.



69

Reinstall the upper part of the scuttle panel.



70

Install the cowl grille seal.



71

Remove the fender protection cover.

72

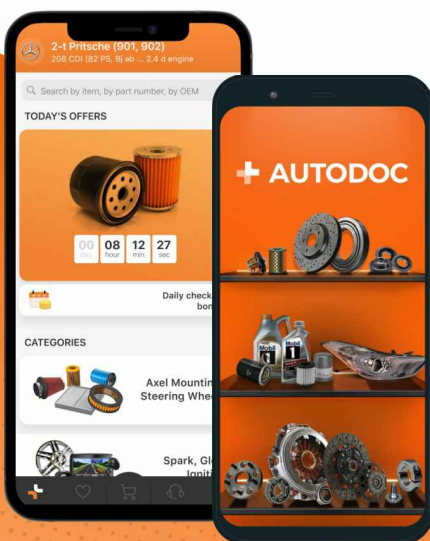
Close the hood.

WELL DONE! 

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