



How to change front coil  
springs on **FIAT PUNTO**  
**(199)** – replacement  
guide

## SIMILAR VIDEO TUTORIAL



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

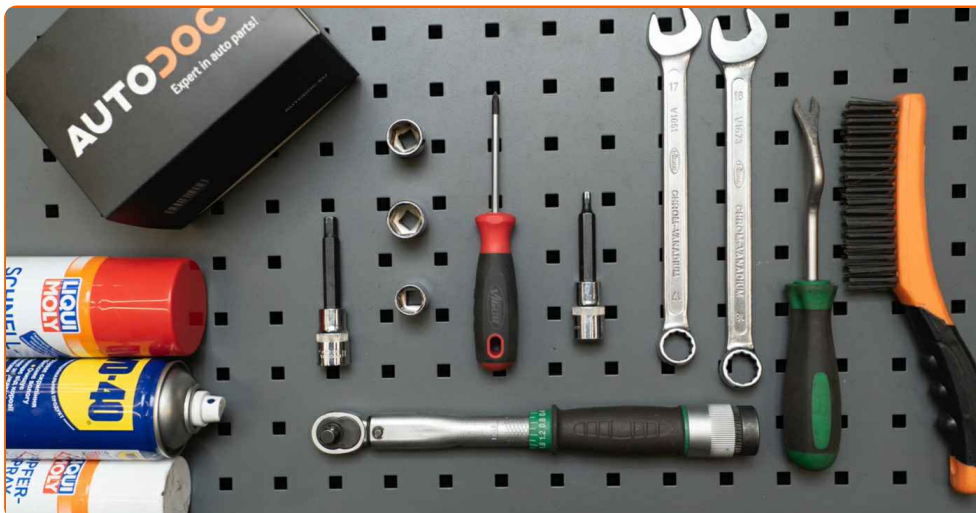
### Important!

This replacement procedure can be used for:  
FIAT PUNTO (199) 1.3 D Multijet

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: FIAT GRANDE PUNTO (199) 1.3 D Multijet

REPLACEMENT: COIL SPRINGS – FIAT PUNTO (199).  
LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #18
- Drive socket # 15
- Drive socket # 17
- Drive socket # 18
- HEX bit no.H6.
- HEX bit no.H8.
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Clip removal tool
- Phillips screwdriver
- Round-nose pliers
- Hydraulic strut spring compressor
- Hydraulic transmission jack
- Fender cover
- Wheel chock

**Buy tools**

Replacement: coil springs – FIAT PUNTO (199). Tip from AUTODOC experts:

- 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 – FIAT PUNTO (199). USE THE FOLLOWING PROCEDURE:**

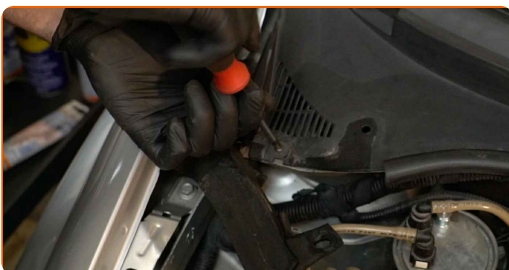
**1** Open the bonnet.

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

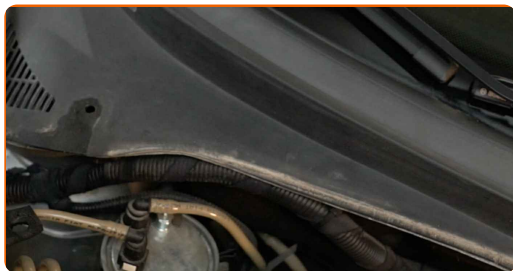
**3** Remove the clips of the plastic cowl grille. Use a clip removal tool.



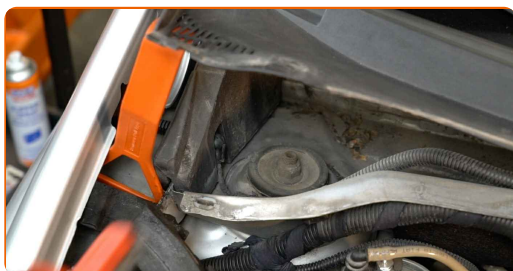
**4** Unscrew the fasteners of the cowl grille. Use a Phillips screwdriver.



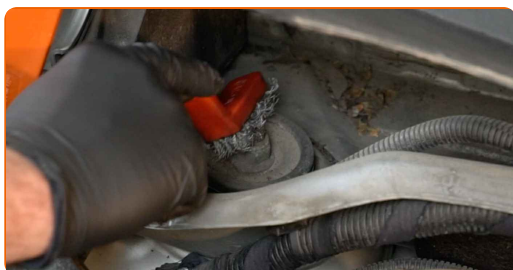
**5** Remove the cowl grille seal.



**6** Raise the wiper plastic cowl grille.



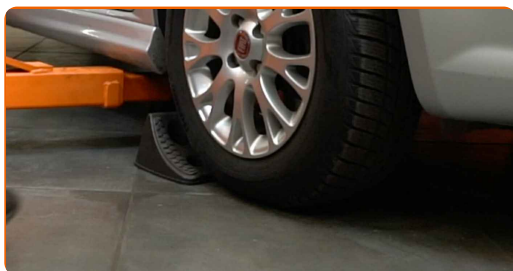
**7** Clean the fasteners of the shock strut upper mount. Use a wire brush. Use WD-40 spray.



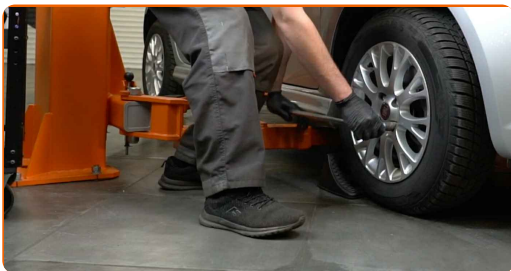
**8** Loosen the upper fastener of the shock strut mount. Use a combination spanner #18. Use HEX No.H6. Use a ratchet wrench.



**9** Secure the wheels with chocks.

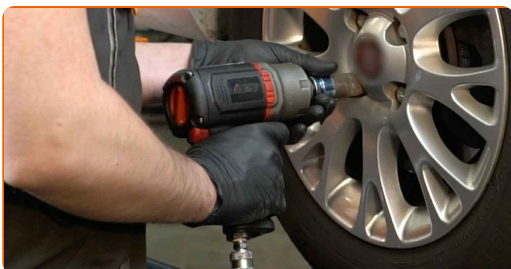


**10** Loosen the wheel mounting bolts. Use wheel impact socket #17.



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

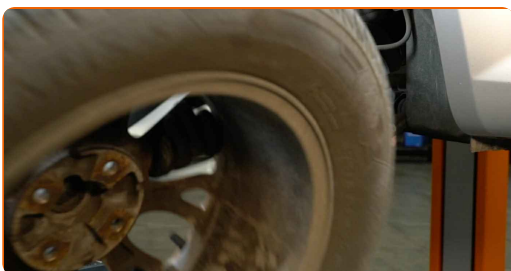
**12** Unscrew the wheel bolts.



**Replacement: coil springs – FIAT PUNTO (199). Tip:**

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

**13** Remove the wheel.



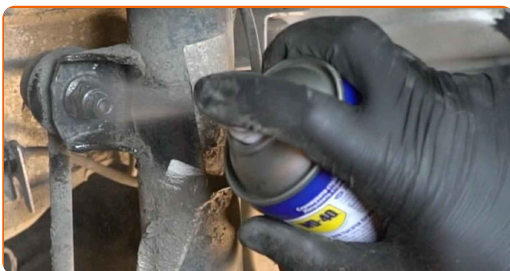
14

Disconnect the wiring and the brake hose from the bracket on the shock strut. Use round-nose pliers.



15

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



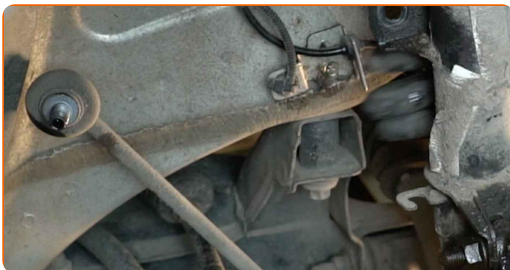
16

Unscrew the fastener connecting the stabilizer link to the shock strut. Use a drive socket #15. Use a ratchet wrench.



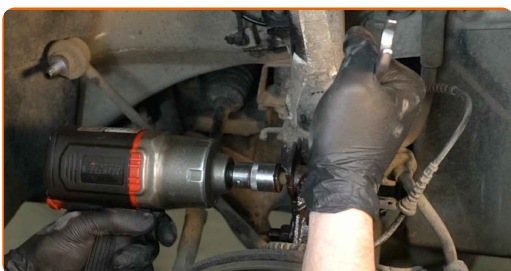
17

Remove the stabilizer rod.

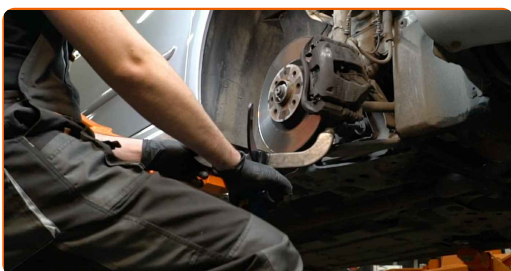




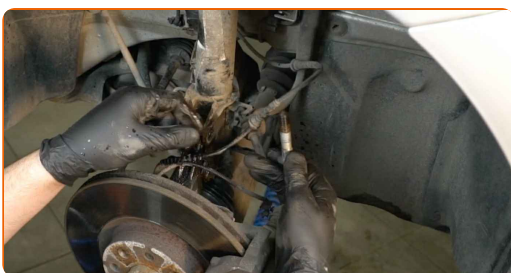
- 18** Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



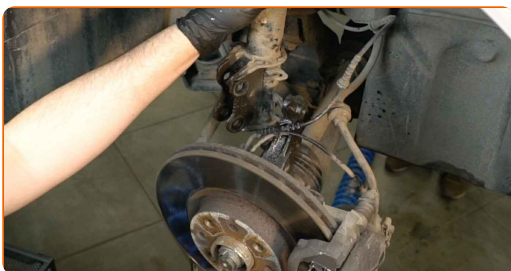
- 19** Prop up the steering knuckle. Use a hydraulic transmission jack.



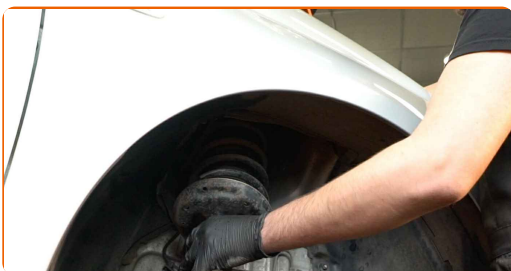
- 20** Remove the fastening bolts.



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



- 22** Unscrew the top fastening of the shock strut mount.





**AUTODOC recommends:**

- Important! Hold the suspension strut while unscrewing the fastening bolts. FIAT PUNTO (199)

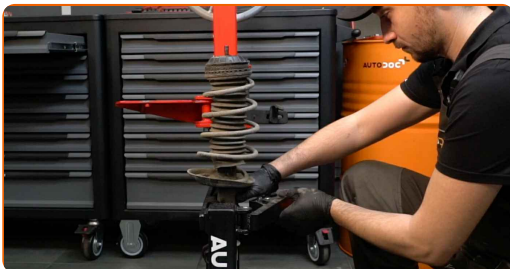
**23**

Remove the suspension strut.



**24**

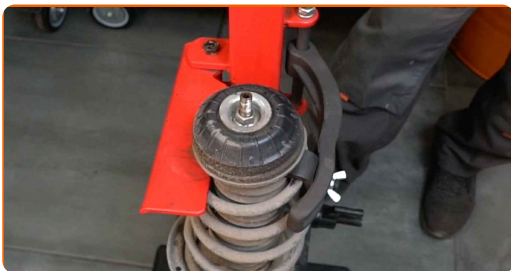
Set the shock absorber strut on the spring compressor tool.



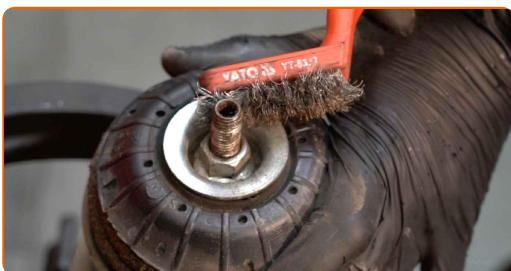
**Replacement: coil springs – FIAT PUNTO (199). Tip from AUTODOC experts:**

- 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.

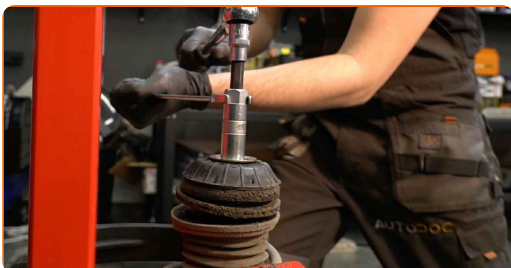
**25** Compress the spring.



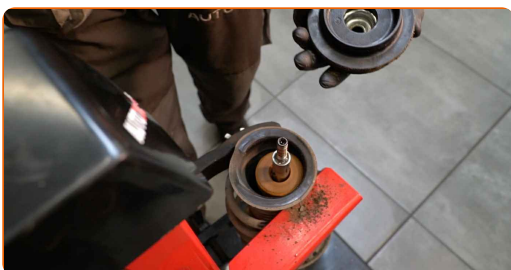
**26** Treat the shock strut rod. Use a wire brush. Use WD-40 spray.



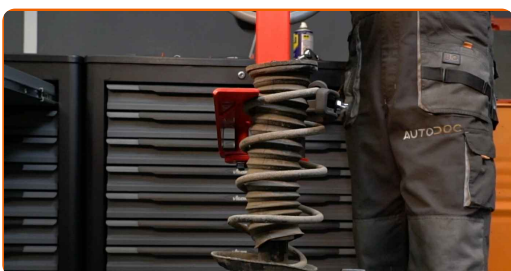
**27** Remove the strut piston rod nut. Use HEX No.H6. Use a drive socket #18. Use a ratchet wrench.



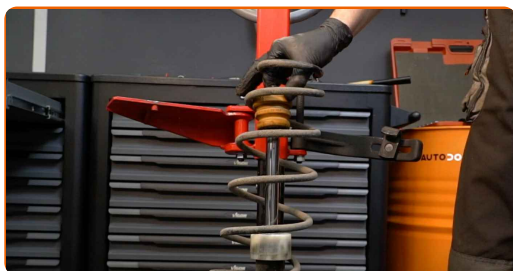
**28** Remove the top strut mount.



**29** Release the coil spring.



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



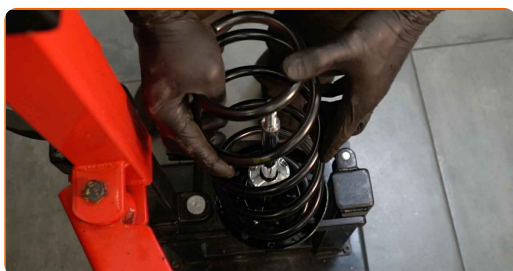
**AUTODOC recommends:**

- Replacement: coil springs – FIAT PUNTO (199). Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

**31** Remove the spring.



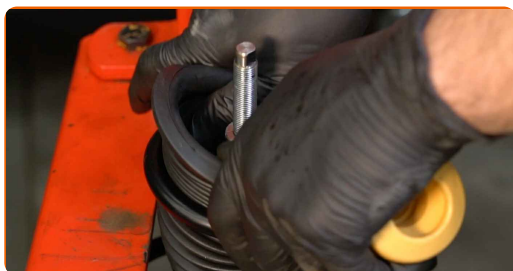
**32** Install the spring on the shock absorber.



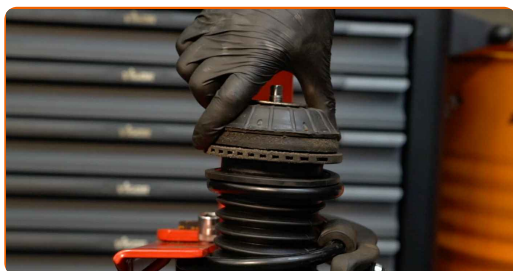
**33** Compress the spring.



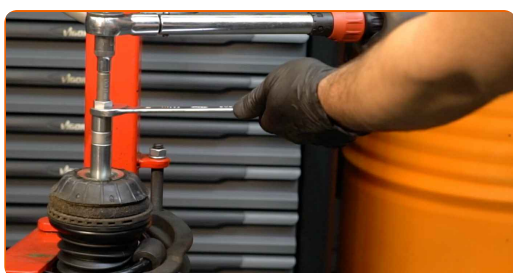
**34** Install the boot and a bump stop onto the shock absorber.



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



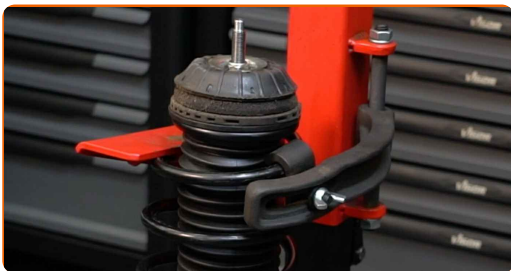
**36** Tighten the shock strut piston rod nut. Use HEX No.H8. Use a drive socket #17. Use a torque wrench. Tighten it to 44 Nm torque.



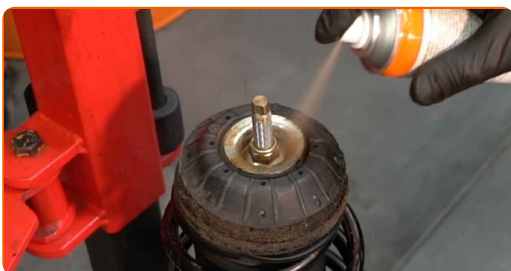
Replacement: coil springs – FIAT PUNTO (199). Professionals recommend:

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

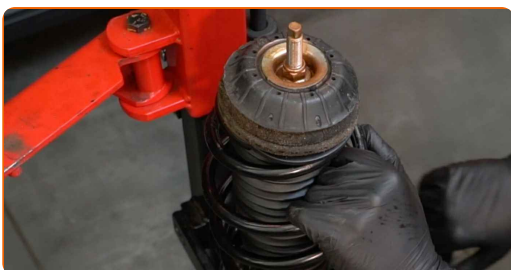
**37** Decompress the spring.



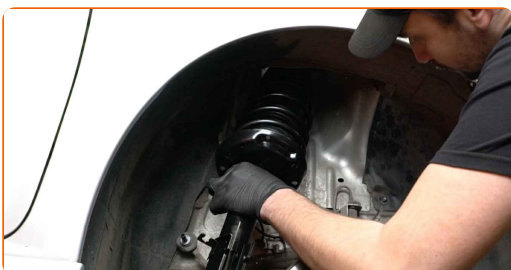
**38** Treat the shock strut rod. Use copper grease.



**39** Remove the assembled shock strut.



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



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

Replacement: coil springs – FIAT PUNTO (199). AUTODOC recommends:

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

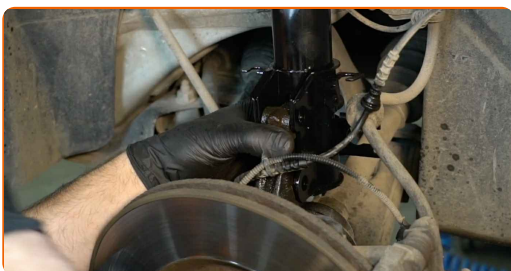
42

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



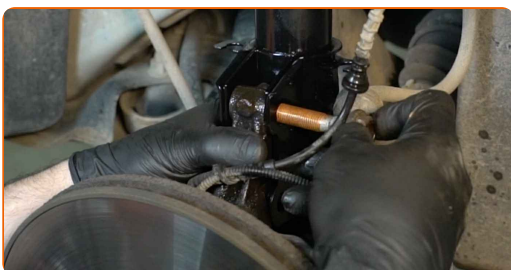
43

Fix the shock absorber strut on the steering knuckle.



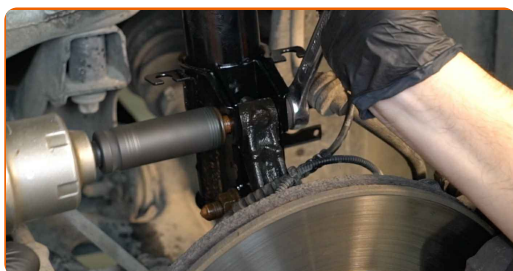
44

Install the fastening bolts.

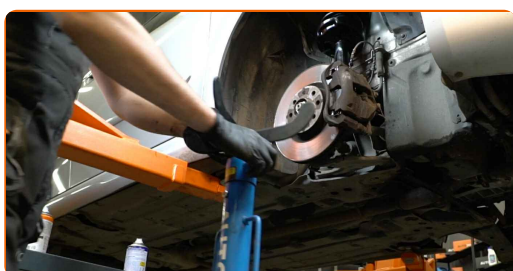




- 45** Screw in the fastener that connects the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



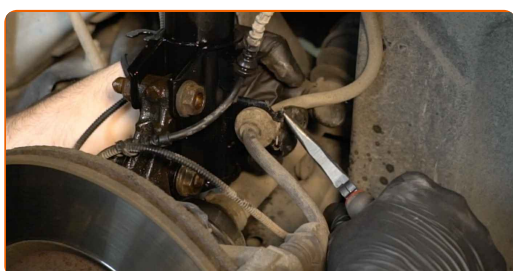
- 46** Remove the support from under the steering knuckle.



**AUTODOC recommends:**

- Replacement: coil springs – FIAT PUNTO (199). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

- 47** Connect the fastener of the ABS sensor cable to the shock absorber strut. Fasten the brake hose on the strut. Use round-nose pliers.



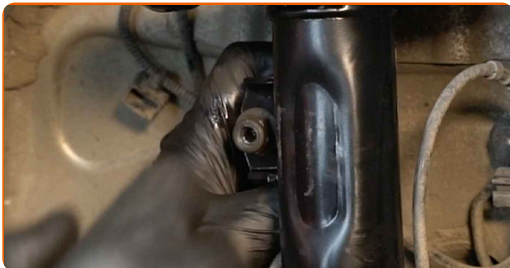
- 48** Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 105 Nm torque.+45°



**AUTODOC recommends:**

- Important! Be sure to use new fasteners.

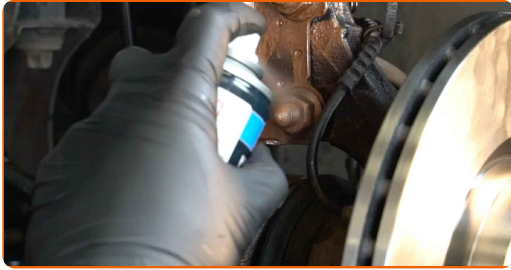
- 49** Install the transverse stabilizer link.



- 50** Tighten the fastener connecting the stabilizer link to the shock strut. Use a drive socket #15. Use a torque wrench. Tighten it to 50 Nm torque.



**51** Treat the shock strut fasteners. Use copper grease.



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



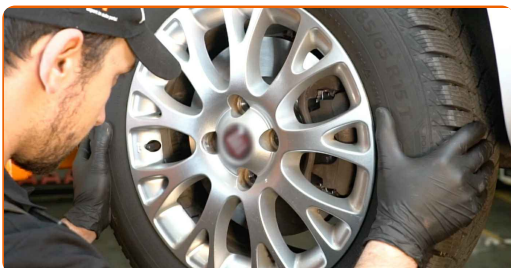
**53** Clean the brake disk surface. Use a brake cleaner.



Replacement: coil springs – FIAT PUNTO (199). AUTODOC experts recommend:

- After applying the spray, wait a few minutes.

**54** Install the wheel.

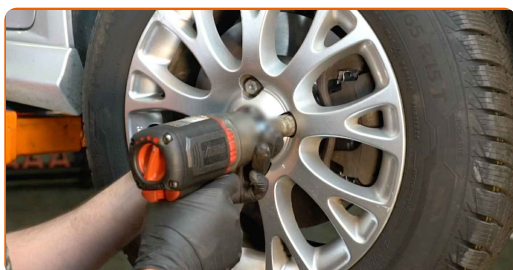


**AUTODOC recommends:**

- **Warning!** To avoid injury, hold the wheel while screwing in the fastening bolts on the car. FIAT PUNTO (199)

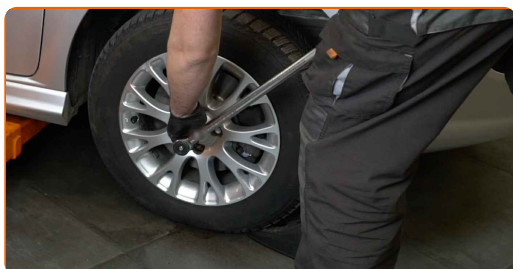
**55**

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



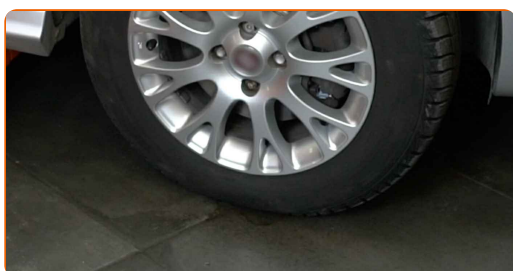
**56**

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 120 Nm torque.

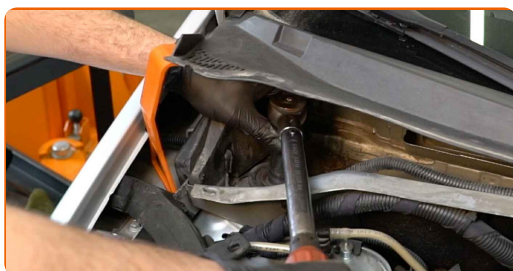


**57**

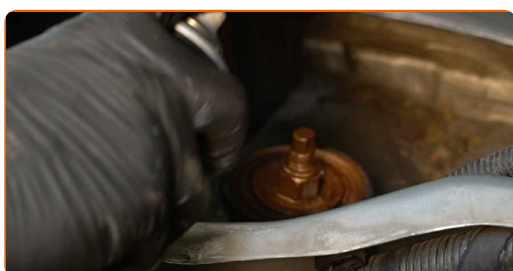
Remove the jacks and chocks.



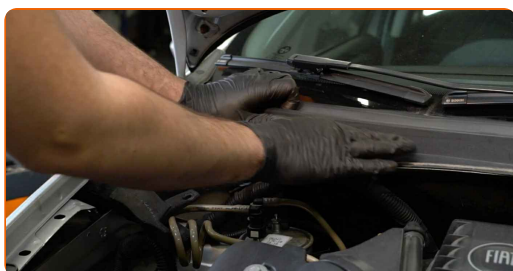
- 58 Tighten the upper fastener of the shock absorber strut mount. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 52 nm torque.



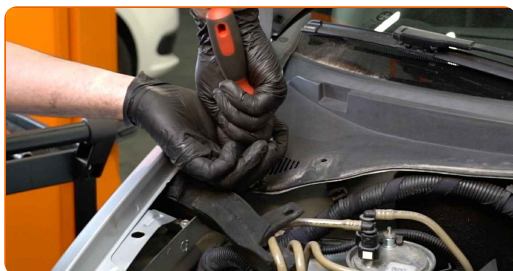
- 59 Treat the fasteners of the shock strut mount. Use copper grease.



- 60 Install and secure the cowl grille.

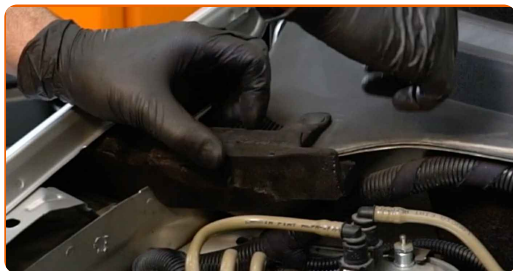


- 61 Tighten the fasteners of the cowl grille. Use a Phillips screwdriver.

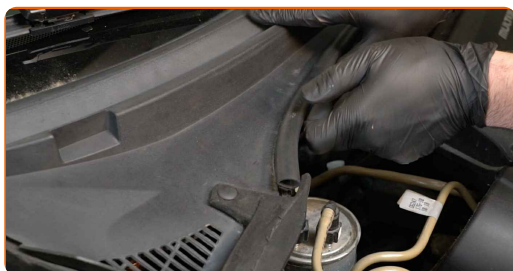


**62**

Install the fasteners of the wiper plastic cowl grille.

**63**

Install the cowl grille seal.

**64**

Remove the fender protection cover.

**65**

Close the hood.

**WELL DONE!** [VIEW MORE TUTORIALS](#)



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