



How to change front
suspension strut on **Fiat**
Punto 188 – replacement
guide

VIDEO TUTORIAL

** Important!**

This replacement procedure can be used for:

FIAT PUNTO (188) 1.2 16V 80, FIAT PUNTO (188) 1.3 JTD 16V, FIAT PUNTO (188) 1.4, FIAT PUNTO (188) 1.2 Natural Power, FIAT GRANDE PUNTO (199) 1.4 16V, FIAT PUNTO (188) 1.2 Bifuel, FIAT PUNTO (188) 1.2 Bipower (188BXA1A)

The steps may slightly vary depending on the car design.

REPLACEMENT: SUSPENSION STRUT – FIAT PUNTO
188. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #17
- Combination spanner #27
- HEX bit no.H6.
- Drive socket # 12
- Drive socket # 15
- Drive socket # 17
- Drive socket # 19
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Tap wrench
- Crow bar
- Hydraulic strut spring compressor
- Hydraulic transmission jack
- Fender cover
- Wheel chock

BUY TOOLS

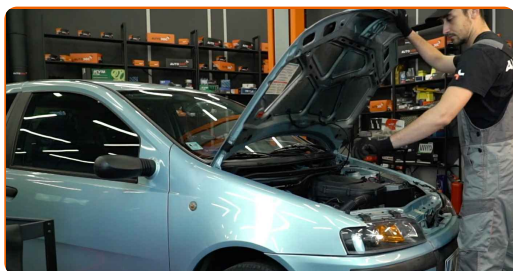
Replacement: suspension strut – Fiat Punto 188. AUTODOC recommends:

- 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 – Fiat Punto 188 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1

Open the bonnet.

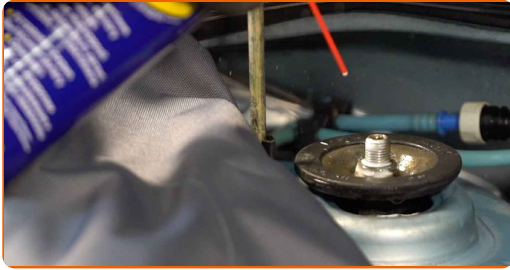
**2**

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



3

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



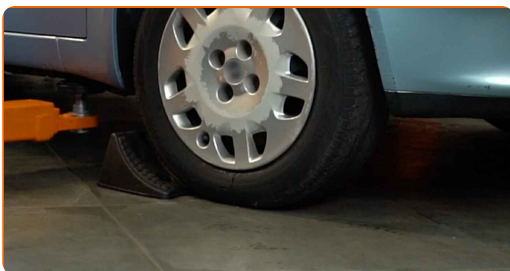
4

Loosen the upper fastener of the shock strut mount. Use HEX No.H6. Use a drive socket #19. Use a ratchet wrench.



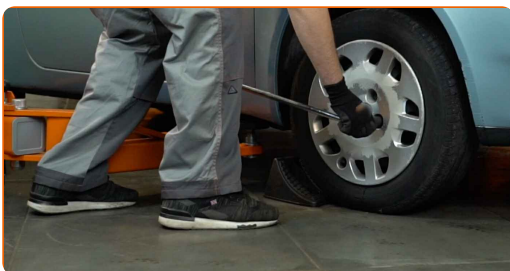
5

Secure the wheels with chocks.



6

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



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



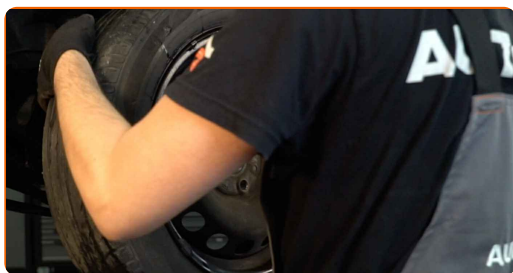
8 Unscrew the wheel bolts.



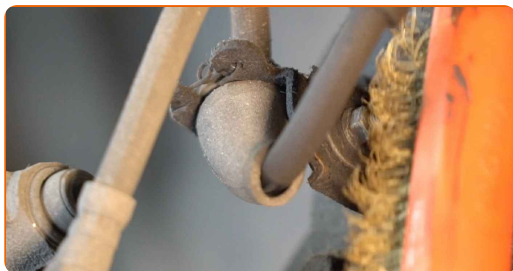
Replacement: suspension strut – Fiat Punto 188. Tip:

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

9 Remove the wheel.

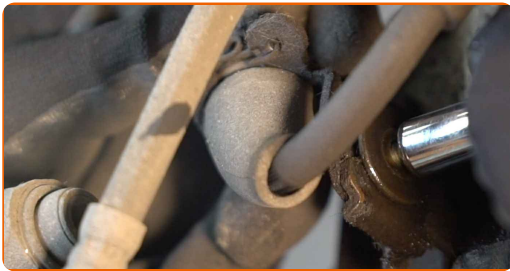


10 Clean the fasteners connecting the brake hose to the shock strut. Use a wire brush. Use WD-40 spray.



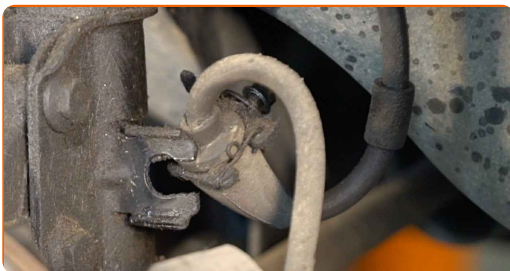
11

Disconnect the brake hose holder from the shock absorber strut. Use a drive socket #12. Use a ratchet wrench.



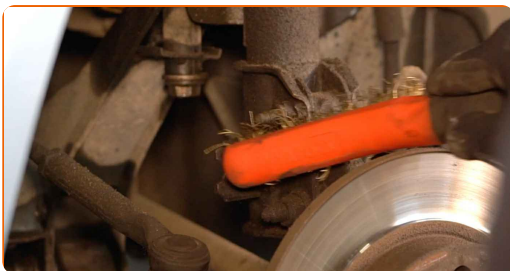
12

Detach the brake hose from the shock strut.



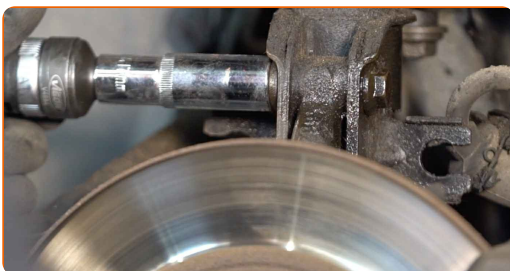
13

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



14

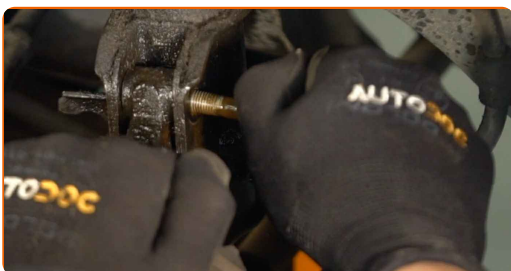
Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a drive socket #17. Use a tap wrench.



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



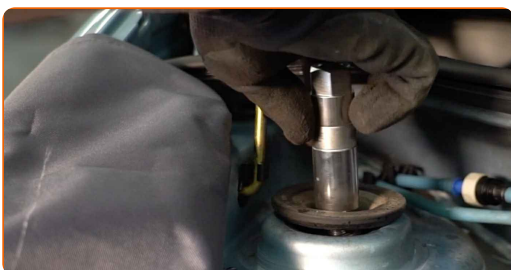
16 Remove the fastening bolts. Use a crowbar.



17 Disconnect the steering knuckle from the shock absorber strut. Use a crowbar.



18 Unscrew the top fastening of the shock strut mount. Use a drive socket #19.



AUTODOC recommends:

- Fiat Punto 188 – To avoid injury, hold the suspension strut while unscrewing the fastening bolts.

19

Remove the suspension strut.



20

Set the shock absorber strut on the spring compressor tool.

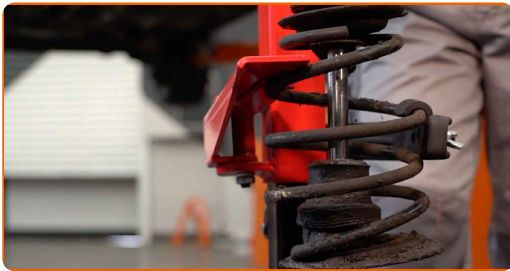


Replacement: suspension strut – Fiat Punto 188. AUTODOC experts recommend:

- 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.

21

Compress the spring.



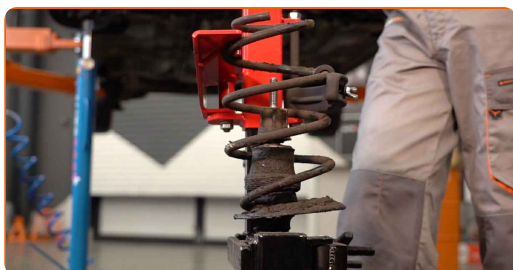
22 Remove the strut piston rod nut. Use HEX No.H6. Use a combination spanner #27. Use a ratchet wrench.



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.



Replacement: suspension strut – Fiat Punto 188. Tip from AUTODOC:

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

27

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

Replacement: suspension strut – Fiat Punto 188. Professionals recommend:

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

28

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

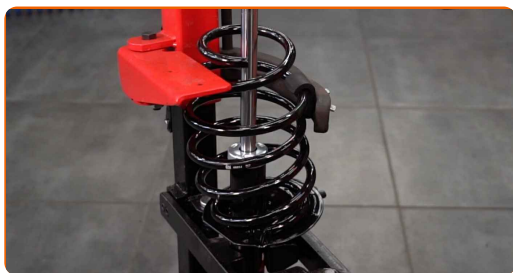


29

Install the spring on the shock absorber.



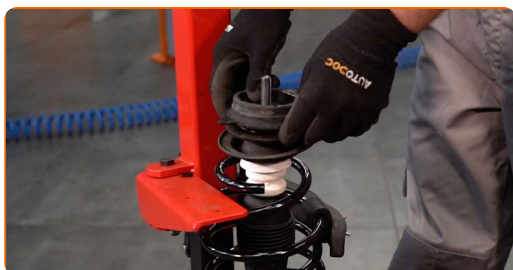
30 Compress the spring.



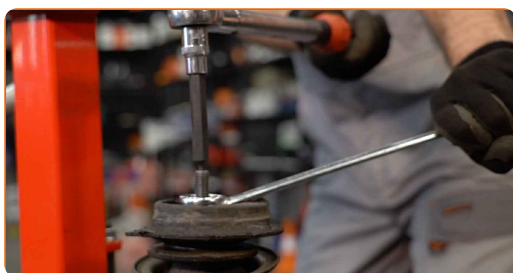
31 Install the dust sleeve and the bump stop on the new shock absorber.



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



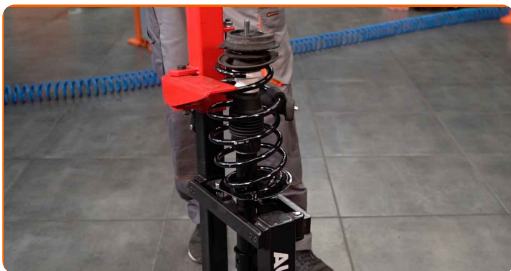
33 Tighten the shock strut piston rod nut. Use HEX No.H6. Use a combination spanner #27. Use a torque wrench. Tighten it to 59 Nm torque.



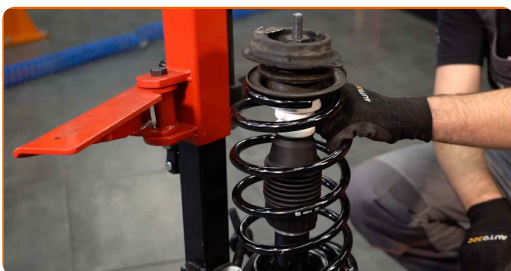
Replacement: suspension strut – Fiat Punto 188. AUTODOC recommends:

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

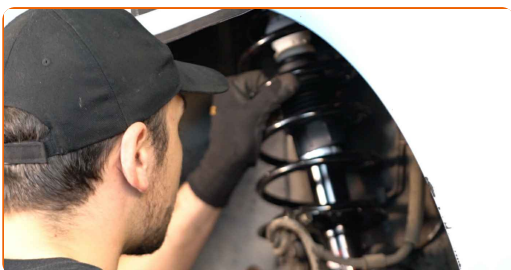
34 Decompress the spring.



35 Remove the assembled shock strut.



36 Install the shock strut into the wheel arch.



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

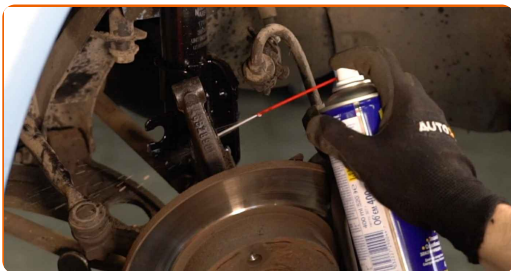


AUTODOC recommends:

- Important! Hold the suspension strut while screwing in the fastening bolts. Fiat Punto 188

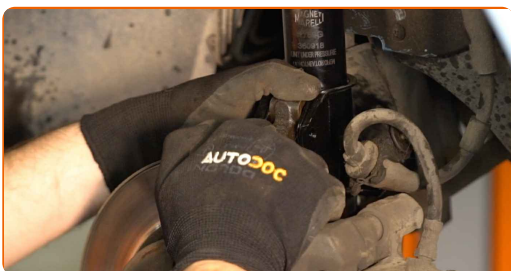
38

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



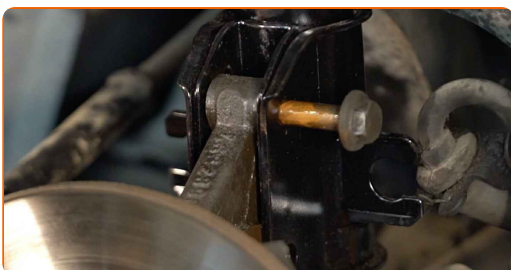
39

Fix the shock absorber strut on the steering knuckle.



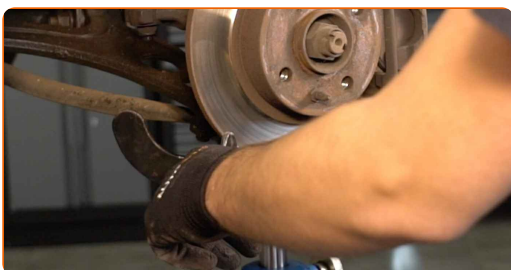
40

Install the fastening bolts.



41

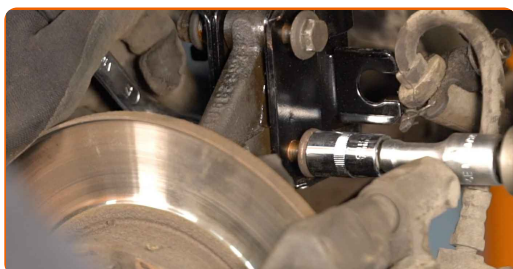
Remove the support from under the steering knuckle.



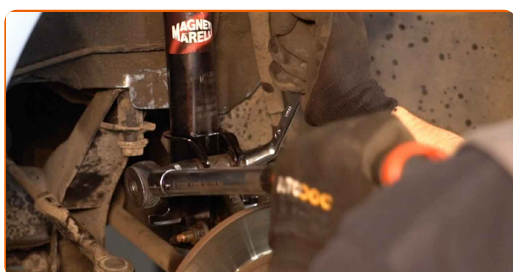
AUTODOC recommends:

- Fiat Punto 188 – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

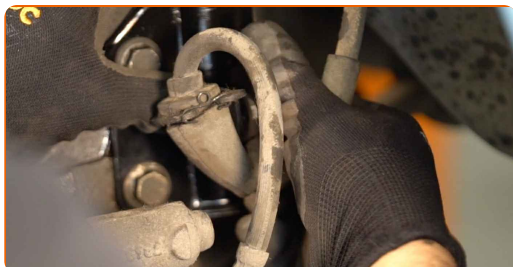
- 42 Screw in the fastener that connects the shock strut to the steering knuckle. Use a drive socket #15. Use a combination spanner #17.



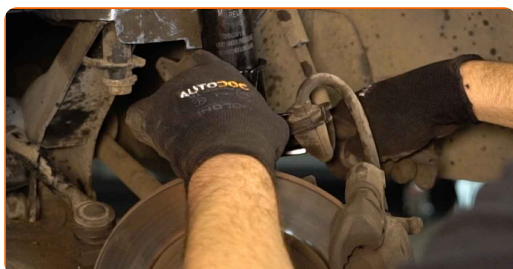
- 43 Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a drive socket #15. Use a combination spanner #17. Use a torque wrench. Tighten it to 75 Nm torque.



- 44 Fasten the brake hose on the strut.



- 45 Tighten the brake hose fastener. Use a drive socket #12. Use a ratchet wrench.



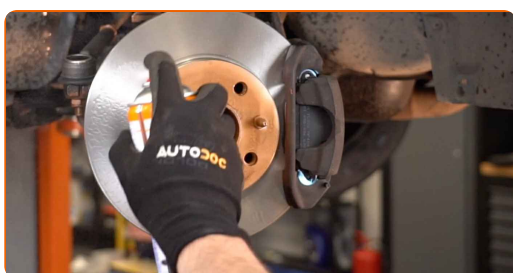
46 Treat the shock strut fasteners. Use copper grease.



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



48 Clean the brake disk surface. Use a brake cleaner. Replacement: suspension strut – Fiat Punto 188. AUTODOC experts recommend: After applying the spray, wait a few minutes.



49 Install the wheel.

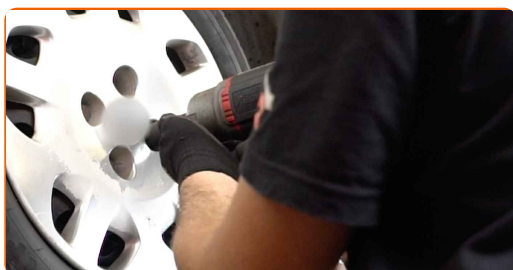


AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Fiat Punto 188

50

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



51

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 86 Nm torque.



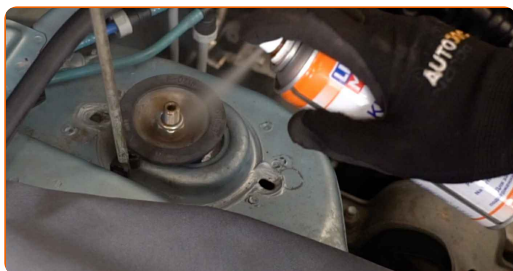
52

Tighten the upper fastener of the shock absorber strut mount. Use a drive socket #19. Use HEX No.H6. Use a torque wrench. Tighten it to 59 nm torque.



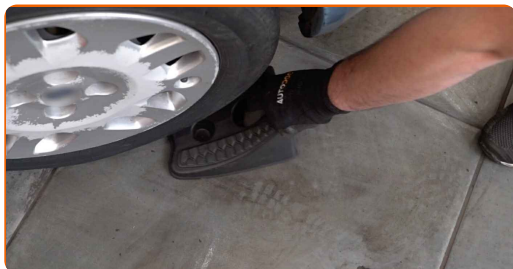
53

Treat the shock strut fasteners. Use copper grease.



54

Remove the jacks and chocks.



55

Remove the fender protection cover.



56

Close the hood.



WELL DONE! 

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