



How to change rear
shock absorbers on **Fiat**
Punto 199 – replacement
guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

FIAT PUNTO EVO (199) 1.4 Natural Power, FIAT PUNTO EVO (199) 1.3 D Multijet, FIAT PUNTO EVO (199) 1.2, FIAT GRANDE PUNTO (199) 1.2, FIAT GRANDE PUNTO (199) 1.4 Natural Power, FIAT PUNTO EVO (199) 1.4, FIAT GRANDE PUNTO (199) 1.3 D Multijet, FIAT GRANDE PUNTO (199) 1.4, FIAT GRANDE PUNTO (199) 1.4 LPG, FIAT GRANDE PUNTO (199) 1.9 D Multijet, FIAT GRANDE PUNTO (199) 1.6 D Multijet, FIAT PUNTO EVO (199) 1.4 LPG, FIAT PUNTO (199) 0.9 Bifuel, FIAT GRANDE PUNTO (199) 1.4 16V, FIAT GRANDE PUNTO (199) 1.4 T-Jet, (+ 12)

The steps may slightly vary depending on the car design.

**REPLACEMENT: SHOCK ABSORBERS – FIAT PUNTO
199. LIST OF THE TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Drive socket # 10
- Drive socket # 16
- Drive socket # E16
- Drive socket # E18
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Shock absorber socket #DD6
- Vice
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

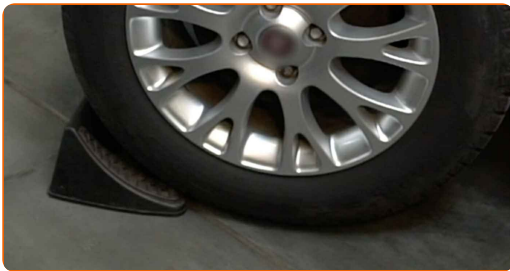
Replacement: shock absorbers – Fiat Punto 199. Tip from AUTODOC experts:

- Both shock absorbers of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock absorbers of the rear suspension.
- All work should be done with the engine stopped.

REPLACEMENT: SHOCK ABSORBERS – FIAT PUNTO 199. TAKE THE FOLLOWING STEPS:

1

Secure the wheels with chocks.



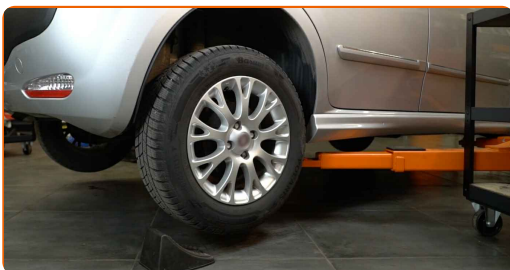
2

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



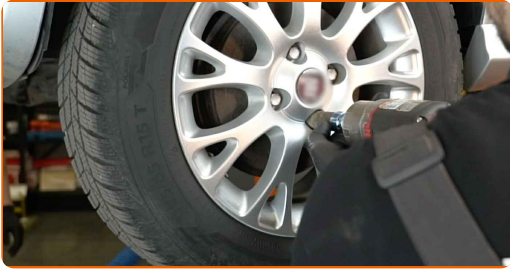
3

Raise the rear of the car and secure on supports.



4

Unscrew the wheel bolts.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. Fiat Punto 199

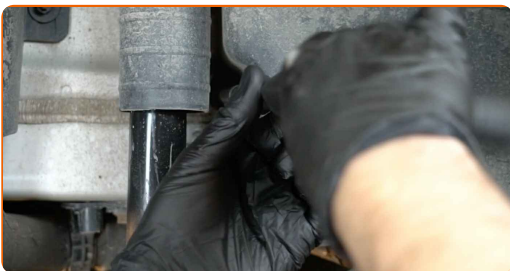
5

Remove the wheel.



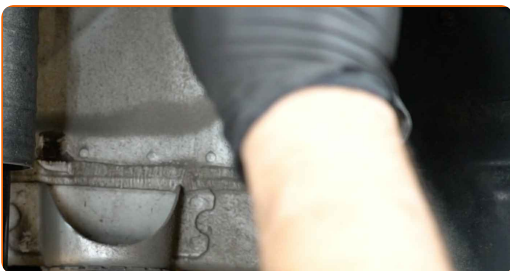
6

Unscrew the wheel arch cover fasteners. Use a drive socket #10. Use a ratchet wrench.

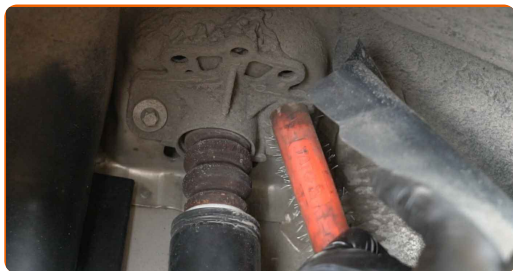


7

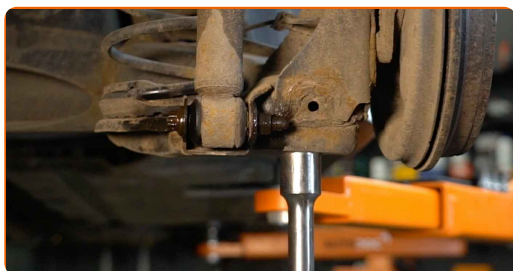
Move the part aside.



8 Clean the shock absorber fasteners. Use a wire brush. Use WD-40 spray.



9 Support the rear suspension beam. Use a hydraulic transmission jack.



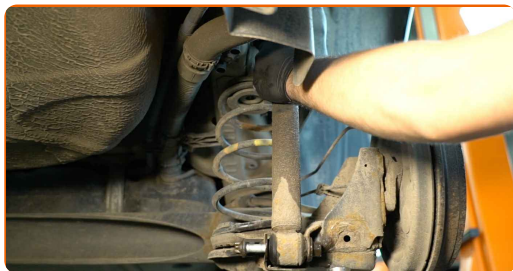
10 Unscrew the lower fastener of the shock absorber. Use a drive socket #E18. Use a ratchet wrench.



11 Unscrew the upper fastener of the shock absorber. Use a drive socket #E16. Use a ratchet wrench.



12 Lower the hydraulic transmission jack by 10-15 cm.



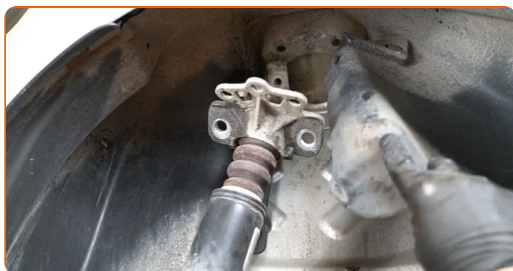
AUTODOC recommends:

- Replacement: shock absorbers – Fiat Punto 199. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

13 Remove the fastening bolt.



14 Remove the shock absorber.

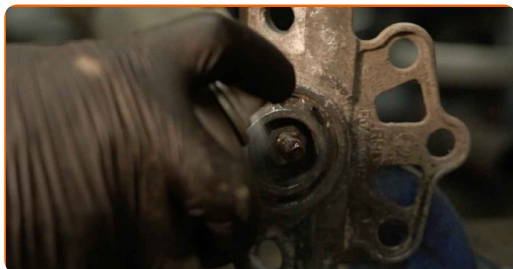


15 Grip the shock absorber in a vice.



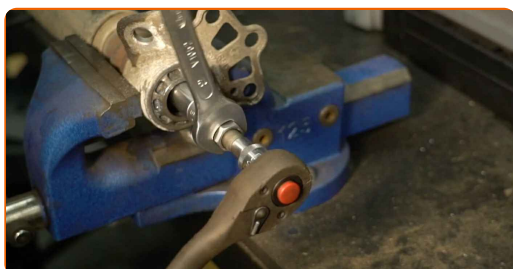
16

Clean the shock absorber rod fastener. Use a wire brush. Use WD-40 spray.



17

Remove the shock absorber piston rod fastening. Use a shock absorber socket DDN[®]6. Use a drive socket #16. Use a ratchet wrench.



18

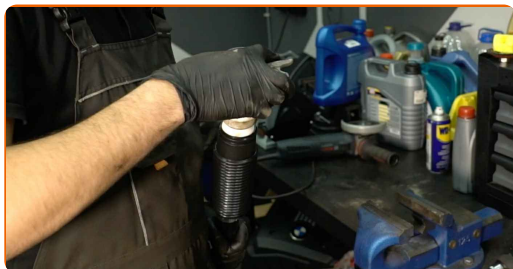
Remove the shock absorber mount, boot and bump stop.



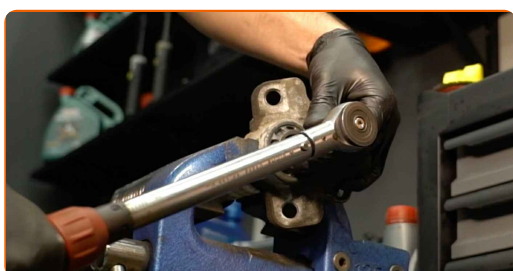
Replacement: shock absorbers – Fiat Punto 199. Tip:

- Thoroughly examine the shock absorber mount, dust boot, bump stop. Replace them if necessary.
- Before installing a new shock absorber you should pump it manually 3-5 times.

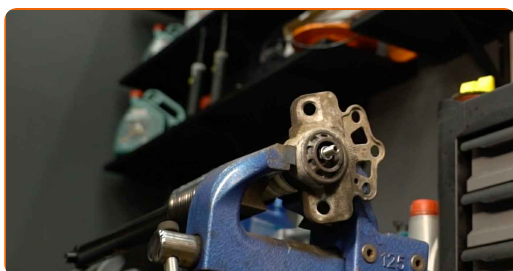
19 Install the mount, boot and bump stop onto a new shock absorber.



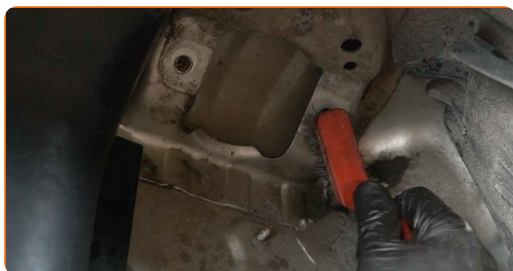
20 Tighten the shock absorber rod nut. Use a shock absorber socket DDN⁰⁶. Use a drive socket #16. Use a torque wrench. Tighten it to 35 nm torque.



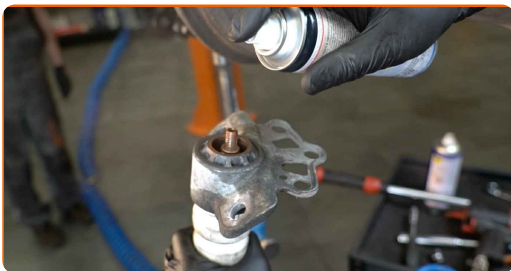
21 Release the vice and take out the shock absorber.



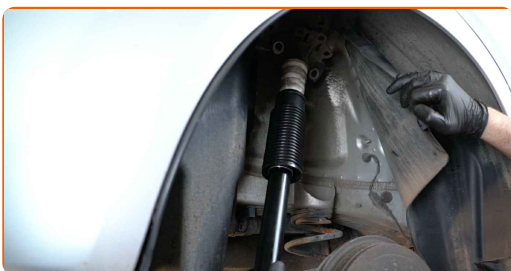
22 Clean the shock absorber mounting seats. Use a wire brush. Use WD-40 spray.



23 Treat the shock absorber rod fastener. Use copper grease.



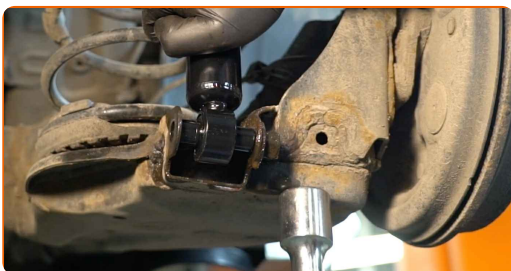
24 Place the shock absorber in the wheel arch and secure it.



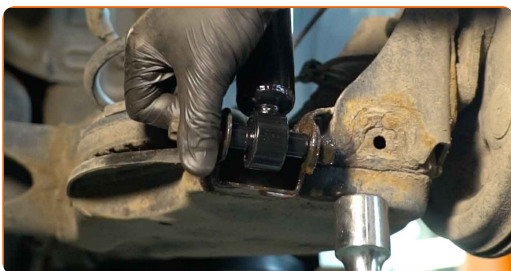
AUTODOC recommends:

- Important! Hold the shock absorber while screwing in the fastening bolts. Fiat Punto 199

25 Raise the hydraulic transmission jack by 10-15 cm.



26 Install the fastening bolt.



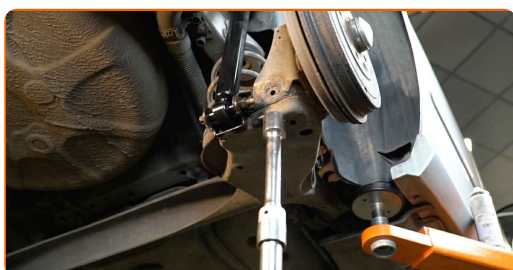
27

Screw in the lower fastener of the shock absorber. Use a drive socket #E18. Use a ratchet wrench.



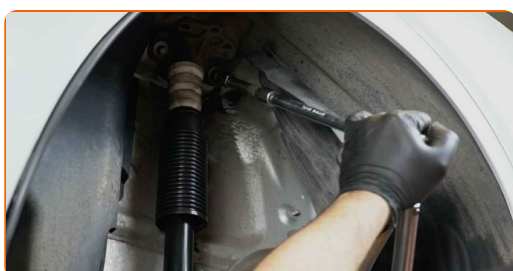
28

Raise the hydraulic transmission jack by 10-15 cm.



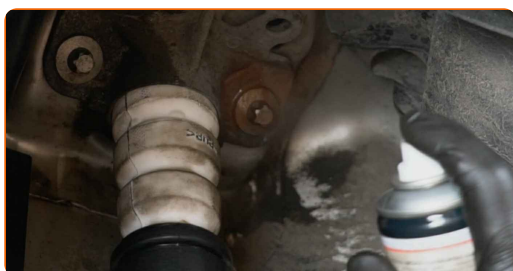
29

Tighten the top shock absorber fastening. Use a drive socket #E16. Use a torque wrench. Tighten it to 72 Nm torque.



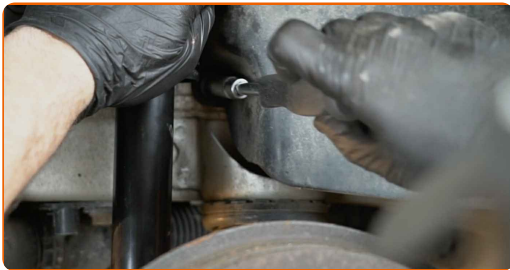
30

Treat the shock absorber fasteners. Use copper grease.



31

Install the wheel arch cover to its mounting seat. Screw in the fasteners. Use a drive socket #10. Use a ratchet wrench.



32

Tighten the lower fastener of the shock absorber. Use a drive socket #E18. Use a torque wrench. Tighten it to 120 Nm torque.



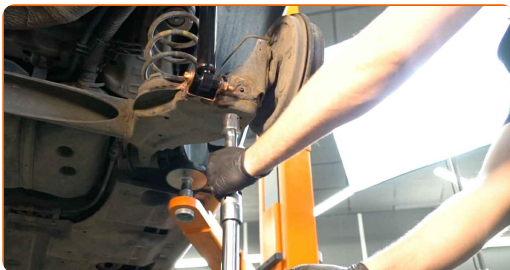
33

Treat the shock absorber fasteners. Use copper grease.



34

Remove the mounting from under the rear axle beam.



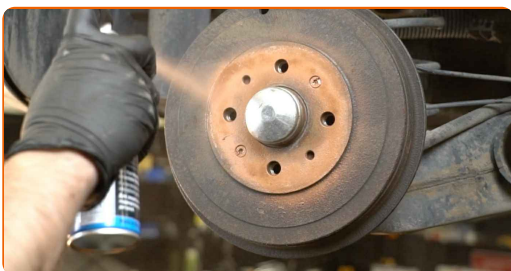
AUTODOC recommends:

- Fiat Punto 199 – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

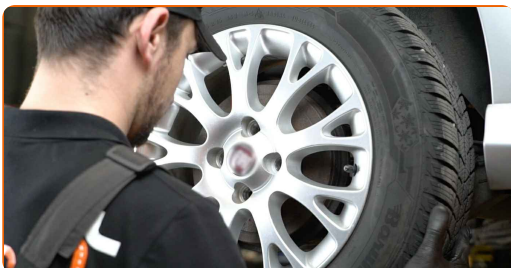
35 Clean the wheel rim mounting seat. Use a wire brush.



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



37 Install the wheel.



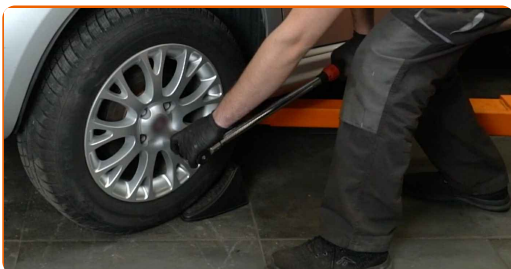
Replacement: shock absorbers – Fiat Punto 199. AUTODOC recommends:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

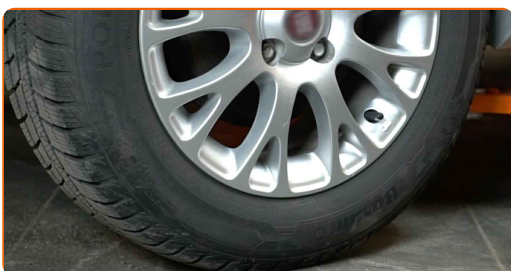
38 Screw in the wheel bolts. Use wheel impact socket #17.



- 39** 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.



- 40** Remove the jacks and chocks.



WELL DONE! 

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