



How to change rear  
shock absorbers on **Fiat**  
**Doblo Cargo** –  
replacement guide

## VIDEO TUTORIAL



### **i Important!**

This replacement procedure can be used for:

FIAT Doblo I Estate (119, 223) 1.2, FIAT Doblo I Estate (119, 223) 1.9 D, FIAT Doblo I Cargo (223) 1.2, FIAT Doblo I Cargo (223) 1.9 D, FIAT Doblo I Estate (119, 223) 1.9 JTD, FIAT Doblo I Estate (119, 223) 1.6 16V, FIAT Doblo I Cargo (223) 1.6 16V, FIAT Doblo I Cargo (223) 1.9 JTD, FIAT Doblo I Cargo (223) 1.3 JTD 16V, FIAT Doblo I Estate (119, 223) 1.3 D Multijet, FIAT Doblo I Estate (119, 223) 1.6 Natural Power, FIAT Doblo I Cargo (223) 1.4, FIAT Doblo I Cargo (223) 1.6 Natural Power

The steps may slightly vary depending on the car design.

REPLACEMENT: SHOCK ABSORBERS – FIAT DOBLO  
CARGO. TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Combination spanner #21
- Combination spanner #22
- Drive socket # 16
- Drive socket # 18
- Drive socket # 21
- Wheel impact socket #17
- Torque wrench
- Tap wrench
- Hydraulic transmission jack
- Wheel chock

**BUY TOOLS**

Replacement: shock absorbers – Fiat Doblo Cargo. 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 DOBLO CARGO. RECOMMENDED SEQUENCE OF STEPS:**

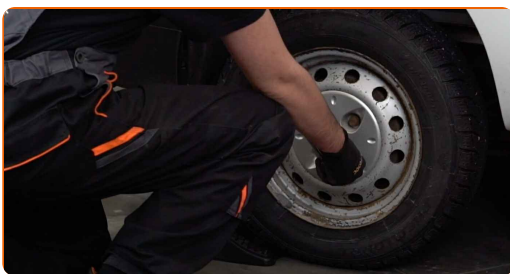
1

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.

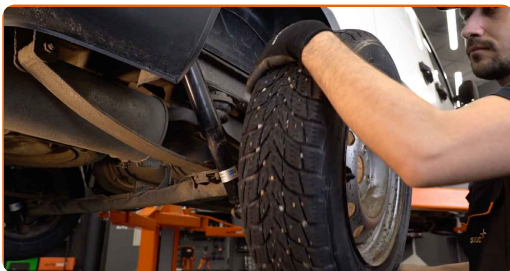


Replacement: shock absorbers – Fiat Doblo Cargo. AUTODOC recommends:

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

5

Remove the wheel.



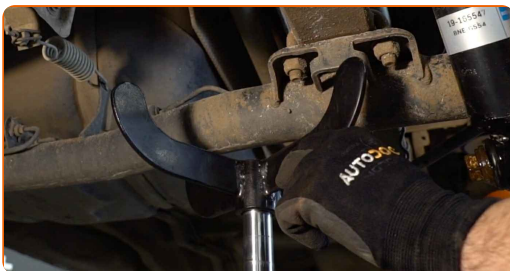
6

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



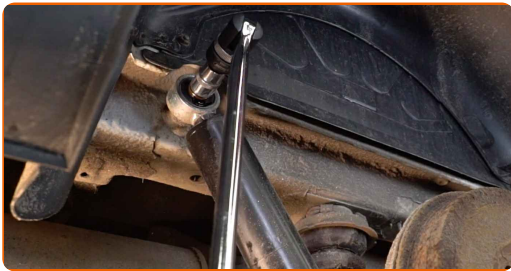
7

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



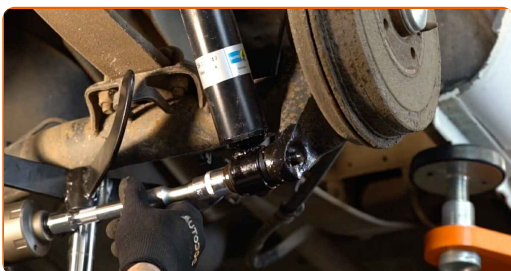
8

Unscrew the upper fastener of the shock absorber. Use a drive socket #18. Use a tap wrench.



9

Unscrew the lower fastener of the shock absorber. Use a drive socket #21. Use a tap wrench.

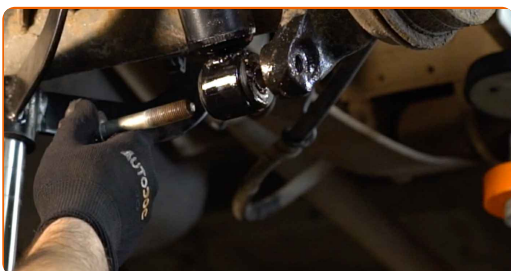


### Replacement: shock absorbers – Fiat Doblo Cargo. Tip:

- To avoid injuries, hold the shock absorber when undoing the fastening bolts.

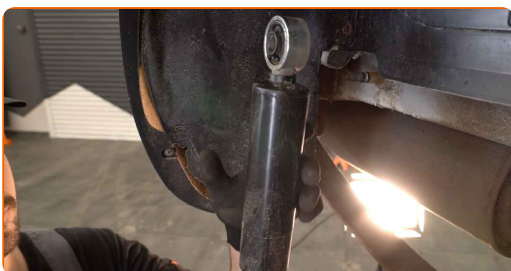
10

Remove the fastening bolt.



11

Remove the shock absorber.



Replacement: shock absorbers – Fiat Doblo Cargo. Professionals recommend:

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

12

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



13

Place the shock absorber in the wheel arch and fasten it.

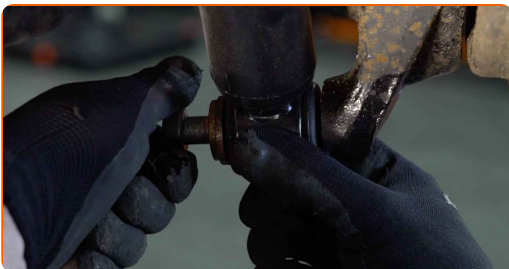


AUTODOC recommends:

- Important! Hold the shock absorber while screwing in the fastening bolts. Fiat Doblo Cargo

14

Install the fastening bolt.



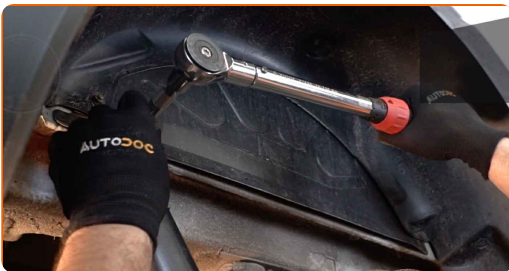
**15** Screw in the lower fastener of the shock absorber. Use a drive socket #21.



**16** Screw the upper fastener of the shock absorber. Use a drive socket #18. Use a combination spanner #22.



**17** Tighten the top shock absorber fastening. Use a drive socket #18. Use a torque wrench. Tighten it to 50 Nm torque.



**18** Tighten the lower fastener of the shock absorber. Use a drive socket #21. Use a combination spanner #21. Use a torque wrench. Tighten it to 110 Nm torque.





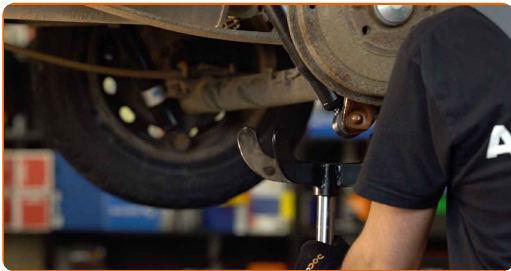
19

Treat the shock absorber fasteners. Use copper grease.



20

Remove the mounting from under the rear axle beam.

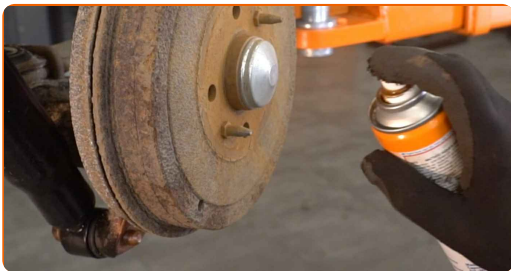


**AUTODOC recommends:**

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

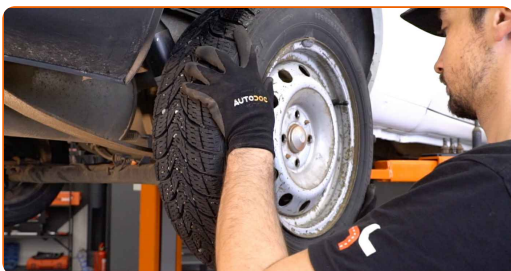
21

Clean the wheel rim mounting seat. Use a wire brush. Treat the contacting surface. Use copper grease.



22

Install the wheel.



AUTODOC recommends:

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

23

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



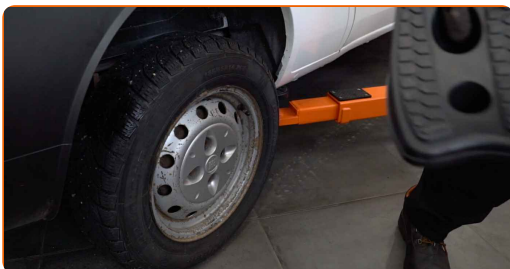
24

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 98 Nm torque.



25

Remove the jacks and chocks.



**WELL DONE!** 

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