



How to change wheel  
cylinder on **FIAT**  
**GRANDE 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 GRANDE 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 PUNTO (188) 1.3 JTD 16V

REPLACEMENT: WHEEL CYLINDER – FIAT GRANDE PUNTO (199). TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Drive socket # 10
- Drive socket # 12
- Combination spanner №8
- Flare Nut Wrench № 11
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Flat screwdriver
- Wheel chock

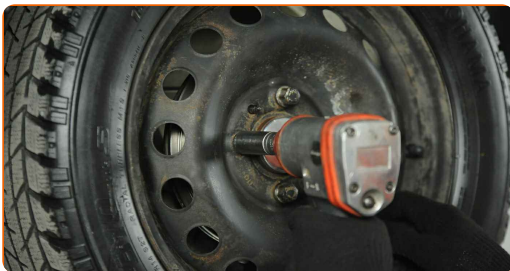
**Buy tools**

Replacement: wheel cylinder – FIAT GRANDE PUNTO (199). AUTODOC experts recommend:

- Replace the wheel brake cylinders of the rear drum brakes in pairs.
- The replacement procedure is identical for the right and left wheel brake cylinders of the rear drum brakes.
- All work should be done with the engine stopped.

## REPLACEMENT: WHEEL CYLINDER – FIAT GRANDE 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.



Replacement: wheel cylinder – FIAT GRANDE PUNTO (199). Tip from AUTODOC:

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

**5** Remove the wheel.



**6.1** Unscrew the brake drum fastening.

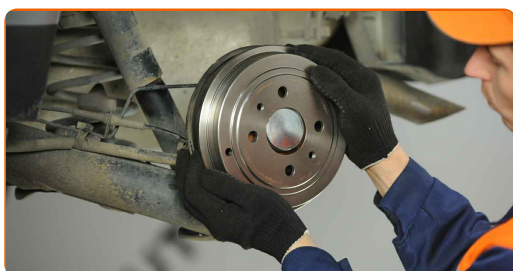


**6.2** Use a drive socket #12.



**6.3** Use a ratchet wrench.

**7** Remove the brake drum.

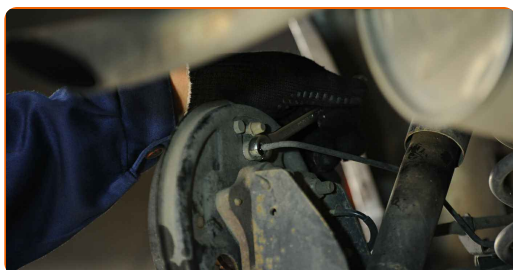


Replacement: wheel cylinder – FIAT GRANDE PUNTO (199). AUTODOC recommends:

- Examine the brake drum. Replace it if necessary.

8

Disconnect the hydraulic line from the wheel cylinder back. Use a flare nut spanner #11.



Replacement: wheel cylinder – FIAT GRANDE PUNTO (199). Professionals recommend:

- Immediately plug the brake line open end to prevent fluid leakage and ingress of dirt into the hydraulic system.

9

Unscrew the brake cylinder fastening bolt. Use a drive socket #10. Use a ratchet wrench.



**10.1** Remove the brake cylinder from the backplate.



**10.2** Use a flat screwdriver.



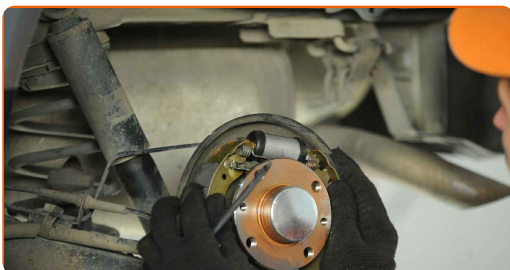
**11** Clean the brake drum. Use a wire brush. Use WD-40 spray.

**12** Clean the brake pipe attachment spot and the brake drum fastening bolts on FIAT GRANDE PUNTO (199).

**13.1** Install a new brake cylinder.



**13.2** Use a flat screwdriver.



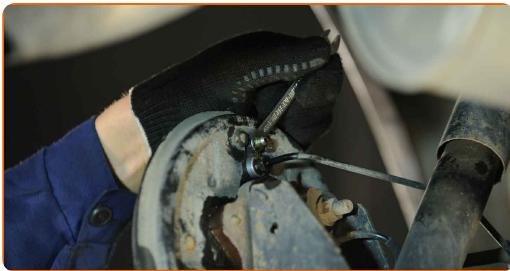
**14** Screw the brake cylinder fastening bolts. Use a drive socket #10. Use a ratchet wrench.



**15** Connect the hydraulic line to the wheel cylinder back. Use a flare nut spanner #11.



**16** Bleed the brake cylinder system. Use a combination spanner #8.



**Replacement: wheel cylinder – FIAT GRANDE PUNTO (199). Tip:**

- Make sure to set the protection cap on the bleeder valve.

**17** Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.



**18** Install the brake drum and fasten it.

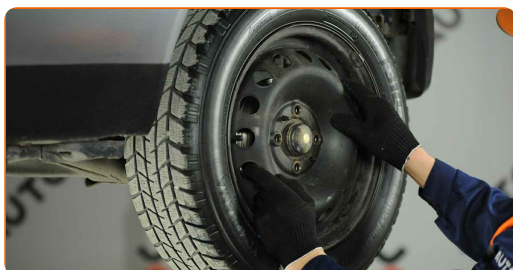


**19** Tighten the brake drum fasteners. Use a drive socket #12. Use a torque wrench. Tighten it to 15 Nm torque.



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

**21** Install the wheel.



**AUTODOC recommends:**

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

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



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

**24** Remove the jacks and chocks.



Replacement: wheel cylinder – FIAT GRANDE PUNTO (199). Tip from AUTODOC experts:

- Bleed the brake system after replacing the cylinder on FIAT GRANDE PUNTO (199).
- Check the brake fluid level in the expansion tank and refill if necessary.
- Perform test braking when driving at an average speed, the FIAT GRANDE PUNTO (199) should not pull to one side.

**WELL DONE!** 

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