



How to change wheel  
cylinder on **OPEL**  
**COMBO (71\_)** –  
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:  
 OPEL COMBO (71\_) 1.4 16V

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: OPEL Corsa B Hatchback (S93) 1.4 i (F08, F68, M68)

**REPLACEMENT: WHEEL CYLINDER – OPEL COMBO (71\_). TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Copper grease
- Drive socket # 10
- Combination spanner #9
- Combination spanner #24
- Flare Nut Wrench № 10
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Round-nose pliers
- Rubber mallet
- Flat Screwdriver
- Crow bar
- Wheel chock

**Buy tools**

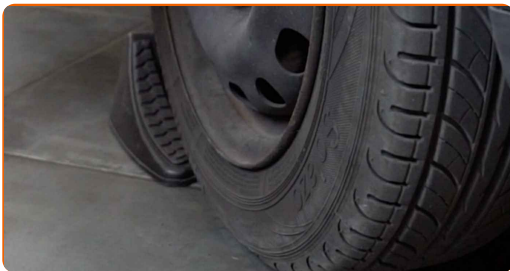
Replacement: wheel cylinder – OPEL COMBO (71\_). AUTODOC experts recommend:

- 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 – OPEL COMBO (71\_). RECOMMENDED SEQUENCE OF STEPS:

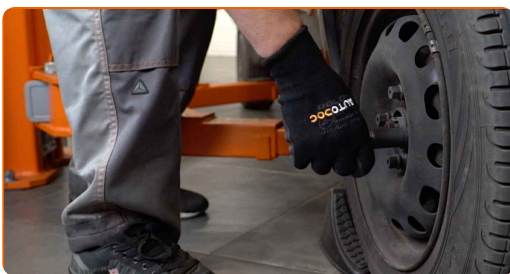
1

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.



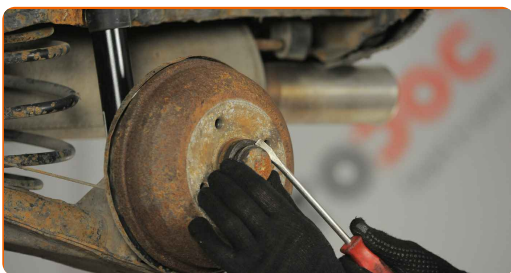
Replacement: wheel cylinder – OPEL COMBO (71\_). Tip from AUTODOC:

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

**5** Remove the wheel.



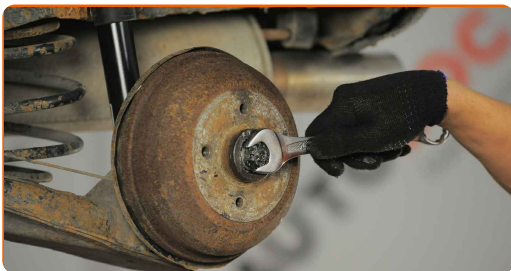
**6** Remove the hub bearing protection cap. Use a flat screwdriver.



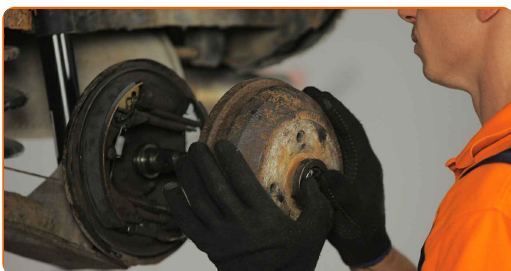
**7** Remove the cotter pin securing the hub nut. Use round-nose pliers.



**8** Unscrew the wheel hub axle nut. Use a combination spanner #24.



**9** Remove the brake drum.

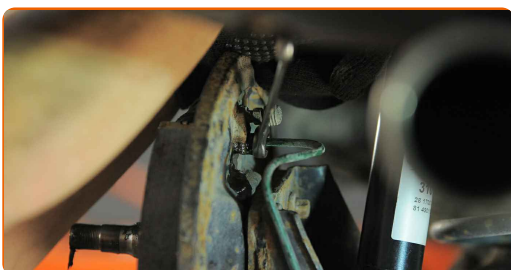


Replacement: wheel cylinder – OPEL COMBO (71\_). Professionals recommend:

- Examine the brake drum. Replace it if necessary.

**10** Unscrew the fastener connecting the brake pipe to the wheel cylinder. Use a flare nut spanner #10.

**11** Detach the brake pipe.

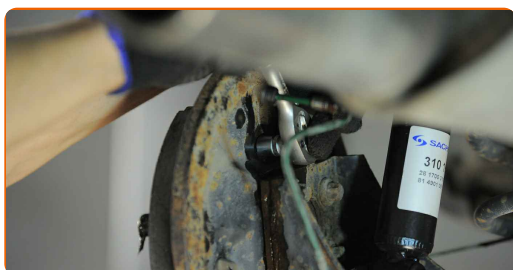


Replacement: wheel cylinder – OPEL COMBO (71\_). AUTODOC recommends:

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

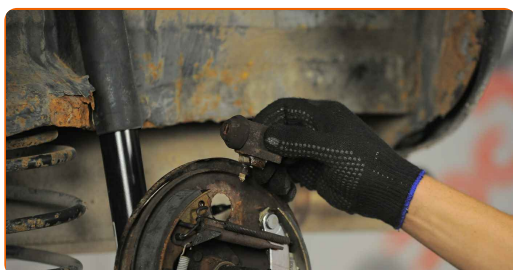
12

Unscrew the wheel cylinder fastener. Use a drive socket #10. Use a ratchet wrench.



13

Remove the brake cylinder from the backplate. Use a crowbar.



14

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

15

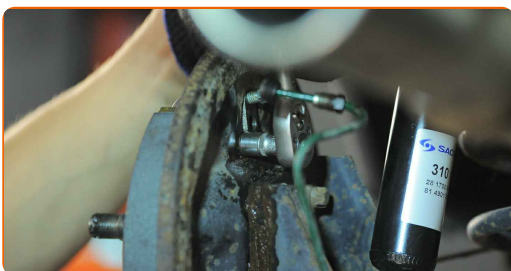
Clean the brake pipe attachment spot and the brake drum fastening bolts on OPEL COMBO (71\_).



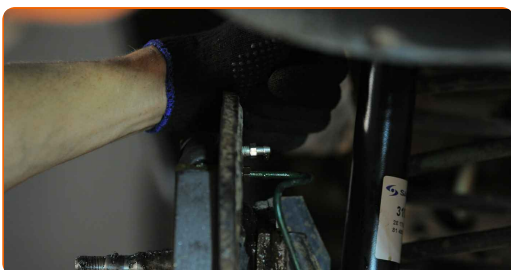
**16** Install a new brake cylinder.



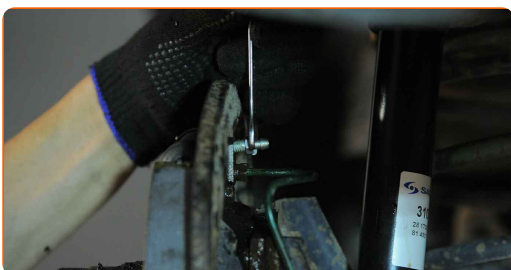
**17** Tighten the wheel cylinder fastener. Use a drive socket #10. Use a torque wrench. Tighten it to 10 nm torque.



**18** Attach the brake pipe. Use a flare nut spanner #10.



**19** Bleed the brake cylinder system. Use a combination spanner #9.



**Replacement: wheel cylinder – OPEL COMBO (71\_). Tip:**

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



**20** Tighten the fastener connecting the brake pipe to the wheel cylinder. Use a flare nut spanner #10. Use a torque wrench. Tighten it to 15 nm torque.

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

**22** Install a brake drum.



**23** Screw in the wheel hub fastener. Use a combination spanner #24. Use a ratchet wrench.



**24** Install the cotter pin of the hub bearing fastening nut. Use round-nose pliers.



**25** Install the hub bearing protection cap. Use a rubber mallet.



- 26** Clean the wheel rim mounting seat. Use a wire brush. Treat the surface where the wheel rim contacts the brake drum. Use copper grease.



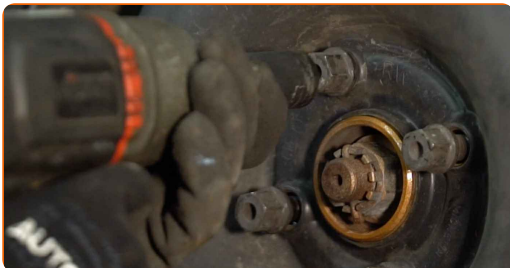
- 27** Install the wheel.



Replacement: wheel cylinder – OPEL COMBO (71\_). AUTODOC experts recommend:

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

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



- 29** 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 110 nm torque.



- 30** Remove the jacks and chocks.

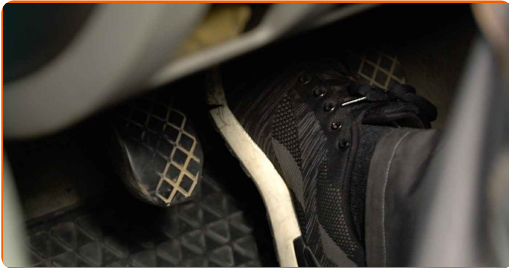


**AUTODOC recommends:**

- Bleed the brake system after replacing the cylinder on OPEL COMBO (71\_).
- Important! Replacement: wheel cylinder – OPEL COMBO (71\_). Check the brake fluid level in the reservoir and top up if necessary.
- Perform test braking when driving at an average speed, the OPEL COMBO (71\_) should not pull to one side.

**31**

Adjust the gap between the brake shoes and the drum on OPEL COMBO (71\_), pressing the brake pedal 10-15 times.



**WELL DONE!** 

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