



How to change wheel
cylinder on **VAUXHALL**
Combo Mk I (B) Van
(S93) – 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:
VAUXHALL Combo Mk I (B) Van (S93) 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 – VAUXHALL COMBO MK I (B) VAN (S93). TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Drive socket # 10
- Combination spanner #9
- Combination spanner #24
- Flare Nut Wrench Nº 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 – VAUXHALL Combo Mk I (B) Van (S93).
AUTODOC experts recommend:

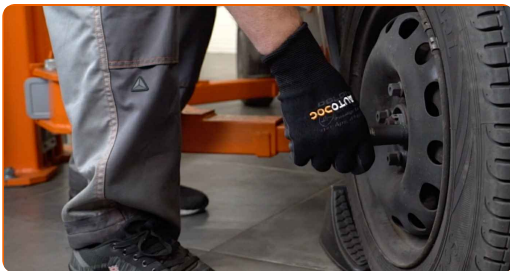
- Replace the wheel brake cylinders of the rear drum brakes in pairs.
- The replacement procedure is identical for the right and left wheel brake cylinders of the rear drum brakes.
- All work should be done with the engine stopped.

REPLACEMENT: WHEEL CYLINDER – VAUXHALL COMBO MK I (B) VAN (S93). 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 – VAUXHALL Combo Mk I (B) Van (S93). 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.

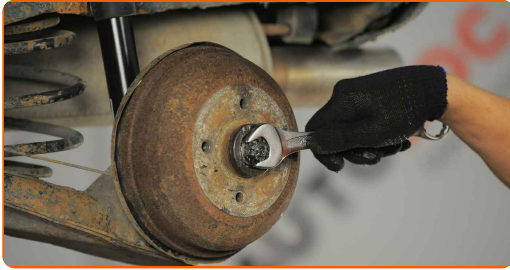


7 Remove the cotter pin securing the hub nut. Use round-nose pliers.



8

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



9

Remove the brake drum.



Replacement: wheel cylinder – VAUXHALL Combo Mk I (B) Van (S93).
Professionals recommend:

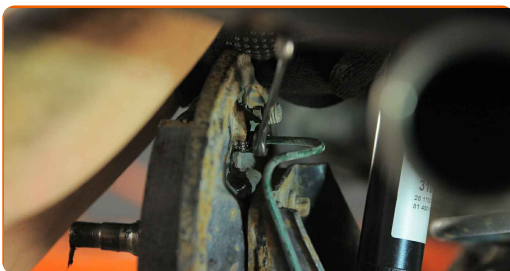
- Examine the brake drum. Replace it if necessary.

10

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

11

Detach the brake pipe.

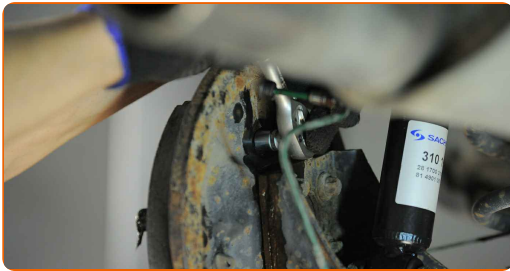


Replacement: wheel cylinder – VAUXHALL Combo Mk I (B) Van (S93).
AUTODOC recommends:

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

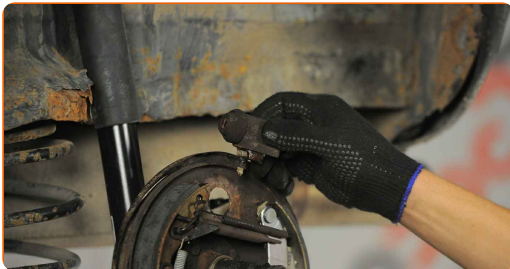
12

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.

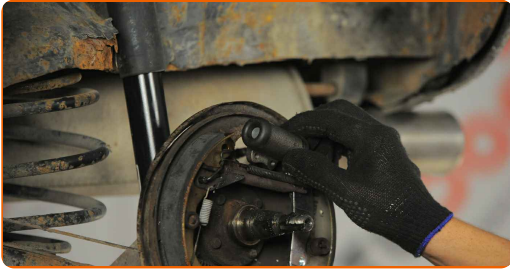
15

Clean the brake pipe attachment spot and the brake drum fastening bolts on VAUXHALL Combo Mk I (B) Van (S93).



16

Install a new brake cylinder.



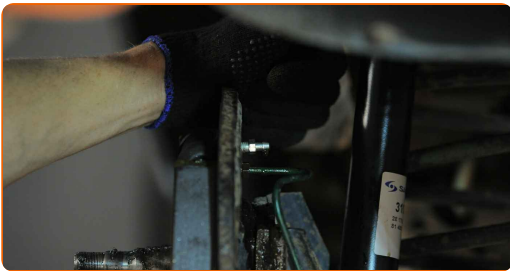
17

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



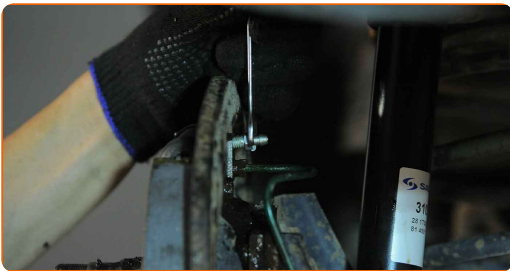
18

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



19

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



Replacement: wheel cylinder – VAUXHALL Combo Mk I (B) Van (S93). 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.



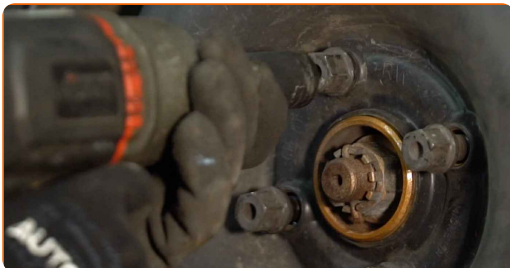
- 27** Install the wheel.



Replacement: wheel cylinder – VAUXHALL Combo Mk I (B) Van (S93).
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 VAUXHALL Combo Mk I (B) Van (S93).
- Important! Replacement: wheel cylinder – VAUXHALL Combo Mk I (B) Van (S93). Check the brake fluid level in the reservoir and top up if necessary.
- Perform test braking when driving at an average speed, the VAUXHALL Combo Mk I (B) Van (S93) should not pull to one side.

31

Adjust the gap between the brake shoes and the drum on VAUXHALL Combo Mk I (B) Van (S93), pressing the brake pedal 10-15 times.



WELL DONE! 

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