



How to change wheel  
cylinder on **VAUXHALL**  
**ASTRA Mk III (F)** –  
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 ASTRA Mk III (F) 1.4 i, VAUXHALL ASTRA Mk III (F) 1.6 i, VAUXHALL ASTRA Mk III (F) 1.6 i 16V, VAUXHALL ASTRA Mk III (F) 1.8 i, VAUXHALL ASTRA Mk III (F) 2.0 i, VAUXHALL ASTRA Mk III (F) 1.7 D, VAUXHALL ASTRA Mk III (F) 1.7 TD, VAUXHALL ASTRA Mk III (F) 1.8 i 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 ASTRA MK III (F). 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 ASTRA Mk III (F). 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 ASTRA MK III (F). 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 ASTRA Mk III (F). Tip from AUTODOC:

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

**5** Remove the wheel.



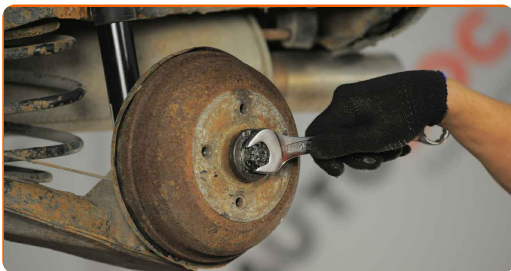
**6** Remove the hub bearing protection cap. Use a flat screwdriver.



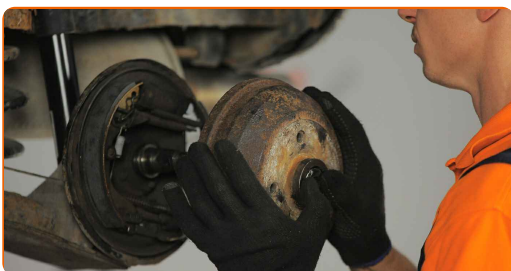
**7** Remove the cotter pin securing the hub nut. Use round-nose pliers.



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



**9** Remove the brake drum.

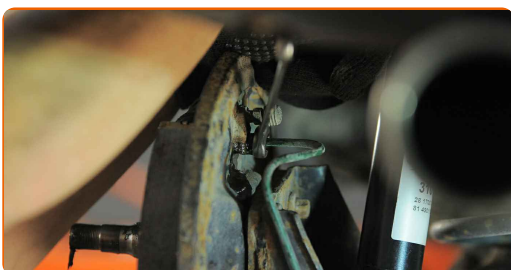


Replacement: wheel cylinder – VAUXHALL ASTRA Mk III (F). Professionals recommend:

- 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.

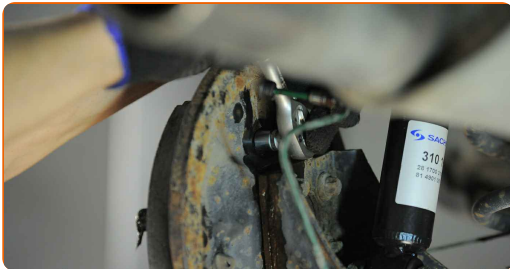


Replacement: wheel cylinder – VAUXHALL ASTRA Mk III (F). AUTODOC recommends:

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

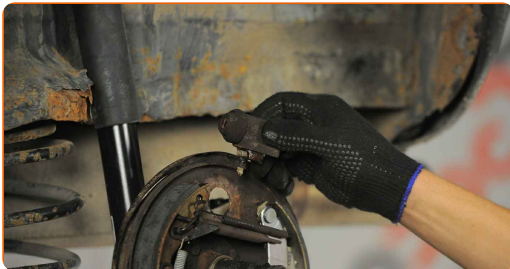
12

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

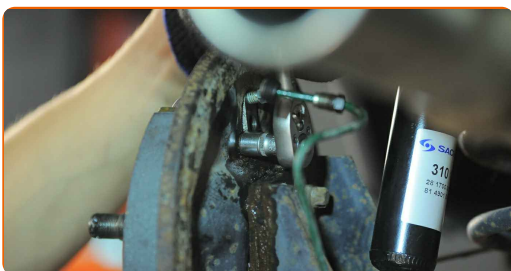
Clean the brake pipe attachment spot and the brake drum fastening bolts on VAUXHALL ASTRA Mk III (F).



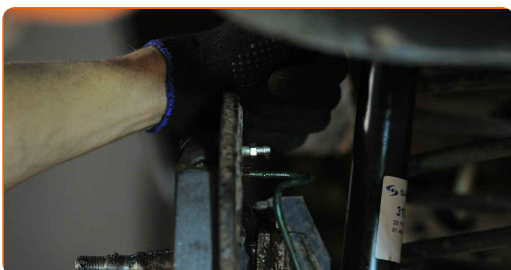
**16** Install a new brake cylinder.



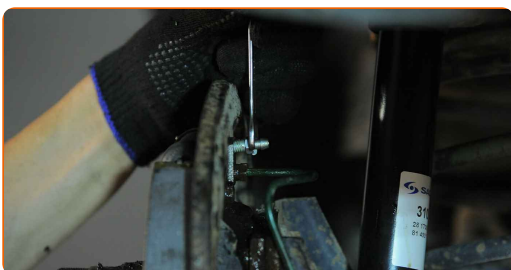
**17** Tighten the wheel cylinder fastener. Use a drive socket #10. Use a torque wrench. Tighten it to 10 nm torque.



**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 ASTRA Mk III (F). 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.



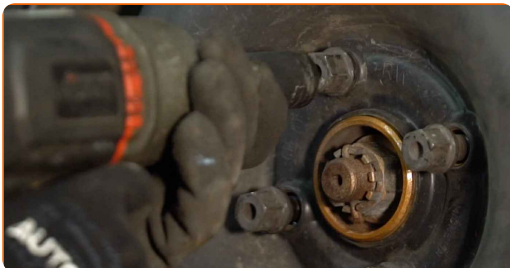
- 27** Install the wheel.



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

- 31** Adjust the gap between the brake shoes and the drum on VAUXHALL ASTRA Mk III (F), pressing the brake pedal 10-15 times.



**WELL DONE!** 

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