



How to change wheel  
cylinder on **OPEL Astra F  
CC (T92)** – 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 Astra F CC (T92) 1.7 TDS (F08, M08, F68, M68), OPEL Astra F CC (T92) 1.7 D (F08, M08, F68, M68), OPEL Astra F CC (T92) 1.4 i (F08, M08, F68, M68), OPEL Astra F CC (T92) 1.4 Si (F08, M08, F68, M68), OPEL Astra F CC (T92) 1.6 i (F08, M08, F68, M68), OPEL Astra F CC (T92) 1.6 Si (F08, M08, F68, M68), OPEL Astra F CC (T92) 1.8 i (F08, M08, F68, M68), OPEL Astra F CC (T92) 2.0 i (F08, M08, F68, M68), OPEL Astra F CC (T92) 1.8 i 16V (F08, M08, F68, M68), OPEL Astra F CC (T92) 1.7 TD (F08, M08, F68, M68), OPEL Astra F CC (T92) 1.6 i 16V (F08, M08, F68, M68), OPEL Astra F CC (T92) 1.4 (F08, M08, F68, M68), OPEL Astra F CC (T92) 1.6 (F08, M08, F68, M68), OPEL Astra F CC (T92) 1.8 (F08, M08, F68, M68)

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 ASTRA F CC (T92). 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 Astra F CC (T92). 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 ASTRA F CC (T92). 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 Astra F CC (T92). 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 Astra F CC (T92). 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.

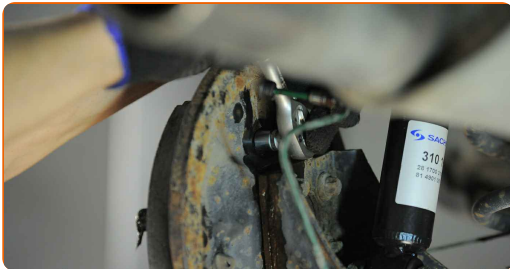


Replacement: wheel cylinder – OPEL Astra F CC (T92). AUTODOC recommends:

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

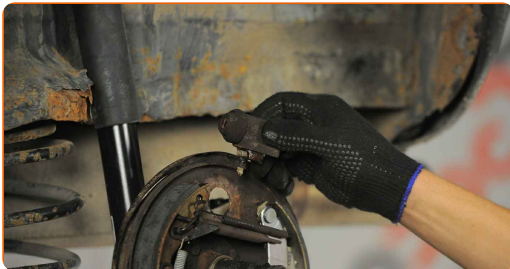
12

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 Astra F CC (T92).

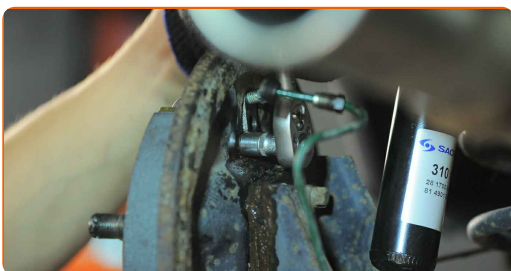




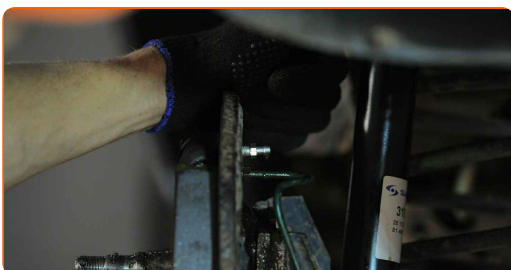
**16** Install a new brake cylinder.



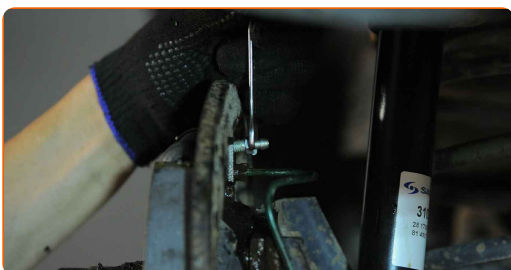
**17** Tighten the wheel cylinder fastener. Use a drive socket #10. Use a torque wrench. Tighten it to 10 nm torque.



**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 Astra F CC (T92). 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 Astra F CC (T92). 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.



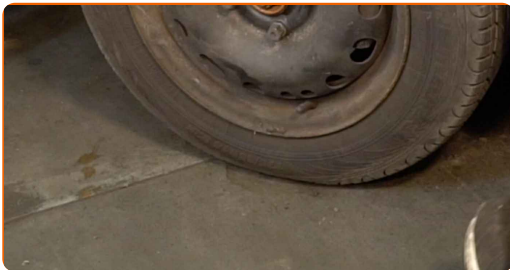
**29**

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 Astra F CC (T92).
- Important! Replacement: wheel cylinder – OPEL Astra F CC (T92). Check the brake fluid level in the reservoir and top up if necessary.
- Perform test braking when driving at an average speed, the OPEL Astra F CC (T92) should not pull to one side.

**31**

Adjust the gap between the brake shoes and the drum on OPEL Astra F CC (T92), pressing the brake pedal 10-15 times.



**WELL DONE!** 

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