



How to change wheel  
cylinder on **VW 411/412**  
**Hatchback (4)** –  
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:  
VW 411/412 Hatchback (4) 1.7

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: VW Lupo (6X1, 6E1) 1.4 TDI

**REPLACEMENT: WHEEL CYLINDER – VW 411/412  
HATCHBACK (4). TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Copper grease
- Combination spanner #7
- Combination spanner #11
- Torx bit T30
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Flat Screwdriver
- Phillips screwdriver
- Wheel chock

**Buy tools**

Replacement: wheel cylinder – VW 411/412 Hatchback (4). Tip from AUTODOC:

- 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 – VW 411/412 HATCHBACK (4).  
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.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. VW 411/412 Hatchback (4)

**5** Remove the wheel.



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

**7** Unscrew the brake drum fastening. Use a Phillips screwdriver.



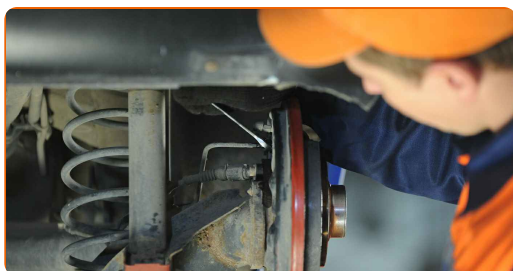
**8** Remove the brake drum.



Replacement: wheel cylinder – VW 411/412 Hatchback (4). Tip from AUTODOC experts:

- Examine the brake drum. Replace it if necessary.

**9** Disconnect the hydraulic line from the wheel cylinder back. Use a combination spanner #11.



Replacement: wheel cylinder – VW 411/412 Hatchback (4). Tip from AUTODOC:

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

**10** Unscrew the brake cylinder fastening bolt. Use Torx T30. Use a ratchet wrench.



**11** Remove the brake cylinder from the backplate. Use a flat screwdriver.



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

**13** Clean the brake pipe attachment spot and the brake drum fastening bolts on VW 411/412 Hatchback (4).

**14** Install a new brake cylinder.



**15** Screw the brake cylinder fastening bolts. Use Torx T30. Use a torque wrench. Tighten it to 8 nm torque.



- 16** Connect the hydraulic line to the wheel cylinder back. Use a combination spanner #11. Use a torque wrench. Tighten it to 14 nm torque.



- 17** Bleed the brake cylinder system. Use a combination spanner #7.



Replacement: wheel cylinder – VW 411/412 Hatchback (4). Professionals recommend:

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

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





**19** Install a brake drum.



**20** Tighten the brake drum fasteners. Use a Phillips screwdriver. Use a torque wrench. Tighten it to 4 Nm torque.



**21** Clean the wheel rim mounting seat. Use a wire brush.

**22** Treat the surface where the wheel rim contacts the brake drum. Use copper grease.



**23** Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. VW 411/412 Hatchback (4)

24

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



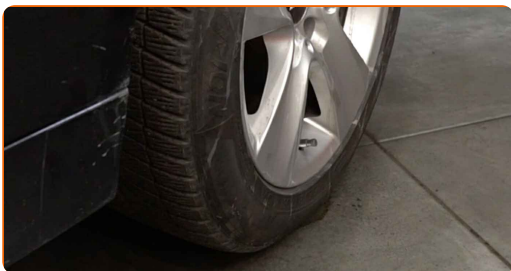
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Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 110 nm torque.



26

Remove the jacks and chocks.



## AUTODOC recommends:

- Bleed the brake system after replacing the cylinder on VW 411/412 Hatchback (4).
- Check the brake fluid level in the expansion tank and refill if necessary.
- Perform test braking when driving at an average speed, the VW 411/412 Hatchback (4) should not pull to one side.

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Adjust the gap between the brake shoes and the drum on VW 411/412 Hatchback (4), pressing the brake pedal 10-15 times.

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