



How to change rear  
wheel bearing on **VW**  
**Polo V Hatchback (6R1,**  
**6C1)** – 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 Polo V Hatchback (6R1, 6C1) 1.2, VW Polo V Hatchback (6R1, 6C1) 1.4 (6R1), VW Polo V Hatchback (6R1, 6C1) 1.6 TDI, VW Polo V Hatchback (6R1, 6C1) 1.2 TSI, VW Polo V Hatchback (6R1, 6C1) 1.2 TDI

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 Polo IV Hatchback (9N) 1.4 16V

REPLACEMENT: WHEEL BEARING – VW POLO V  
HATCHBACK (6R1, 6C1). LIST OF THE TOOLS YOU'LL  
NEED:



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Copper grease
- 12-point socket # 30
- Wheel impact socket #17
- Torque wrench
- Tap wrench
- Hammer
- Rubber mallet
- Phillips screwdriver
- Crow bar
- Wheel chock

[Buy tools](#)

Replacement: wheel bearing – VW Polo V Hatchback (6R1, 6C1). AUTODOC recommends:

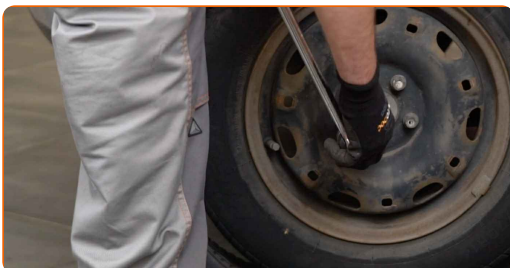
- Do not re-use the bearing assembly of your VW Polo V Hatchback (6R1, 6C1) car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Please note: all work on the car – VW Polo V Hatchback (6R1, 6C1) – should be done with the engine switched off.

## CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

**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 bearing – VW Polo V Hatchback (6R1, 6C1). Tip:

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

5

Remove the wheel.



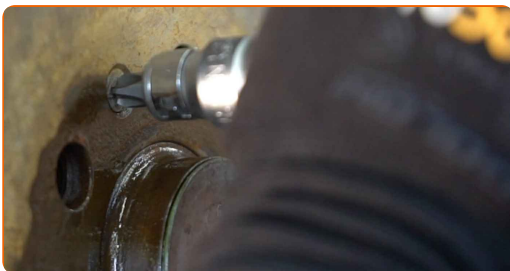
6

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



7

Unscrew the brake drum fastening. Use a Phillips screwdriver.



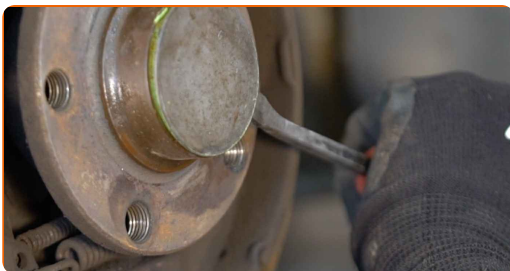
8 Remove the brake drum.



Replacement: wheel bearing – VW Polo V Hatchback (6R1, 6C1). AUTODOC experts recommend:

- Examine the brake drum. Replace it if necessary.

9 Remove the hub bearing protection cap. Use a hammer. Use a crowbar.



Replacement: wheel bearing – VW Polo V Hatchback (6R1, 6C1). Tip from AUTODOC:

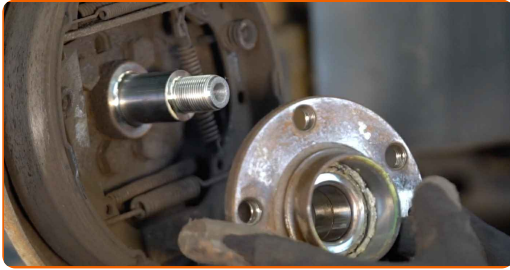
- Some cars are not equipped with wheel hub caps.

10 Unscrew the wheel hub axle nut. Use drive 12-point socket #30. Use a tap wrench.





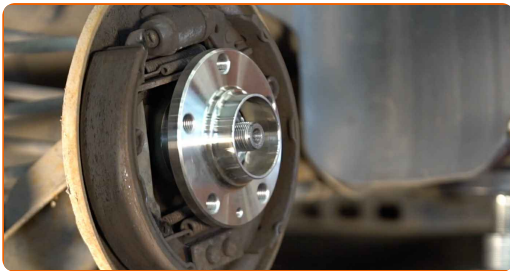
**11** Remove the hub and the bearing together, since they are a sealed unit.



**12** Clean the hub bearing mounting seat. Use all-purpose cleaning spray.



**13** Install the new wheel hub with a bearing.



**14** Tighten the hub. Use drive 12-point socket #30. Use a torque wrench. Tighten it to 175 nm torque.



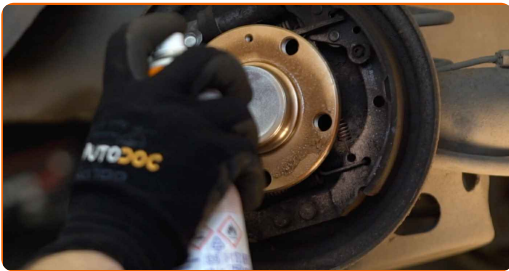
Replacement: wheel bearing – VW Polo V Hatchback (6R1, 6C1). Professionals recommend:

- The wheel bearing unit must not tilt on the axle pin.

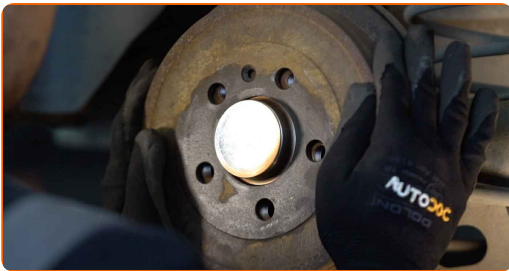
15 Install the hub bearing protection cap. Use a rubber mallet.



16 Treat the hub where it contacts the brake disk. Use copper grease.



17 Install the brake drum and fasten it.



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

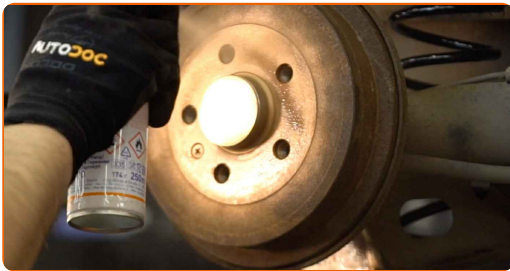




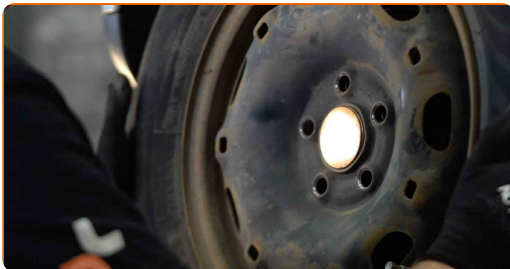
19 Clean the wheel rim mounting seat. Use a wire brush.



20 Treat the contacting surface. Use copper grease.



21 Install the wheel.



**AUTODOC recommends:**

- Important! Hold the wheel while screwing in the fastening bolts. VW Polo V Hatchback (6R1, 6C1)

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



- 23 Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 nm torque.



- 24 Remove the jacks and chocks.



**WELL DONE!** 👍

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**WHEEL BEARING: A WIDE SELECTION**

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