



How to change rear  
wheel bearing on **VW**  
**Polo III Variant (6V5)** –  
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 III Variant (6V5) 1.8, VW Polo III Variant (6V5) 1.4, VW Polo III Variant (6V5) 1.6, VW Polo III Variant (6V5) 1.9 TDI, VW Polo III Variant (6V5) 1.7 SDI, VW Polo III Variant (6V5) 1.9 SDI, VW Polo III Variant (6V5) 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: VW Polo III Hatchback (6N1) 1.0

REPLACEMENT: WHEEL BEARING – VW POLO III  
VARIANT (6V5). TOOLS YOU MIGHT NEED:



- Wire brush
- All-purpose cleaning spray
- Multipurpose grease
- Copper grease
- Torque wrench
- Combination spanner #10
- Drive socket # 24
- Wheel impact socket #17
- Bush and bearing driver set
- 3-Arm Gear Puller
- Ratchet wrench
- Hammer
- Crow bar
- Wheel chock

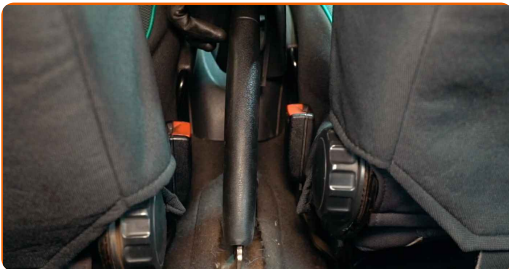
**Buy tools**

**AUTODOC recommends:**

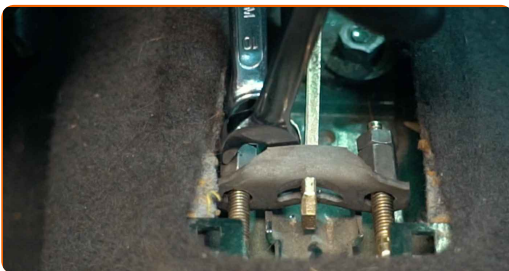
- Do not re-use the bearing assembly of your VW Polo III Variant (6V5) car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Please note: all work on the car – VW Polo III Variant (6V5) – should be done with the engine switched off.

**CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:**

**1** Engage the parking brake lever.



**2** Loosen the parking brake cable. Use a combination spanner #10.



**3** Secure the wheels with chocks.

4

Loosen the wheel mounting bolts. Use wheel impact socket #17.



5

Raise the rear of the car and secure on supports.

6

Unscrew the wheel bolts.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. VW Polo III Variant (6V5)

7

Remove the wheel.



8

Clean the brake drum. Use a wire brush. Use all-purpose cleaning spray.



9

Remove the wheel hub nut cap. Use a crowbar. Use a hammer.



10

Remove the cotter pin securing the hub nut. Use a crowbar. Use a hammer.



11

Unscrew the hub nut. Use a drive socket #24. Use a ratchet wrench.



**12** Remove the brake drum assembled with the wheel hub bearing.



**Replacement: wheel bearing – VW Polo III Variant (6V5). Tip:**

- Examine the brake drum. Replace it if necessary.

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



**14** Remove the hub bearing mounting. Use a crowbar.



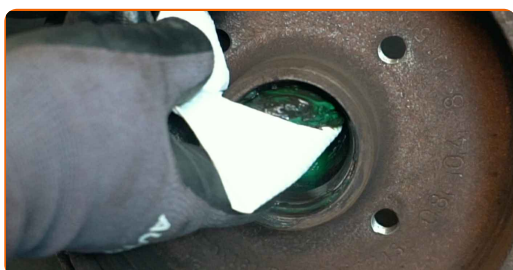
**15** Remove the inner oil seal of the wheel bearing. Use a crowbar.



**16** Remove the hub bearing mounting. Use a crowbar.



**17** Clean the hub bearing mounting seat.



**18** Remove the inner race of the wheel bearing from the brake drum. Use 3-Arm Gear Puller. Use a bush and bearing driver set.



**19** Remove the inner race of the wheel bearing from the brake drum. Use a bush and bearing driver set.





- 20 Install the new inner race of the wheel bearing into the brake drum. Use a bush and bearing driver set. Use a hammer.



- 21 Install the new inner race of the wheel bearing into the brake drum. Use a bush and bearing driver set. Use a hammer.



- 22 Treat the inner race and the wheel bearing. Use a multipurpose grease.



- 23 Install a new hub bearing and secure it.



24

Press in the inner oil seal of the wheel bearing. Use a bush and bearing driver set. Use a hammer.



25

Install a new hub bearing and secure it.



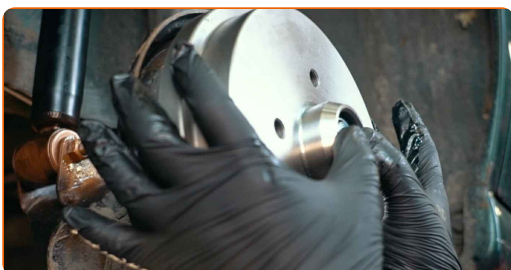
26

Treat the wheel hub in the area where it contacts the brake drum. Use a multipurpose grease.



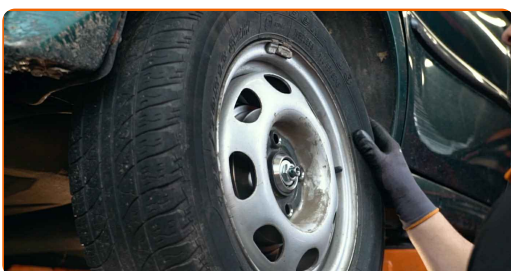
27

Install the brake drum assembled with the wheel hub bearing.



28

Install the wheel.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. VW Polo III Variant (6V5)

**29**

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



**30**

Screw on the hub nut. Use a drive socket #24. Use a ratchet wrench.



**Replacement: wheel bearing – VW Polo III Variant (6V5). Professionals recommend:**

- Align the brake drum.

**31**

Unscrew the wheel bolts. Use wheel impact socket #17.



**AUTODOC recommends:**

- Important! Hold the wheel while unscrewing the fastening bolts. VW Polo III Variant (6V5)

**32**

Remove the wheel.



**33**

Install a new hub nut cotter pin. Use a crowbar. Use a hammer.



**34**

Install the cap of the hub nut. Use a hammer.



**35**

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



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



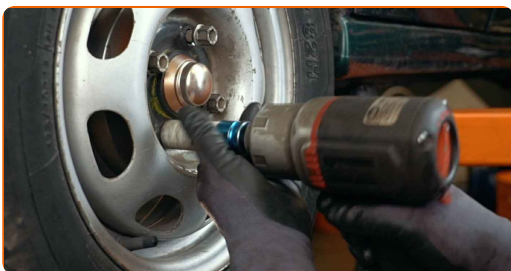
**37** Install the wheel.



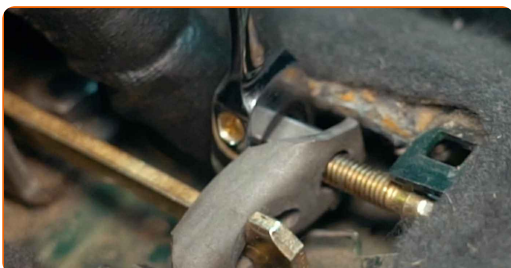
**AUTODOC recommends:**

- Important! Hold the wheel while screwing in the fastening bolts. VW Polo III Variant (6V5)

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



**39** Adjust the parking brake cable tension. Use a combination spanner #10.



40

Release the parking brake lever.



41

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.



42

Remove the jacks and chocks.



**WELL DONE!** 

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