



How to change front
wheel bearing on **VW
Golf VII Hatchback (5G1,
BQ1, BE1, BE2)** –
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 Golf VII Hatchback (5G1, BQ1, BE1, BE2) e-Golf

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 Golf VI Hatchback (5K1) 2.0 GTi

REPLACEMENT: WHEEL BEARING – VW GOLF VII
HATCHBACK (5G1, BQ1, BE1, BE2). TOOLS YOU'LL
NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Drive socket # 15
- Drive socket # 21
- 12-point socket # 24
- XZN socket bit # 12
- Torx bit T30
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Crow bar
- Rubber mallet
- Hydraulic transmission jack
- Wheel chock

Buy tools

Replacement: wheel bearing – VW Golf VII Hatchback (5G1, BQ1, BE1, BE2).
AUTODOC experts recommend:

- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Please note: all work on the car – VW Golf VII Hatchback (5G1, BQ1, BE1, BE2) – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

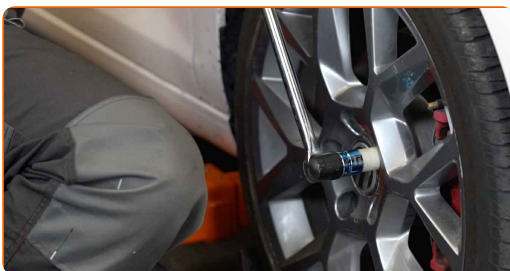
1

Secure the wheels with chocks.



2

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



3

Raise the front of the car and secure on supports.



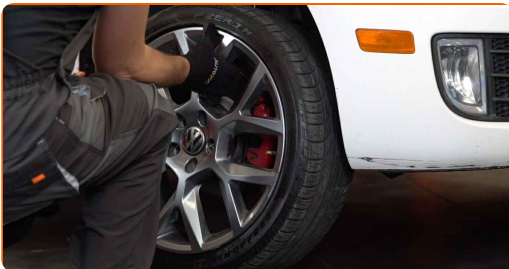
4 Unscrew the wheel bolts.



Replacement: wheel bearing – VW Golf VII Hatchback (5G1, BQ1, BE1, BE2).
AUTODOC recommends:

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

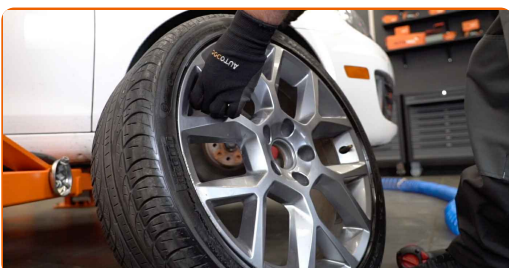
5 Remove the wheel.



6 Remove the hub bearing protection cap.



7 Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. VW Golf VII Hatchback (5G1, BQ1, BE1, BE2)

8

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



9

Loosen the wheel hub bolt. Use drive 12-point socket #24. Use a tap wrench.



10

Unscrew the wheel bolts.

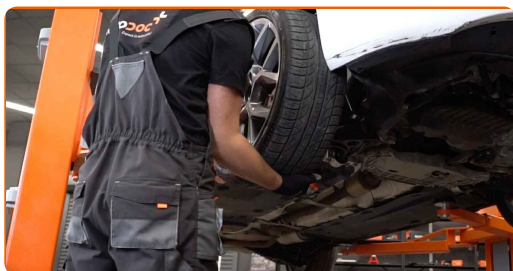


Replacement: wheel bearing – VW Golf VII Hatchback (5G1, BQ1, BE1, BE2).

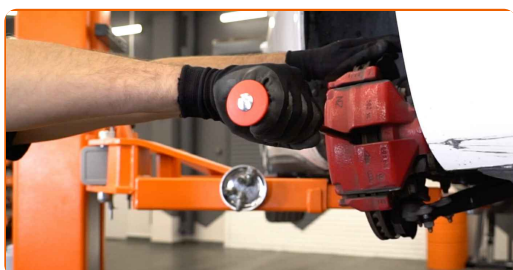
Tip:

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

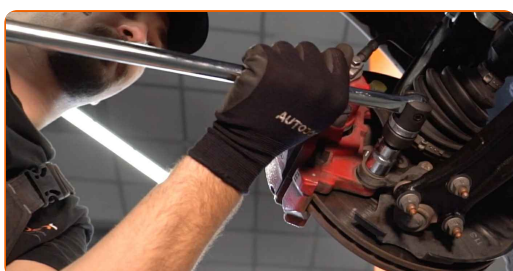
11 Remove the wheel.



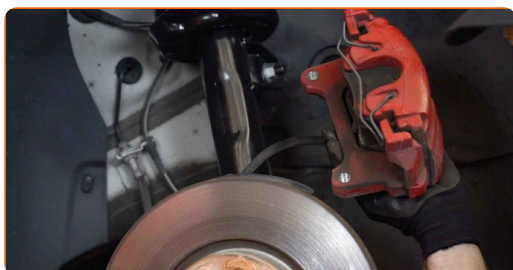
12 Spread the brake pads. Use a crowbar.



13 Unscrew the caliper bracket fastening. Use a drive socket #21. Use a ratchet wrench. Use a tap wrench.



14 Remove the brake caliper together with its bracket.



Replacement: wheel bearing – VW Golf VII Hatchback (5G1, BQ1, BE1, BE2).
Professionals recommend:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.

15

Unscrew the brake disc fastening. Use Torx T30. Use a ratchet wrench.



16

Remove the brake disc.



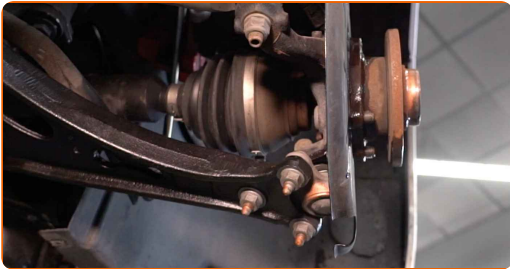
17 Unscrew the wheel hub axle nut. Use drive 12-point socket #24.



18 Clean the hub. Use a wire brush. Use WD-40 spray.



19 Remove the drive shaft from the wheel hub.



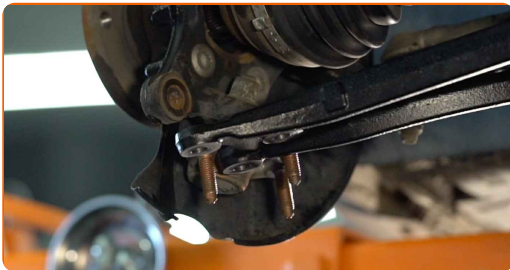
Replacement: wheel bearing – VW Golf VII Hatchback (5G1, BQ1, BE1, BE2).
Tip from AUTODOC experts:

- Make sure that the drive shaft is not unloaded (when the car is jacked).

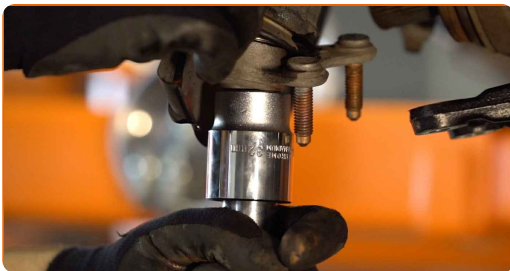
- 20 Unscrew the fastener connecting the ball joint to the suspension control arm. Use a drive socket #15. Use a ratchet wrench.



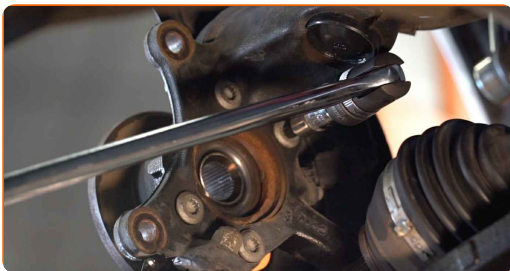
- 21 Disconnect the lower arm from the steering knuckle. Use a crowbar.



- 22 Prop up the steering knuckle. Use a hydraulic transmission jack.



- 23 Unscrew the wheel hub axle nut. Use XZN #12. Use a ratchet wrench. Use a tap wrench.



- 24 Remove the hub and the bearing together, since they are a sealed unit. Use a crowbar.

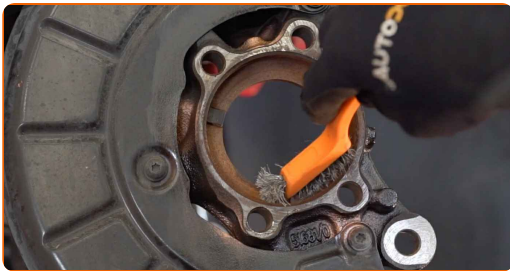


Replacement: wheel bearing – VW Golf VII Hatchback (5G1, BQ1, BE1, BE2).
Tip from AUTODOC:

- If necessary, use a rubber mallet.

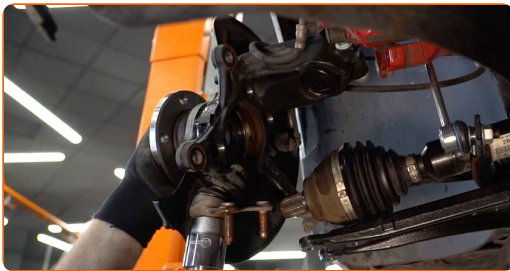
25

Clean the hub bearing mounting seat. Use a wire brush. Use WD-40 spray.



26

Install the new wheel hub with a bearing.



27

Tighten the hub. Use XZN #12. Use a torque wrench. Tighten it to 70 Nm torque.+90°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

28 Clean the splines of the drive shaft CV joint. Use WD-40 spray.



29 Mount the drive shaft into the wheel hub.



30 Attach the ball joint to the control arm.



31 Tighten the ball joint fastening nut. Use a drive socket #15. Use a torque wrench. Tighten it to 60 Nm torque.



32 Apply some copper grease to the hub where it contacts the brake disk.



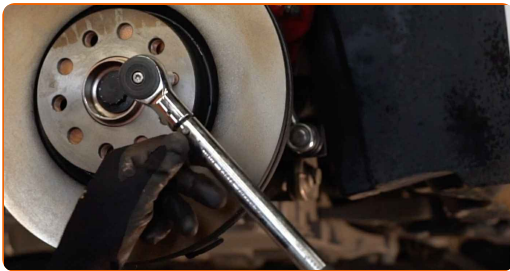
33 Install and tighten the drive shaft bolt. Use drive 12-point socket #24.



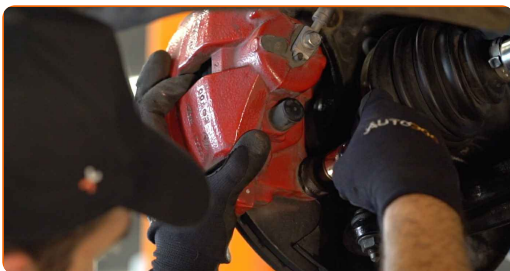
34 Install the brake disc.



35 Tighten the brake disc fastening. Use Torx T30. Use a torque wrench. Tighten it to 4 Nm torque.



36 Install the brake caliper together with its bracket.



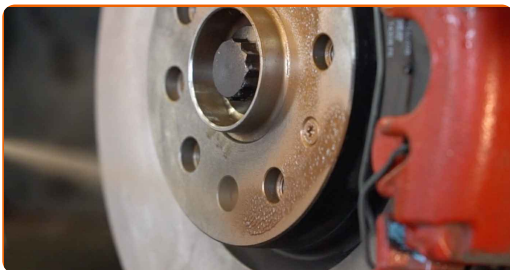
37 Tighten the brake caliper bracket. Use a drive socket #21. Use a torque wrench. Tighten it to 190 Nm torque.



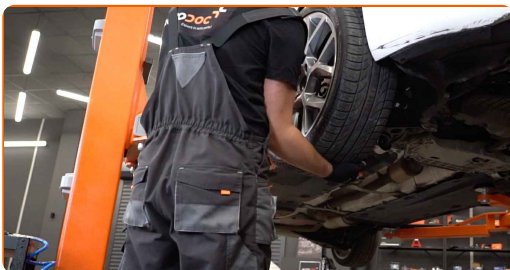
AUTODOC recommends:

- Important! Be sure to use new fasteners.

38 Clean the wheel rim mounting seat. Use a wire brush. Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



39 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. VW Golf VII Hatchback (5G1, BQ1, BE1, BE2)

40

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

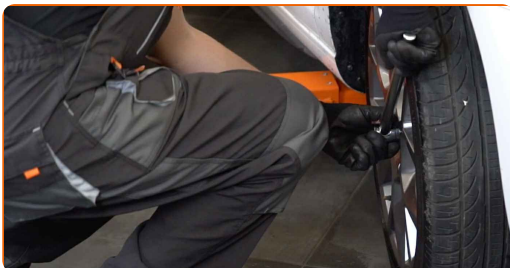


41

Lower the car.

42

Tighten the bolt connecting the drive shaft to the wheel hub. Use drive 12-point socket #24. Use a torque wrench. Tighten it to 70 Nm torque. +90°

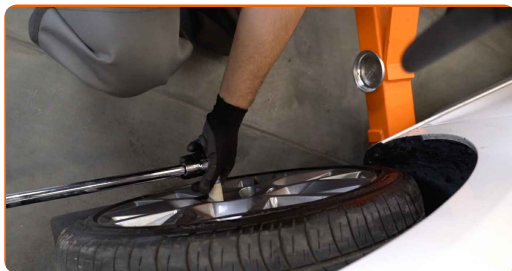


AUTODOC recommends:

- Important! Be sure to use new fasteners.

43

Tighten the wheel bolts using a criss-cross pattern. Use a torque wrench. Tighten it to 120 Nm torque.



44

Remove the jacks and chocks.

WELL DONE! 👍

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