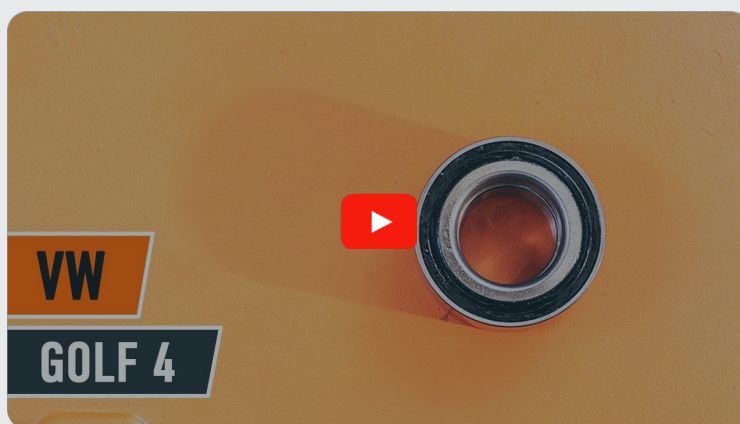




How to change front
wheel bearing on **VW**
Golf 4 – replacement
guide

VIDEO TUTORIAL



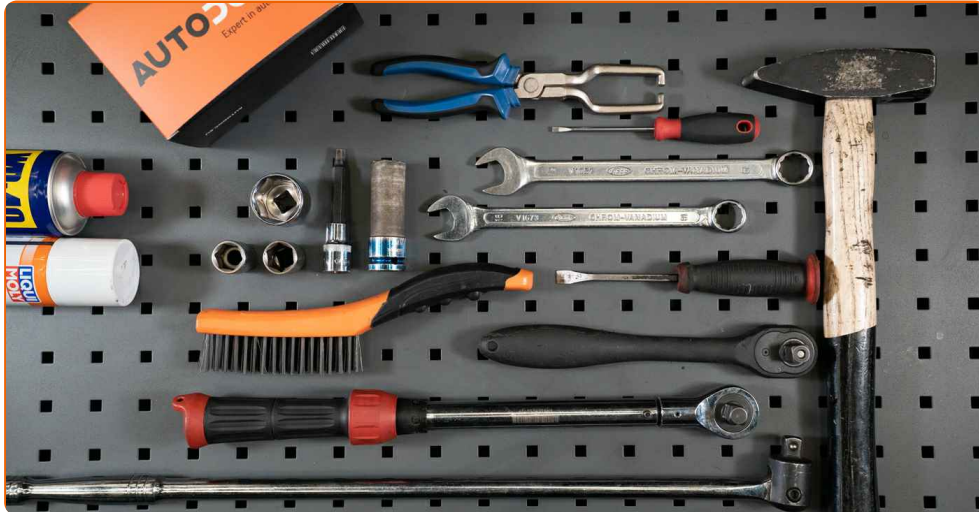
ⓘ Important!

This replacement procedure can be used for:

VW Golf IV Hatchback (1J1) 1.9 TDI, VW Golf IV Hatchback (1J1) 1.9 SDI, VW Golf IV Hatchback (1J1) 1.4 16V, VW Golf IV Hatchback (1J1) 1.8, VW Golf IV Hatchback (1J1) 1.8 T, VW Golf IV Hatchback (1J1) 2.3 V5, VW New Beetle Hatchback (9C1, 1C1) 2.0, VW New Beetle Hatchback (9C1, 1C1) 1.9 TDI, VW Golf IV Hatchback (1J1) 1.9 TDI 4motion, VW Golf IV Hatchback (1J1) 1.8 4motion, VW Bora Saloon (1J2) 1.6, VW Bora Saloon (1J2) 2.0, VW Bora Saloon (1J2) 2.3 V5, VW Bora Saloon (1J2) 1.9 TDI, VW Bora Saloon (1J2) 1.8, (+ 56)

The steps may slightly vary depending on the car design.

REPLACEMENT: WHEEL BEARING – VW GOLF 4. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #18
- Combination spanner #19
- Drive socket # 18
- Drive socket # 19
- Drive socket # 30
- HEX bit No.H7.
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Hammer
- Flat screwdriver
- Crow bar
- Circlip pliers
- Bush and bearing driver set
- Wheel chock

BUY TOOLS

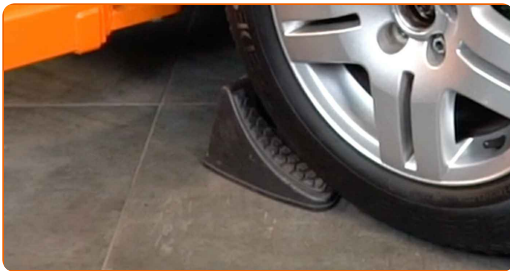
Replacement: wheel bearing – VW Golf 4. AUTODOC experts recommend:

- Do not re-use the bearing assembly of your VW Golf 4 car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- All work should be done with the engine stopped.

REPLACEMENT: WHEEL BEARING – VW GOLF 4. TAKE THE FOLLOWING STEPS:

1

Secure the wheels with chocks.



2

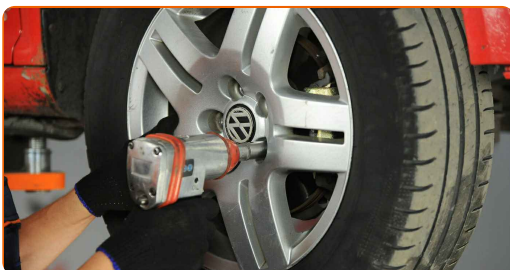
Loosen the wheel mounting bolts. Use wheel impact socket #17.

3

Raise the front of the car and secure on supports.

4

Unscrew the wheel bolts.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. VW Golf 4

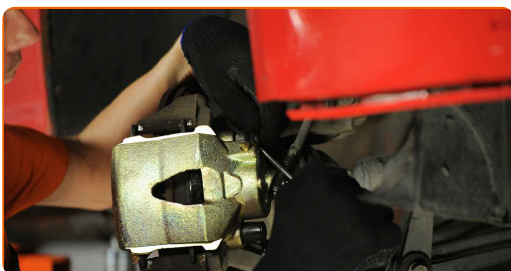
5

Remove the wheel.



6

Remove the dust boot caps of the brake caliper guide pins. Use a flat screwdriver.



7.1

Unscrew the brake caliper fastening.



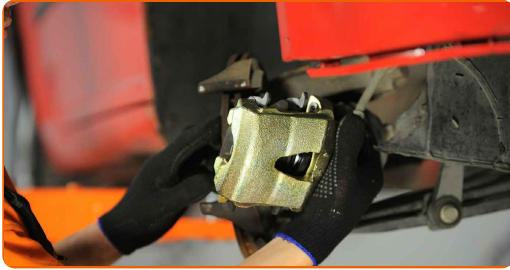
7.2

Use HEX No.H7. Use a ratchet wrench.



8

Remove the brake caliper.

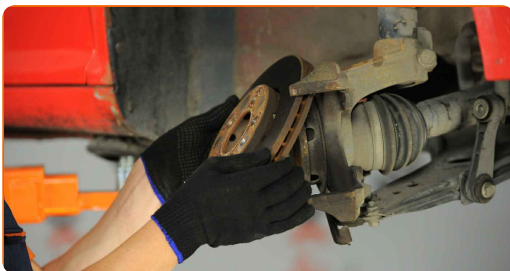


Replacement: wheel bearing – VW Golf 4. AUTODOC recommends:

- 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.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

9

Remove the brake disc.

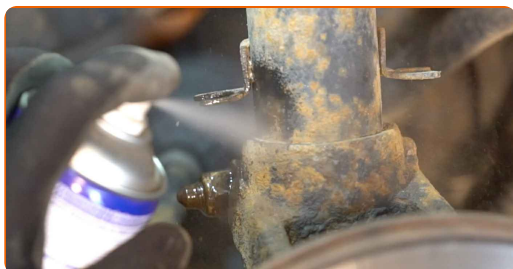


- 10** Unscrew the wheel hub axle nut. Use a drive socket #30.

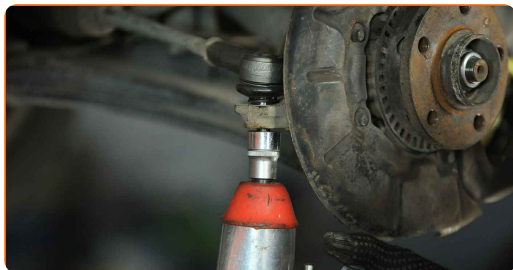


- 11** Remove the drive shaft.

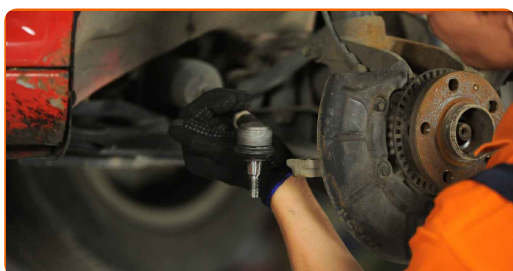
- 12** Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.



- 13** Unscrew the end fastening nut to the steering knuckle. Use a drive socket #19. Use a ratchet wrench.



- 14** Disconnect the tie rod end from the steering knuckle.

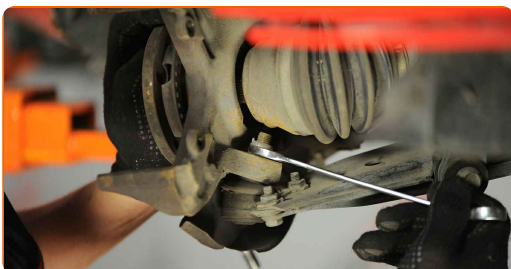


- 15** Remove the ABS sensor from the steering knuckle. Use a flat screwdriver.



- 16** Clean the fastener connecting the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.

- 17** Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #19.

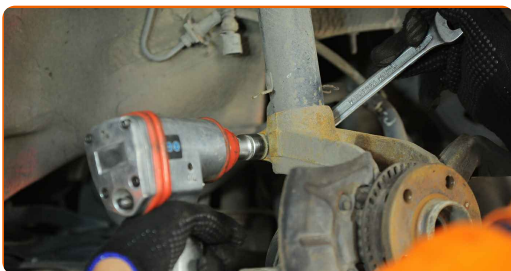


- 18** Disconnect the lower arm from the steering knuckle. Use a hammer. Use a crowbar.



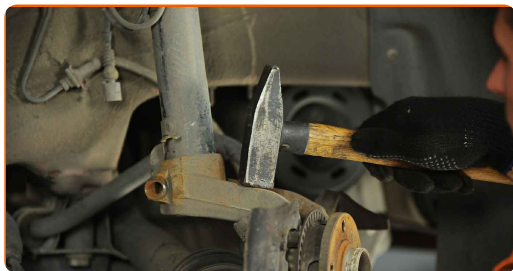
- 19** Clean the fasteners connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.

- 20** Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



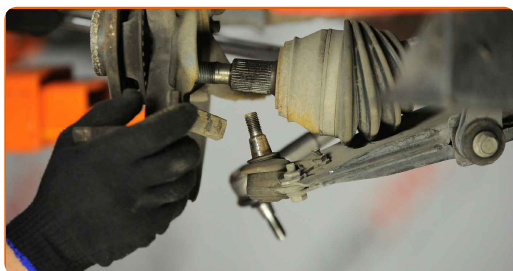
21

Disconnect the steering knuckle from the shock absorber strut. Use a hammer.



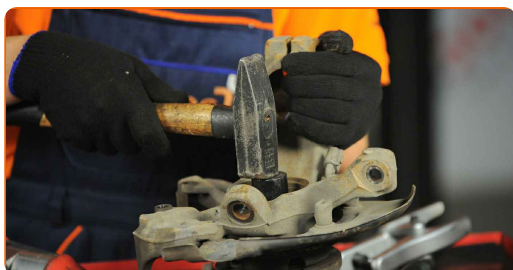
22

Remove the steering knuckle together with the hub.



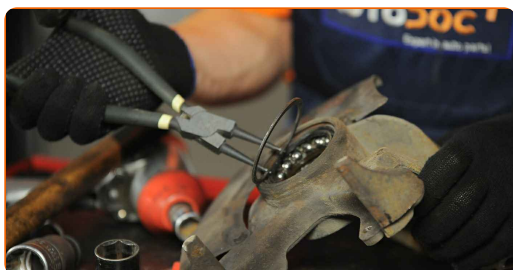
23

Press the wheel hub out from the tapered roller bearing. Use a bush and bearing driver set. Use a hammer.



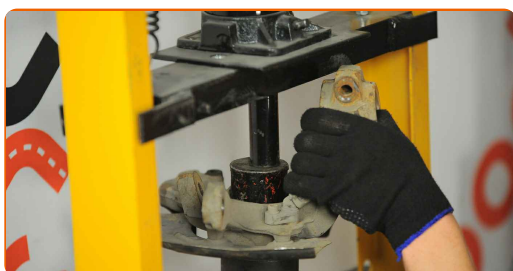
24

Remove the retaining ring. Use circlip pliers.

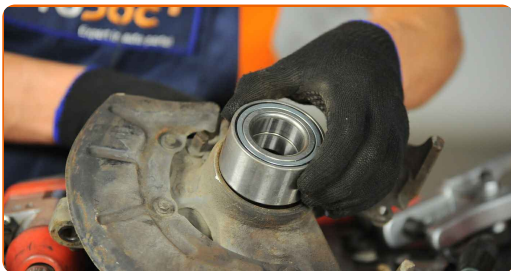


25

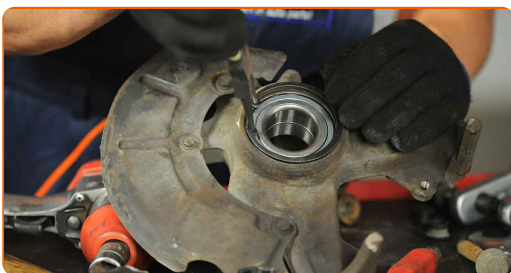
Press out the wheel hub bearing.



26 Press the new bearing in the steering knuckle.

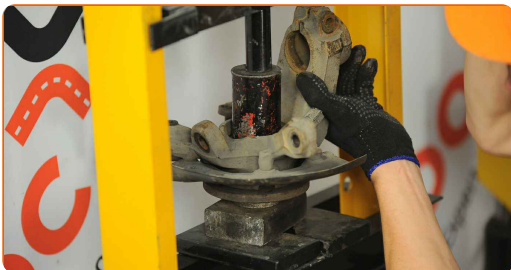


27 Install the retaining ring. Use circlip pliers.

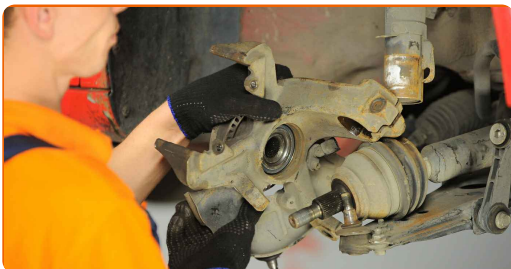


28 Press the wheel hub into the bearing inner race. Use a bush and bearing driver set.

29 Install the wheel hub on the steering knuckle.

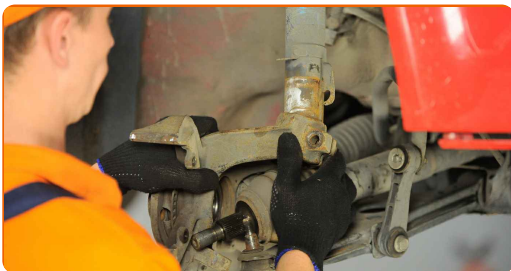


30 Install the steering knuckle with a hub in assembly.



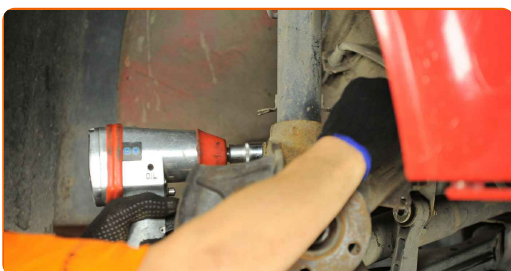
31

Fix the shock absorber strut on the steering knuckle. Use a hammer.



32

Tighten the lower fastening of the shock absorber. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 60 Nm torque. +90°

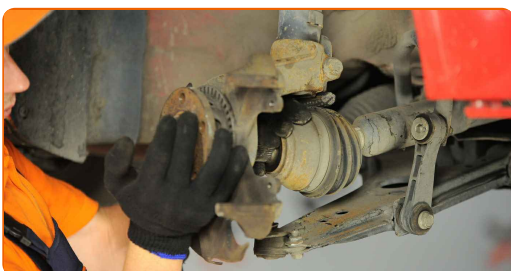


AUTODOC recommends:

- Important! Be sure to use new fasteners.

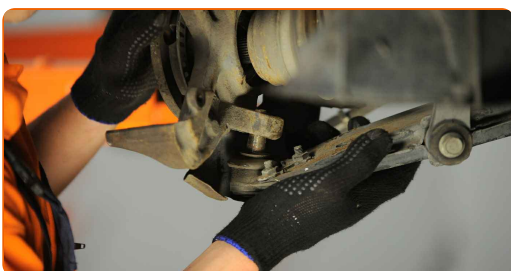
33

Install the drive shaft into the wheel hub.



34

Connect the lower arm to the steering knuckle. Use a crowbar.



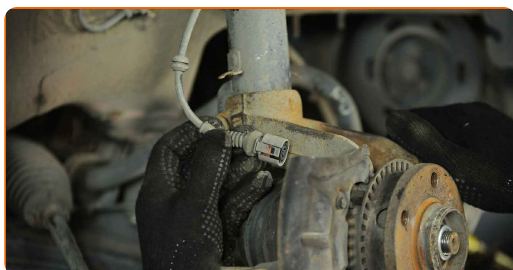
- 35** Tighten the ball joint fastener. Use a combination spanner #19. Use a torque wrench. Tighten it to 45 nm torque.



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

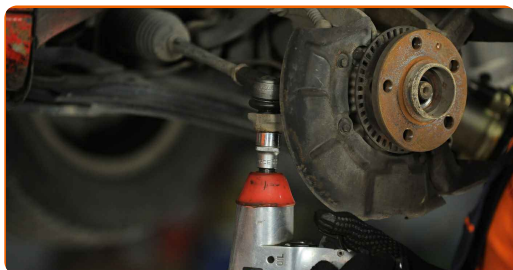


- 37** Install the ABS sensor on the steering knuckle and secure it.



- 38** Connect the tie rod end to the steering knuckle.

- 39** Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #19. Use a torque wrench. Tighten it to 45 nm torque.



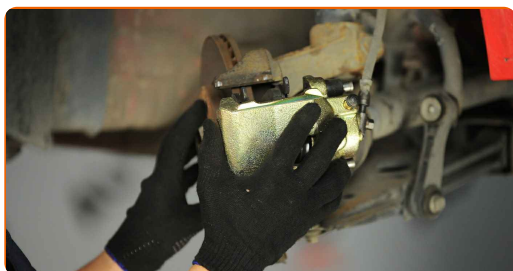
40

Install the brake disc.



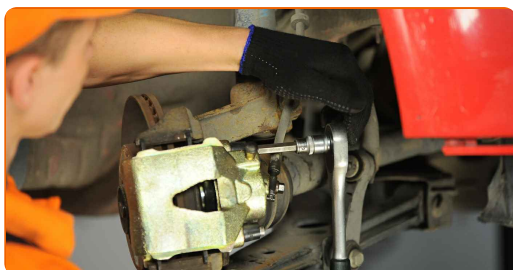
41.1

Install the brake caliper and fix it.



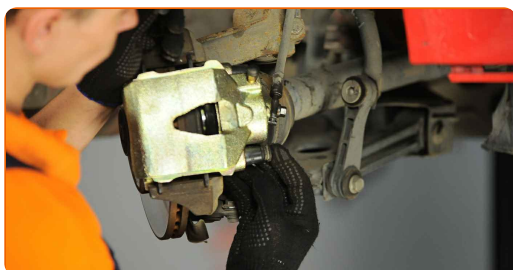
41.2

Use HEX No.H7. Use a torque wrench. Tighten it to 30 Nm torque.



42

Install the dust boot caps of the brake caliper guide pins.



43

Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



44

Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: wheel bearing – VW Golf 4. After applying the spray, wait a few minutes.

45

Install the wheel.



Replacement: wheel bearing – VW Golf 4. Tip from AUTODOC:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

46

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



47

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

48

Remove the jacks and chocks.



WELL DONE! 

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