



How to change front
wheel bearing on **VW**
Transporter T4 –
replacement guide

VIDEO TUTORIAL



ⓘ Important!

This replacement procedure can be used for:

VW Transporter IV Minibus (70B, 70C, 7DB, 7DK, 70J, 70K, 7DC, 7DJ) 2.4 D Syncro, VW Transporter IV Minibus (70B, 70C, 7DB, 7DK, 70J, 70K, 7DC, 7DJ) 2.5 Syncro, VW Transporter IV Minibus (70B, 70C, 7DB, 7DK, 70J, 70K, 7DC, 7DJ) 2.5, VW Transporter IV Minibus (70B, 70C, 7DB, 7DK, 70J, 70K, 7DC, 7DJ) 1.8, VW Transporter IV Minibus (70B, 70C, 7DB, 7DK, 70J, 70K, 7DC, 7DJ) 1.9 D, VW Transporter IV Minibus (70B, 70C, 7DB, 7DK, 70J, 70K, 7DC, 7DJ) 1.9 TD, VW Transporter IV Minibus (70B, 70C, 7DB, 7DK, 70J, 70K, 7DC, 7DJ) 2.4 D, VW Transporter IV Minibus (70B, 70C, 7DB, 7DK, 70J, 70K, 7DC, 7DJ) 2.0, VW Transporter IV Minibus (70B, 70C, 7DB, 7DK, 70J, 70K, 7DC, 7DJ) 2.5 TDI, VW Transporter IV Minibus (70B, 70C, 7DB, 7DK, 70J, 70K, 7DC, 7DJ) 2.5 TDI Syncro, VW Transporter IV Van (70A, 70H, 7DA, 7DH) 2.0, VW Transporter IV Van (70A, 70H, 7DA, 7DH) 2.5, VW Transporter IV Van (70A, 70H, 7DA, 7DH) 1.9 D, VW Transporter IV Van (70A, 70H, 7DA, 7DH) 1.9 TD, VW Transporter IV Van (70A, 70H, 7DA, 7DH) 2.4 D, (+ 19)

The steps may slightly vary depending on the car design.

**REPLACEMENT: WHEEL BEARING – VW TRANSPORTER
T4. TOOLS YOU MIGHT NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #24
- Combination spanner #27
- Drive socket # 19
- Drive socket # 21
- Drive socket # 27
- HEX bit No.H6.
- XZN socket bit # 14
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Hammer
- Flat Screwdriver
- Circlip pliers
- Bush and bearing driver set
- Crow bar
- Ball joint puller
- Wheel chock

BUY TOOLS

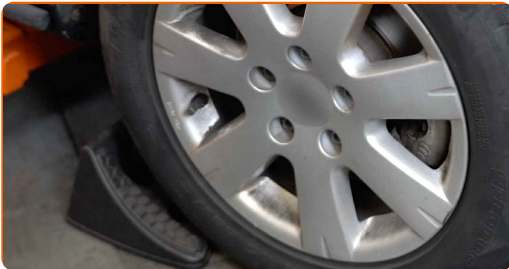
Replacement: wheel bearing – VW Transporter T4. Tip from AUTODOC experts:

- Do not re-use the bearing assembly of your VW Transporter T4 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 TRANSPORTER T4. USE THE FOLLOWING PROCEDURE:

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.



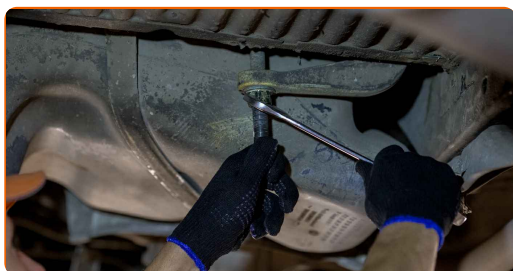
Replacement: wheel bearing – VW Transporter T4. AUTODOC recommends:

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

5 Remove the wheel.



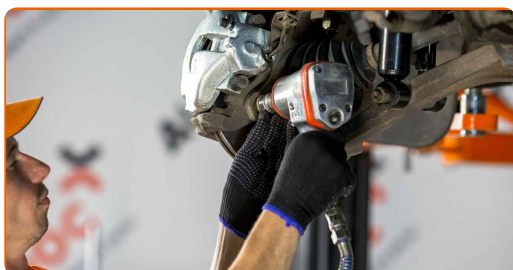
6 Loosen the tension of the torsion bars. Use a combination spanner #24.



7 Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.

8 Spread the brake pads. Use a flat screwdriver.

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



10

Remove the brake caliper together with its bracket.



Replacement: wheel bearing – VW Transporter T4. Tip:

- 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.

11

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



12

Unscrew the brake disc fastening. Use HEX No.H6. Use a ratchet wrench.



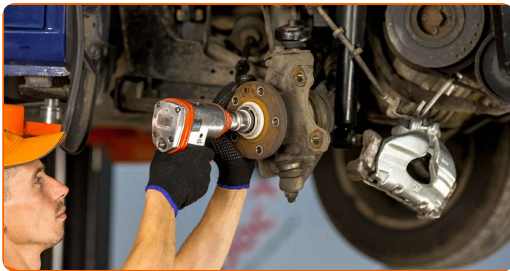
13

Remove the brake disc.



14

Unscrew the wheel hub axle nut. Use a drive socket #27.



15

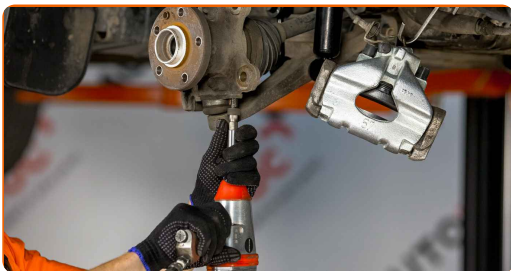
Clean the fastener connecting the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.

16

Unscrew the top fastening of the ball joint. Use a combination spanner #24.

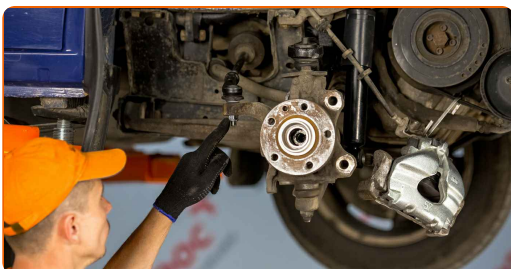


17 Unscrew the lower ball joint fastening from the steering knuckle. Use XZN #14. Use a ratchet wrench.



18 Disconnect the ball joint from the steering knuckle.

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



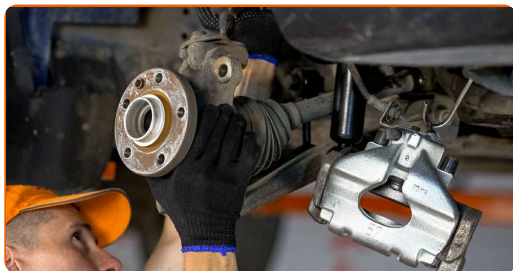
20 Unscrew the end fastening nut to the steering knuckle. Use a drive socket #19. Use a ratchet wrench. Use a tap wrench.



21 Disconnect the tie rod end from the steering knuckle. Use a ball joint puller. Use a hammer.



22 Remove the steering knuckle together with the hub. Use a crowbar.



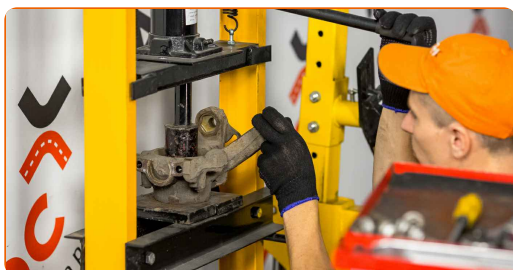
23 Press the wheel hub out from the tapered roller bearing. Use a bush and bearing driver set. Use a hammer.



24 Remove the retaining ring. Use circlip pliers.



25 Press out the wheel hub bearing. Use a bush and bearing driver set.

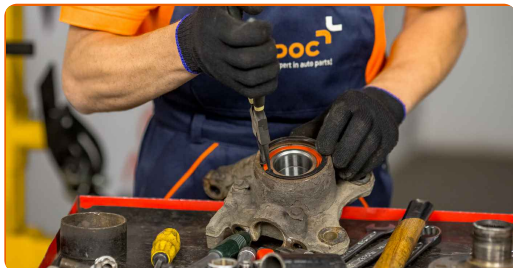


Replacement: wheel bearing – VW Transporter T4. Tip from AUTODOC:

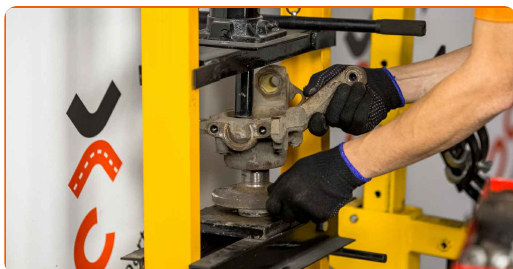
- Apply special grease to the bearing assembly mounting seat.

26 Press the new bearing in the steering knuckle. Use a bush and bearing driver set.

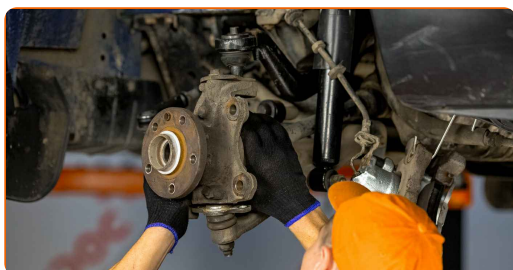
27 Install the retaining ring in the steering knuckle. Use circlip pliers.



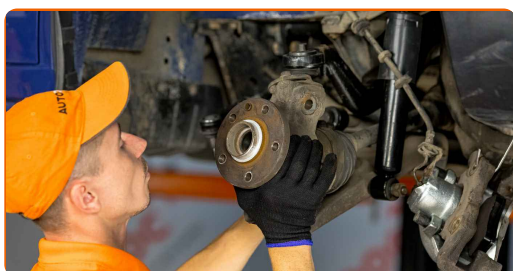
28 Press the wheel hub into the bearing inner race. Use a bush and bearing driver set.



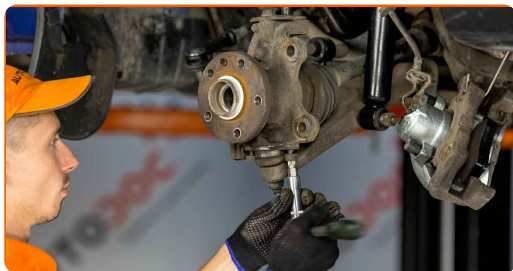
29 Install the steering knuckle with a hub in assembly.



30 Connect the ball joint to the steering knuckle. Use a flat screwdriver.



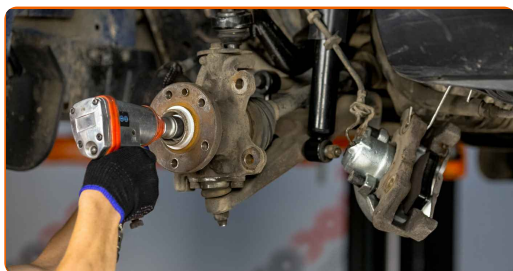
31 Tighten the lower fastening of the ball joint. Use XZN #14. Use a torque wrench. Tighten it to 55 Nm torque.+90°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

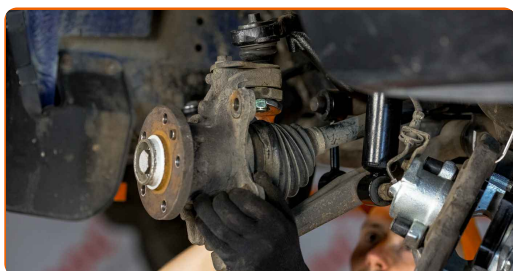
32 Tighten the hub. Use a drive socket #27. Use a torque wrench. Tighten it to 150 Nm torque.+90°



Replacement: wheel bearing – VW Transporter T4. Tip from AUTODOC experts:

- Important! Be sure to use new fasteners.

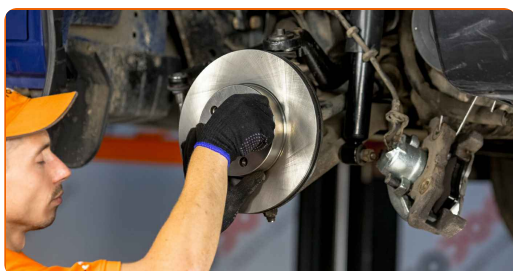
- 33** Tighten the top fastening of the ball joint. Use a combination spanner #24. Use a crowbar. Use a torque wrench. Tighten it to 110 nm torque.



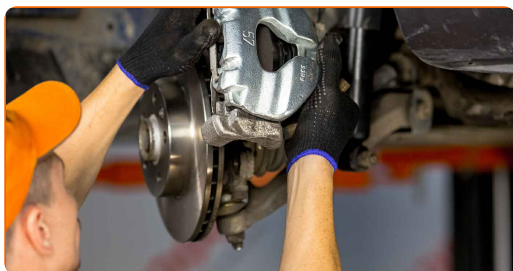
- 34** Install the brake disc.



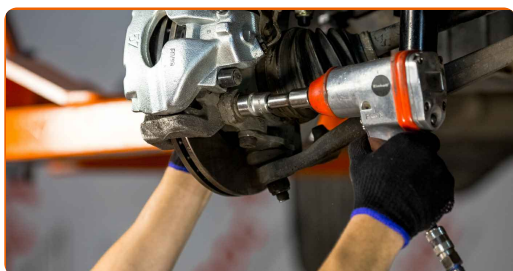
- 35** Tighten the brake disc fastening. Use HEX No.H6. Use a torque wrench. Tighten it to 5 nm torque.



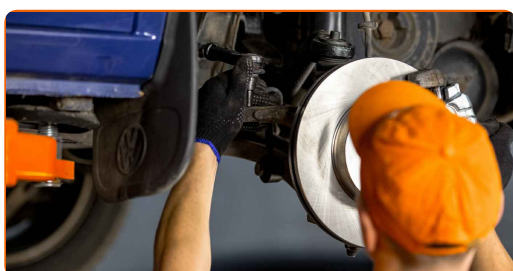
- 36** Install the brake caliper together with its bracket.



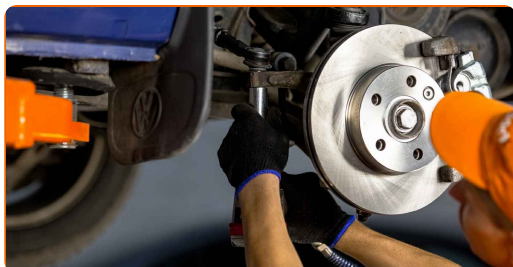
- 37 Tighten the brake caliper bracket. Use a drive socket #21. Use a tap wrench. Use a torque wrench. Tighten it to 180 nm torque.



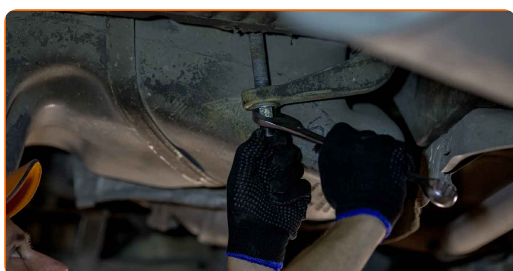
- 38 Connect the tie rod end to the steering knuckle.



- 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 40 nm torque.



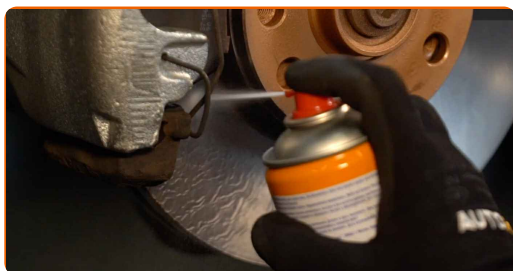
- 40 Tighten the tension of the torsion bars.



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

42

Clean the brake disk surface. Use a brake cleaner.

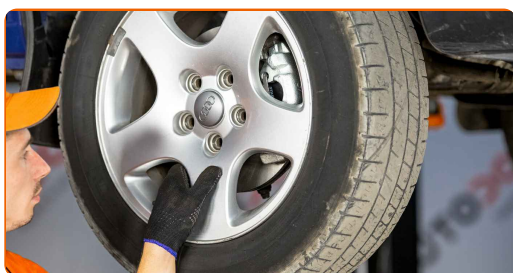


Replacement: wheel bearing – VW Transporter T4. AUTODOC recommends:

- After applying the spray, wait a few minutes.

43

Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. VW Transporter T4

44

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



45

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 160 Nm torque.

**46**

Remove the jacks and chocks.

WELL DONE! 

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