



How to change front
wheel bearing on **VW**
Transporter IV Platform
/ Chassis (70E, 70L, 70M,
7DE, 7DL) – 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 Transporter IV Platform / Chassis (70E, 70L, 70M, 7DE, 7DL) 1.9 D, VW Transporter IV Platform / Chassis (70E, 70L, 70M, 7DE, 7DL) 1.9 TD, VW Transporter IV Platform / Chassis (70E, 70L, 70M, 7DE, 7DL) 2.4 D, VW Transporter IV Platform / Chassis (70E, 70L, 70M, 7DE, 7DL) 2.5, VW Transporter IV Platform / Chassis (70E, 70L, 70M, 7DE, 7DL) 2.5 Syncro, VW Transporter IV Platform / Chassis (70E, 70L, 70M, 7DE, 7DL) 2.0, VW Transporter IV Platform / Chassis (70E, 70L, 70M, 7DE, 7DL) 2.4 D Syncro, VW Transporter IV Platform / Chassis (70E, 70L, 70M, 7DE, 7DL) 2.5 TDI, VW Transporter IV Platform / Chassis (70E, 70L, 70M, 7DE, 7DL) 2.5 TDI Syncro, VW Transporter IV Platform / Chassis (70E, 70L, 70M, 7DE, 7DL) 2.8, VW Transporter IV Platform / Chassis (70E, 70L, 70M, 7DE, 7DL) 1.8, VW Transporter IV Platform / Chassis (70E, 70L, 70M, 7DE, 7DL) 2.8 VR6

The steps may slightly vary depending on the car design.

Please note that this tutorial was created based on the replacement procedure for this car part on a car with a similar design.

This tutorial was created based on the replacement procedure for a similar car part on: VW Transporter IV Van (70A, 70H, 7DA, 7DH) 2.5 TDI

**REPLACEMENT: WHEEL BEARING – VW TRANSPORTER
IV PLATFORM / CHASSIS (70E, 70L, 70M, 7DE, 7DL).
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

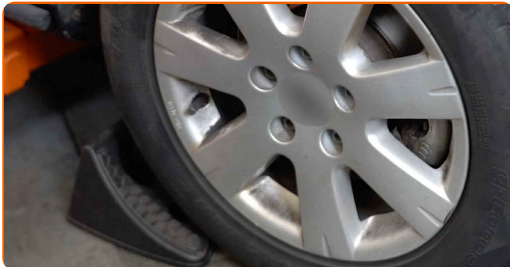
Replacement: wheel bearing – VW Transporter IV Platform / Chassis (70E, 70L, 70M, 7DE, 7DL). Tip from AUTODOC experts:

- Do not re-use the bearing assembly of your VW Transporter IV Platform / Chassis (70E, 70L, 70M, 7DE, 7DL) 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 IV PLATFORM / CHASSIS (70E, 70L, 70M, 7DE, 7DL). 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.



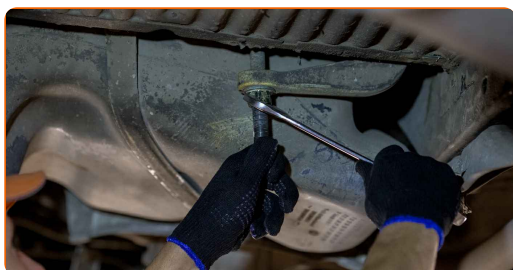
Replacement: wheel bearing – VW Transporter IV Platform / Chassis (70E, 70L, 70M, 7DE, 7DL). AUTODOC recommends:

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

5 Remove the wheel.



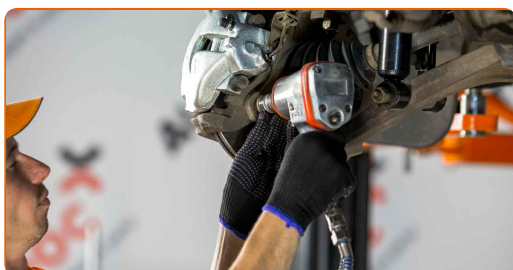
6 Loosen the tension of the torsion bars. Use a combination spanner #24.



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 IV Platform / Chassis (70E, 70L, 70M, 7DE, 7DL). 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.



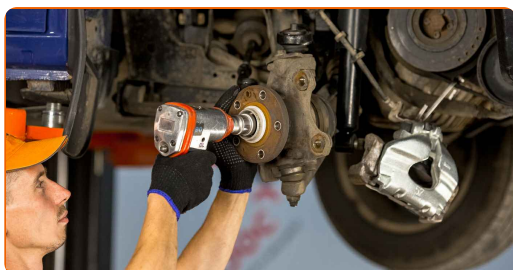
13

Remove the brake disc.



14

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

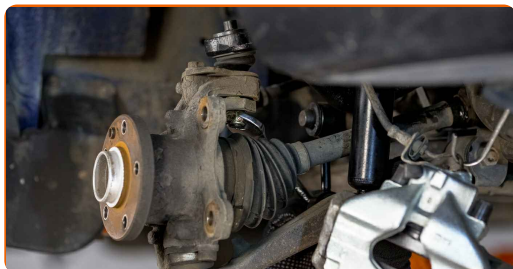


15

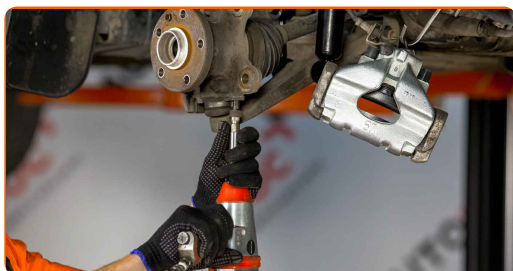
Clean the fastener connecting the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.

16

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

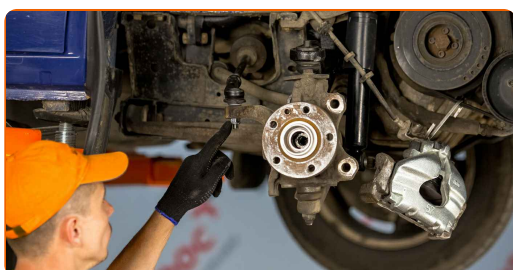


17 Unscrew the lower ball joint fastening from the steering knuckle. Use XZN #14. Use a ratchet wrench.

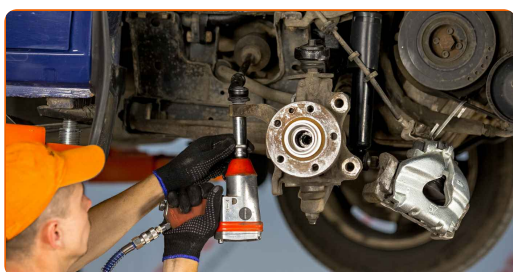


18 Disconnect the ball joint from the steering knuckle.

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



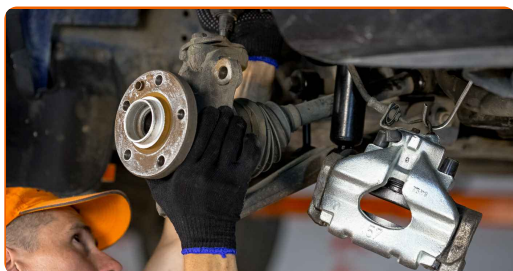
20 Unscrew the end fastening nut to the steering knuckle. Use a drive socket #19. Use a ratchet wrench. Use a tap wrench.



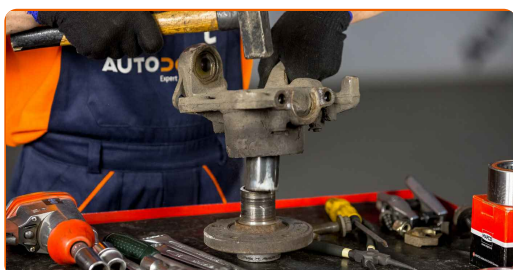
21 Disconnect the tie rod end from the steering knuckle. Use a ball joint puller. Use a hammer.



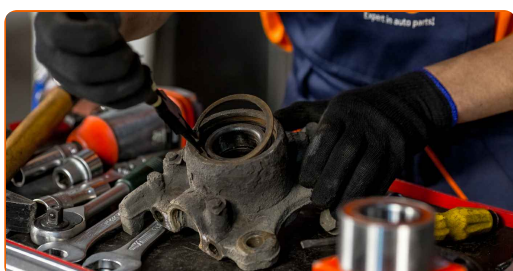
22 Remove the steering knuckle together with the hub. Use a crowbar.



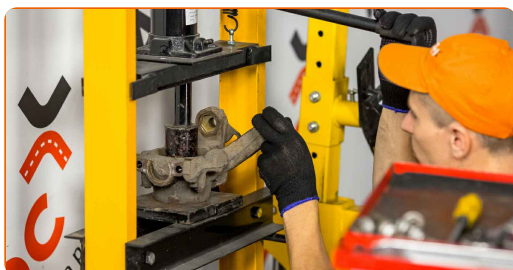
23 Press the wheel hub out from the tapered roller bearing. Use a bush and bearing driver set. Use a hammer.



24 Remove the retaining ring. Use circlip pliers.



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

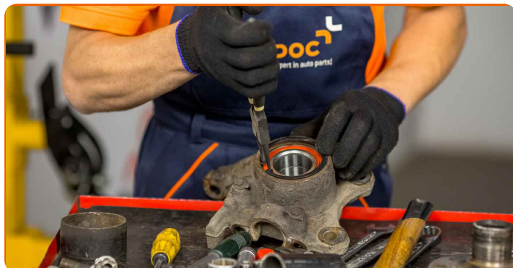


AUTODOC recommends:

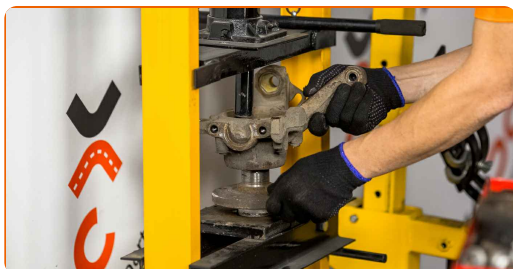
- Apply special grease to the bearing assembly mounting seat.

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

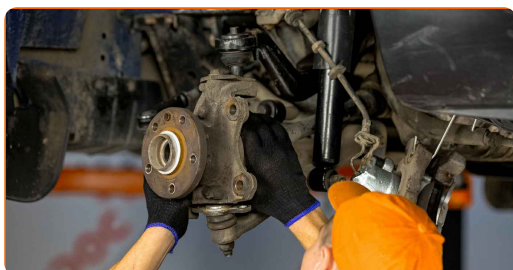
27 Install the retaining ring in the steering knuckle. Use circlip pliers.



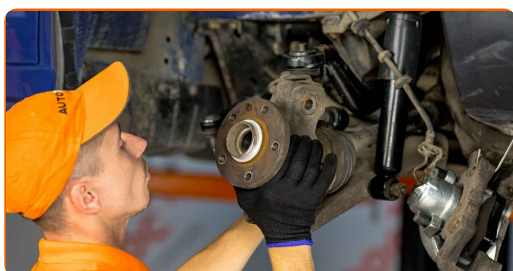
28 Press the wheel hub into the bearing inner race. Use a bush and bearing driver set.



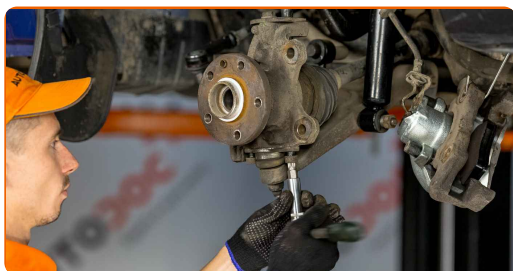
29 Install the steering knuckle with a hub in assembly.



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



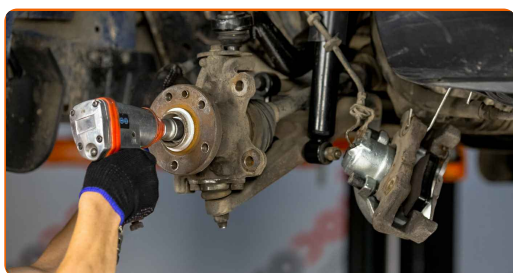
31 Tighten the lower fastening of the ball joint. Use XZN #14. Use a torque wrench. Tighten it to 55 Nm torque.+90°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

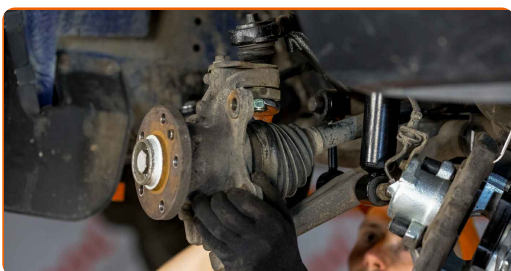
32 Tighten the hub. Use a drive socket #27. Use a torque wrench. Tighten it to 150 Nm torque.+90°



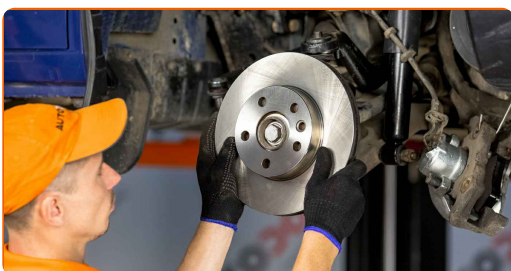
Replacement: wheel bearing – VW Transporter IV Platform / Chassis (70E, 70L, 70M, 7DE, 7DL). Tip from AUTODOC experts:

- Important! Be sure to use new fasteners.

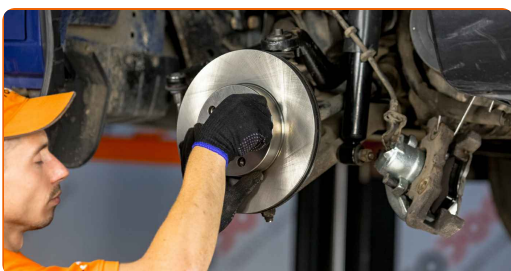
- 33** Tighten the top fastening of the ball joint. Use a combination spanner #24. Use a crowbar. Use a torque wrench. Tighten it to 110 nm torque.



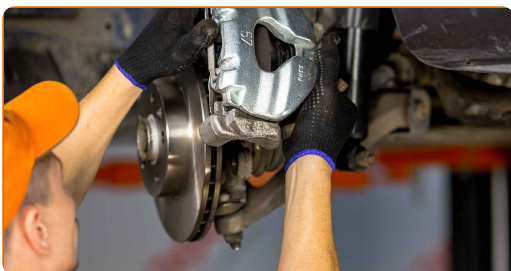
- 34** Install the brake disc.



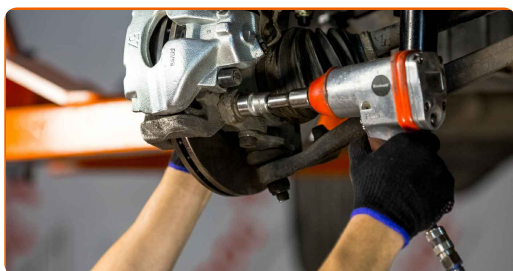
- 35** Tighten the brake disc fastening. Use HEX No.H6. Use a torque wrench. Tighten it to 5 nm torque.



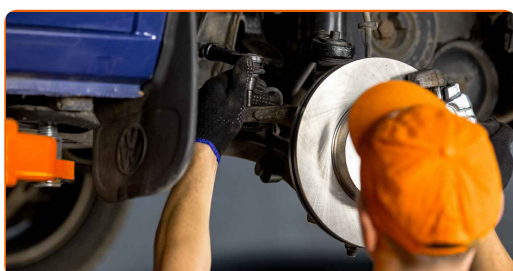
- 36** Install the brake caliper together with its bracket.



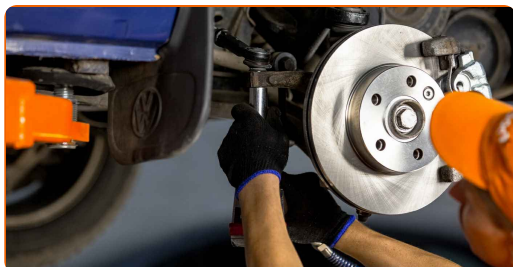
- 37** Tighten the brake caliper bracket. Use a drive socket #21. Use a tap wrench. Use a torque wrench. Tighten it to 180 nm torque.



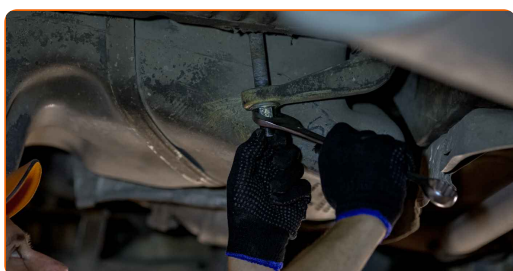
- 38** Connect the tie rod end to the steering knuckle.



- 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.



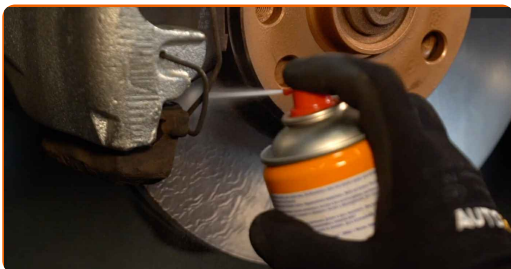
- 40** Tighten the tension of the torsion bars.



- 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.

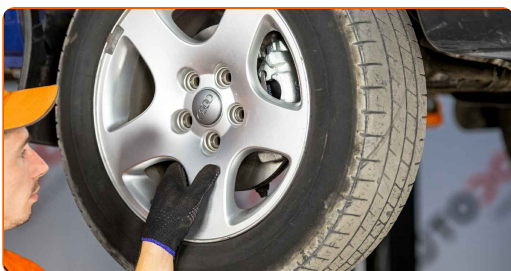


Replacement: wheel bearing – VW Transporter IV Platform / Chassis (70E, 70L, 70M, 7DE, 7DL). AUTODOC recommends:

- 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 IV Platform / Chassis (70E, 70L, 70M, 7DE, 7DL)

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! 

VIEW MORE TUTORIALS

AUTODOC – TOP QUALITY AND AFFORDABLE CAR PARTS ONLINE

AUTODOC MOBILE APP: GREAT DEALS AND CONVENIENT SHOPPING



+ AUTODOC

GET IT ON
Google Play

 Download on the
App Store

Download

A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR

WHEEL BEARING: A WIDE SELECTION

DISCLAIMER:

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.

© Copyright 2022 – All the contents of this website, in particular texts, photographs and graphics, are protected by copyright. All rights, including reproduction, publication, editing and translation rights, are reserved by AUTODOC GmbH.