



How to change track rod  
end on **VW POLO VIVO**  
**Hatchback** –  
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 VIVO Hatchback 1.4

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 (9N\_) 1.4 16V

**REPLACEMENT: TRACK ROD END – VW POLO VIVO HATCHBACK. TOOLS YOU NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- HEX bit no.H6.
- Drive socket # 19
- Combination spanner #19
- Combination spanner #22
- Combination spanner #24
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Vernier caliper
- Ball joint puller
- Wheel chock

**Buy tools**

Replacement: track rod end – VW POLO VIVO Hatchback. AUTODOC recommends:

- Replace tie rod ends in pairs.
- The replacement procedure is identical for the right and left tie rod ends.
- All work should be done with the engine stopped.

**REPLACEMENT: TRACK ROD END – VW POLO VIVO HATCHBACK. USE THE FOLLOWING PROCEDURE:**

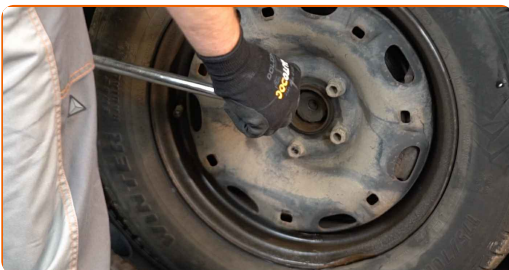
1

Secure the wheels with chocks.



2

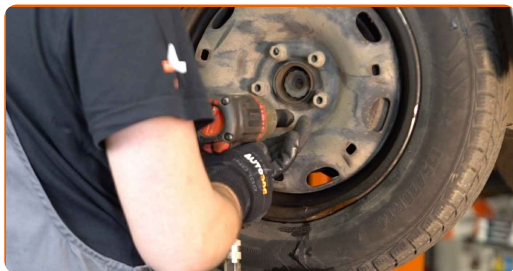
Loosen the wheel mounting bolts. Use wheel impact socket #17.



3

Raise the front of the car and secure on supports.

**4** Unscrew the wheel bolts.



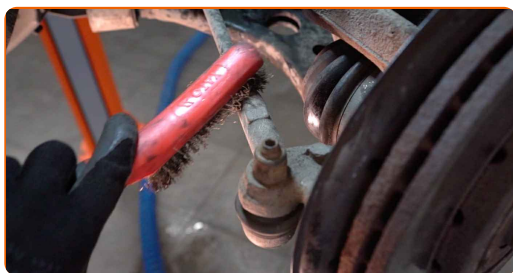
Replacement: track rod end – VW POLO VIVO Hatchback. Tip:

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

**5** Remove the wheel.



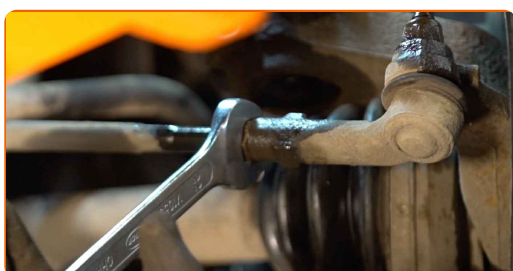
**6** Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.



- 7 When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



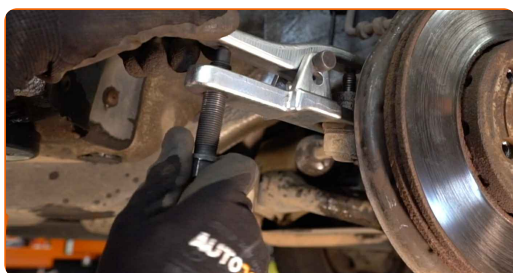
- 8 Loosen the lock nut securing the tie rod end to the tie rod. Use a combination spanner #22.



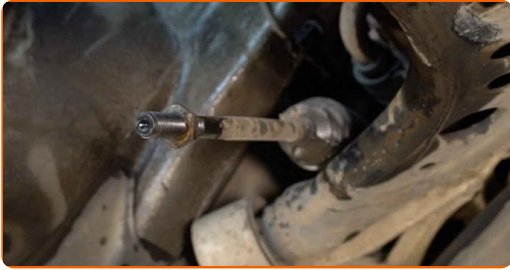
- 9 Unscrew the end fastening nut to the steering knuckle. Use a drive socket #19. Use a tap wrench.



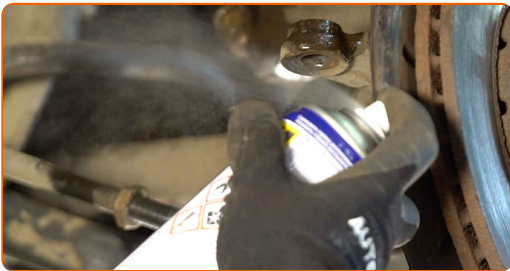
- 10 Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.



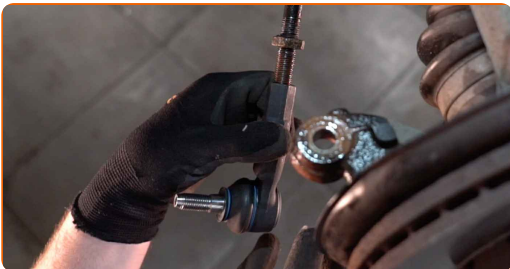
**11** Screw the end out of the tie rod.



**12** Clean the mounting seats of the tie rod end. Use a wire brush. Use WD-40 spray.



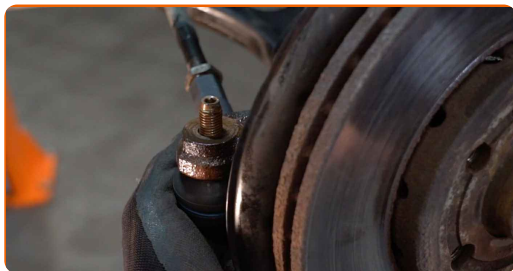
**13** Screw on a new tie rod end.



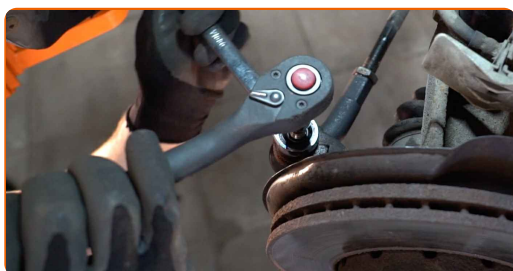
Replacement: track rod end – VW POLO VIVO Hatchback. AUTODOC experts recommend:

- While installing the steering rod end remember to make the same number of turns or to leave the same length of thread showing as per your measurements.

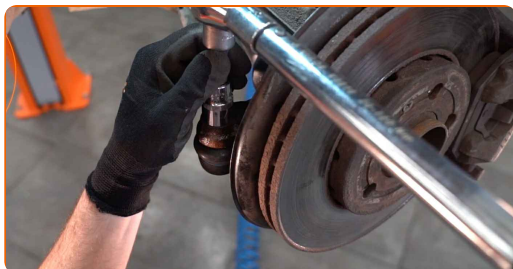
**14** Connect the tie rod end to the steering knuckle.



**15** Screw on the fastening nut that connects the tie rod end to the steering knuckle. Use a combination spanner #19. Use HEX No.H6. Use a ratchet wrench.



**16** 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 20 Nm torque.+90°



**AUTODOC recommends:**

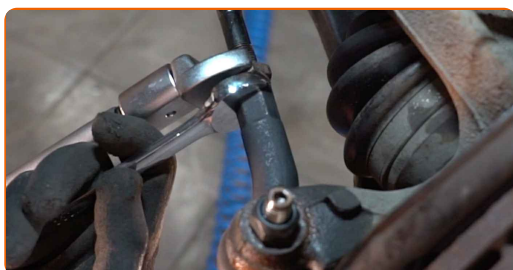
- Important! Be sure to use new fasteners.



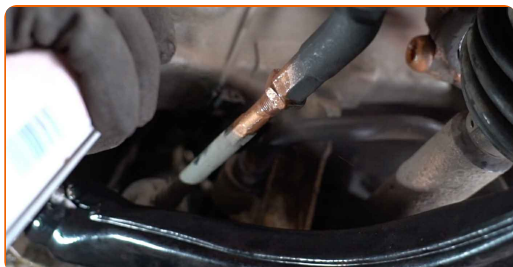
- 17 When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



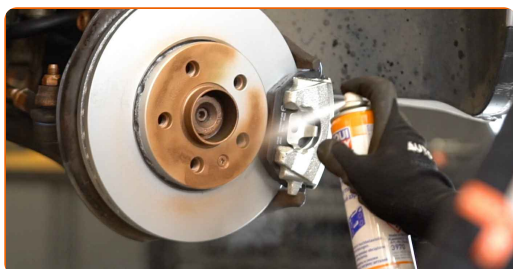
- 18 Tighten the tie rod end locknut. Use a combination spanner #22. Use a combination spanner #24. Use a torque wrench. Tighten it to 50 nm torque.



- 19 Treat the fastener connecting the tie rod end to the steering knuckle. Use copper grease.



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



21

Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: track rod end – VW POLO VIVO Hatchback. After applying the spray, wait a few minutes.

22

Install the wheel.



**Replacement: track rod end – VW POLO VIVO Hatchback. Tip from AUTODOC experts:**

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

23

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

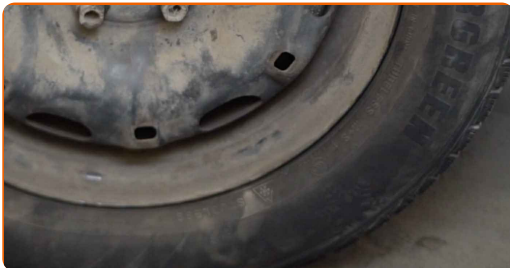
- 24** Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 nm torque.



Replacement: track rod end – VW POLO VIVO Hatchback. Tip from AUTODOC:

- Check and adjust wheel alignment if necessary.

- 25** Remove the jacks and chocks.



**WELL DONE!** 

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**TRACK ROD END: A WIDE SELECTION**

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