



How to change track rod
end on **VW Passat B5**
Saloon (3B2) –
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 Passat B5 Saloon (3B2) 1.6, VW Passat B5 Saloon (3B2) 1.8, VW Passat B5 Saloon (3B2) 1.8 T, VW Passat B5 Saloon (3B2) 2.3 VR5, VW Passat B5 Saloon (3B2) 2.8 V6 Syncro/4motion, VW Passat B5 Saloon (3B2) 1.9 TDI, VW Passat B5 Saloon (3B2) 2.8 V6, VW Passat B5 Saloon (3B2) 1.8 Syncro/4motion, VW Passat B5 Saloon (3B2) 1.9 TDI Syncro/4motion, VW Passat B5 Saloon (3B2) 2.3 VR5 Syncro/4motion, VW Passat B5 Saloon (3B2) 2.5 TDI, VW Passat B5 Saloon (3B2) 2.5 TDI Syncro/4motion, VW Passat B5 Saloon (3B2) 1.9 TDI 4motion, VW Passat B5 Saloon (3B2) 2.0, VW Passat B5 Saloon (3B2) 2.0 4motion

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 Passat B5 GP Estate (3BG, 3B6) 1.9 TDI

REPLACEMENT: TRACK ROD END – VW PASSAT B5 SALOON (3B2). TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #18
- Combination spanner #22
- Drive socket # 13
- Drive socket # 15
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Hammer
- Flat chisel
- Vernier caliper
- Wheel chock

Buy tools

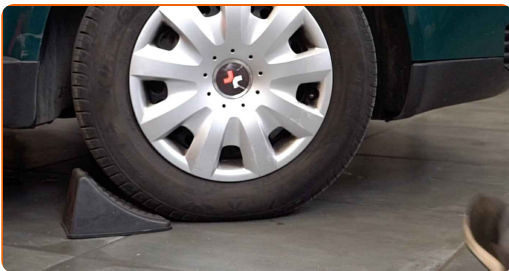
Replacement: track rod end – VW Passat B5 Saloon (3B2). AUTODOC experts recommend:

- Replace tie rod ends in pairs.
- The replacement procedure is identical for the right and left tie rod ends.
- During the installation process, use only new bolts and nuts.
- Please note: all work on the car – VW Passat B5 Saloon (3B2) – 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.

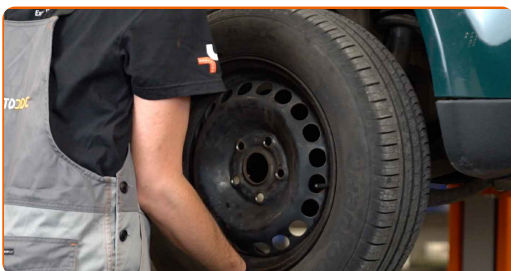
4 Unscrew the wheel bolts.



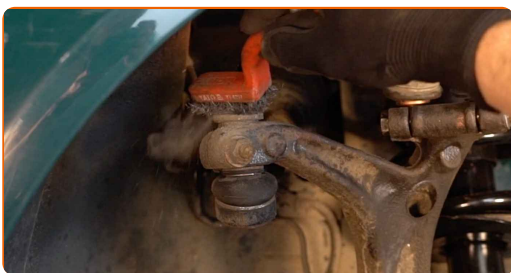
Replacement: track rod end – VW Passat B5 Saloon (3B2). Tip:

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

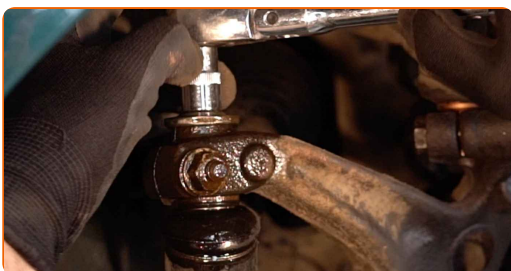
5 Remove the wheel.



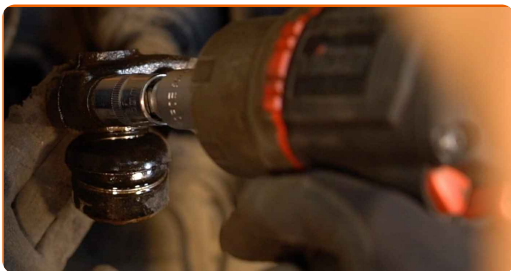
6 Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.



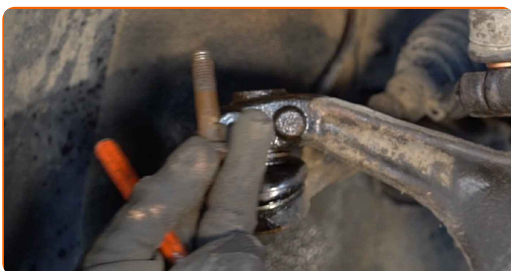
7 Unscrew the end fastening nut to the steering knuckle. Use a drive socket #13. Use a ratchet wrench.



8 Unscrew the end fastening nut to the steering knuckle. Use a drive socket #15. Use a ratchet wrench.



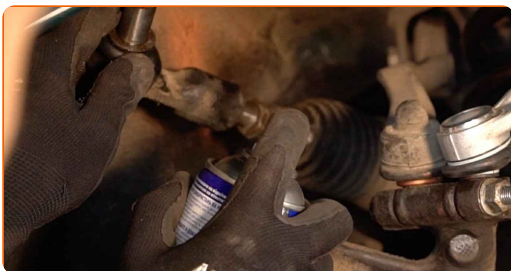
9 Remove the fastening bolt.



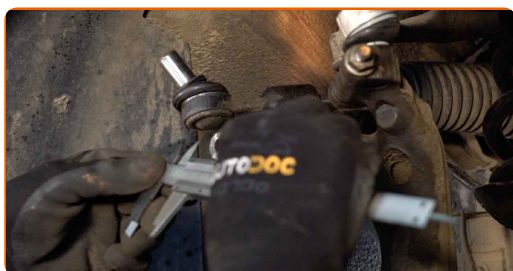
10 Disconnect the tie rod end from the steering knuckle. Use a flat metal-working chisel. Use a hammer.



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



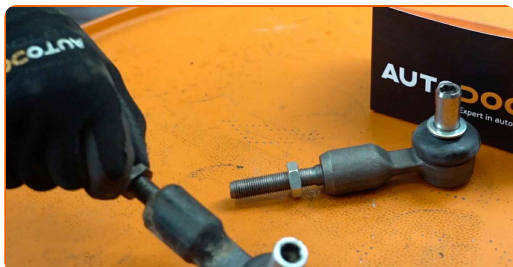
- 12 When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



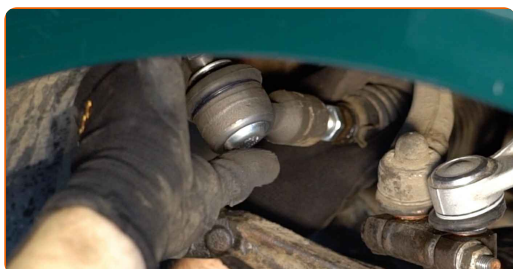
- 13 Loosen the lock nut securing the tie rod end to the tie rod. Use a combination spanner #18. Use a combination spanner #22.



- 14 Screw the end out of the tie rod.



- 15 Screw on a new tie rod end.



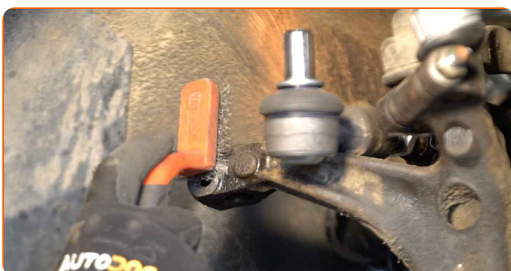
Replacement: track rod end – VW Passat B5 Saloon (3B2). AUTODOC recommends:

- 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.

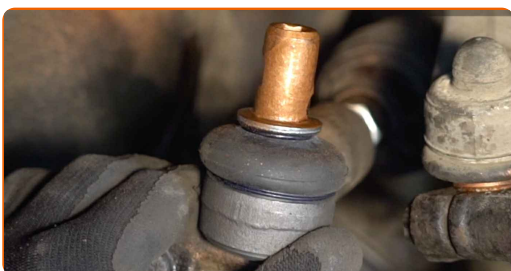
16 When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



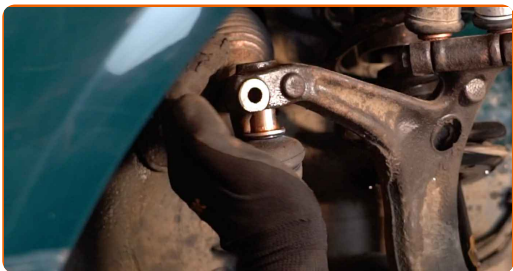
17 Clean the mounting seats of the tie rod end. Use a wire brush. Use WD-40 spray.



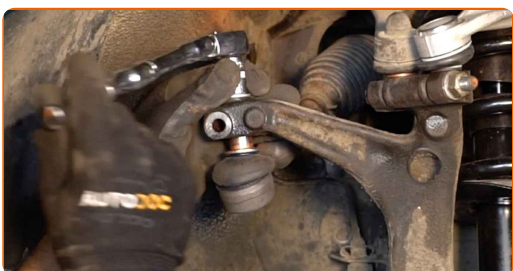
18 Treat the threaded part of the tie rod. Use copper grease.



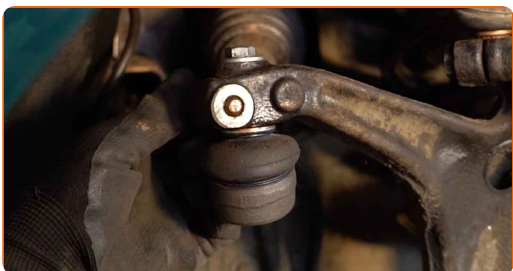
19 Connect the tie rod end to the steering knuckle.



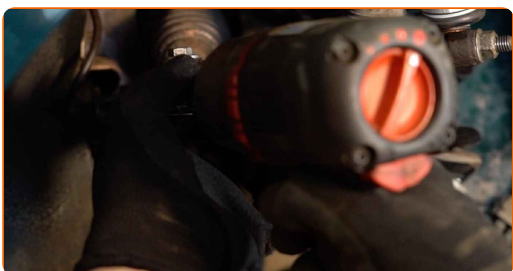
20 Screw on the fastening nut that connects the tie rod end to the steering knuckle. Use a drive socket #13. Use a ratchet wrench.



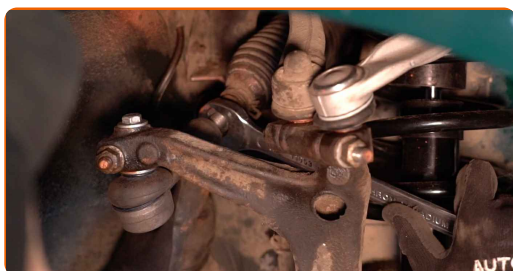
21 Install the fastening bolt.



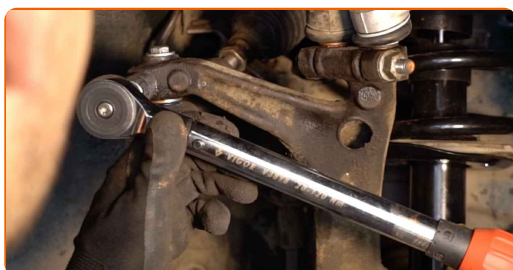
22 Screw on the fastening nut that connects the tie rod end to the steering knuckle. Use a drive socket #15. Use a ratchet wrench.



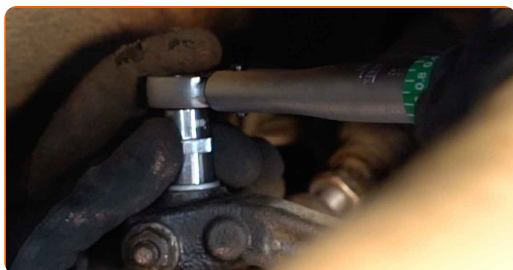
- 23** Tighten the tie rod end locknut. Use a combination spanner #18. Use a combination spanner #22. Use a torque wrench. Tighten it to 40 nm torque.



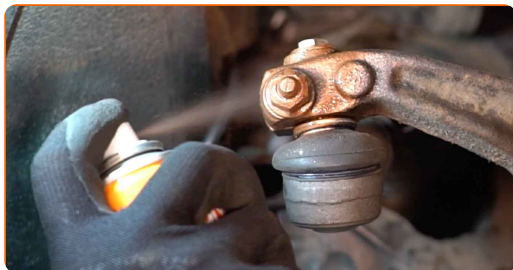
- 24** Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #15. Use a torque wrench. Tighten it to 45 nm torque.



- 25** Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #13. Use a torque wrench. Tighten it to 7 nm torque.

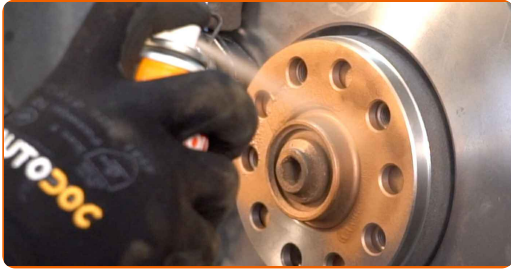


- 26** Treat the fastener connecting the tie rod end to the steering knuckle. Use copper grease.



27

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



28

Clean the brake disk surface. Use a brake cleaner.

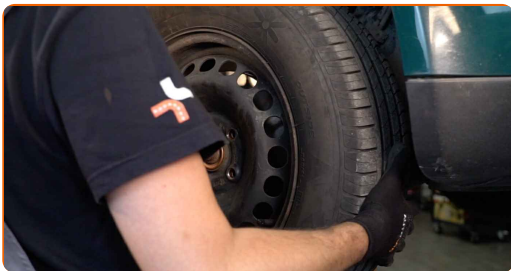


AUTODOC recommends:

- Replacement: track rod end – VW Passat B5 Saloon (3B2). After applying the spray, wait a few minutes.

29

Install the wheel.



Replacement: track rod end – VW Passat B5 Saloon (3B2). Professionals recommend:

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

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



31 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 Passat B5 Saloon (3B2). Tip from AUTODOC experts:

- Check and adjust wheel alignment if necessary.

32 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

TRACK ROD END: 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.