VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
VW PASSAT (3B3) 1.8 T 20V, VW PASSAT Variant (3B6) 1.8 T 20V

The steps may slightly vary depending on the car design.

REPLACEMENT: TRACK ROD END – VW PASSAT B5 VARIANT. TOOLS YOU NEED:

- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #18
- Combination spanner #22
- Drive socket # 13
- Drive socket # 16
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Flat Screwdriver
- Pin punch
- Hammer
- Vernier caliper
- Wheel chock

Replacement: track rod end – VW Passat B5 Variant. 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.
- Warning! Shut down the engine before starting any work – VW Passat B5 Variant.

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 Variant. Tip:

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

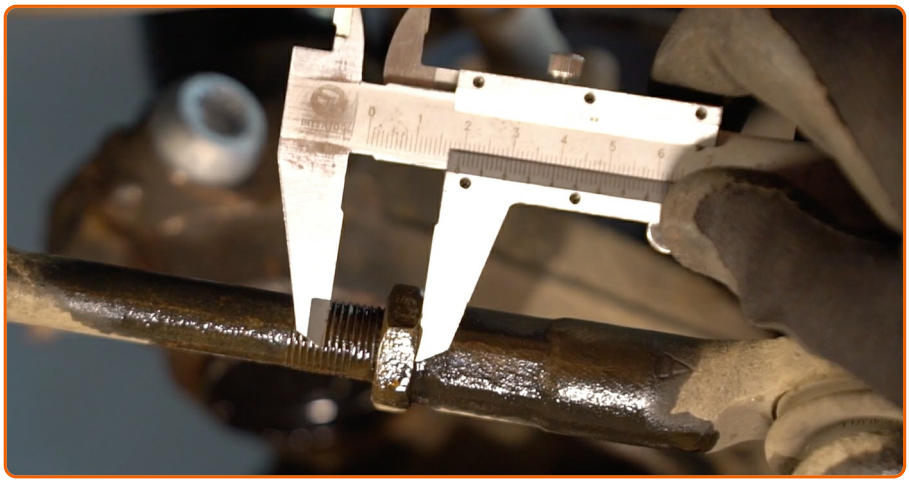
5

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

Unscrew the end fastening nut to the steering knuckle. Use a drive socket #16. Use a ratchet wrench.

9

Remove the fastening bolt. Use a pin punch. Use a hammer.

10

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

11

Remove the fastening bolt.

12

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

13

Disconnect the tie rod end from the steering knuckle. Use a flat screwdriver. Use a hammer.

14

Screw the end out of the tie rod.

15

Screw on a new tie rod end.

Replacement: track rod end – VW Passat B5 Variant. 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

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

17

Connect the tie rod end to the steering knuckle.

18

Install the fastening bolts. Use a hammer.

19.1

Tighten the fastening nut connecting the tie rod end to the steering knuckle.

19.2

Use a drive socket #16. Use a torque wrench. Tighten it to 70 nm torque.

20

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 35 nm torque.

21

Tighten the tie rod end locknut Use a combination spanner #18. Use a combination spanner #22. Use a torque wrench. Tighten it to 55 nm torque.

22

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

23

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

24

Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: track rod end – VW Passat B5 Variant. After applying the spray, wait a few minutes.

25

Install the wheel.

Replacement: track rod end – VW Passat B5 Variant. Tip from AUTODOC experts:

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

26

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

27

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 Variant. Tip from AUTODOC experts:

- Check and adjust wheel alignment if necessary.

28

Remove the jacks and chocks.

DID YOU FIND THESE INSTRUCTIONS HELPFUL?

YES NO

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