



How to change track rod
end on **AUDI A3**
Hatchback (8L1) –
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:

AUDI A3 Hatchback (8L1) 1.6, AUDI A3 Hatchback (8L1) 1.8, AUDI A3 Hatchback (8L1) 1.8 T, AUDI A3 Hatchback (8L1) 1.9 TDI, AUDI A3 Hatchback (8L1) 1.8 T quattro, AUDI A3 Hatchback (8L1) S3 quattro, AUDI A3 Hatchback (8L1) 1.9 TDI quattro

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: SEAT Leon Hatchback (1M1) 1.8 20V

REPLACEMENT: TRACK ROD END – AUDI A3 HATCHBACK (8L1). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Ceramic grease
- Torque wrench
- Combination spanner #19
- Combination spanner #22
- Drive socket # 18
- Drive socket # 19
- Wheel impact socket #17
- Ball joint puller
- Ratchet wrench
- Tap wrench
- Vernier caliper
- Wheel chock

Buy tools

Replacement: track rod end – AUDI A3 Hatchback (8L1). AUTODOC recommends:

- Replace tie rod ends in pairs.
- The replacement procedure is identical for the right and left tie rod ends.
- Warning! Shut down the engine before starting any work – AUDI A3 Hatchback (8L1).

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Secure the wheels with chocks.

2 Loosen the wheel bolts. Use wheel impact socket #17. Use a tap wrench.



3 Raise the car.

Replacement: track rod end – AUDI A3 Hatchback (8L1). Tip:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

4

Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
AUDI A3 Hatchback (8L1)

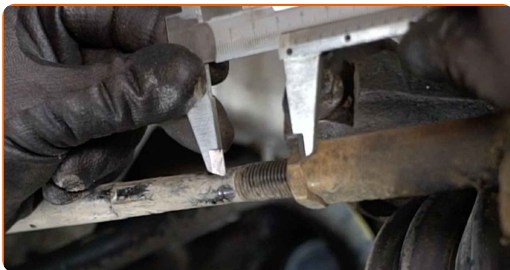
5

Remove the wheel.



6

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.



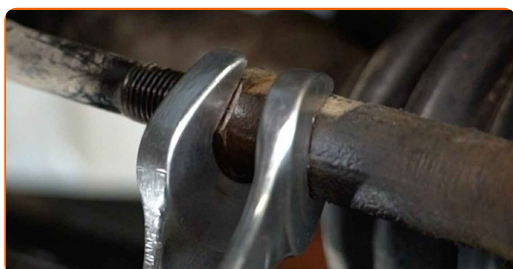
7

Clean all tie rod end connections. Use a wire brush. Use WD-40 spray.



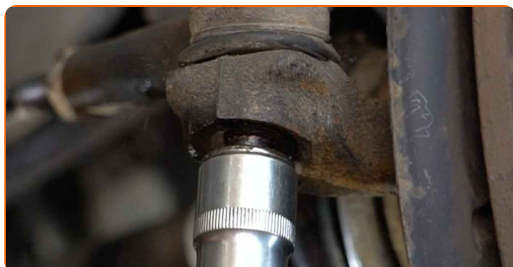
8

Loosen the lock nut securing the tie rod end to the tie rod. Use a combination spanner #19. Use a combination spanner #22.



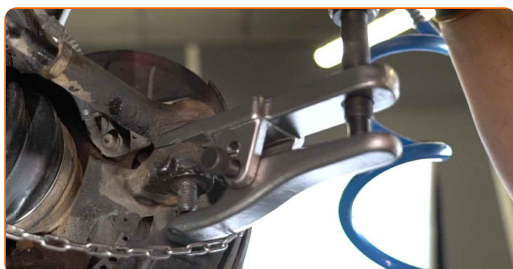
9

Unscrew the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #18. Use a ratchet wrench.



10

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



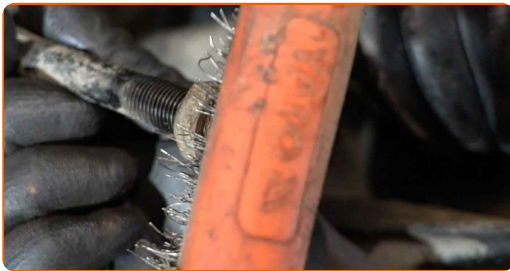
11

Unscrew the tie rod end from the tie rod.



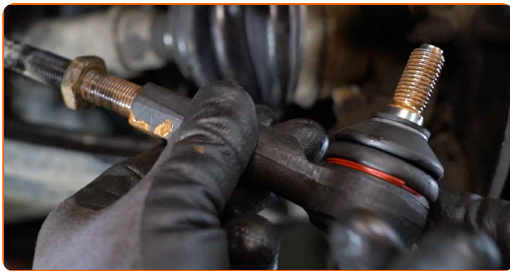
12

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 – AUDI A3 Hatchback (8L1). Tip from AUTODOC:

- 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.

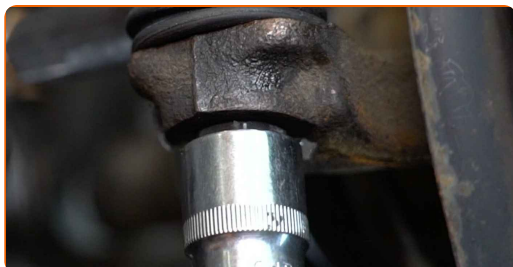
14 Connect the tie rod end to the steering knuckle.



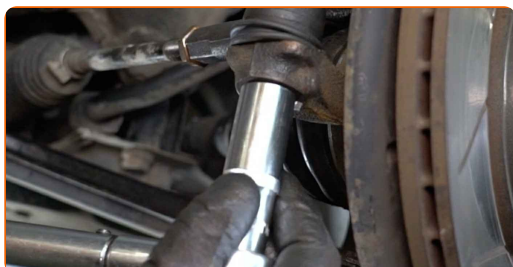
15 Set the tie rod end to the correct position and secure it with the lock nut. Use a vernier caliper. Use a combination spanner #19. Use a combination spanner #22.



16 Screw on the fastening nut that connects the tie rod end to the steering knuckle. Use a drive socket #19. Use a ratchet wrench.



17 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 45 Nm torque.



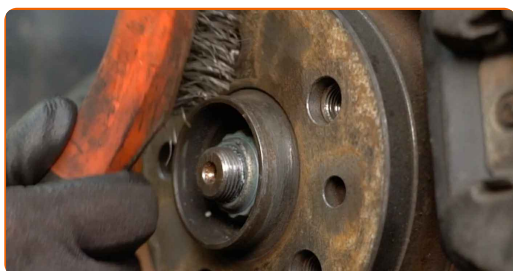
18

Tighten the tie rod end locknut. Use a combination spanner #19. Use a combination spanner #22. Use a torque wrench. Tighten it to 50 Nm torque.



19

Clean the wheel rim mounting seat. Use a wire brush.



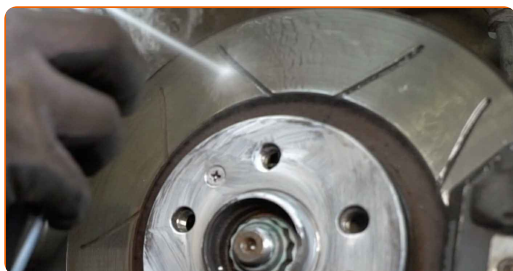
20

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

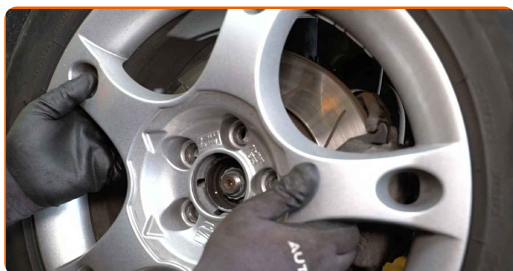


21

Clean the brake disc surface. Use a brake cleaner.



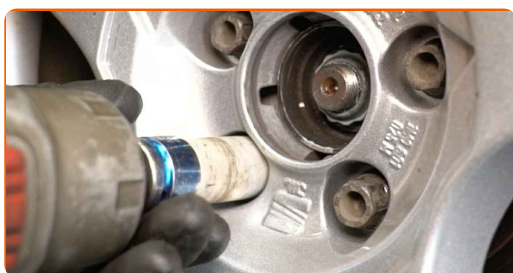
22 Install the wheel.



AUTODOC recommends:

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

23 Screw in the wheel bolts. Use wheel impact socket #17. Use a ratchet wrench.



24 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.



25

Remove the jacks and chocks.



Replacement: track rod end – AUDI A3 Hatchback (8L1). Professionals recommend:

- After replacing the component, it is advisable to realign the wheels using a wheel aligner.

WELL DONE! 

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