



How to change track rod
end on **Volvo XC90 1** –
replacement guide

VIDEO TUTORIAL



 Important!

This replacement procedure can be used for:

VOLVO XC90 I (275) 2.4 D5, VOLVO XC90 I (275) 3.2 AWD, VOLVO XC70 Cross Country (295) 2.4 T XC AWD, VOLVO XC90 I (275) 2.5 T AWD, VOLVO XC90 I (275) 2.9 T6, VOLVO XC70 Cross Country (295) 2.4 D5 XC AWD, VOLVO XC70 Cross Country (295) 2.5 T XC AWD, VOLVO XC90 I (275) 4.4 V8, VOLVO XC70 Cross Country (295) 2.4 D5 AWD, VOLVO XC90 I (275) 3.2, VOLVO XC90 I (275) 2.4 D5 AWD, VOLVO XC90 I (275) 2.5, VOLVO XC90 I (275) 2.5 AWD, VOLVO XC90 I (275) D5 AWD

The steps may slightly vary depending on the car design.

REPLACEMENT: TRACK ROD END – VOLVO XC90 1.
LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #13
- Combination spanner #19
- Combination spanner #21
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Adjustable wrench
- Vernier caliper
- Wheel chock

BUY TOOLS

Replacement: track rod end – Volvo XC90 1. AUTODOC experts recommend:

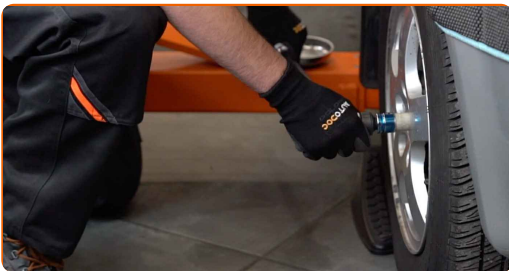
- Replace tie rod ends in pairs.
- The replacement procedure is identical for the right and left tie rod ends.
- Please note: all work on the car – Volvo XC90 1 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Secure the wheels with chocks.



2 Loosen the wheel mounting bolts. Use wheel impact socket #19.



3 Raise the front of the car and secure on supports.



4

Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
Volvo XC90 1

5

Remove the wheel.



6

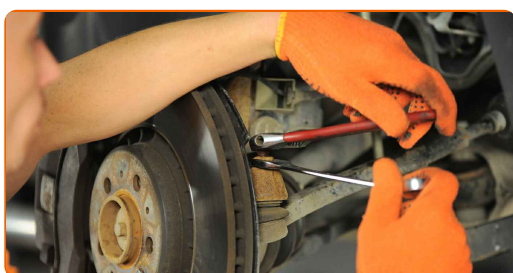
When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



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

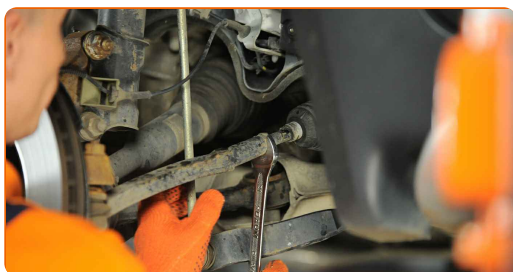


8 Unscrew the end fastening nut to the steering knuckle. Use a combination spanner #19. Use an adjustable wrench.



9 Clean the lock nut that connects the tie rod to the tie rod end. Use a wire brush. Use WD-40 spray.

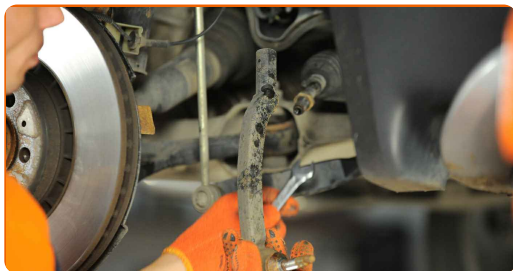
10 Loosen the lock nut securing the tie rod end to the tie rod. Use a combination spanner #21.



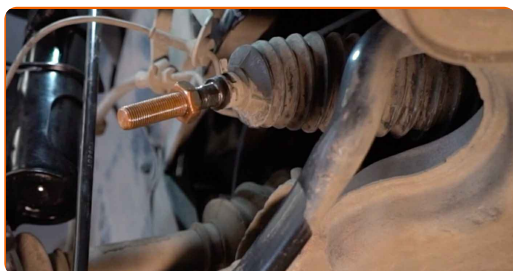
11 Disconnect the tie rod end from the steering knuckle.



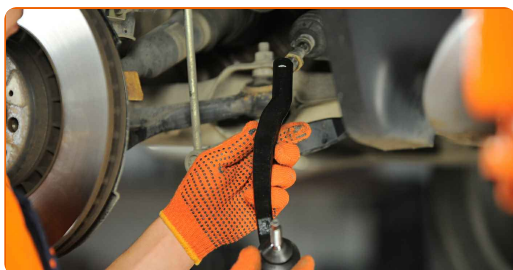
12 Screw the end out of the tie rod. Use a combination spanner #13.



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



14 Screw on a new tie rod end.



Replacement: track rod end – Volvo XC90 1. Professionals 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.

15 Connect the tie rod end to the steering knuckle.

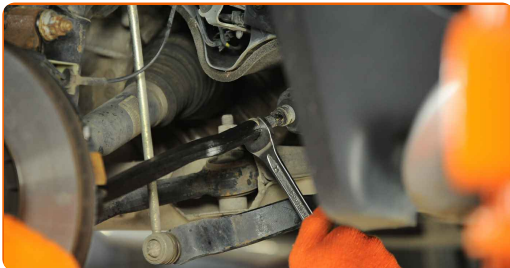
- 16** Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use an adjustable wrench. Use a combination spanner #19. Use a torque wrench. Tighten it to 50 Nm torque.+35°



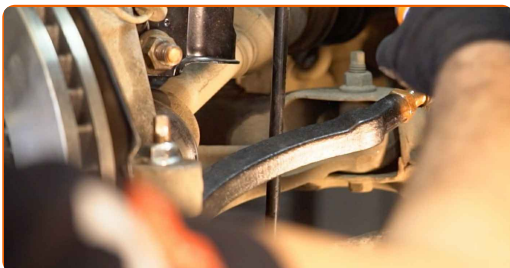
AUTODOC recommends:

- Important! Be sure to use new fasteners.

- 17** Tighten the tie rod end locknut. Use a combination spanner #21. Use a torque wrench. Tighten it to 70 nm torque.



- 18** Treat all tie rod end connections. Use copper grease.



19

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



20

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: track rod end – Volvo XC90 1. After applying the spray, wait a few minutes.

21

Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Volvo XC90 1

22

Screw in the wheel bolts. Use wheel impact socket #19.



23

Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 140 nm torque.

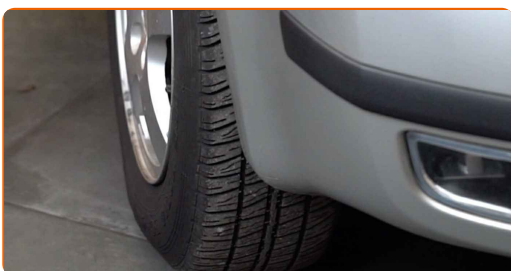


Replacement: track rod end – Volvo XC90 1. Professionals recommend:

- Check and adjust wheel alignment if necessary.

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Remove the jacks and chocks.



WELL DONE! 

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