



How to change track rod
end on **Volvo V70 SW** –
replacement guide

VIDEO TUTORIAL

** Important!**

This replacement procedure can be used for:

VOLVO S80 I (184) 2.9, VOLVO S80 I (184) 2.8 T6, VOLVO S80 I (184) 2.4, VOLVO S80 I (184) 2.0 T, VOLVO S80 I (184) 2.5 TDI, VOLVO S80 I (184) 2.0, VOLVO V70 II (285) 2.3 T5, VOLVO V70 II (285) 2.4 T, VOLVO V70 II (285) 2.5 TDI, VOLVO V70 II (285) 2.4, VOLVO S60 I (384) 2.4, VOLVO S60 I (384) 2.4 T, VOLVO S60 I (384) 4.0 T5, VOLVO S80 I (184) 2.4 T, VOLVO S80 I (184) 2.4 D5, (+ 39)

The steps may slightly vary depending on the car design.

REPLACEMENT: TRACK ROD END – VOLVO V70 SW.
 TOOLS YOU MIGHT NEED:



- Wire brush
- Brake cleaner
- Copper grease
- Combination spanner #18
- Combination spanner #19
- Combination spanner #22
- Drive socket # 18
- Wheel impact socket #19
- Torque wrench
- Vernier caliper
- Locking pliers
- Tap wrench
- Wheel chock

BUY TOOLS

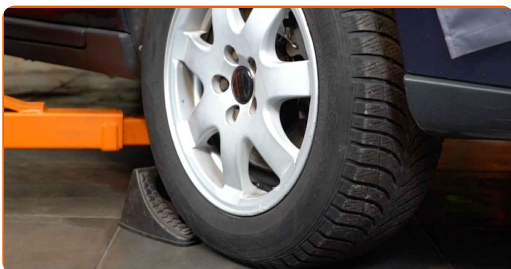
Replacement: track rod end – Volvo V70 SW. Tip from AUTODOC:

- 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 – Volvo V70 SW – should be done with the engine switched off.

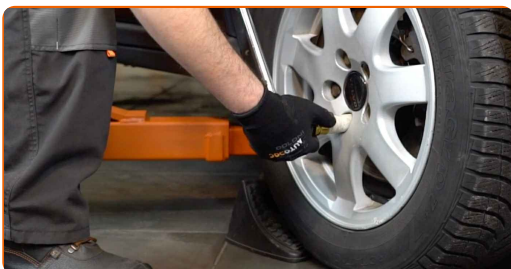
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1

Secure the wheels with chocks.

**2**

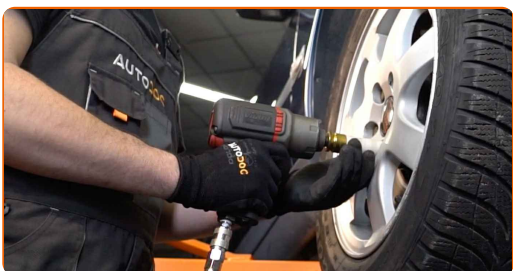
Loosen the wheel mounting bolts. Use wheel impact socket #19.



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



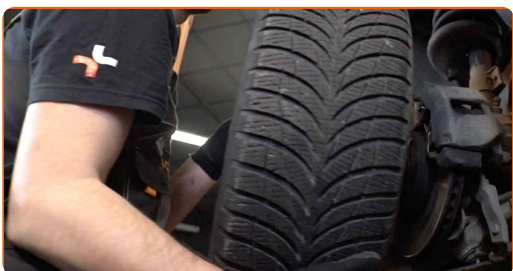
4 Unscrew the wheel bolts.



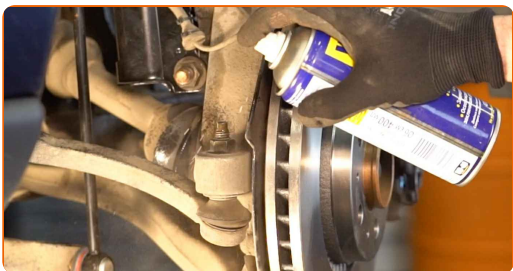
AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. Volvo V70 SW

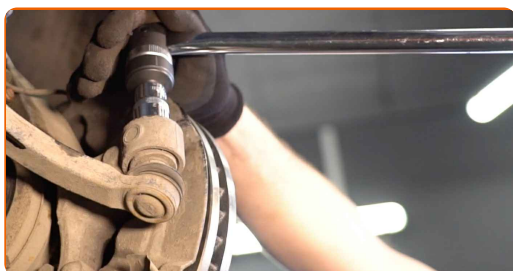
5 Remove the wheel.



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



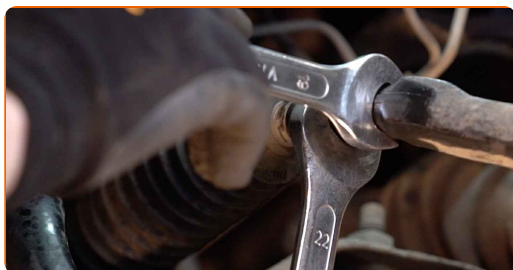
- 7** Unscrew the end fastening nut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a tap wrench. Use locking pliers.



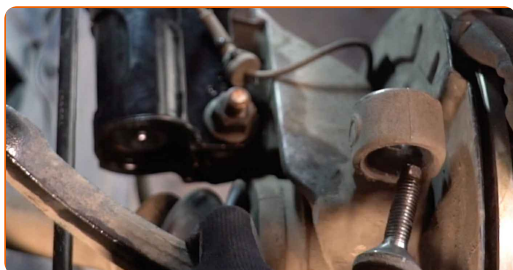
- 8** When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



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

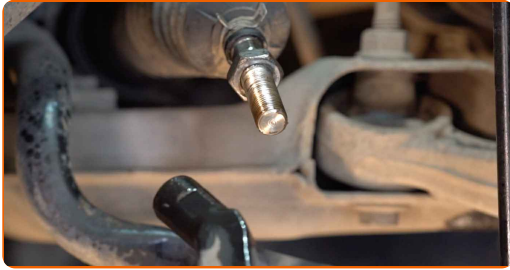


- 10** Disconnect the tie rod end from the steering knuckle.



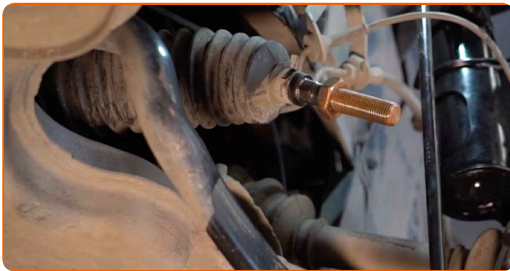
11

Screw the end out of the tie rod.



12

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



13

Screw on a new tie rod end.



Replacement: track rod end – Volvo V70 SW. 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.

14

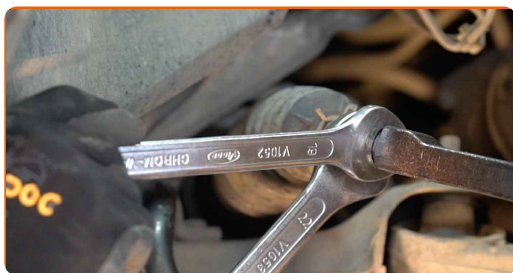
Clean the mounting seats of the tie rod end. Use a wire brush. Treat the mounting seats of the tie rod end. Use copper grease.

15

Connect the tie rod end to the steering knuckle.

16

Screw on the tie rod end jam nut. Use a combination spanner #19. Use a combination spanner #22.



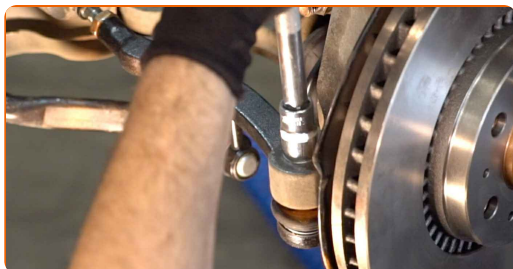
17

Tighten the tie rod end locknut. Use a combination spanner #19. Use a combination spanner #22. Use a torque wrench. Tighten it to 70 nm torque.



18

Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #18. Use a torque wrench. Tighten it to 65 nm torque.

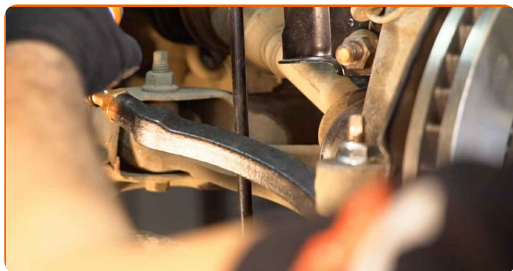


19

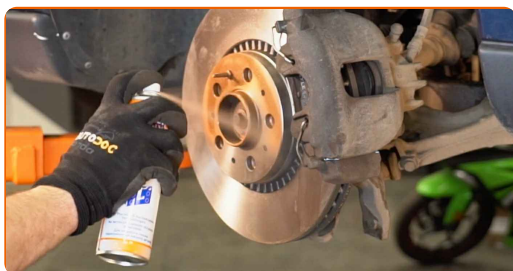
When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



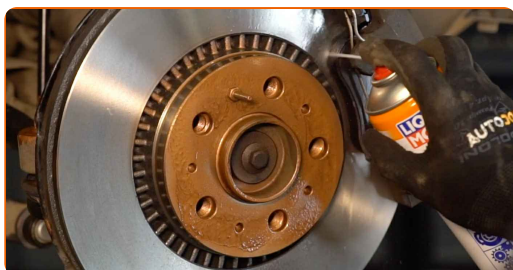
20 Treat the fastener connecting the tie rod end to the steering knuckle. Use copper grease.



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



22 Clean the wheel rim mounting seat. Use a brake cleaner.



AUTODOC recommends:

- After applying the spray, wait a few minutes.

23 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Volvo V70 SW

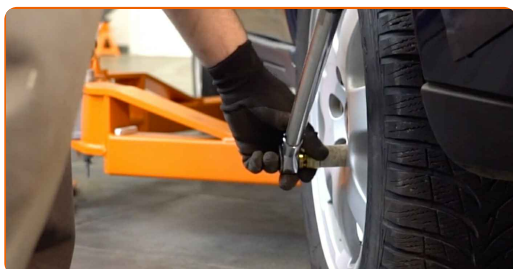
24

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



25

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



Replacement: track rod end – Volvo V70 SW. Professionals recommend:

- Check and adjust wheel alignment if necessary.

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Remove the jacks and chocks.



WELL DONE! 

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