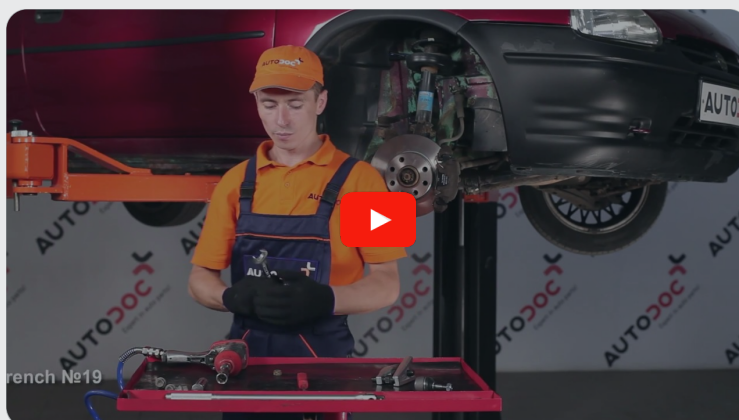




How to change track rod  
end on **OPEL COMBO**  
**(71\_)** – replacement guide

## 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:  
 OPEL COMBO (71\_) 1.2, OPEL COMBO (71\_) 1.4, OPEL COMBO (71\_) 1.7 D, OPEL  
 COMBO (71\_) 1.4 16V

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: OPEL Corsa B Hatchback (S93) 1.4 i (F08, F68, M68)

REPLACEMENT: TRACK ROD END – OPEL COMBO (71\_).  
TOOLS YOU NEED:



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

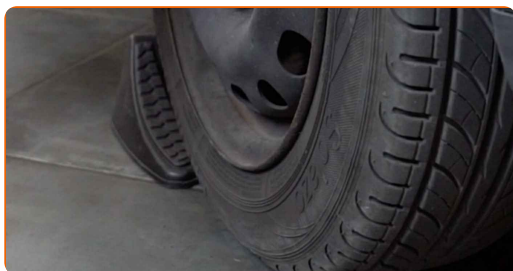
**Buy tools**

Replacement: track rod end – OPEL COMBO (71\_). AUTODOC recommends:

- Replace tie rod ends in pairs.
- The replacement procedure is identical for the right and left tie rod ends.
- All work should be done with the engine stopped.

## REPLACEMENT: TRACK ROD END – OPEL COMBO (71\_). USE THE FOLLOWING PROCEDURE:

**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.

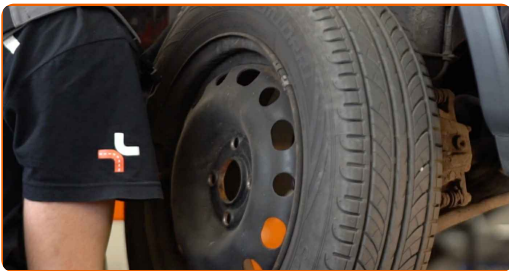
**4** Unscrew the wheel bolts.



**AUTODOC recommends:**

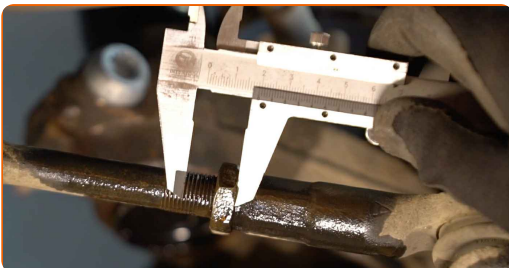
- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.  
OPEL COMBO (71\_)

**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.

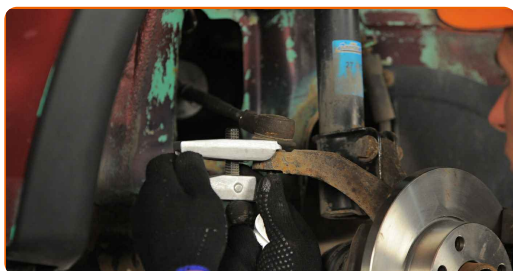
**7** When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



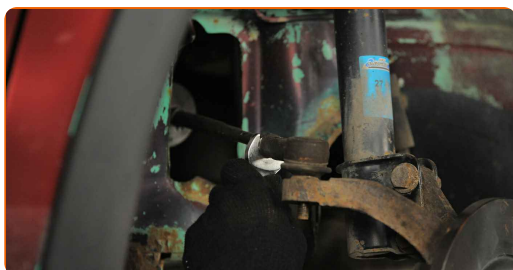
**8** Unscrew the end fastening nut to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.



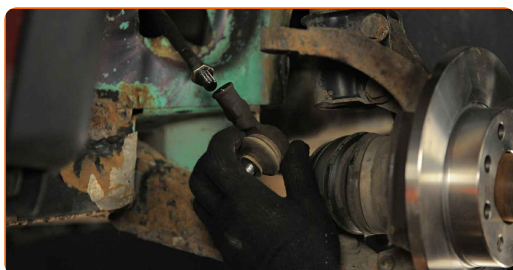
**9** Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.



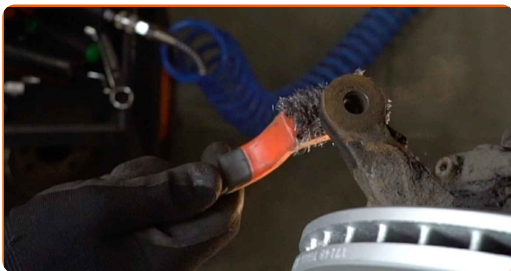
**10** Loosen the lock nut securing the tie rod end to the tie rod. Use a combination spanner #19.



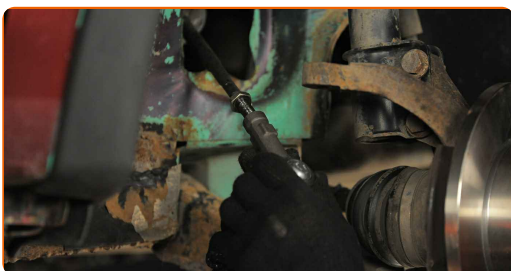
**11** Screw the end out of the tie rod.



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



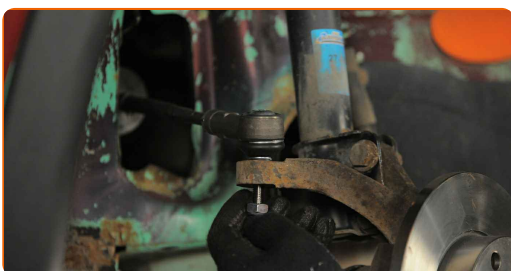
**13** Screw on a new tie rod end.



Replacement: track rod end – OPEL COMBO (71\_). 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** Connect the tie rod end to the steering knuckle.

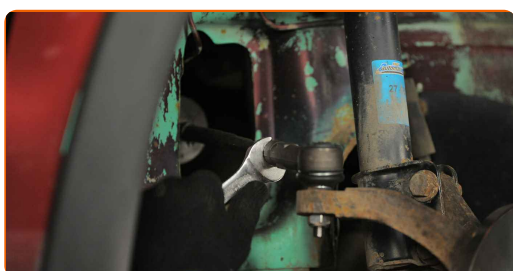




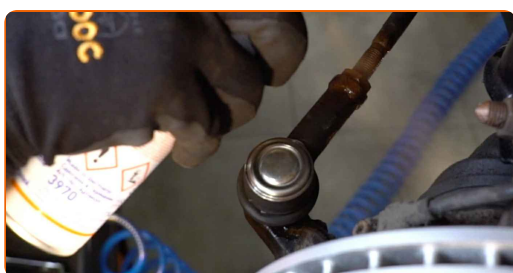
- 15 Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #17. Use a torque wrench. Tighten it to 30 nm torque.



- 16 Tighten the tie rod end locknut. Use a combination spanner #19. Use a torque wrench. Tighten it to 50 nm torque.



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



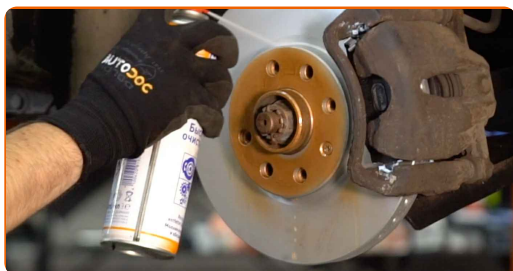
- 18 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.





19

Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: track rod end – OPEL COMBO (71\_). After applying the spray, wait a few minutes.

20

Install the wheel.

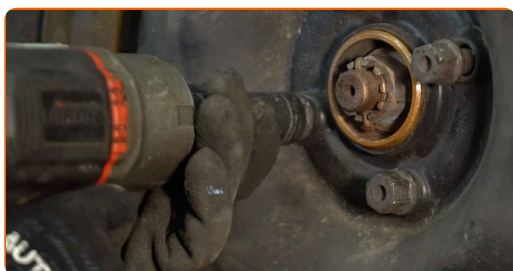


Replacement: track rod end – OPEL COMBO (71\_). Tip from AUTODOC:

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

21

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



- 22** 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 110 nm torque.



Replacement: track rod end – OPEL COMBO (71\_). AUTODOC experts recommend:

- Check and adjust wheel alignment if necessary.

- 23** Remove the jacks and chocks.



**WELL DONE!** 

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**TRACK ROD END: A WIDE SELECTION**

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