



How to change track rod  
end on **MERCEDES-  
BENZ C-Class T-modell  
(S202)** – 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:

MERCEDES-BENZ C-Class T-modell (S202) C 180 T (202.078), MERCEDES-BENZ C-Class T-modell (S202) C 200 T (202.080), MERCEDES-BENZ C-Class T-modell (S202) C 220 T D (202.182), MERCEDES-BENZ C-Class T-modell (S202) C 250 T Turbo-D (202.188), MERCEDES-BENZ C-Class T-modell (S202) C 230 T (202.083), MERCEDES-BENZ C-Class T-modell (S202) C 200 T D (202.180), MERCEDES-BENZ C-Class T-modell (S202) C 230 T Kompressor (202.085), MERCEDES-BENZ C-Class T-modell (S202) C 240 T (202.086), MERCEDES-BENZ C-Class T-modell (S202) C 280 T (202.089), MERCEDES-BENZ C-Class T-modell (S202) C 220 T CDI (202.193), MERCEDES-BENZ C-Class T-modell (S202) C 200 T Kompressor (202.082), MERCEDES-BENZ C-Class T-modell (S202) C 200 T CDI (202.194), MERCEDES-BENZ C-Class T-modell (S202) C 43 AMG (202.093), MERCEDES-BENZ C-Class T-modell (S202) C 180 T (202.081), MERCEDES-BENZ C-Class T-modell (S202) C 200 T Kompressor (202.087), (+ 1)

The steps may slightly vary depending on the car design.

Please note that this tutorial was created based on the replacement procedure for this car part on a car with a similar design.

This tutorial was created based on the replacement procedure for a similar car part on: MERCEDES-BENZ C-Class Saloon (W202) C 220 (202.022)

REPLACEMENT: TRACK ROD END – MERCEDES-BENZ  
C-CLASS T-MODELL (S202). TOOLS YOU'LL NEED:



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

**Buy tools**

Replacement: track rod end – MERCEDES-BENZ C-Class T-modell (S202).  
AUTODOC experts recommend:

- 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 – MERCEDES-BENZ C-CLASS T-MODELL (S202). RECOMMENDED SEQUENCE OF STEPS:

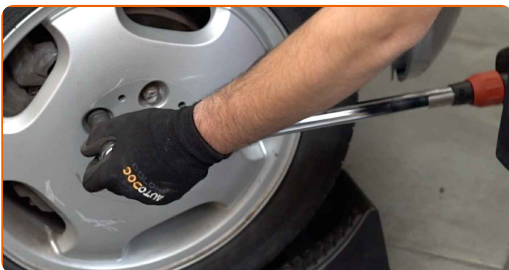
1

Secure the wheels with chocks.



2

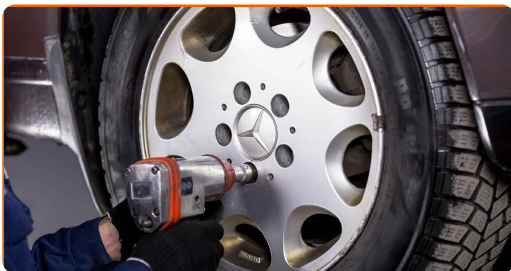
Loosen the wheel mounting bolts. Use wheel impact socket #17.



3

Raise the front of the car and secure on supports.

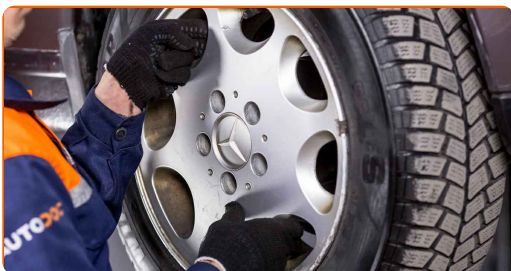
**4** Unscrew the wheel bolts.



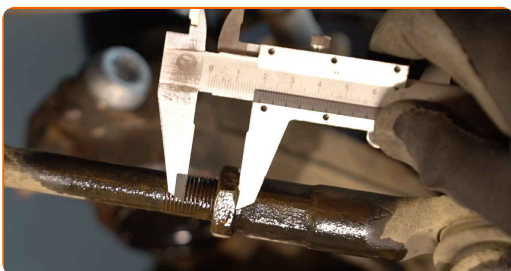
**AUTODOC recommends:**

- Important! Hold the wheel while unscrewing the fastening bolts. MERCEDES-BENZ C-Class T-modell (S202)

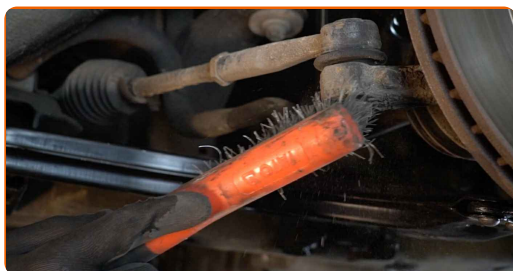
**5** Remove the wheel.



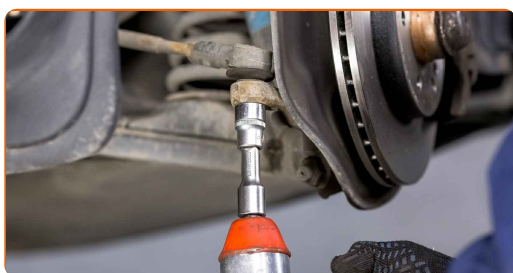
**6** When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



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

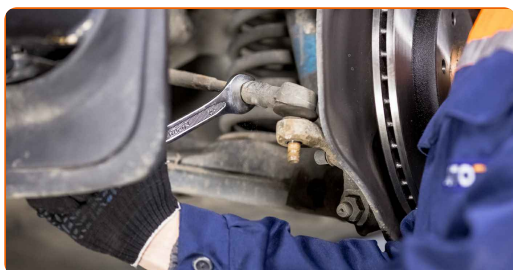


**8** Unscrew the end fastening nut to the steering knuckle. Use a drive socket #19. Use a ratchet wrench.

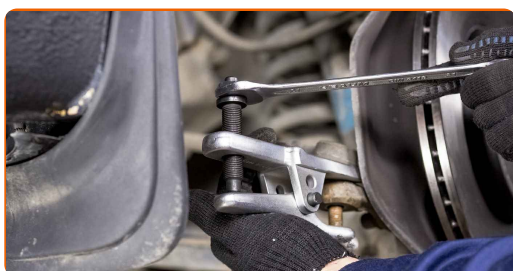


**9** Clean the lock nut that connects the tie rod to the tie rod end. Use a wire brush. Use WD-40 spray.

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

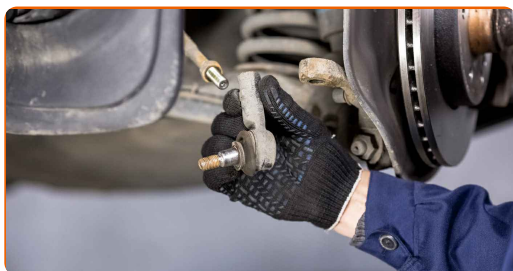


**11** Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.

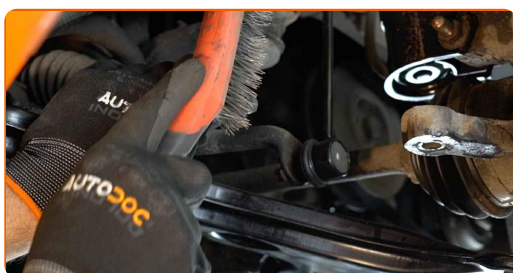




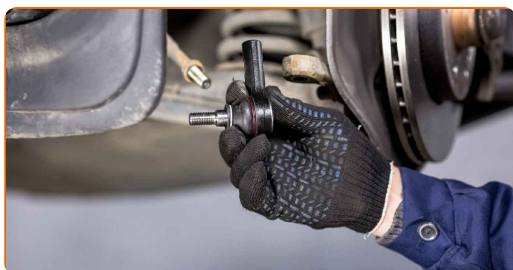
**12** Screw the end out of the tie rod.



**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.

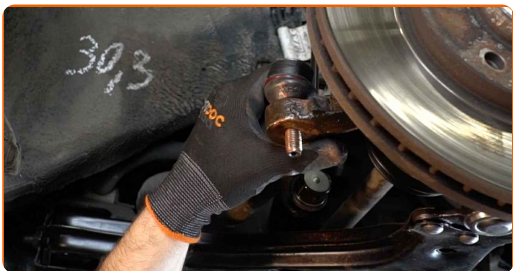


Replacement: track rod end – MERCEDES-BENZ C-Class T-modell (S202).  
AUTODOC recommends:

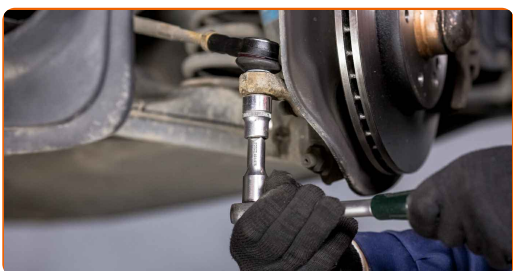
- While installing the steering rod end remember to make the same number of turns or to leave the same length of thread showing as per your measurements.



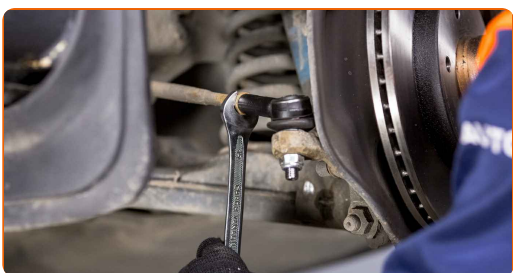
**15** Connect the tie rod end to the steering knuckle.



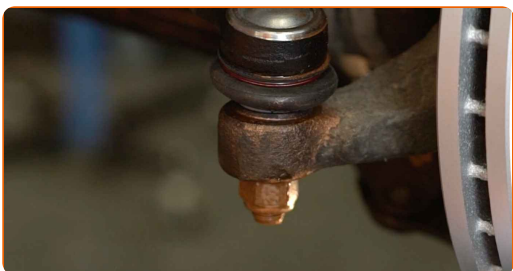
**16** Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #19. Use a torque wrench. Tighten it to 50 nm torque.



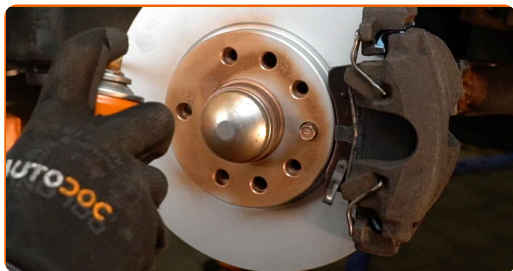
**17** Tighten the tie rod end locknut. Use a combination spanner #19. Use a torque wrench. Tighten it to 60 nm torque.



**18** Treat the fastener connecting the tie rod end to the steering knuckle. 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 – MERCEDES-BENZ C-Class T-modell (S202). After applying the spray, wait a few minutes.

**21** Install the wheel.



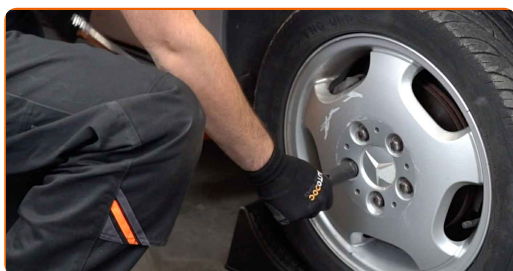
**Replacement: track rod end – MERCEDES-BENZ C-Class T-modell (S202). Tip:**

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

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



**23** 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 110 nm torque.



Replacement: track rod end – MERCEDES-BENZ C-Class T-modell (S202).  
AUTODOC experts recommend:

- Check and adjust wheel alignment if necessary.

**24** Remove the jacks and chocks.



**WELL DONE!** 

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