



How to change track rod  
end on **FIAT Barchetta**  
**(183)** – 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:

FIAT Barchetta (183) 1.8 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: FIAT Punto II Hatchback (188) 1.2 60

REPLACEMENT: TRACK ROD END – FIAT BARCHETTA  
(183). TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Drive socket # 17
- Combination spanner #20
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Vernier caliper
- Tap wrench
- Wheel chock

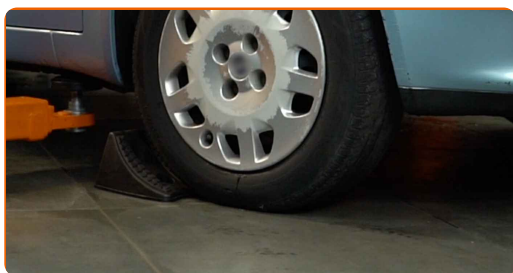
**Buy tools**

**Replacement: track rod end – FIAT Barchetta (183). Tip from AUTODOC:**

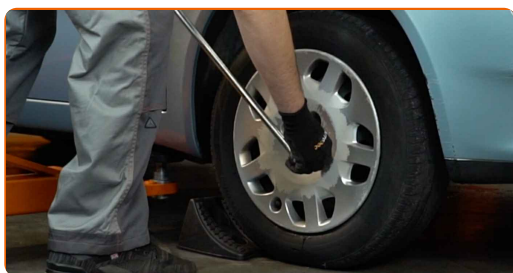
- Replace tie rod ends in pairs.
- The replacement procedure is identical for the right and left tie rod ends.
- Please note: all work on the car – FIAT Barchetta (183) – should be done with the engine switched off.

**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.

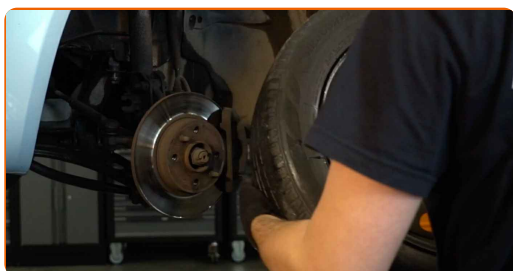


**AUTODOC recommends:**

- Important! Hold the wheel while unscrewing the fastening bolts. FIAT Barchetta (183)

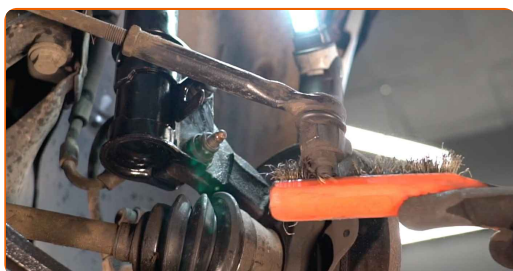
5

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.



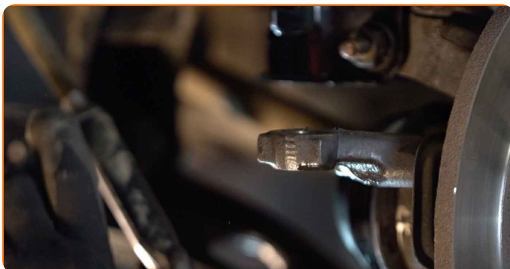
- 8 Loosen the lock nut securing the tie rod end to the tie rod. Use a combination spanner #20.



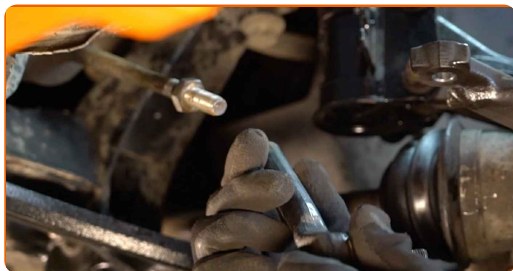
- 9 Unscrew the end fastening nut to the steering knuckle. Use a drive socket #17. Use a tap wrench.



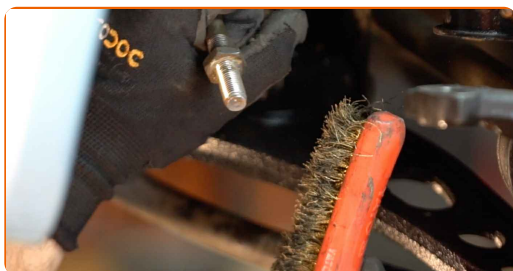
- 10 Disconnect the tie rod end from the steering knuckle.



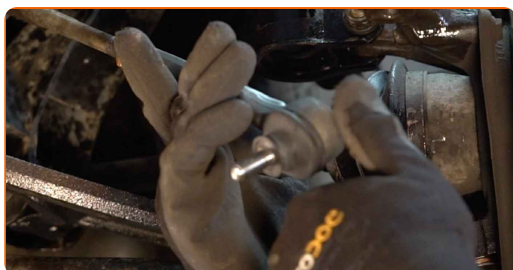
**11** Screw the end out of the tie rod.



**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 – FIAT Barchetta (183). 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.



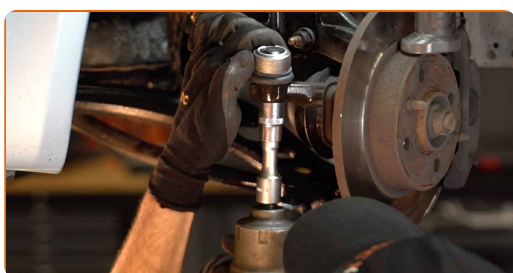
**14** Treat the threaded part of the tie rod. Use copper grease.



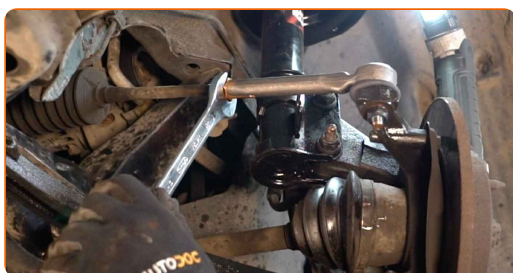
**15** Connect the tie rod end to the steering knuckle.



**16** Screw on the fastening nut that connects the tie rod end to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.

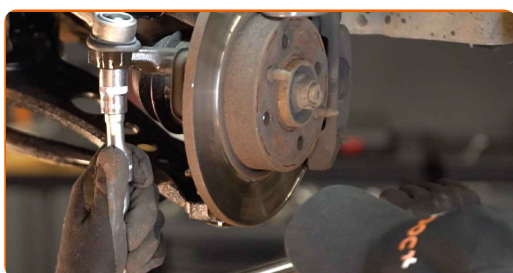


**17** Screw on the tie rod end jam nut. Use a combination spanner #20.

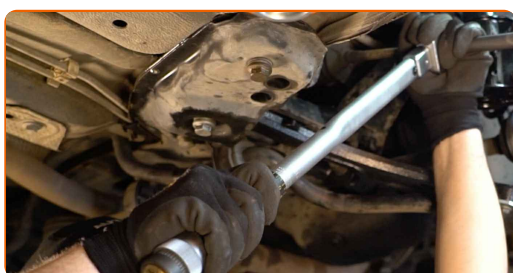




- 18** Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #17. Use a torque wrench. Tighten it to 40 nm torque.



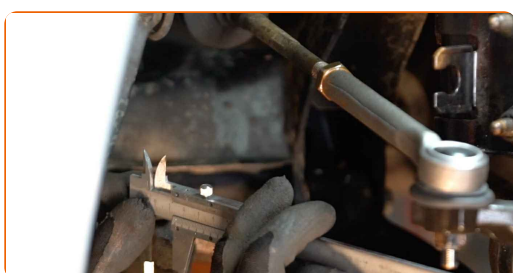
- 19** Tighten the tie rod end locknut. Use a combination spanner #20. Use a torque wrench. Tighten it to 50 nm torque.



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

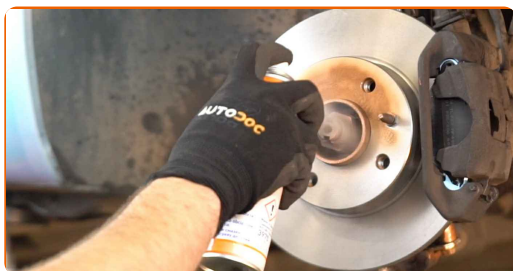


- 21** When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



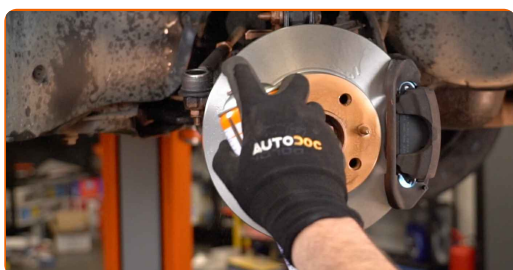
22

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



23

Clean the brake disk surface. Use a brake cleaner.

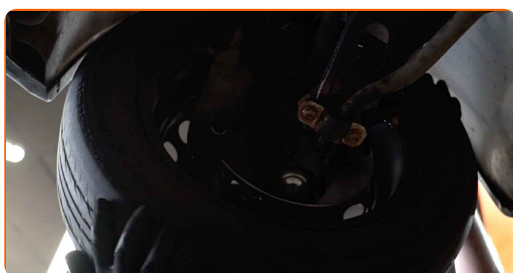


**AUTODOC recommends:**

- After applying the spray, wait a few minutes.

24

Install the wheel.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. FIAT Barchetta (183)

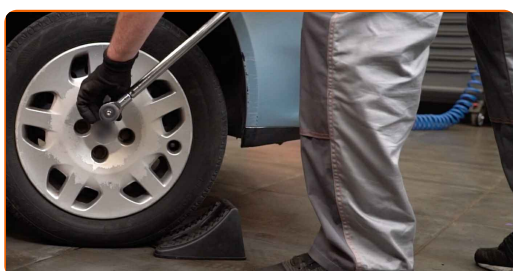
25

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



26

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 86 nm torque.



Replacement: track rod end – FIAT Barchetta (183). Tip from AUTODOC:

- Check and adjust wheel alignment if necessary.

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Remove the jacks and chocks.



**WELL DONE!** 

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