



How to change track rod  
end on **FIAT PUNTO (199)**  
– 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 PUNTO (199) 0.9 Bifuel, FIAT PUNTO (199) 1.4 Multi Air, FIAT PUNTO (199) 1.4, FIAT PUNTO (199) 1.2, FIAT PUNTO (199) 0.9 Twinair Turbo, FIAT PUNTO (199) 1.3 D Multijet, FIAT PUNTO (199) 1.4 Turbo Multi Air, FIAT PUNTO (199) 1.4 Natural Power, FIAT PUNTO (199) 0.9, FIAT PUNTO (199) 1.4 Bifuel

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 GRANDE PUNTO (199) 1.3 D Multijet

REPLACEMENT: TRACK ROD END – FIAT PUNTO (199).  
TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #15
- Combination spanner #22
- Drive socket # 17
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Vernier caliper
- Wheel chock

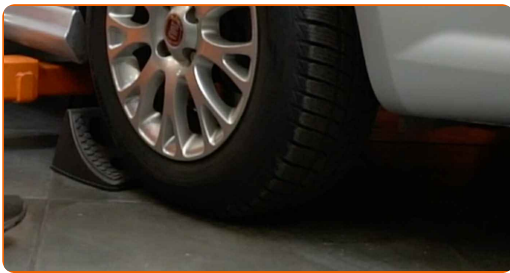
**Buy tools**

Replacement: track rod end – FIAT PUNTO (199). AUTODOC recommends:

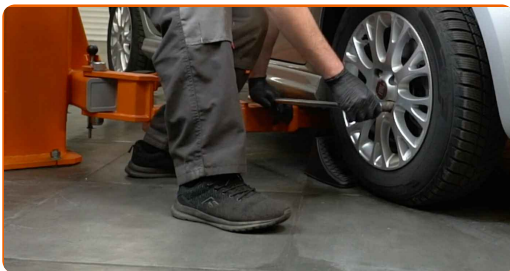
- Replace tie rod ends in pairs.
- The replacement procedure is identical for the right and left tie rod ends.
- All work should be done with the engine stopped.

**REPLACEMENT: TRACK ROD END – FIAT PUNTO (199).  
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.

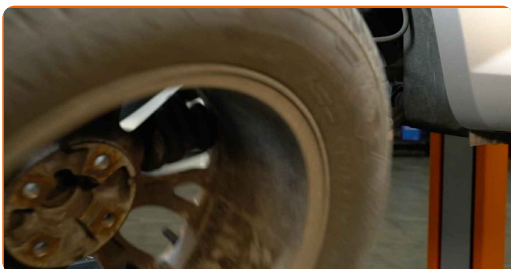
**4** Unscrew the wheel bolts.



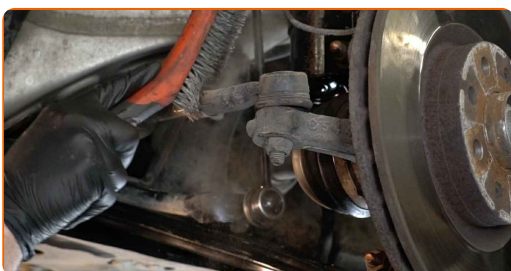
**AUTODOC recommends:**

- Important! Hold the wheel while unscrewing the fastening bolts. FIAT PUNTO (199)

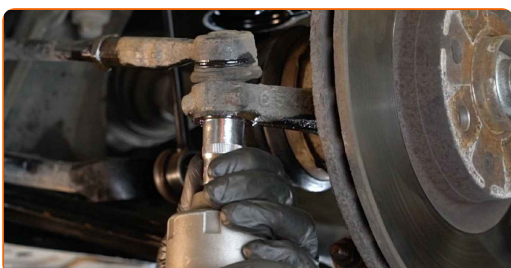
**5** Remove the wheel.



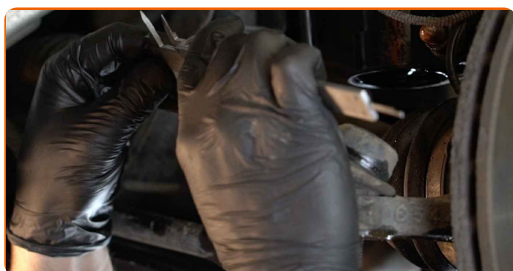
**6** Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.



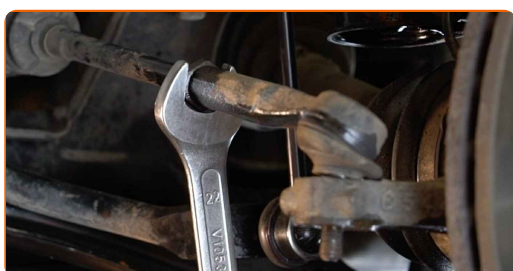
**7** Unscrew the end fastening nut to the steering knuckle. Use a drive socket #17. Use a tap wrench.



- 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.



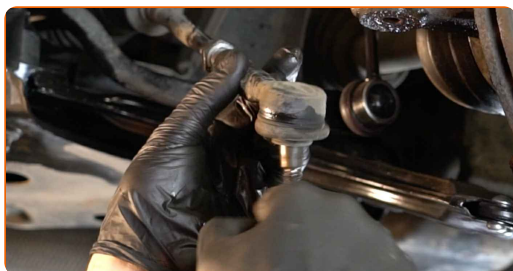
- 9 Loosen the lock nut securing the tie rod end to the tie rod. Use a combination spanner #22.



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

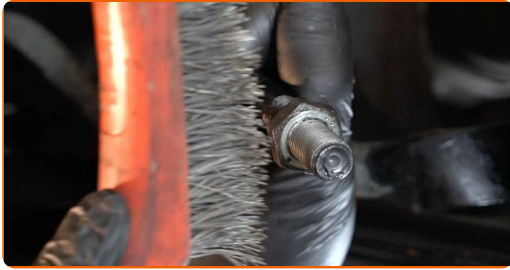


- 11 Screw the end out of the tie rod.



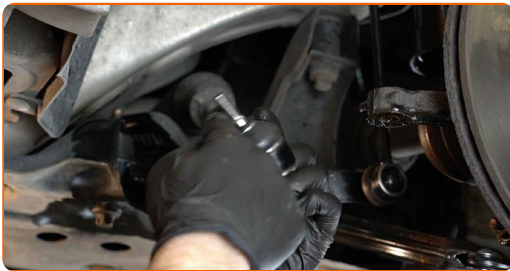
12

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.

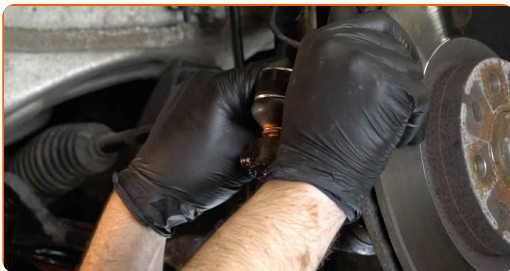


Replacement: track rod end – FIAT PUNTO (199). Tip from AUTODOC experts:

- 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

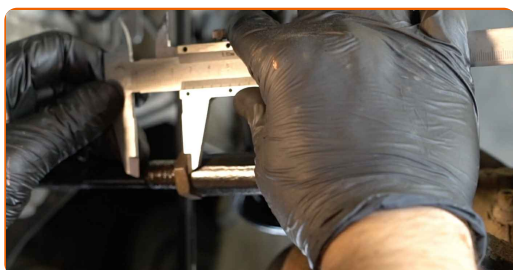
Connect the tie rod end to the steering knuckle.



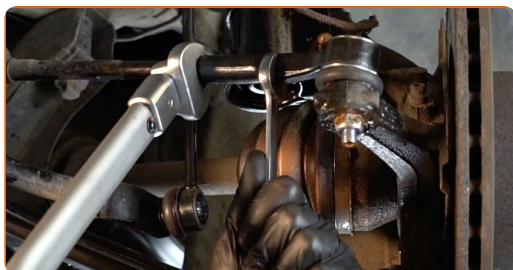
- 15** Screw on the fastening nut that connects the tie rod end to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.



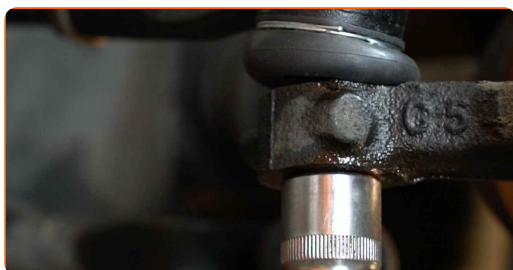
- 16** When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



- 17** Tighten the tie rod end locknut. Use a combination spanner #15. Use a combination spanner #22. Use a torque wrench. Tighten it to 50 nm torque.

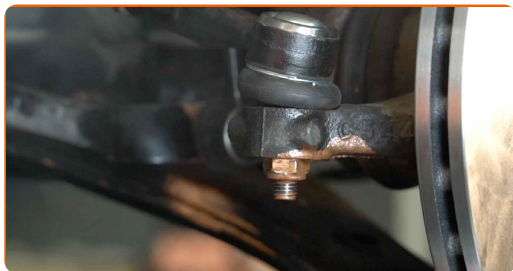


- 18** Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #17. Use a torque wrench. Tighten it to 44 nm torque.





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



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



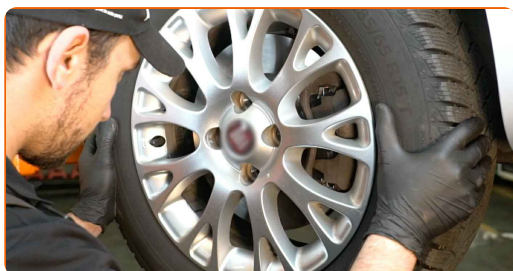
**21** Clean the brake disk surface. Use a brake cleaner.



**Replacement: track rod end – FIAT PUNTO (199). Tip:**

- After applying the spray, wait a few minutes.

**22** Install the wheel.

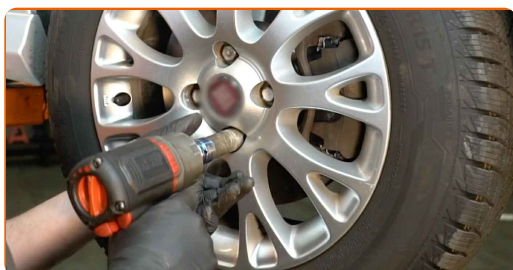


**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. FIAT PUNTO (199)

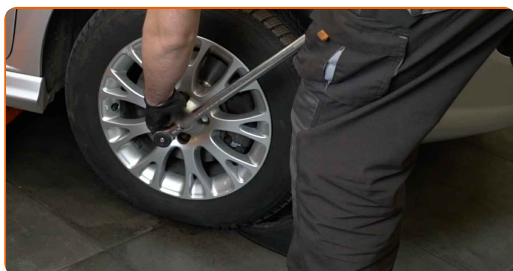
**23**

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



**24**

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 120 nm torque.

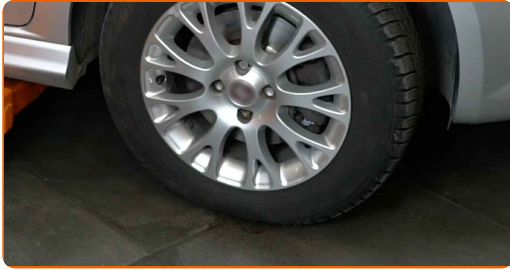


**Replacement: track rod end – FIAT PUNTO (199). Tip from AUTODOC experts:**

- Check and adjust wheel alignment if necessary.

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Remove the jacks and chocks.



**WELL DONE!** 

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**TRACK ROD END: A WIDE SELECTION**

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