



How to change track rod  
end on **Renault Clio 3** –  
replacement guide

## VIDEO TUTORIAL

** Important!**

This replacement procedure can be used for:

RENAULT Clío I Hatchback 1.9 D, RENAULT Clío I Hatchback 1.2, RENAULT Clío I Hatchback 1.4, RENAULT Clío I Hatchback 1.8 16V, RENAULT Clío I Hatchback 1.8, RENAULT Twingo I Hatchback 1.2, RENAULT Kangoo I Express (FC) 1.5 dCi, RENAULT Kangoo I Express (FC) 1.6 16V bivalent, RENAULT Clío I Hatchback 1.8 Rsi, RENAULT Clío I Hatchback 2.0 Williams, RENAULT Megane I Hatchback (BA) 1.4 e, RENAULT Megane I Hatchback (BA) 1.6 e, RENAULT Megane I Hatchback (BA) 2.0 i, RENAULT Megane I Hatchback (BA) 1.9 D Eco, RENAULT Modus / Grand Modus (F, JP) 1.5 dCi 75, (+ 199)

The steps may slightly vary depending on the car design.

REPLACEMENT: TRACK ROD END – RENAULT CLIO 3.  
 TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #13
- Combination spanner #21
- Drive socket # 16
- Drive socket # 17
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Ball joint puller
- Vernier caliper
- Wheel chock

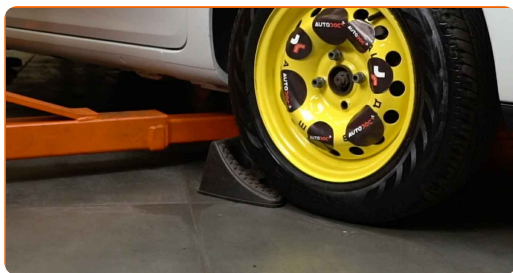
**BUY TOOLS**

Replacement: track rod end – Renault Clio 3. Professionals recommend:

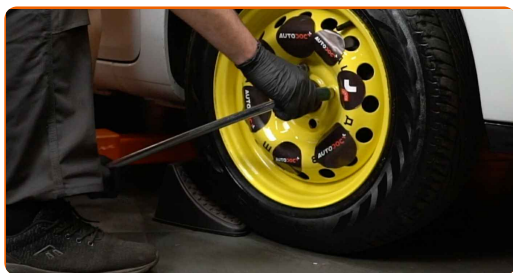
- Replace tie rod ends in pairs.
- The replacement procedure is identical for the right and left tie rod ends.
- All work should be done with the engine stopped.

**REPLACEMENT: TRACK ROD END – RENAULT CLIO 3. USE THE FOLLOWING PROCEDURE:**

**1** Secure the wheels with chocks.



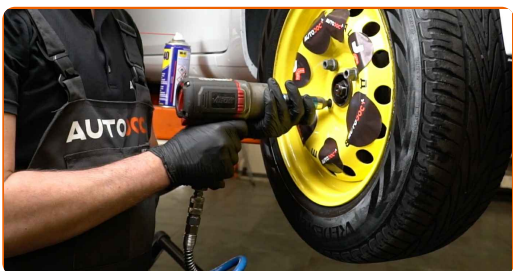
**2** Loosen the wheel mounting bolts. Use wheel impact socket #17.



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



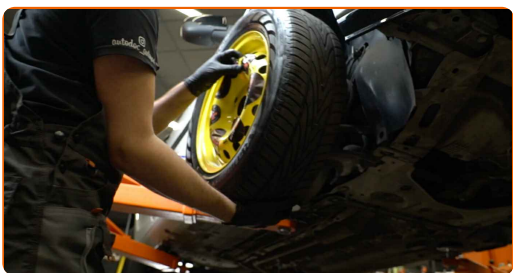
**4** Unscrew the wheel bolts.



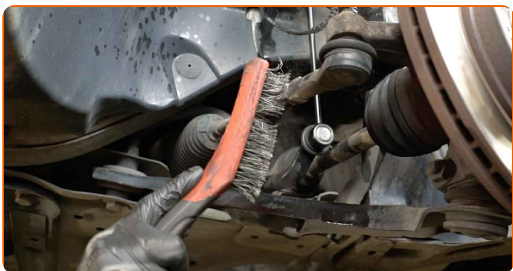
**Replacement: track rod end – Renault Clio 3. Tip:**

- To avoid injury, hold up the wheel when unscrewing the bolts.

**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.



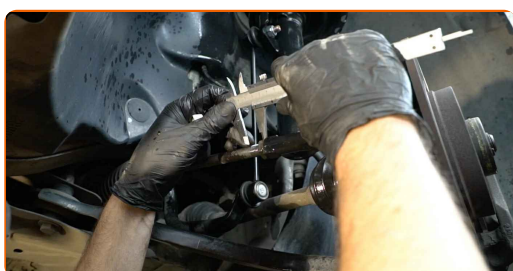
7

Unscrew the end fastening nut to the steering knuckle. Use a drive socket #16. Use a tap wrench.



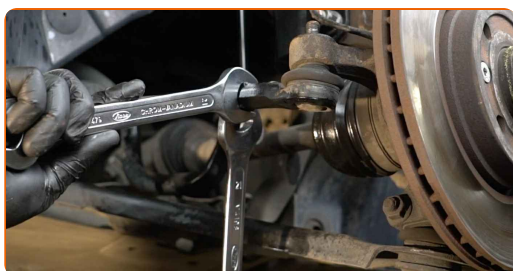
8

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 #21 (2 pieces).

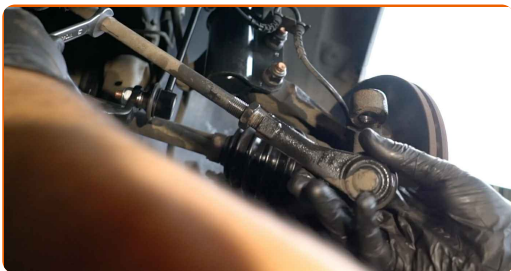


10

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



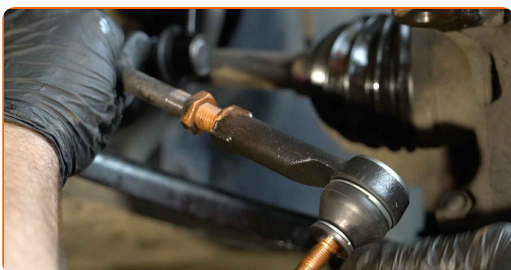
**11** Screw the end out of the tie rod. Use a combination spanner #13.



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



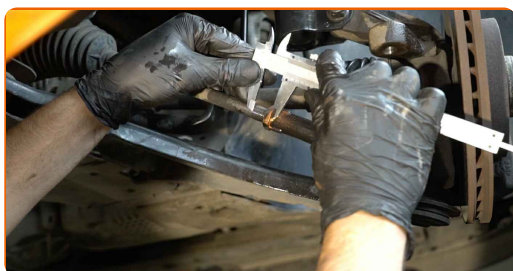
**13** Screw on a new tie rod end.



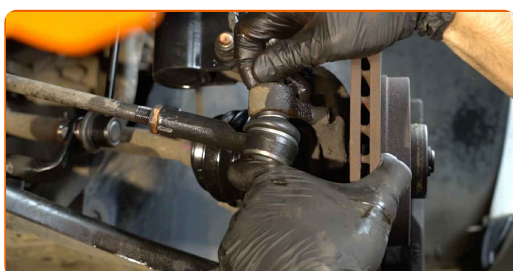
**Replacement: track rod end – Renault Clio 3. Tip from AUTODOC:**

- 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.

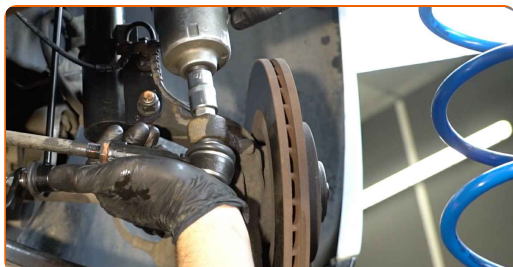
- 14** When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



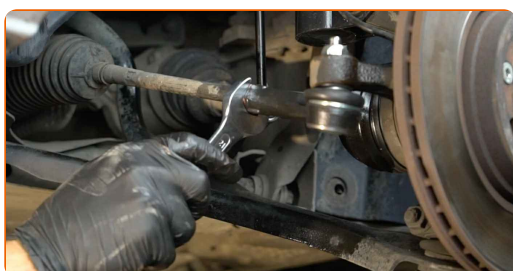
- 15** Connect the tie rod end to the steering knuckle.



- 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.

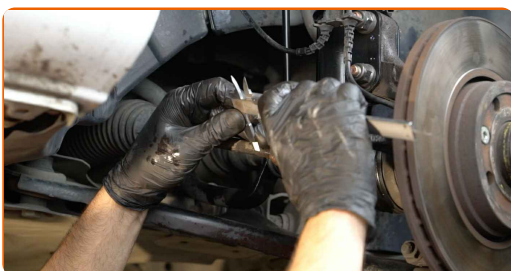


- 17** Screw on the tie rod end jam nut. Use a combination spanner #21 (2 pieces).





- 18** 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.



- 19** Tighten the tie rod end locknut. Use a combination spanner #21 (2 pieces). Use a torque wrench. Tighten it to 53 nm torque.



- 20** 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 35 nm torque.



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



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.

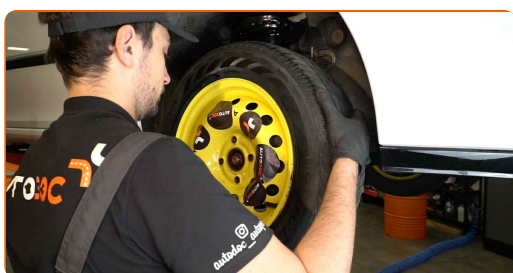


**AUTODOC recommends:**

- Replacement: track rod end – Renault Clio 3. After applying the spray, wait a few minutes.

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Install the wheel.



**Replacement: track rod end – Renault Clio 3. Tip from AUTODOC experts:**

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

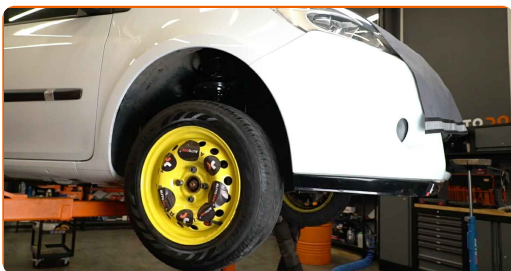
**25**

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



**26**

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 105 nm torque.

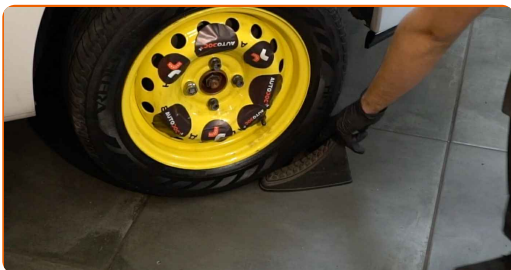


Replacement: track rod end – Renault Clio 3. AUTODOC experts recommend:

- Check and adjust wheel alignment if necessary.

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Remove the jacks and chocks.



**WELL DONE!** 

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