



How to change track rod
end on **Toyota Yaris P1** –
replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

TOYOTA COROLLA Saloon (E15_) 1.8 4WD, TOYOTA COROLLA Saloon (E15_) 1.5 4WD, TOYOTA Yaris Hatchback (_P1_) 1.0 (SCP10_), TOYOTA Yaris Verso (_P2_) 1.3, TOYOTA Yaris Verso (_P2_) 1.5, TOYOTA Yaris Hatchback (_P1_) 1.5 (NCP13_), TOYOTA Yaris Hatchback (_P1_) 1.4 D-4D (NLP10_), TOYOTA Yaris Verso (_P2_) 1.4 D-4D, TOYOTA Yaris Hatchback (_P1_) 1.3 (SCP12_), TOYOTA Echo Saloon (_P1_) 1.5 (NCP12_), TOYOTA Yaris Verso (_P2_) 1.5 4WD (NCP21_), TOYOTA Yaris Verso (_P2_) 1.5 (NCP21), TOYOTA Yaris Hatchback (_P1_) 1.3 4WD (NCP15)

The steps may slightly vary depending on the car design.

**REPLACEMENT: TRACK ROD END – TOYOTA YARIS P1.
TOOLS YOU NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Drive socket # 19
- Drive socket # 22
- Combination spanner #19
- Wheel impact socket #21
- Ratchet wrench
- Torque wrench
- Ball joint puller
- Vernier caliper
- Nippers
- Wheel chock

BUY TOOLS

Replacement: track rod end – Toyota Yaris P1. 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 – TOYOTA YARIS P1. TAKE THE FOLLOWING STEPS:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #21.



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



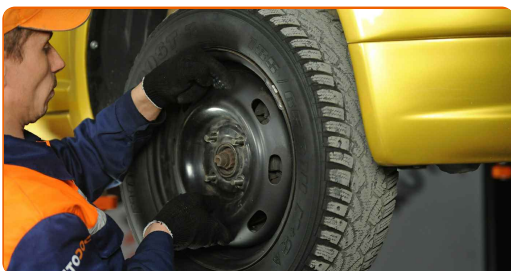
4 Unscrew the wheel bolts.



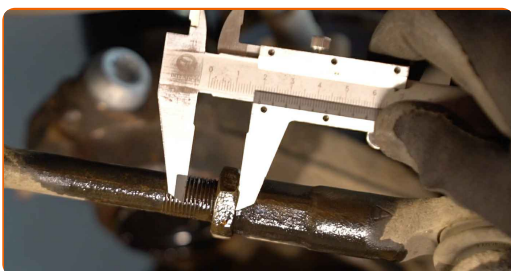
Replacement: track rod end – Toyota Yaris P1. Professionals recommend:

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

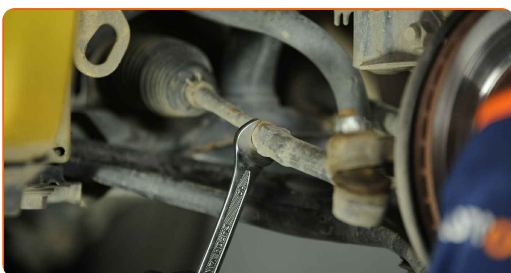
5 Remove the wheel.



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.

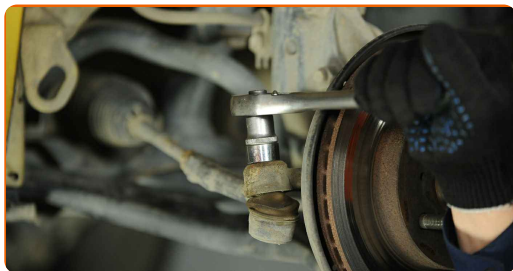


7 Loosen the lock nut securing the tie rod end to the tie rod. Use a combination spanner #19.

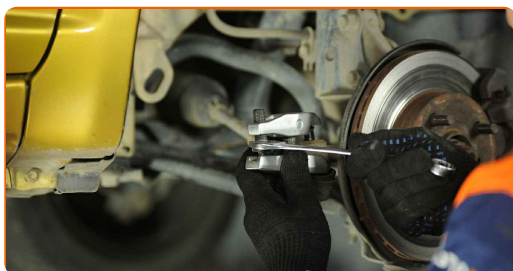


8 Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.

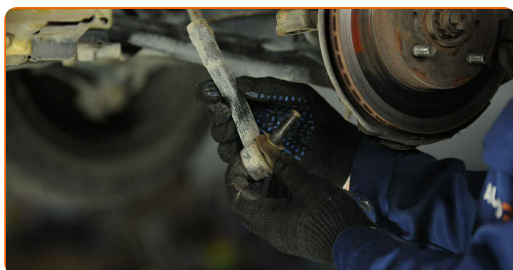
9 Unscrew the end fastening nut to the steering knuckle. Use a drive socket #22. Use a ratchet wrench.



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

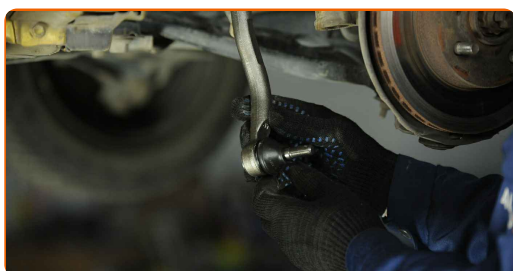


11 Screw the end out of the tie rod.



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.

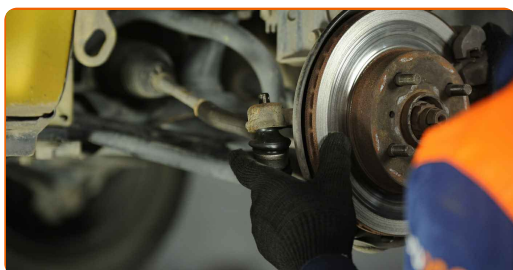


Replacement: track rod end – Toyota Yaris P1. Tip from AUTODOC:

- 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.

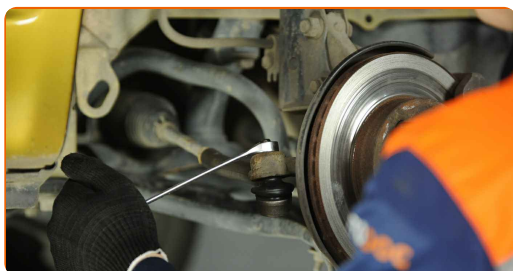
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Connect the tie rod end to the steering knuckle.



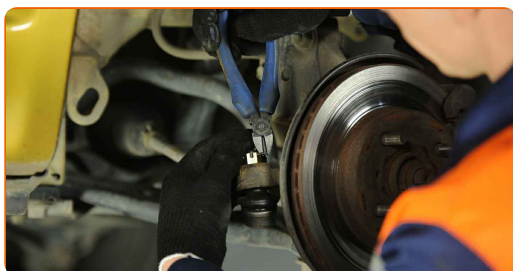
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Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #19. Use a torque wrench. Tighten it to 49 nm torque.

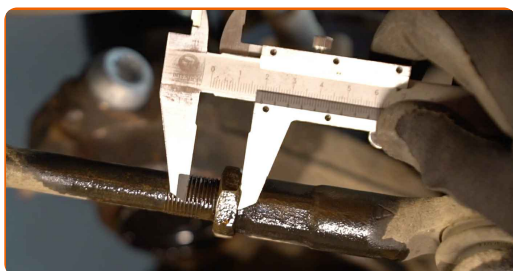


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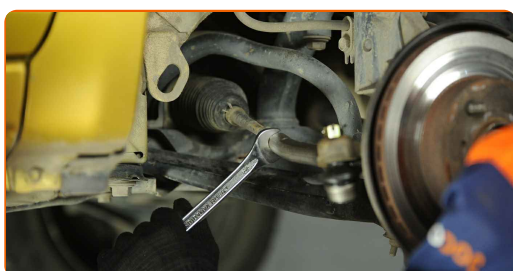
Install the cotter pin fixing the tie rod end fastening. Use nippers.



- 17 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.

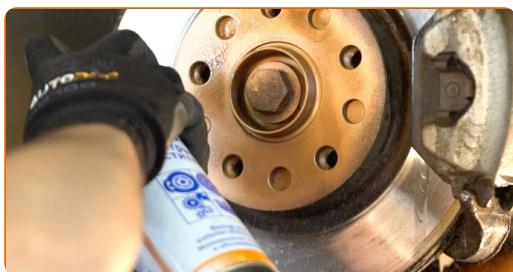


- 18 Tighten the tie rod end locknut Use a combination spanner #19. Use a torque wrench. Tighten it to 55 nm torque.



- 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.

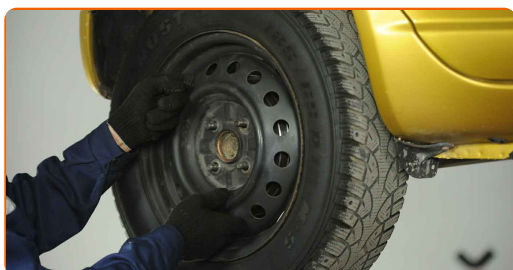


AUTODOC recommends:

- Replacement: track rod end – Toyota Yaris P1. After applying the spray, wait a few minutes.

22

Install the wheel.

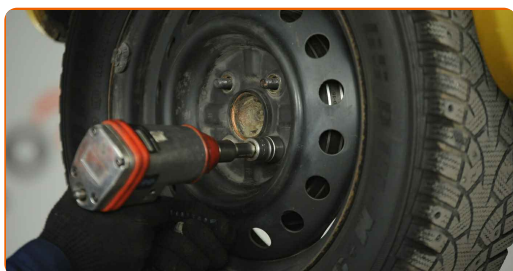


Replacement: track rod end – Toyota Yaris P1. AUTODOC recommends:

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

23

Screw in the wheel bolts. Use wheel impact socket #21.



24

Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #21. Use a torque wrench. Tighten it to 103 nm torque.



Replacement: track rod end – Toyota Yaris P1. 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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