



How to change track rod  
end on **TOYOTA Auris**  
**Hatchback (E18)** –  
replacement guide

### SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

#### **Important!**

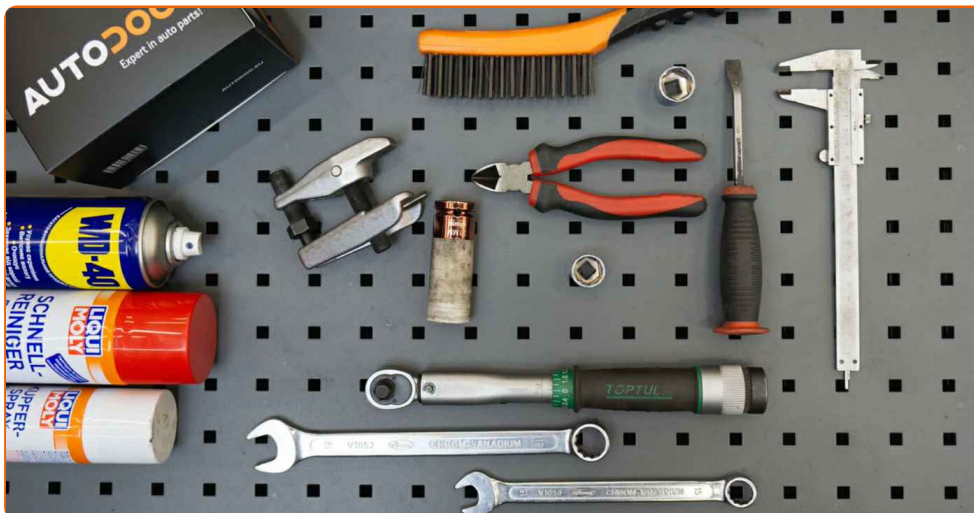
This replacement procedure can be used for:

TOYOTA Auris Hatchback (E18) 1.8 (ZRE186\_), TOYOTA Auris Hatchback (E18) 1.5 4WD (NZE184\_), TOYOTA Auris Hatchback (E18) 1.4 D-4D (NDE180\_), TOYOTA Auris Hatchback (E18) 1.6 (ZRE181\_, ZRE185\_), TOYOTA Auris Hatchback (E18) 2.0 D-4D (ADE186\_), TOYOTA Auris Hatchback (E18) 1.3 (NRE180\_), TOYOTA Auris Hatchback (E18) 1.8 Hybrid (ZWE186\_), TOYOTA Auris Hatchback (E18) 1.5 (NZE181\_), TOYOTA Auris Hatchback (E18) 1.8, TOYOTA Auris Hatchback (E18) 1.2 (NRE185\_), TOYOTA Auris Hatchback (E18) 1.6 D4-D (WWE185\_), TOYOTA Auris Hatchback (E18) 1.8 (ZRE186)

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: TOYOTA Auris Hatchback (E15) 1.8 Hybrid (ZWE150\_)

**REPLACEMENT: TRACK ROD END – TOYOTA AURIS HATCHBACK (E18). TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #15
- Combination spanner #19
- Drive socket # 17
- Drive socket # 19
- Wheel impact socket #21
- Torque wrench
- Tap wrench
- Nippers
- Vernier caliper
- Crow bar
- Ball joint puller
- Wheel chock

**Buy tools**

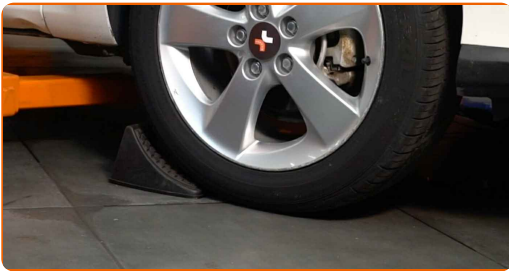
Replacement: track rod end – TOYOTA Auris Hatchback (E18). AUTODOC recommends:

- 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 AURIS HATCHBACK (E18). RECOMMENDED SEQUENCE OF STEPS:

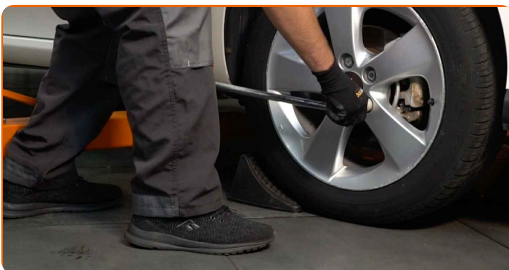
1

Secure the wheels with chocks.



2

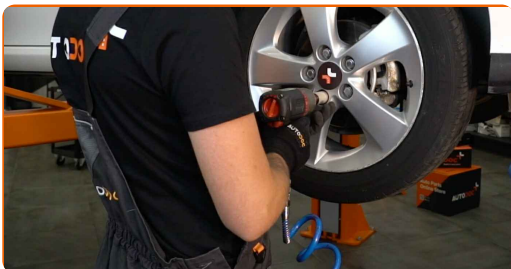
Loosen the wheel mounting bolts. Use wheel impact socket #21.



3

Raise the front of the car and secure on supports.

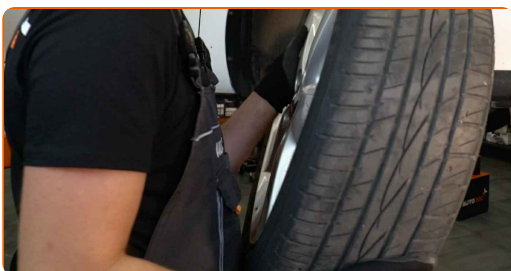
**4** Unscrew the wheel bolts.



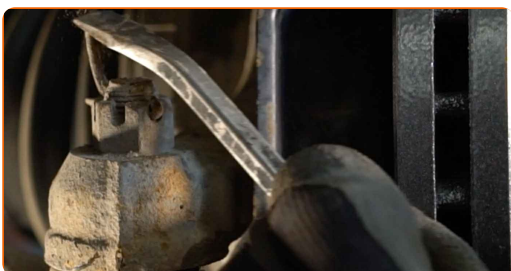
Replacement: track rod end – TOYOTA Auris Hatchback (E18). Tip from AUTODOC:

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

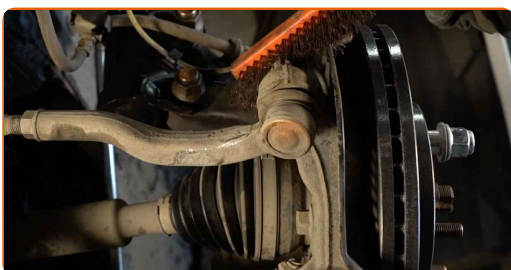
**5** Remove the wheel.



**6** Remove the cotter pin. Use a crowbar. Use nippers.



**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 #17. Use a tap wrench.



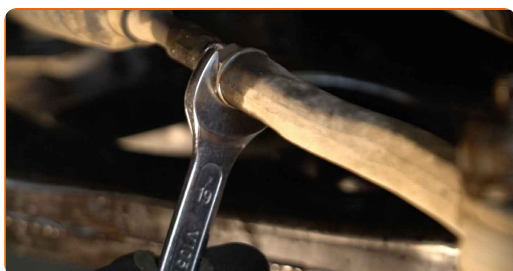
9

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.



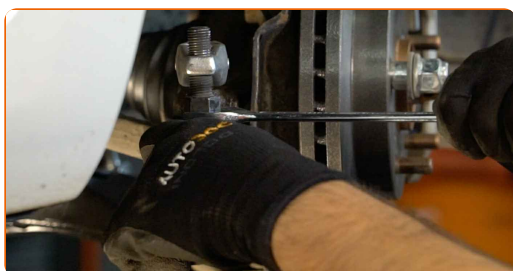
10

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

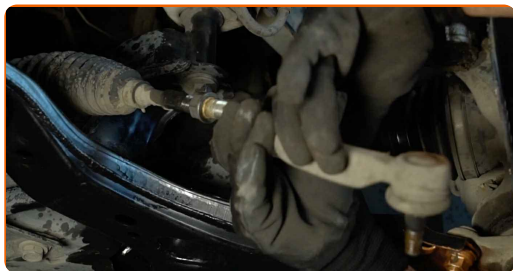


11

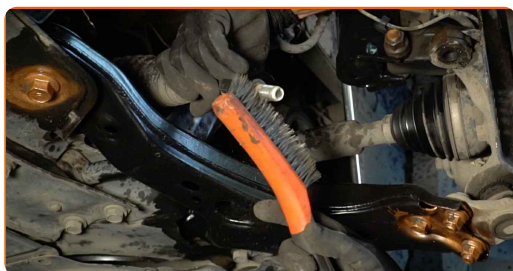
Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.



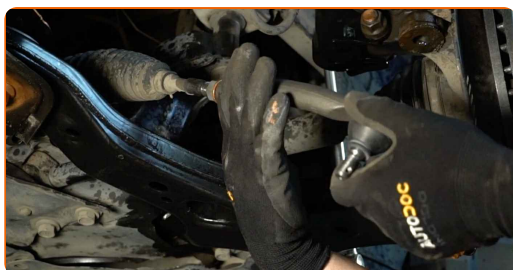
**12** Screw the end out of the tie rod.



**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. Use a combination spanner #19.



Replacement: track rod end – TOYOTA Auris Hatchback (E18). 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.



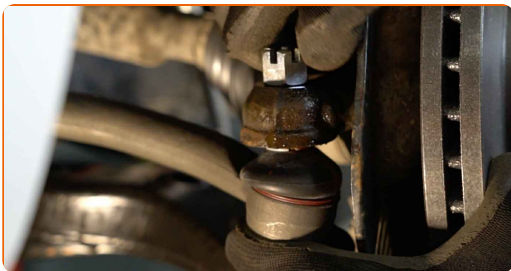
**15** Screw on the tie rod end jam nut. Use a combination spanner #19.



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



**18** 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.





**19** Install the cotter pin. Use a crowbar.



**20** Tighten the tie rod end locknut. Use a combination spanner #15. Use a combination spanner #19. Use a torque wrench. Tighten it to 74 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.



Replacement: track rod end – TOYOTA Auris Hatchback (E18). AUTODOC recommends:

- After applying the spray, wait a few minutes.

24

Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. TOYOTA Auris Hatchback (E18)

25

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



- 26** 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 Auris Hatchback (E18). Professionals recommend:

- Check and adjust wheel alignment if necessary.

- 27** Remove the jacks and chocks.



**WELL DONE!** 

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**TRACK ROD END: A WIDE SELECTION**

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