



How to change track rod
end on **TOYOTA Corolla**
X Saloon (E150) –
replacement guide

SIMILAR VIDEO TUTORIAL



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

Important!

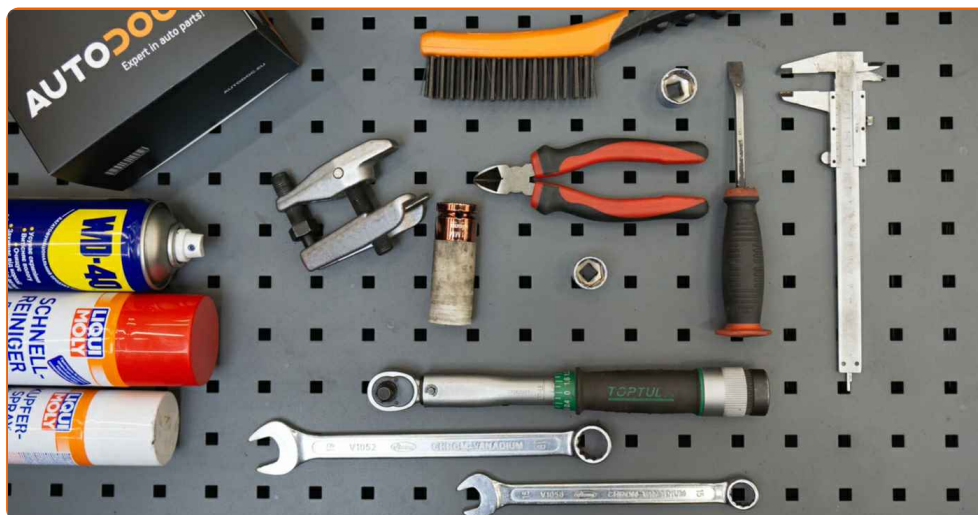
This replacement procedure can be used for:

TOYOTA Corolla X Saloon (E150) 1.4 VVT-i, TOYOTA Corolla X Saloon (E150) 2.0 D-4D, TOYOTA Corolla X Saloon (E150) 1.6 Dual VVTi (ZRE141), TOYOTA Corolla X Saloon (E150) 1.33, TOYOTA Corolla X Saloon (E150) 1.6, TOYOTA Corolla X Saloon (E150) 1.4 D-4D, TOYOTA Corolla X Saloon (E150) 1.6 VVTi (ZRE151)

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 COROLLA X SALOON (E150). 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

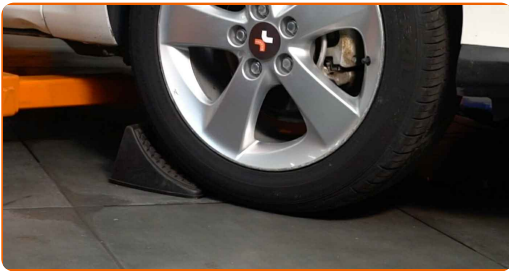
Replacement: track rod end – TOYOTA Corolla X Saloon (E150). AUTODOC recommends:

- 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 COROLLA X SALOON (E150). RECOMMENDED SEQUENCE OF STEPS:

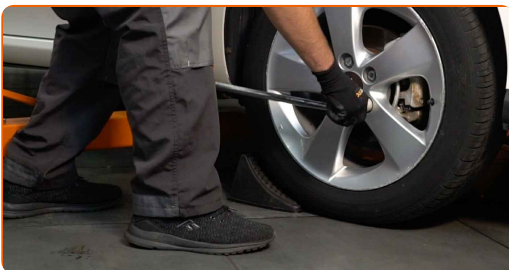
1

Secure the wheels with chocks.



2

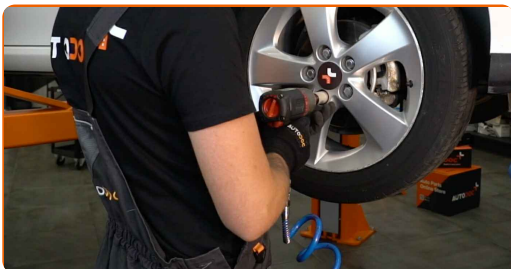
Loosen the wheel mounting bolts. Use wheel impact socket #21.



3

Raise the front of the car and secure on supports.

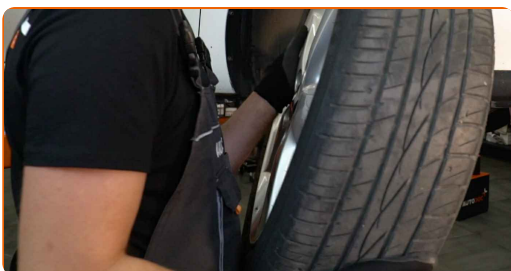
4 Unscrew the wheel bolts.



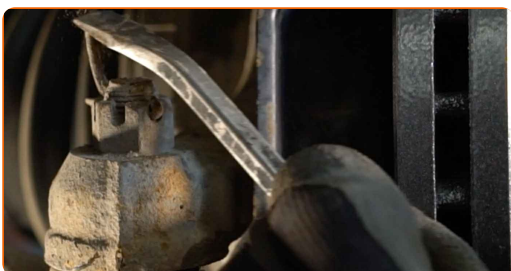
Replacement: track rod end – TOYOTA Corolla X Saloon (E150). Tip from AUTODOC:

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

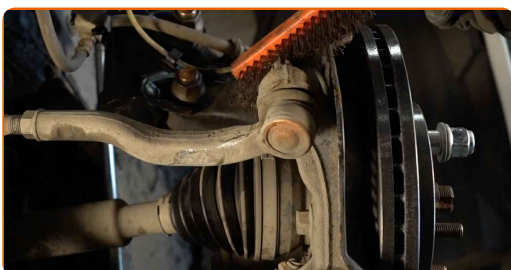
5 Remove the wheel.



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

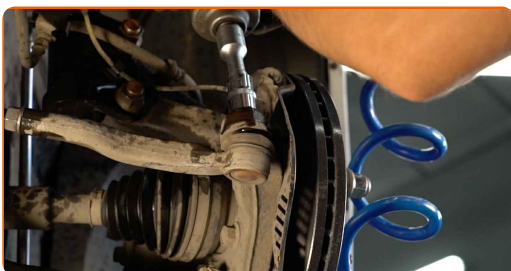


7 Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.



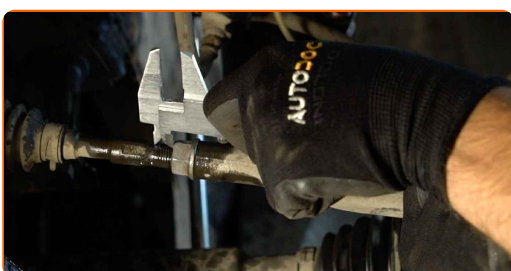
8

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



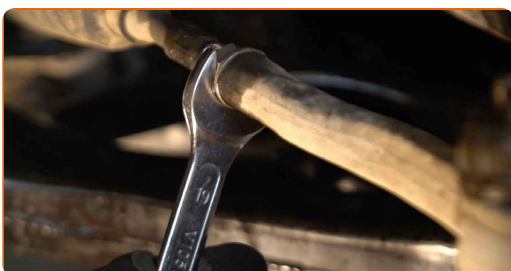
9

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.

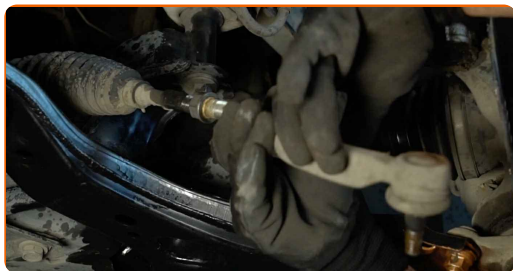


11

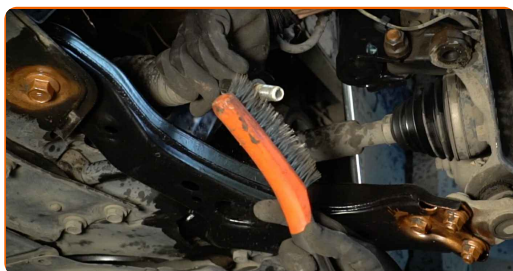
Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.



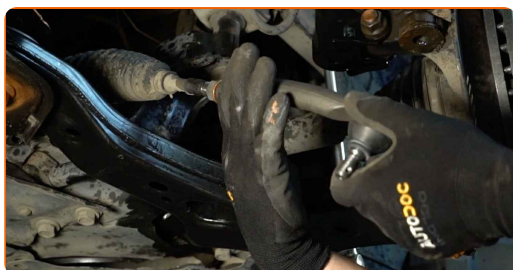
12 Screw the end out of the tie rod.



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



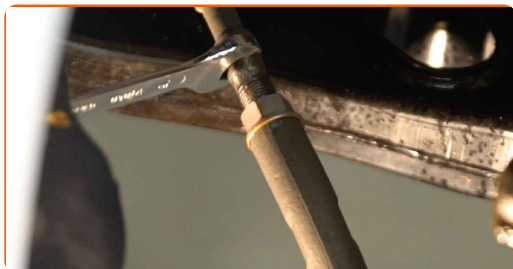
14 Screw on a new tie rod end. Use a combination spanner #19.



Replacement: track rod end – TOYOTA Corolla X Saloon (E150). 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.

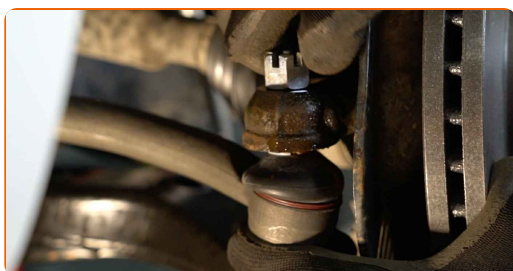
15 Screw on the tie rod end jam nut. Use a combination spanner #19.



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.



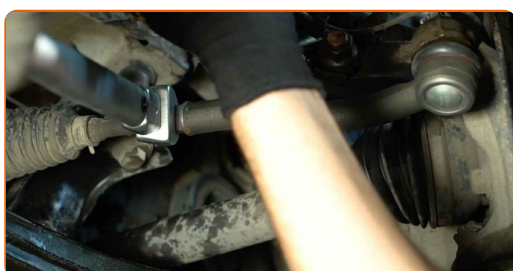
18 Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #19. Use a torque wrench. Tighten it to 49 nm torque.



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.

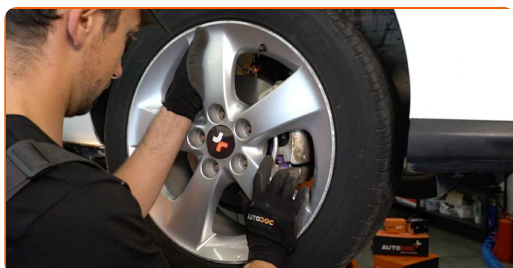


Replacement: track rod end – TOYOTA Corolla X Saloon (E150). AUTODOC recommends:

- 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 Corolla X Saloon (E150)

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 Corolla X Saloon (E150). Professionals recommend:

- Check and adjust wheel alignment if necessary.

- 27** Remove the jacks and chocks.



WELL DONE! 

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