



How to change track rod
end on **TOYOTA Echo**
Saloon (_P1_) –
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 Echo Saloon (_P1_) 1.5 (NCP12_)

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 Yaris Hatchback (_P1_) 1.3 (NCP10_, SCP12_)

REPLACEMENT: TRACK ROD END – TOYOTA ECHO SALOON (_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 Echo Saloon (_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 ECHO SALOON (_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 Echo Saloon (_P1_). Professionals recommend:

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

5

Remove the wheel.



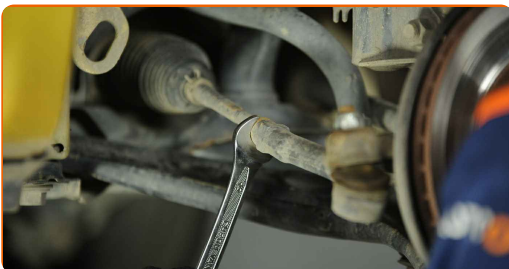
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When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward.



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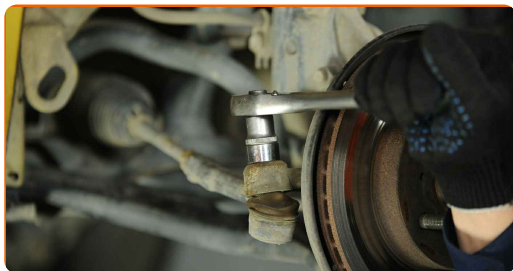
Loosen the lock nut securing the tie rod end to the tie rod. Use a combination spanner #19.



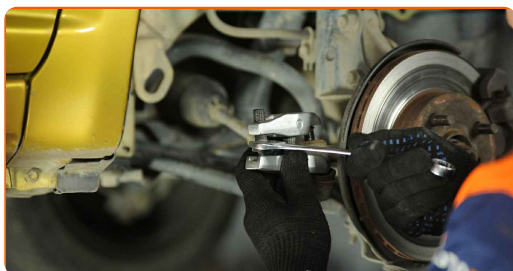
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Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.

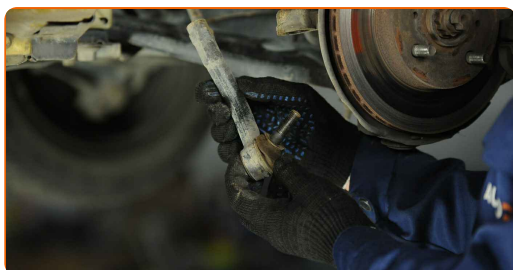
9 Unscrew the end fastening nut to the steering knuckle. Use a drive socket #22. Use a ratchet wrench.



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

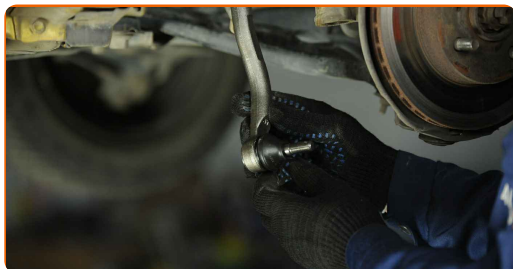


11 Screw the end out of the tie rod.



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.

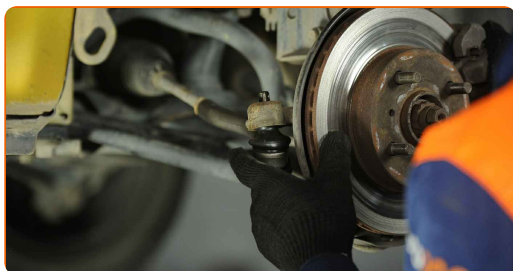


Replacement: track rod end – TOYOTA Echo Saloon (_P1_). Tip from AUTODOC:

- 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.

14

Connect the tie rod end to the steering knuckle.



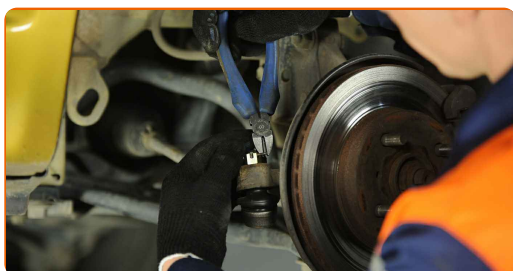
15

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.

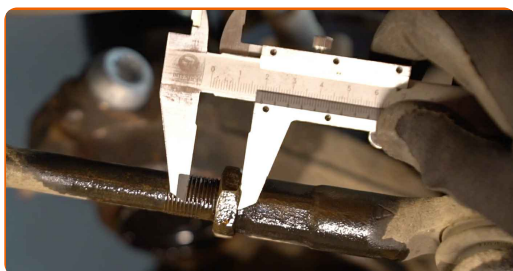


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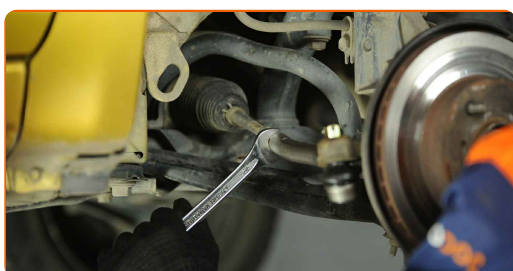
Install the cotter pin fixing the tie rod end fastening. Use nippers.



- 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.

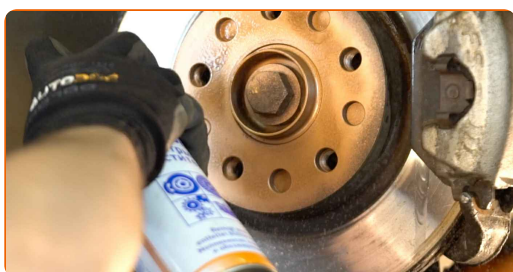


- 18 Tighten the tie rod end locknut Use a combination spanner #19. Use a torque wrench. Tighten it to 55 nm torque.



- 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.

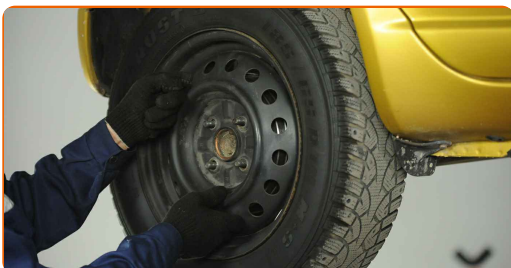


AUTODOC recommends:

- Replacement: track rod end – TOYOTA Echo Saloon (_P1_). After applying the spray, wait a few minutes.

22

Install the wheel.

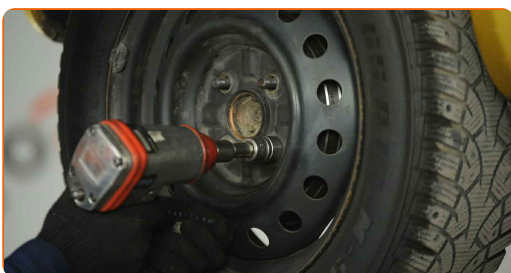


Replacement: track rod end – TOYOTA Echo Saloon (_P1_). AUTODOC recommends:

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

23

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



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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 Echo Saloon (_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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TRACK ROD END: A WIDE SELECTION

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