



How to change track rod
end on **Nissan X Trail**
T30 – replacement guide

VIDEO TUTORIAL



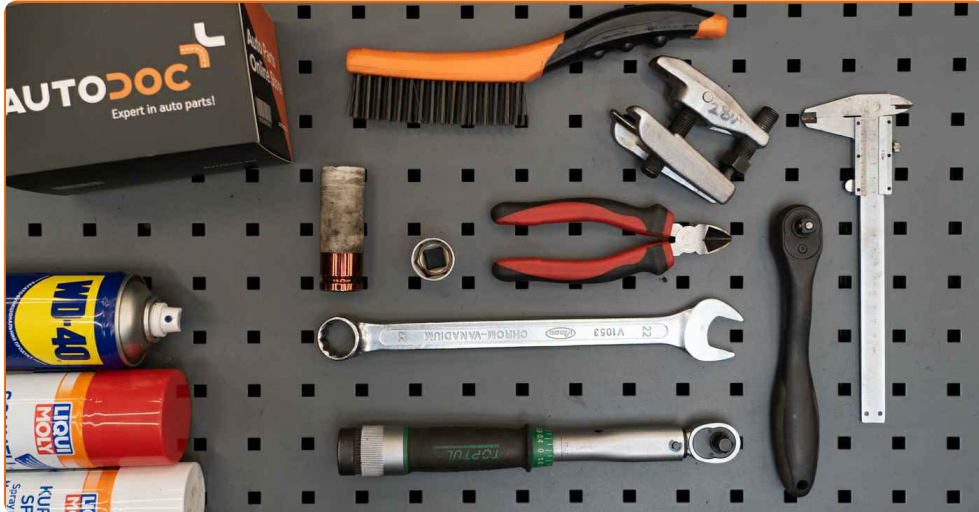
i Important!

This replacement procedure can be used for:

NISSAN NP300 Pickup (D22) 2.5 dCi 4x4, NISSAN Pathfinder II (R50) 3.3 V6 4WD, NISSAN Pathfinder II (R50) 2.7 TD 4WD, NISSAN Pathfinder II (R50) 3.2 TD 4WD, NISSAN PICK UP (D22) 2.4 i 4WD, NISSAN PICK UP (D22) 2.5 D, NISSAN PICK UP (D22) 2.5 TD 4WD, NISSAN PICK UP (D22) 2.5 D 4WD, NISSAN NP300 Pickup (D22) 2.5 dCi, NISSAN X-TRAIL (T30) 2.5 FWD, NISSAN Pathfinder II (R50) 3.5 V6 4WD, NISSAN X-TRAIL (T30) 2.0 4x4, NISSAN X-TRAIL (T30) 2.2 Di 4x4, NISSAN PICK UP (D22) 3.2 D 4WD, NISSAN X-TRAIL (T30) 2.5 4x4, (+ 28)

The steps may slightly vary depending on the car design.

REPLACEMENT: TRACK ROD END – NISSAN X TRAIL T30. LIST OF THE TOOLS YOU'LL NEED:



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

BUY TOOLS

Replacement: track rod end – Nissan X Trail T30. 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 – NISSAN X TRAIL T30. TAKE THE FOLLOWING STEPS:

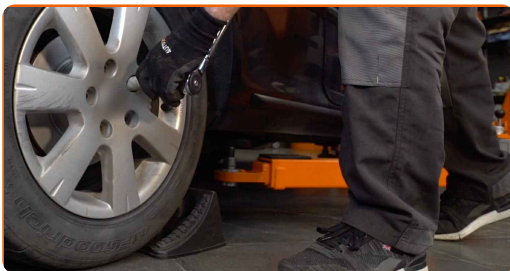
1

Secure the wheels with chocks.



2

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

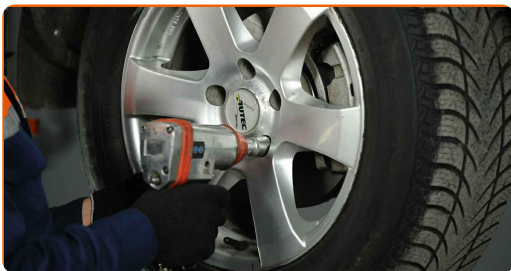


3

Raise the front of the car and secure on supports.

4

Unscrew the wheel bolts.



Replacement: track rod end – Nissan X Trail T30. Tip:

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

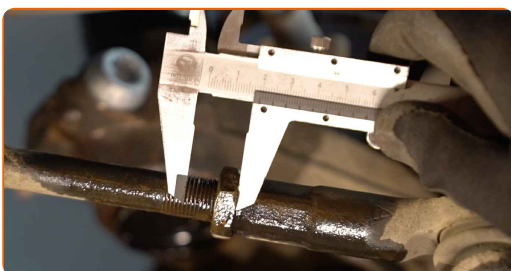
5

Remove the wheel.



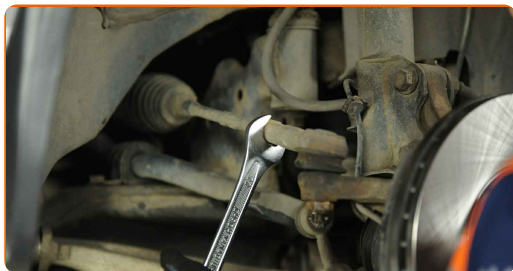
6

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. Use a vernier caliper.



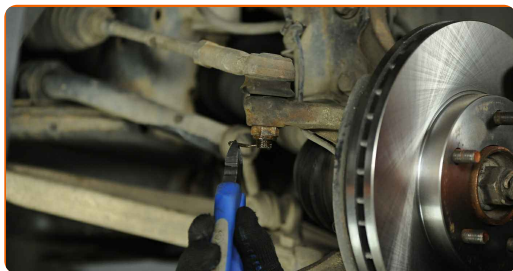
7

Loosen the lock nut securing the tie rod end to the tie rod. Use a combination spanner #22.



8

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

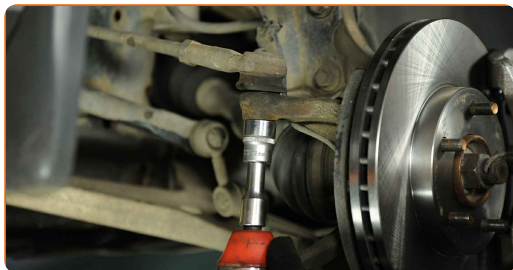


9

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

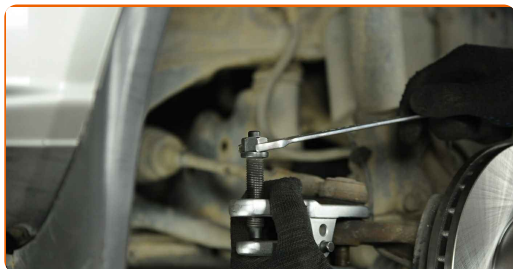
10

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



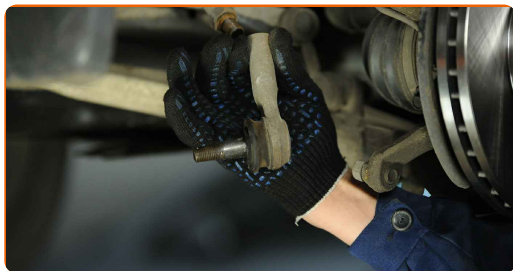
11

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



12

Screw the end out of the tie rod.

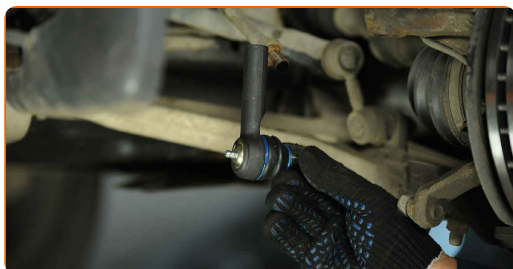


13

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.

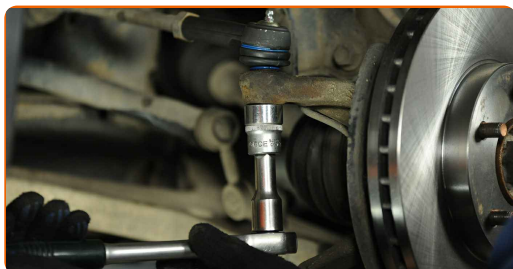


Replacement: track rod end – Nissan X Trail T30. AUTODOC experts recommend:

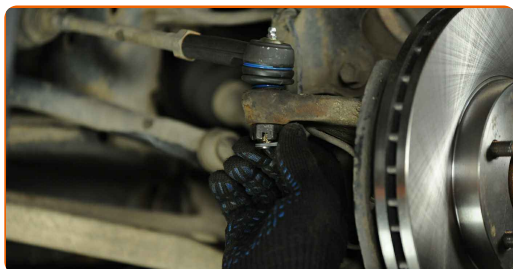
- While installing the steering rod end remember to make the same number of turns or to leave the same length of thread showing as per your measurements.

15

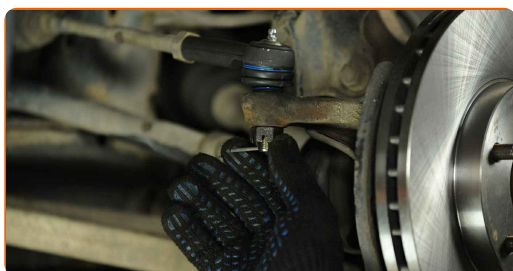
Connect the tie rod end to the steering knuckle.



- 16 Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #22. Use a torque wrench. Tighten it to 50 nm torque.

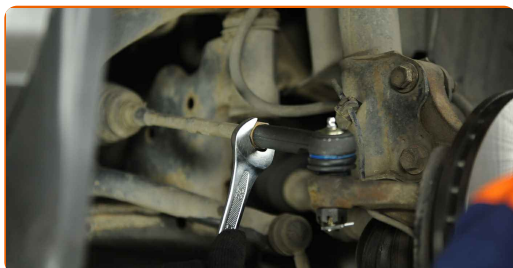


- 17 Install the cotter pin fixing the tie rod end fastening.

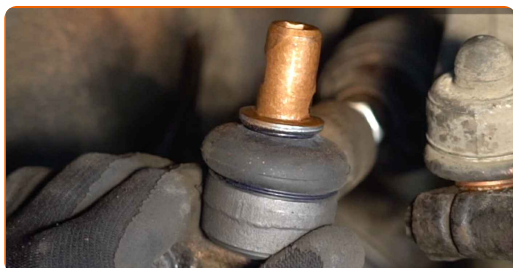


- 18 When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.

- 19 Tighten the tie rod end locknut Use a combination spanner #22. Use a torque wrench. Tighten it to 80 nm torque.

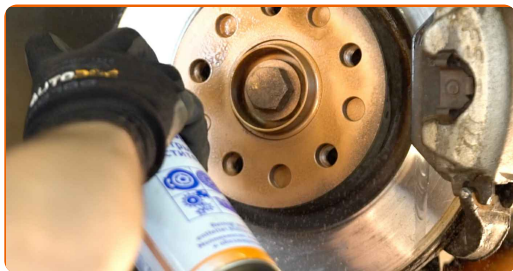


- 20 Treat the fastener connecting the tie rod end to the steering knuckle. Use copper grease.



21

Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



22

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: track rod end – Nissan X Trail T30. After applying the spray, wait a few minutes.

23

Install the wheel.



Replacement: track rod end – Nissan X Trail T30. Tip from AUTODOC:

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

24

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



25

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 108 nm torque.



Replacement: track rod end – Nissan X Trail T30. Tip from AUTODOC experts:

- Check and adjust wheel alignment if necessary.

26

Remove the jacks and chocks.

WELL DONE! 

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