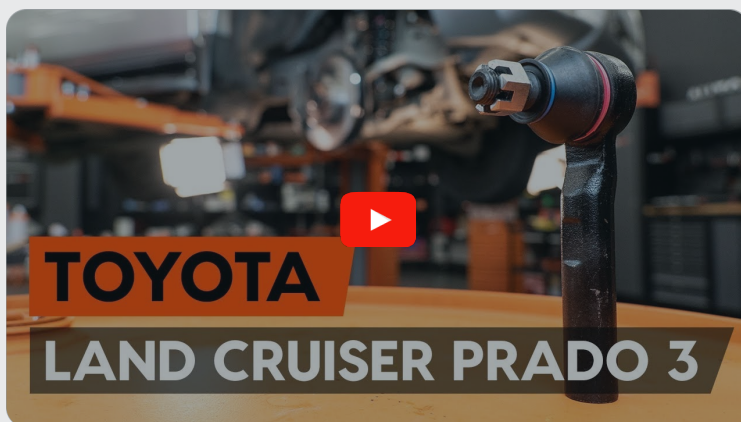




How to change track rod
end on **Toyota Prado**
J120 – replacement guide

VIDEO TUTORIAL

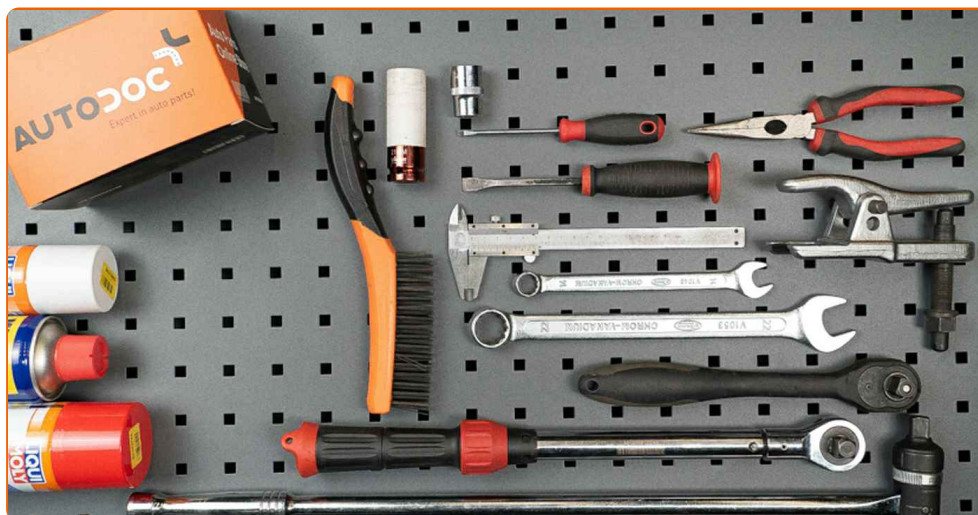
** Important!**

This replacement procedure can be used for:

TOYOTA Land Cruiser Prado 120 (J120) 4.0, TOYOTA Land Cruiser Prado 120 (J120) 3.0 D, TOYOTA Land Cruiser Prado 120 (J120) 3.0 D-4D, TOYOTA Land Cruiser Prado 120 (J120) 4.0 (GRJ12), TOYOTA Land Cruiser Prado 120 (J120) 4.0 V6 VVT-i (GRJ125)

The steps may slightly vary depending on the car design.

REPLACEMENT: TRACK ROD END – TOYOTA PRADO
J120. TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Combination spanner #14
- Combination spanner #22
- Drive socket # 19
- Wheel impact socket #21
- Torque wrench
- Ball joint puller
- Tap wrench
- Flat Screwdriver
- Round-nose pliers
- Vernier caliper
- Crow bar
- Wheel chock

BUY TOOLS

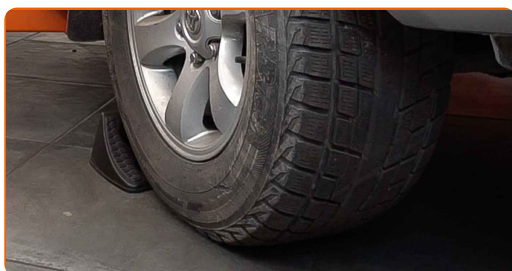
Replacement: track rod end – Toyota Prado J120. AUTODOC recommends:

- Replace tie rod ends in pairs.
- The replacement procedure is identical for the right and left tie rod ends.
- During the installation process, use only new bolts and nuts.
- Please note: all work on the car – Toyota Prado J120 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

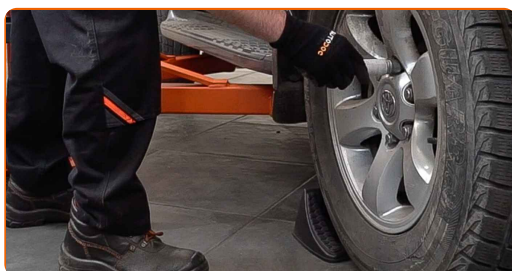
1

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.



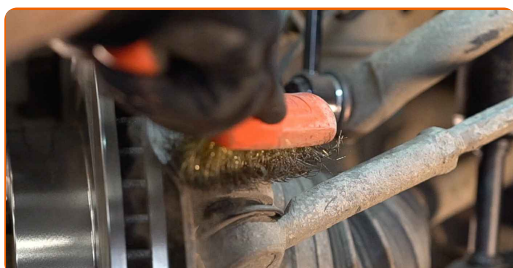
Replacement: track rod end – Toyota Prado J120. AUTODOC experts recommend:

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

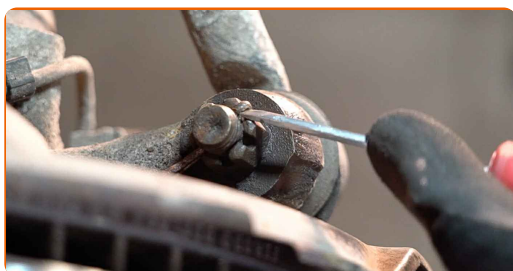
5 Remove the wheel.



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



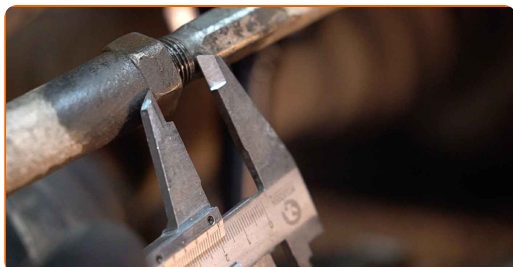
- 7** Remove the cotter pin fixing the tie rod end fastening. Use a flat screwdriver. Use round-nose pliers. Use a crowbar.



- 8** Unscrew the end fastening nut to the steering knuckle. Use a drive socket #19. 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.

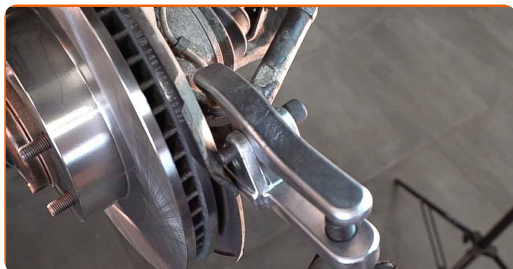


- 10** Loosen the lock nut securing the tie rod end to the tie rod. Use a combination spanner #14. Use a combination spanner #22.



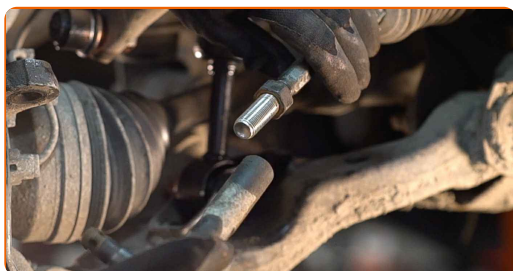
11

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



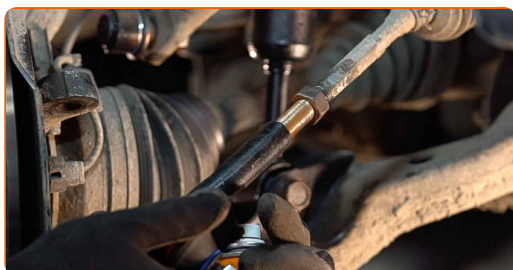
12

Screw the end out of the tie rod.



13

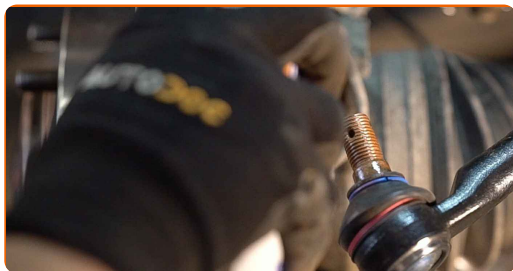
Screw on a new tie rod end.



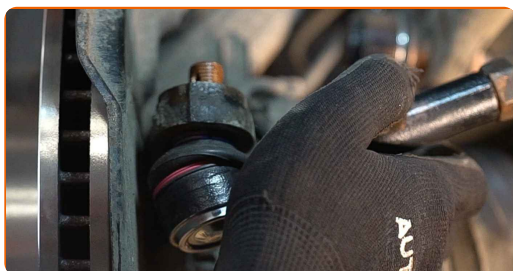
Replacement: track rod end – Toyota Prado J120. Professionals recommend:

- 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.

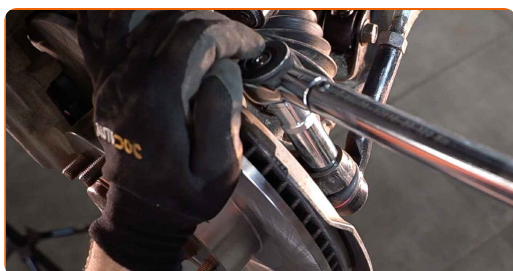
14 Treat the threaded part of the tie rod. Use copper grease.



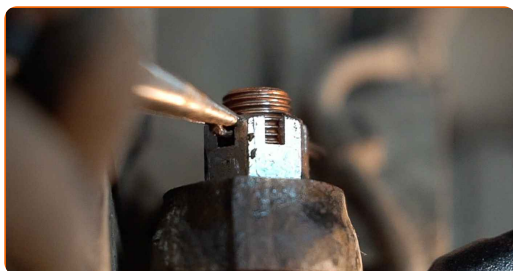
15 Connect the tie rod end to the steering knuckle.



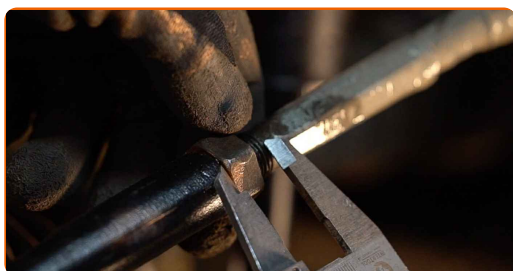
16 Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #19. Use a torque wrench. Tighten it to 91 nm torque.



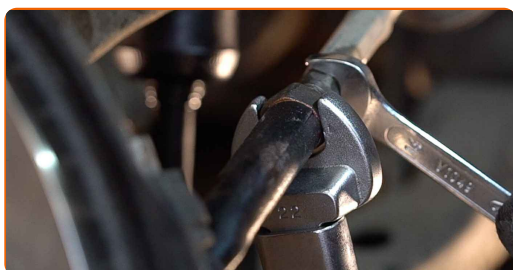
17 Install the cotter pin fixing the tie rod end fastening. Use round-nose pliers.



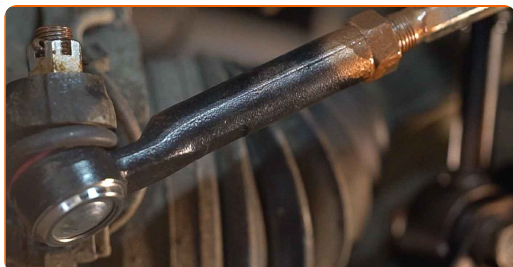
- 18 When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



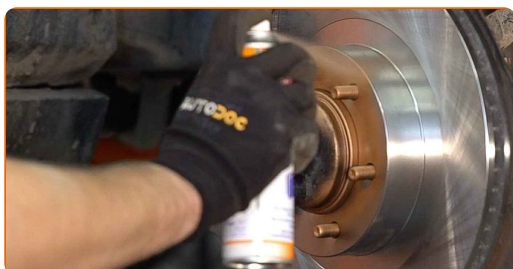
- 19 Tighten the tie rod end locknut. Use a combination spanner #14. Use a combination spanner #22. Use a torque wrench. Tighten it to 88 nm torque.



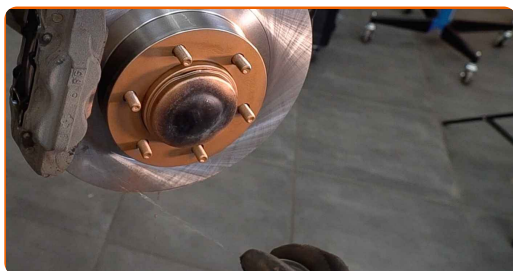
- 20 Treat the fastener connecting the tie rod end to the steering knuckle. Use copper grease.



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



22 Clean the wheel rim mounting seat. Use a brake cleaner.



AUTODOC recommends:

- Replacement: track rod end – Toyota Prado J120. After applying the spray, wait a few minutes.

23 Install the wheel.



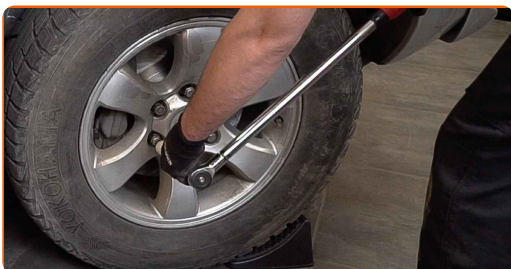
Replacement: track rod end – Toyota Prado J120. Tip from AUTODOC:

- 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 a torque wrench. Tighten it to 112 nm torque.



Replacement: track rod end – Toyota Prado J120. Tip:

- Check and adjust wheel alignment if necessary.

- 26** Remove the jacks and chocks.



WELL DONE! 

VIEW MORE TUTORIALS

AUTODOC – TOP QUALITY AND AFFORDABLE CAR PARTS ONLINE

AUTODOC MOBILE APP: GREAT DEALS AND CONVENIENT SHOPPING



+ AUTODOC

GET IT ON
Google Play

Download on the
App Store

Download

A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR

BUY SPARE PARTS FOR TOYOTA

TRACK ROD END: A WIDE SELECTION

CHOOSE CAR PARTS FOR TOYOTA PRADO J120

TRACK ROD END FOR TOYOTA: BUY NOW

**TRACK ROD END FOR TOYOTA PRADO J120: THE BEST
DEALS & OFFERS**

DISCLAIMER:

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.

© Copyright 2022 – All the contents of this website, in particular texts, photographs and graphics, are protected by copyright. All rights, including reproduction, publication, editing and translation rights, are reserved by AUTODOC GmbH.