



How to change track rod
end on **BMW E92** –
replacement guide

VIDEO TUTORIAL



i Important!

This replacement procedure can be used for:

BMW 3 Touring (E91) 325i 3.0, BMW 3 Touring (E91) 318d 2.0, BMW 3 Saloon (E90) 318d 2.0, BMW 1 Coupe (E82) M, BMW 3 Touring (E91) 318i 2.0, BMW 3 Touring (E91) 316d 2.0, BMW Z4 Roadster (E89) sDrive 20 i, BMW Z4 Roadster (E89) sDrive 28 i, BMW X1 (E84) sDrive 20 i, BMW 1 Coupe (E82) 118d 2.0, BMW 3 Coupe (E92) 318i 2.0, BMW 3 Convertible (E93) 318i 2.0, BMW 3 Convertible (E93) 325d 3.0, BMW 1 Hatchback (E81) 116i 1.6, BMW 1 Hatchback (E81) 120d 2.0, (+ 109)

The steps may slightly vary depending on the car design.

REPLACEMENT: TRACK ROD END – BMW E92. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #17
- Drive socket # 17
- Drive socket # 21
- Torx bit T30
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Vernier caliper
- Wheel chock

BUY TOOLS

Replacement: track rod end – BMW E92. Tip from AUTODOC experts:

- 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 – BMW E92 – 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 #17.



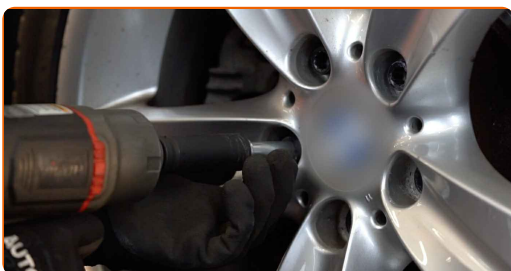
3

Raise the front of the car and secure on supports.



4

Unscrew the wheel bolts.



Replacement: track rod end – BMW E92. AUTODOC recommends:

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

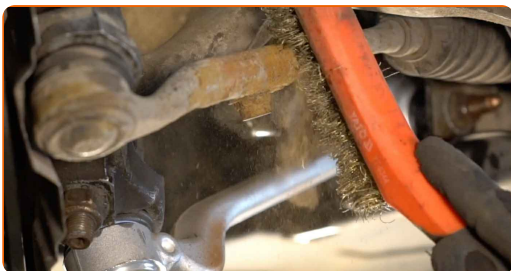
5

Remove the wheel.



6

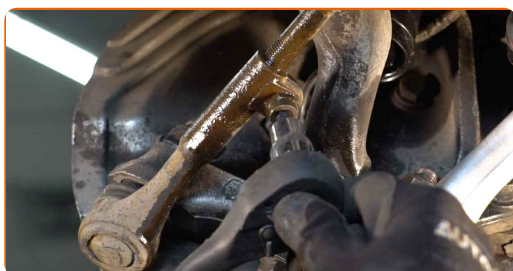
Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.



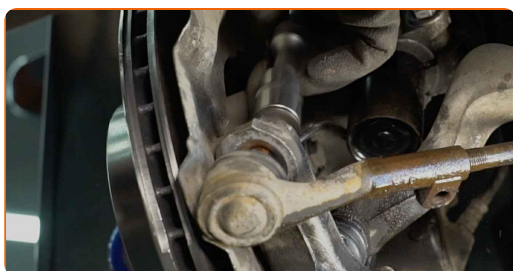
- 7 When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



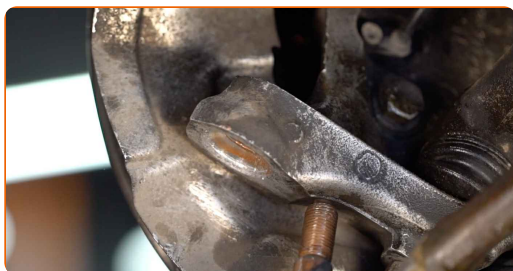
- 8 Unscrew the rod end fastening. Use Torx T30. Use a ratchet wrench.



- 9 Unscrew the end fastening nut to the steering knuckle. Use a drive socket #21. Use a tap wrench.

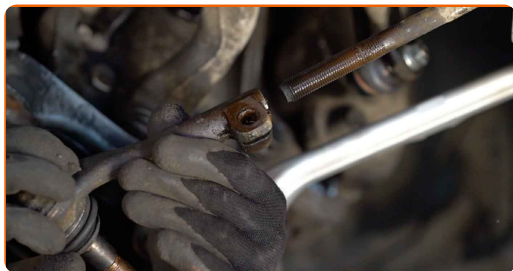


- 10 Disconnect the tie rod end from the steering knuckle.



11

Screw the end out of the tie rod. Use a combination spanner #17.



12

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



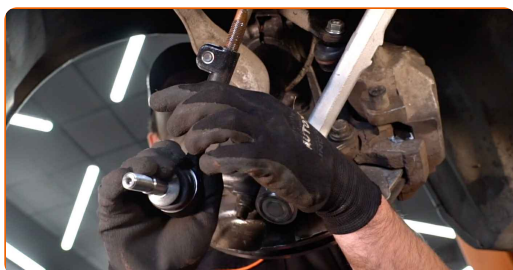
13

Treat the mounting seats of the tie rod end. Use copper grease.



14

Screw on a new tie rod end.



Replacement: track rod end – BMW E92. Tip:

- 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.

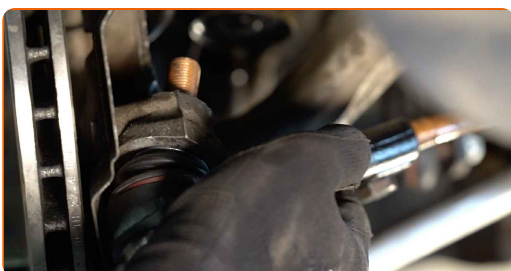
- 15 When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



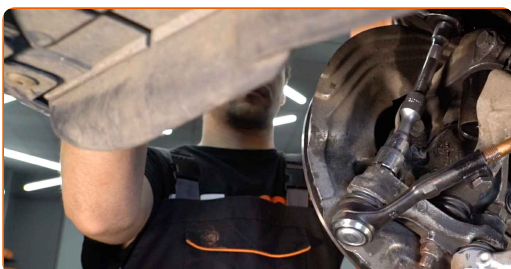
- 16 Treat the fastener connecting the tie rod end to the steering knuckle. Use copper grease.



- 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 #21. Use a torque wrench. Tighten it to 80 nm torque.



19

Tighten the rod end fastening. Use a drive socket #17. Use a torque wrench. Tighten it to 40 nm torque.



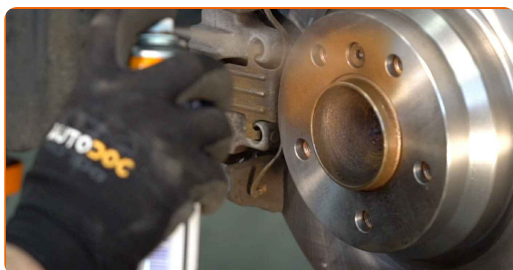
20

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 – BMW E92. After applying the spray, wait a few minutes.

23

Install the wheel.

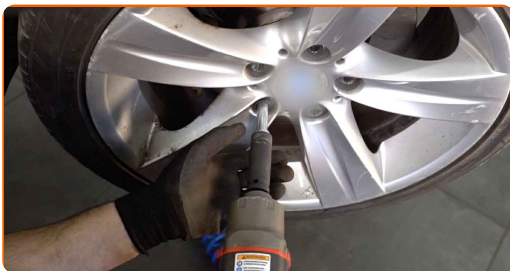


Replacement: track rod end – BMW E92. Tip from AUTODOC:

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

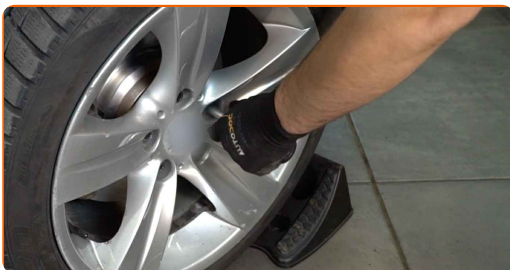
24

Screw in the wheel bolts. Use wheel impact socket #17.



25

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 nm torque.

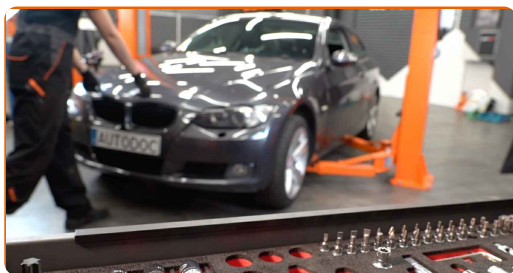


Replacement: track rod end – BMW E92. Tip:

- 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 BMW

TRACK ROD END: A WIDE SELECTION

CHOOSE CAR PARTS FOR BMW E92

TRACK ROD END FOR BMW: BUY NOW

TRACK ROD END FOR BMW E92: 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 2023 – 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 SE.