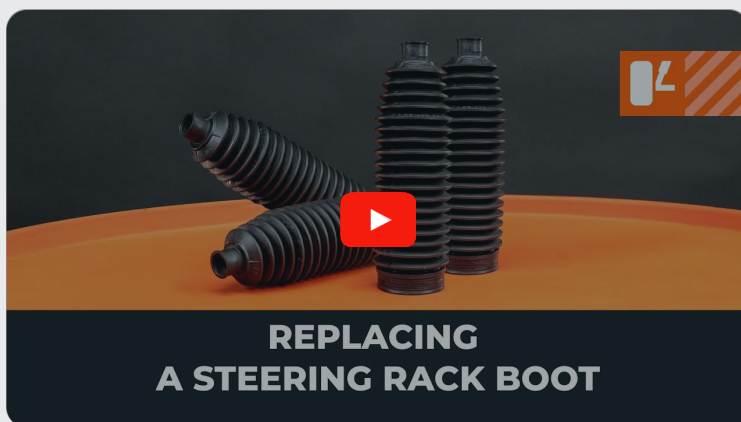


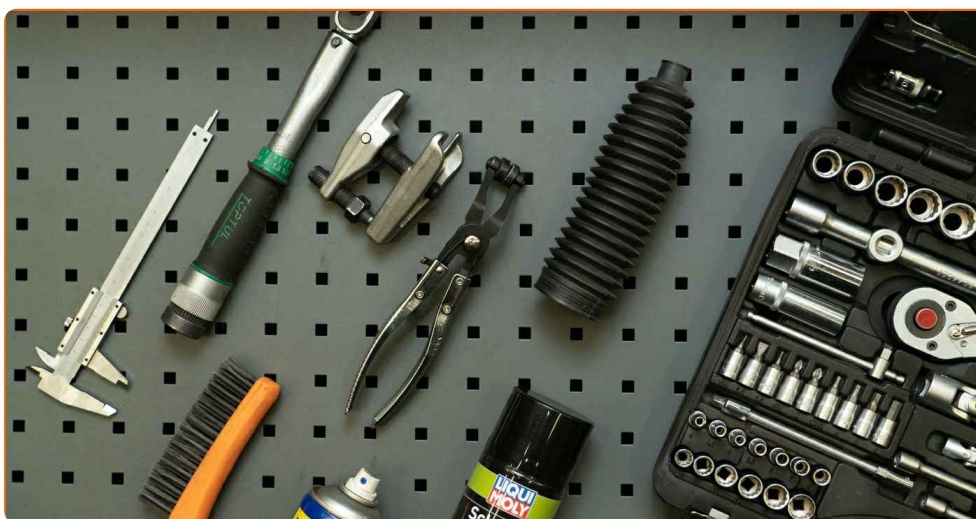


How to change steering  
rack gaiter on a car –  
replacement tutorial

## VIDEO TUTORIAL



### YOU MAY NEED THE FOLLOWING:



- a new steering rack boot
- a set of suitable tools
- all-purpose cleaning spray
- WD-40 spray
- clic-R collar pliers
- a torque wrench
- a ball joint puller
- a measuring tool

**BUY TOOLS**

Please note!

- The steering rack boot protects the rack shaft and inner tie rod end from dirt and water
- The dust boot loses its elasticity over time, which leads to it getting damaged

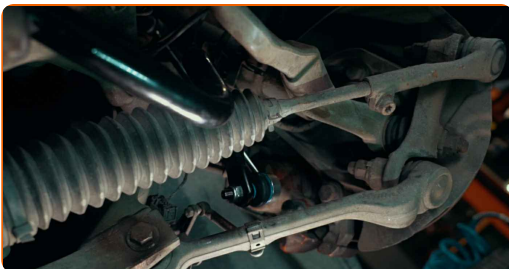
1

Raise the car using a car lift or a jack with jack stands and wheel chocks



2

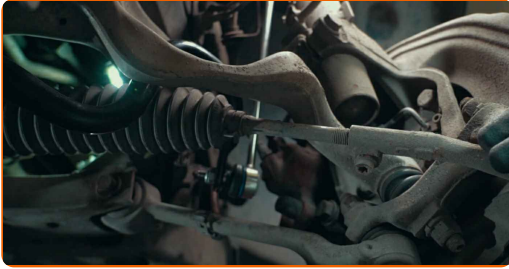
Turn the steering wheel as far as it will go to access the component



AUTODOC recommends:

- Before getting down to work, measure how far the tie rod is screwed into the tie rod end
- This value affects the toe angle
- After the dust boot replacement, the tie rod should be reinstalled in its original position
- You can make a mark on it to guide you when fitting a new part

- 3 To replace the dust boot, you will need to disconnect the tie rod end from the steering knuckle and the tie rod or unscrew the tie rod from the tie rod end



- 4 Clean the working area



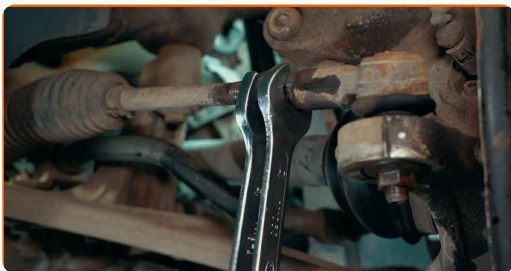
- 5 Measure the distance from the beginning of the threaded portion on the tie rod to the tie rod end, not to the lock nut



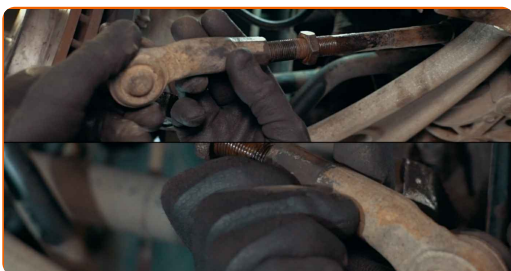
**Important!**

- This is because the distance to the lock nut will vary depending on the thickness of the lock nut

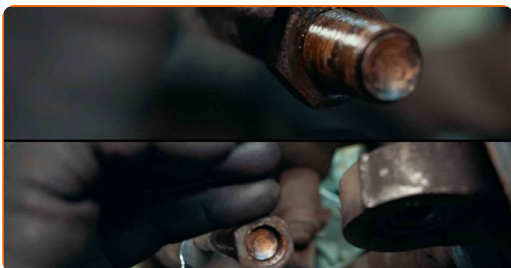
**6** Detach the tie rod end from the steering knuckle



**7** Unscrew the tie rod end from the tie rod



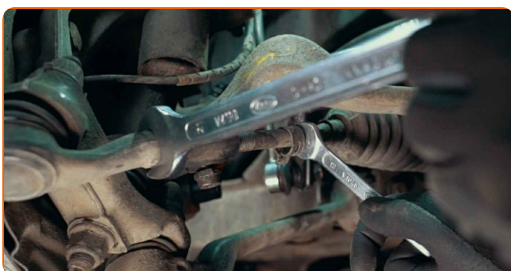
**8** Remove the lock nut carefully so as not to erase the mark



**Please note!**

- In many cases, the tie rod end doesn't have to be removed

**9** Unscrew the tie rod from it



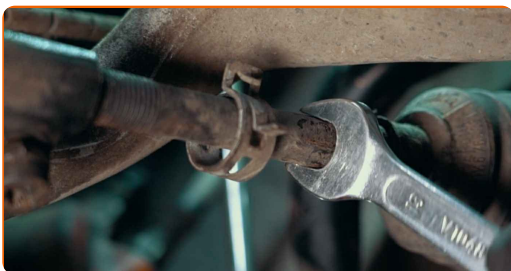
**10** Loosen or remove the clamp that fastens the dust boot



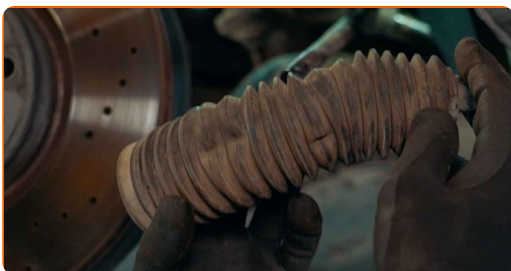
**Caution!**

- While carrying out the work, hold the tie rod end firmly so as not to damage its ball joint

**11** Secure the tie rod end and unscrew the tie rod from it



**12** Remove the dust boot fasteners and take the boot out



**13** Clean the steering rack shaft of old grease and dirt and apply some new grease



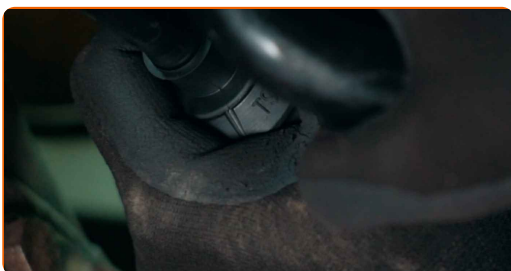
**AUTODOC experts recommend:**

- Check the condition of the tie rod end, tie rod axle joint, and the steering rack

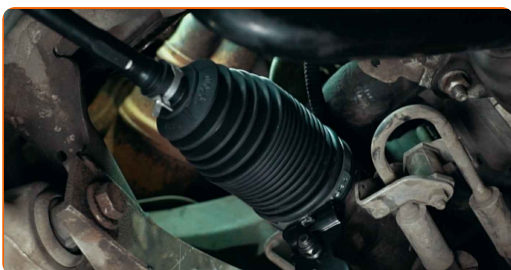
**14** Fit the dust boot on the tie rod and the steering rack



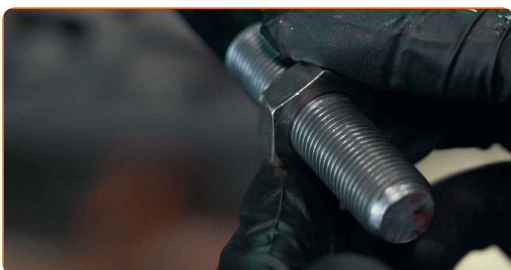
**15** Make sure the boot fits tightly to its mounting seats and is secured reliably



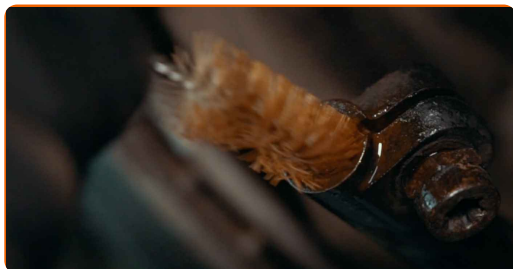
**16** Check that the clamps are installed correctly and that they hold the dust boot firmly in place



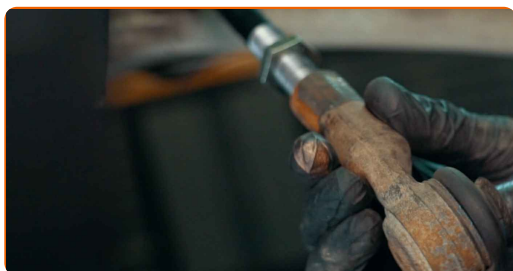
**17** Screw on the lock nut, using your mark as reference



**18** Treat all the parts and fasteners with an anti-corrosion agent before reinstalling them



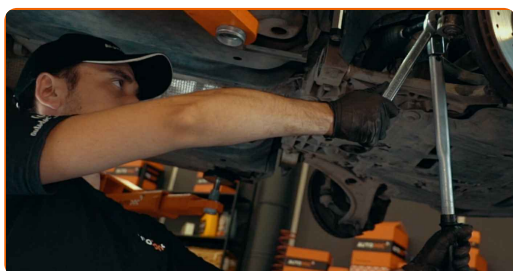
**19** Screw the tie rod end onto the tie rod according to your mark or maintaining the required length



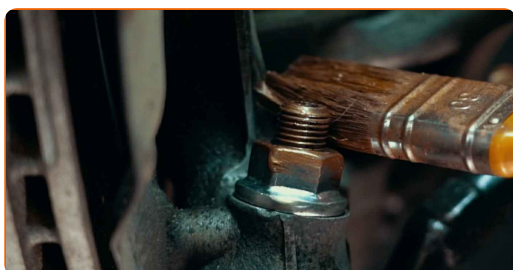
**Important!**

- After finishing the work, be sure to align the wheels using a special alignment machine

**20** Tighten all fasteners to the torque recommended by the car manufacturer



**21** Treat the fasteners with an anti-corrosion agent





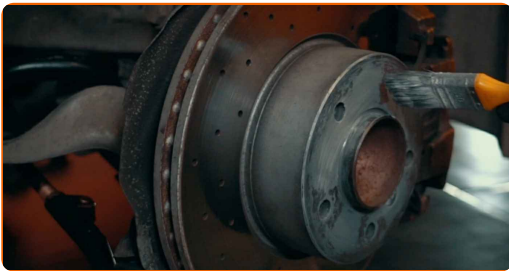
22

Make sure that the wheel mounting surface is clean and smooth to prevent wheel imbalance



23

Treat it with an anti-corrosion agent



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**STEERING RACK GAITER: A WIDE SELECTION**

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