



How to change inner tie  
rod on **MERCEDES-BENZ**  
**W124 Convertible (A124)**  
– replacement guide

## SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

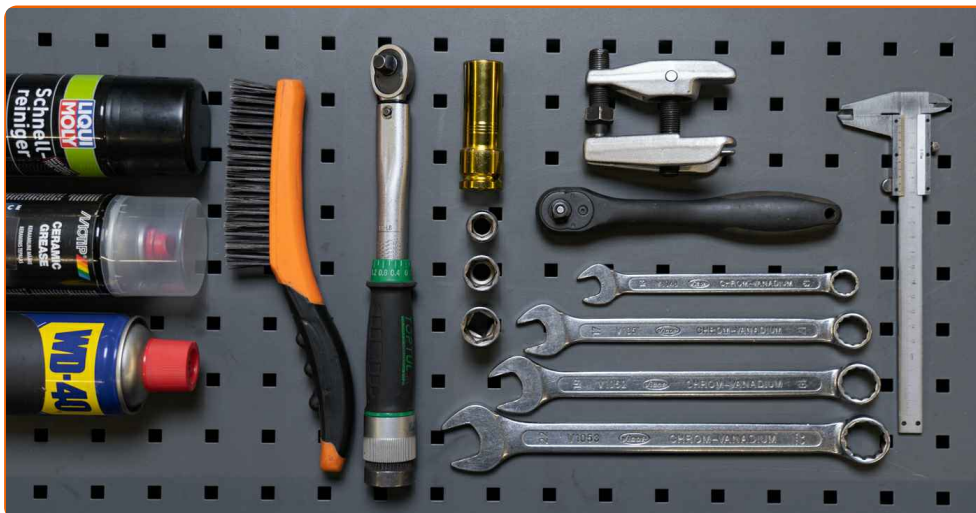
### Important!

This replacement procedure can be used for:  
MERCEDES-BENZ W124 Convertible (A124) 300 CE-24 3.0 (124.061)

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: MERCEDES-BENZ E-Class Saloon (W124) E 250 D (124.126, 124.129)

**REPLACEMENT: INNER TIE ROD – MERCEDES-BENZ W124 CONVERTIBLE (A124). TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Ceramic grease
- Torque wrench
- Combination spanner #13
- Combination spanner #17
- Combination spanner #19
- Combination spanner #22
- Drive socket # 13
- Drive socket # 17
- Drive socket # 19
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Vernier caliper
- Ball joint puller
- Wheel chock

**Buy tools**

Replacement: inner tie rod – MERCEDES-BENZ W124 Convertible (A124).  
AUTODOC experts recommend:

- All work should be done with the engine stopped.

## REPLACEMENT: INNER TIE ROD – MERCEDES-BENZ W124 CONVERTIBLE (A124). RECOMMENDED SEQUENCE OF STEPS:

**1** Secure the wheels with chocks.

**2** Loosen the wheel bolts. Use wheel impact socket #17. Use a tap wrench.



**3** Raise the car.

### AUTODOC recommends:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

**4** Unscrew the wheel bolts.



**AUTODOC recommends:**

- Important! Hold the wheel while unscrewing the fastening bolts. MERCEDES-BENZ W124 Convertible (A124)

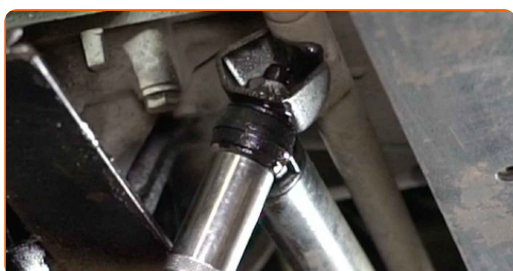
**5** Remove the wheels.



**6** Clean the steering damper fasteners. Use a wire brush. Use WD-40 spray.



**7** Unscrew the steering damper fasteners. Use a combination spanner #17. Use a drive socket #17. Use a ratchet wrench.



**8** Remove the fastening bolts.

**9** Remove the steering damper.



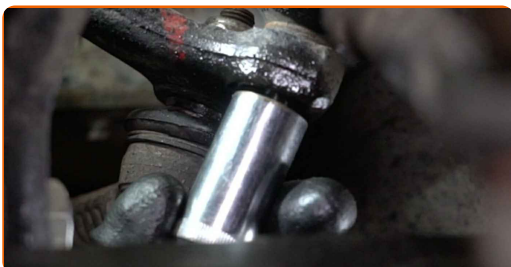
**10** Clean the tie rod ends fasteners. Use a wire brush. Use WD-40 spray.



**11** Unscrew the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.



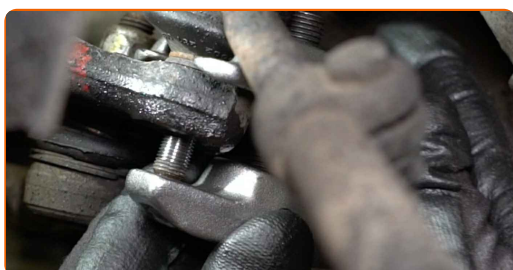
**12** Unscrew the fastener connecting the tie rod end to the idler arm. Use a drive socket #17. Use a ratchet wrench.



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



**14** Detach the tie rod end from the idler arm. Use a ball joint puller.



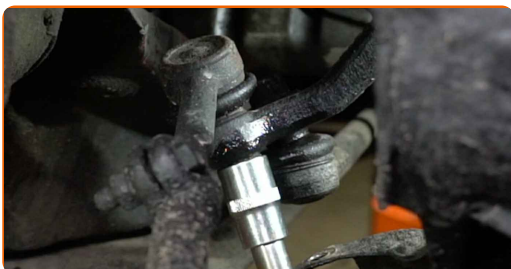
**15** Remove the steering tie rod.



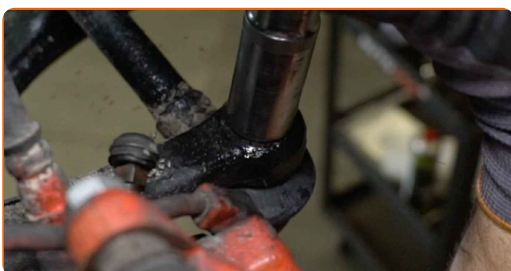
**16** Clean the tie rod ends fasteners. Use a wire brush. Use WD-40 spray.



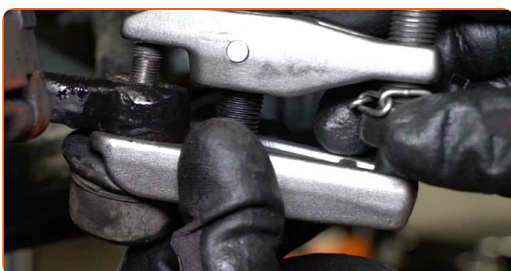
- 17 Unscrew the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.



- 18 Unscrew the fastener connecting the tie rod end to the idler arm. Use a drive socket #17. Use a ratchet wrench.

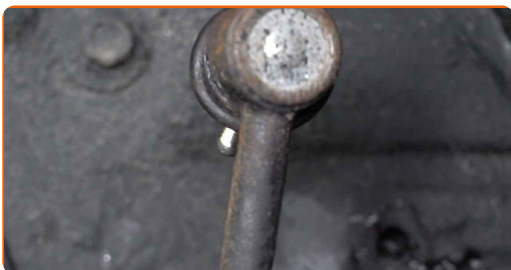


- 19 Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.



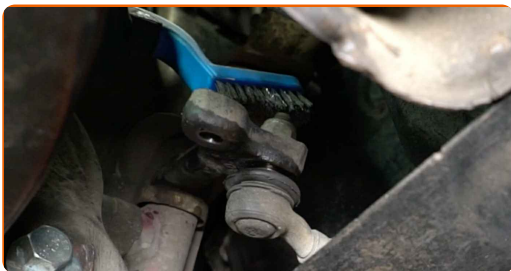
- 20 Detach the tie rod end from the idler arm. Use a ball joint puller.

- 21 Remove the steering tie rod.





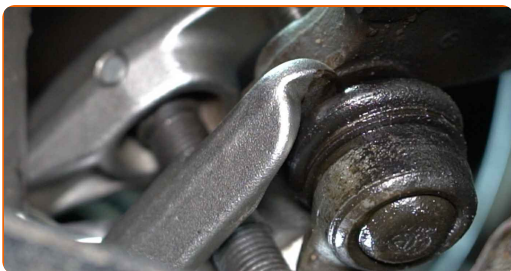
**22** Clean the centre drag link ends fasteners. Use a wire brush. Use WD-40 spray.



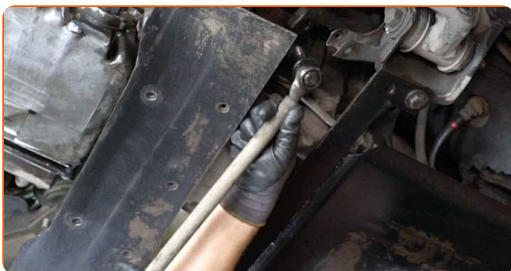
**23** Unscrew the centre drag link fasteners from the idler arms. Use a combination spanner #19.



**24** Detach the centre drag link ends from the idler arms. Use a ball joint puller.



**25** Remove the centre drag link.



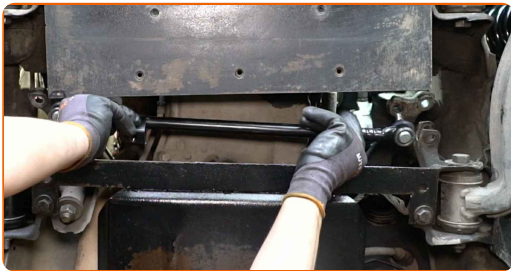
**26**

Clean the mounting seats of the drag link and tie rods. Use a wire brush. Use all-purpose cleaning spray.



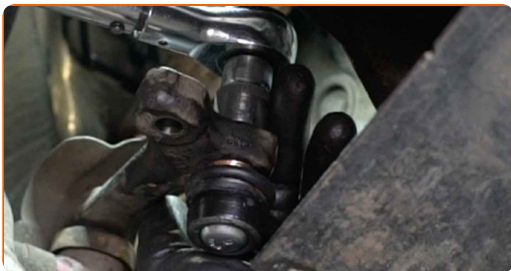
**27**

Install a new centre drag link.



**28**

Tighten the fasteners connecting the centre drag link ends to the idler arms. Use a drive socket #19. Use a torque wrench. Tighten it to 35 Nm torque.

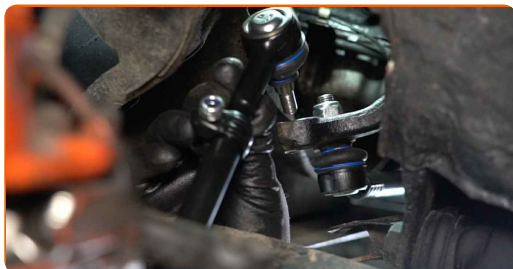


**29**

Adjust the length of new tie rods, using the old ones as reference. Use a combination spanner #13. Use a combination spanner #22 (2 pieces). Use a drive socket #13. Use a ratchet wrench. Use a vernier caliper.



**30** Install the new tie rod.



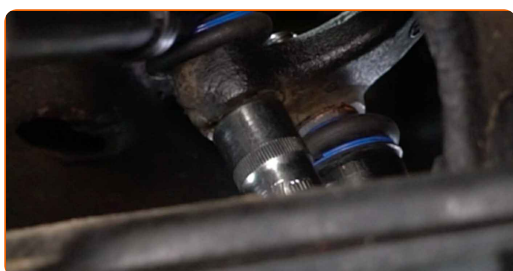
**31** Tighten the tie rod end fastening bolt. Use a combination spanner #13. Use a drive socket #13. Use a torque wrench. Tighten it to 20 Nm torque.



**32** Tighten the tie rod end locknut. Use a combination spanner #22. Use a torque wrench. Tighten it to 50 Nm torque.



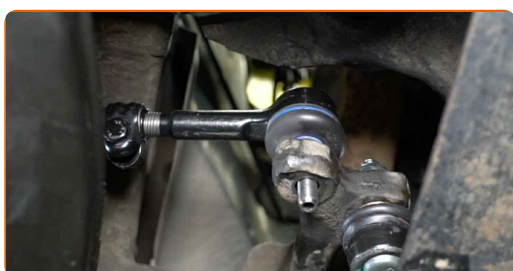
**33** Tighten the fastener connecting the tie rod end to the idler arm. Use a drive socket #17. Use a torque wrench. Tighten it to 35 Nm torque.



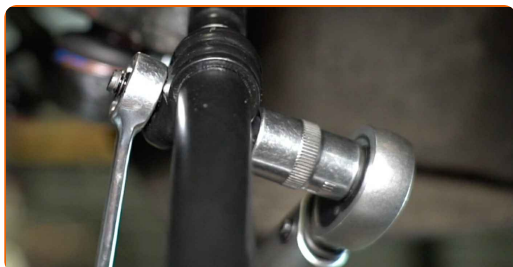
- 34** Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #17. Use a torque wrench. Tighten it to 35 Nm torque.



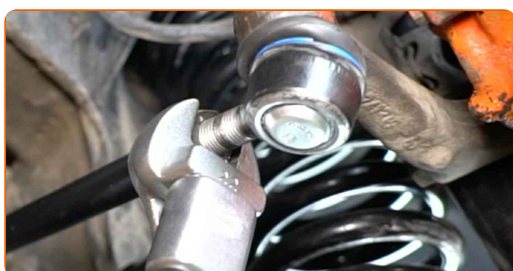
- 35** Install the new tie rod.



- 36** Tighten the tie rod end fastening bolt. Use a combination spanner #13. Use a drive socket #13. Use a torque wrench. Tighten it to 20 Nm torque.



- 37** Tighten the tie rod end locknut. Use a combination spanner #22. Use a torque wrench. Tighten it to 50 Nm torque.



- 38 Tighten the fastener connecting the tie rod end to the idler arm. Use a drive socket #17. Use a torque wrench. Tighten it to 35 Nm torque.



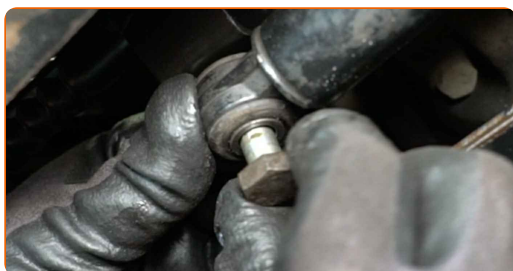
- 39 Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #17. Use a torque wrench. Tighten it to 35 Nm torque.



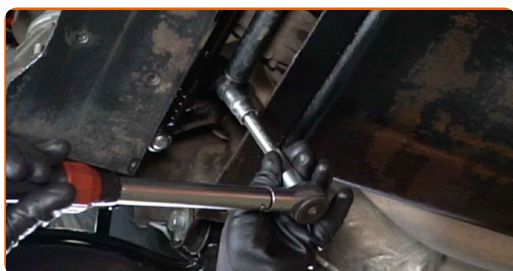
- 40 Install the steering damper.



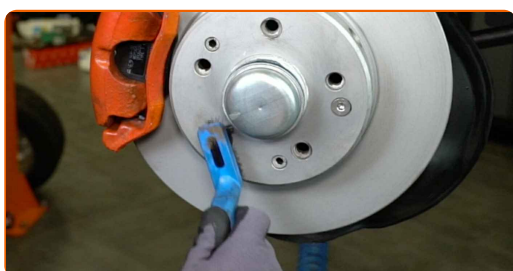
- 41 Install the fastening bolts.



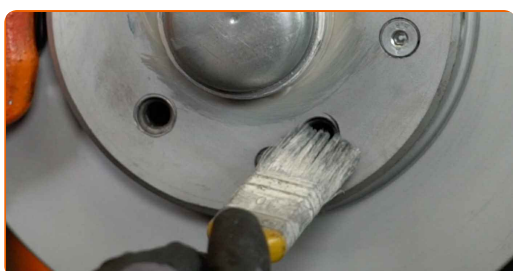
- 42 Tighten the steering damper fasteners. Use a combination spanner #17. Use a drive socket #17. Use a torque wrench. Tighten it to 40 Nm torque.



- 43 Clean the wheel rims mounting seats. Use a wire brush. Use all-purpose cleaning spray.



- 44 Treat the surface where the brake disc contacts the wheel rim. Use ceramic grease.



- 45 Install the wheels.



**AUTODOC recommends:**

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

**46**

Screw in the wheel bolts. Use wheel impact socket #17. Use a ratchet wrench.



**47**

Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 110 Nm torque.



**48**

Remove the jacks and chocks.



Replacement: inner tie rod – MERCEDES-BENZ W124 Convertible (A124).  
Professionals recommend:

- After replacing the component, it is advisable to realign the wheels using a wheel aligner.

**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**

**INNER TIE ROD: A WIDE SELECTION**

## **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.