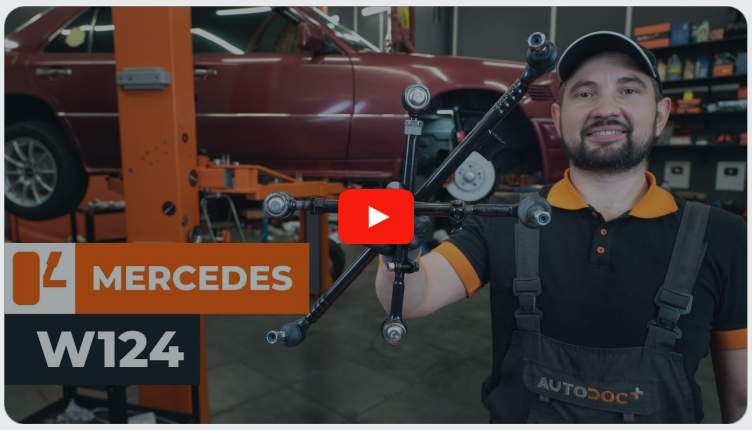
AUTODOC CLUB

How to change inner tie rod on **MERCEDES-BENZ W124 Coupe (C124)** – replacement guide

SIMILAR VIDEO TUTORIAL



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

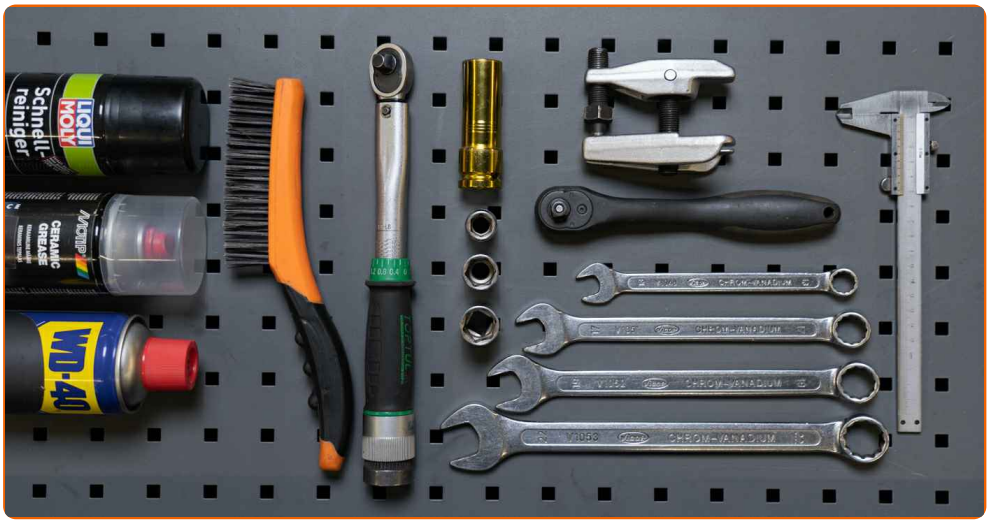
Important!

This replacement procedure can be used for: MERCEDES-BENZ W124 Coupe (C124) 230 CE 2.3 (124.043), MERCEDES-BENZ W124 Coupe (C124) 300 CE 3.0, MERCEDES-BENZ W124 Coupe (C124) 300 CE-24 3.0 (124.051), MERCEDES-BENZ W124 Coupe (C124) 230 CE 2.3 KAT (124.043), MERCEDES-BENZ W124 Coupe (C124) 300 CE 3.0 (124.050), MERCEDES-BENZ W124 Coupe (C124) 320 CE 3.2 (124.052), MERCEDES-BENZ W124 Coupe (C124) 220 CE 2.2 (124.042)

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 COUPE (C124). 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 Coupe (C124). AUTODOC experts recommend:

- All work should be done with the engine stopped.

REPLACEMENT: INNER TIE ROD – MERCEDES-BENZ W124 COUPE (C124). 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 Coupe (C124)

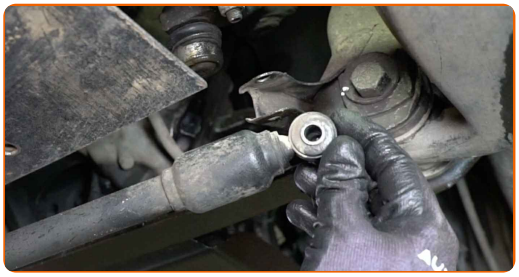
5 Remove the wheels.

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.

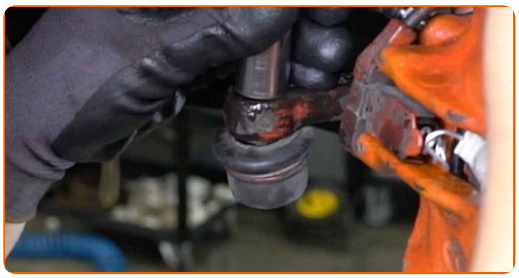
8 Remove the fastening bolts.

9 Remove the steering damper.

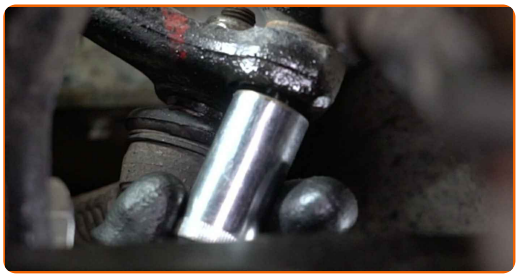


10 Clean the tie rod ends fasteners. Use a wire brush. Use WD-40 spray.

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

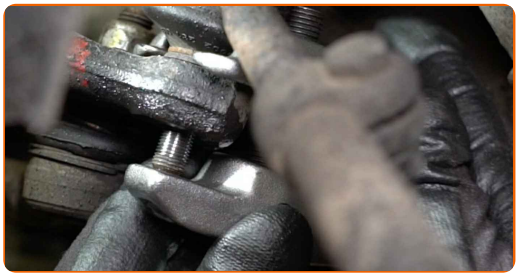


12 Unscrew the fastener connecting the tie rod end to the idler arm. Use a drive socket #17. Use a ratchet wrench.

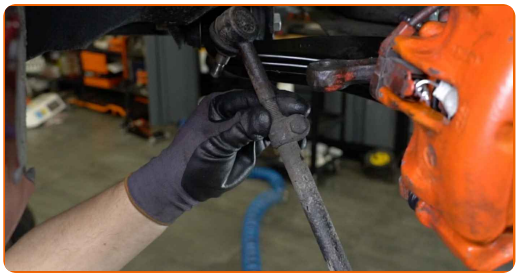


13 Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.

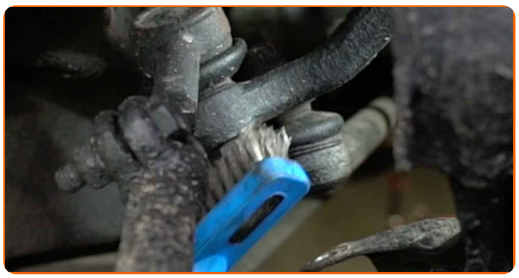
14 Detach the tie rod end from the idler arm. Use a ball joint puller.



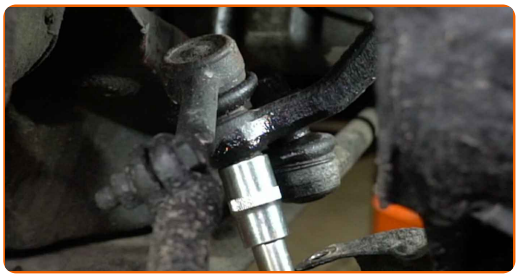
15 Remove the steering tie rod.



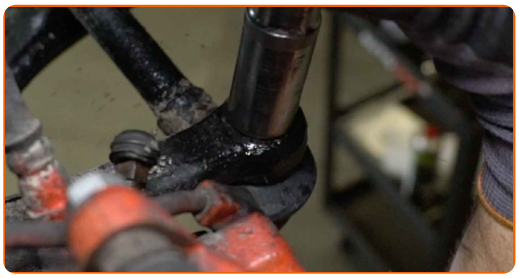
16 Clean the tie rod ends fasteners. Use a wire brush. Use WD-40 spray.



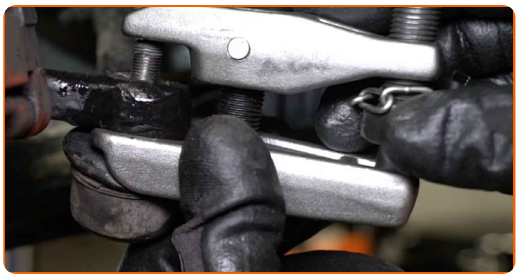
17 Unscrew the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.



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

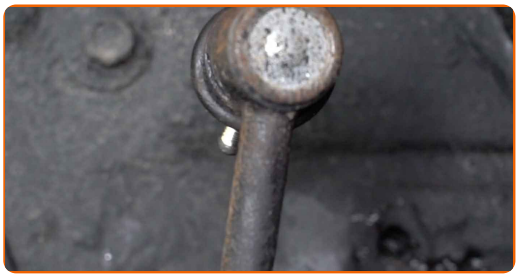


19 Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.



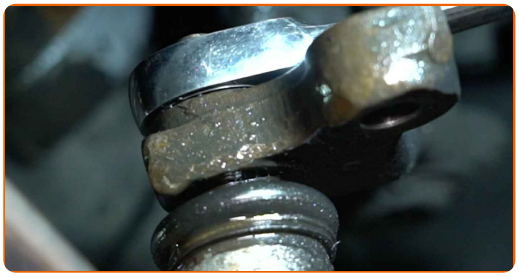
20 Detach the tie rod end from the idler arm. Use a ball joint puller.

21 Remove the steering tie rod.

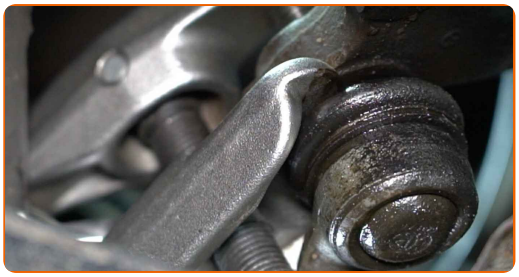


22 Clean the centre drag link ends fasteners. Use a wire brush. Use WD-40 spray.

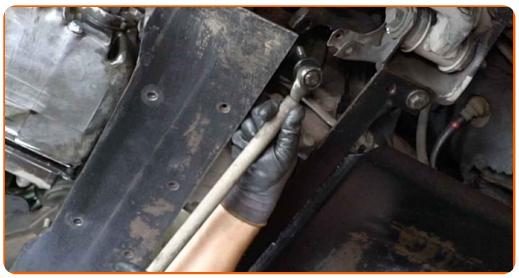
23 Unscrew the centre drag link fasteners from the idler arms. Use a combination spanner #19.



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

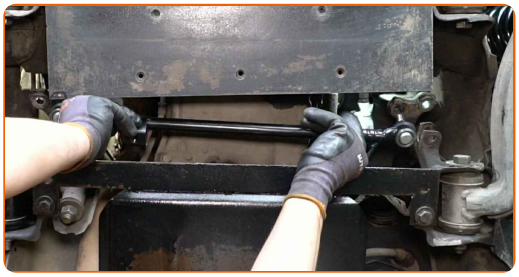


25 Remove the centre drag link.

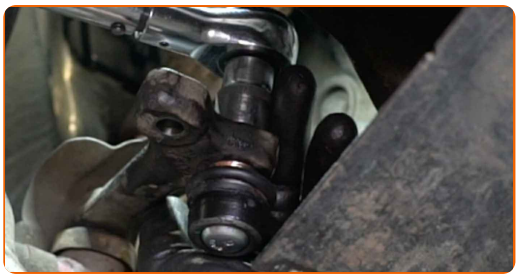


26 Clean the mounting seats of the drag link and tie rods. Use a wire brush. Use all-purpose cleaning spray.

27 Install a new centre drag link.

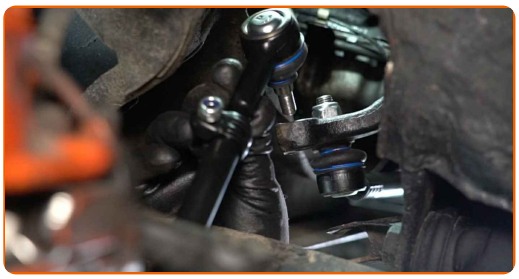


28 Tighten the fasteners connecting the centre drag link ends to the idler arms. Use a drive socket #19. Use a torque wrench. Tighten it to 35 Nm torque.



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.



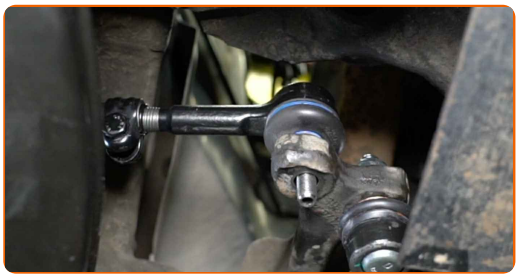
31 Tighten the tie rod end fastening bolt. Use a combination spanner #13. Use a drive socket #13. Use a torque wrench. Tighten it to 20 Nm torque.

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

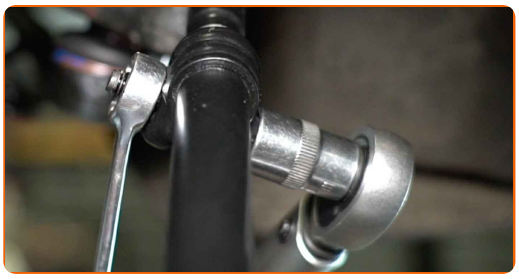
33 Tighten the fastener connecting the tie rod end to the idler arm. Use a drive socket #17. Use a torque wrench. Tighten it to 35 Nm torque.

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.

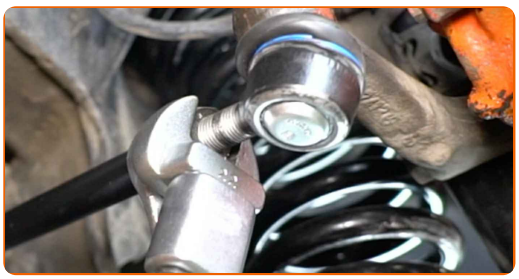
35 Install the new tie rod.



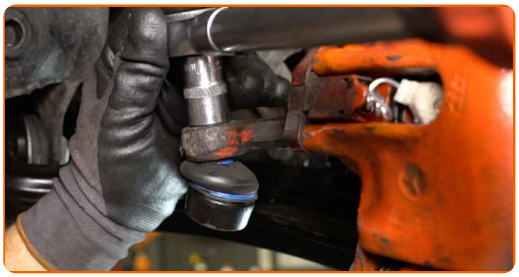
36 Tighten the tie rod end fastening bolt. Use a combination spanner #13. Use a drive socket #13. Use a torque wrench. Tighten it to 20 Nm torque.



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



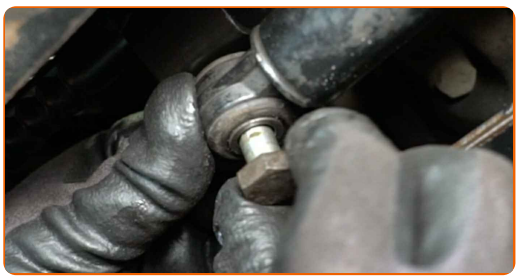
38 Tighten the fastener connecting the tie rod end to the idler arm. Use a drive socket #17. Use a torque wrench. Tighten it to 35 Nm torque.



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 Coupe (C124). Professionals recommend:

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

WELL DONE!

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ⓘ DISCLAIMER:

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