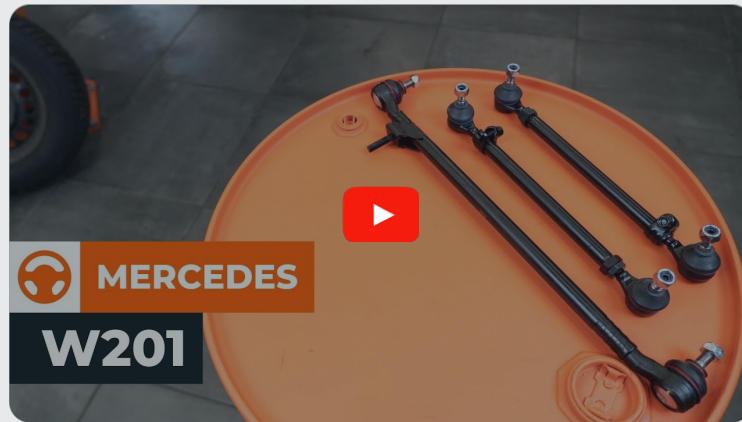




How to change inner tie
rod on **Mercedes W201** –
replacement guide

VIDEO TUTORIAL

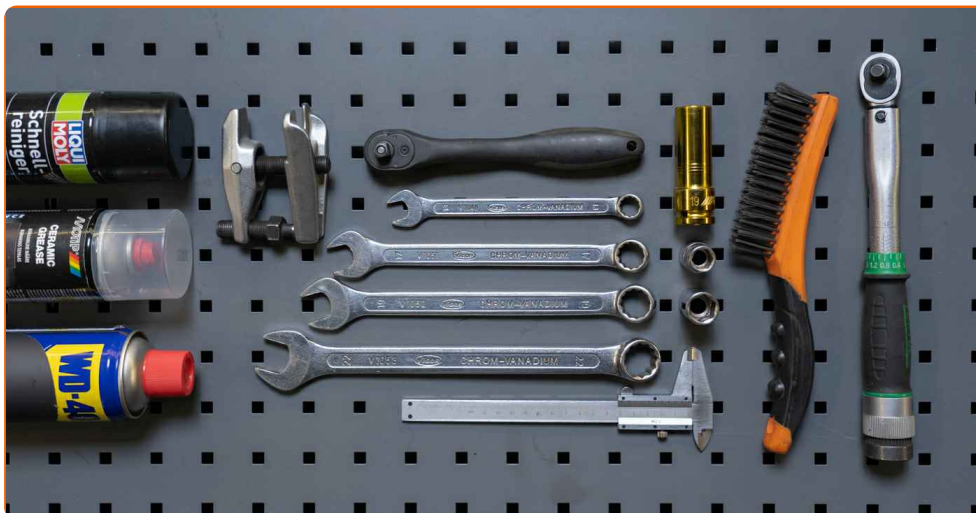
** Important!**

This replacement procedure can be used for:

MERCEDES-BENZ 190 (W201) E 1.8 (201.018), MERCEDES-BENZ 190 (W201) 2.0 (201.022), MERCEDES-BENZ 190 (W201) E 2.0 (201.024), MERCEDES-BENZ 190 (W201) 2.0 (201.023), MERCEDES-BENZ 190 (W201) E 2.0, MERCEDES-BENZ 190 (W201) E 2.3-16, MERCEDES-BENZ 190 (W201) E 2.3-16 (201.034), MERCEDES-BENZ 190 (W201) E 2.3, MERCEDES-BENZ 190 (W201) E 2.3 (201.028), MERCEDES-BENZ 190 (W201) E 2.5-16 Evolution (201.036), MERCEDES-BENZ 190 (W201) E 2.5-16 (201.035), MERCEDES-BENZ 190 (W201) E 2.6, MERCEDES-BENZ 190 (W201) D 2.0 (201.122), MERCEDES-BENZ 190 (W201) D 2.5 (201.126), MERCEDES-BENZ 190 (W201) Turbo-D 2.5 (201.128), (+ 6)

The steps may slightly vary depending on the car design.

REPLACEMENT: INNER TIE ROD – MERCEDES W201.
LIST OF THE 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
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Vernier caliper
- Ball joint puller
- Wheel chock

BUY TOOLS

Replacement: inner tie rod – Mercedes W201. AUTODOC experts recommend:

- All work should be done with the engine stopped.

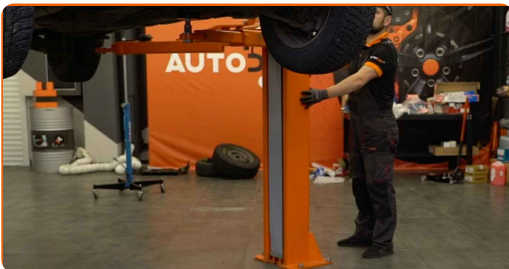
REPLACEMENT: INNER TIE ROD – MERCEDES W201. USE THE FOLLOWING PROCEDURE:

1 Secure the wheels with chocks.

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



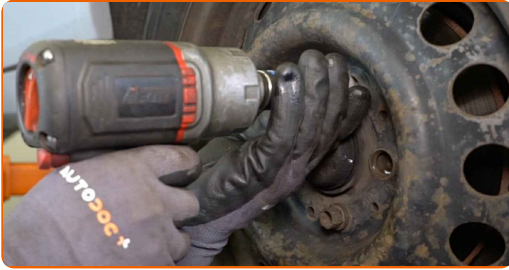
3 Raise the car.



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.

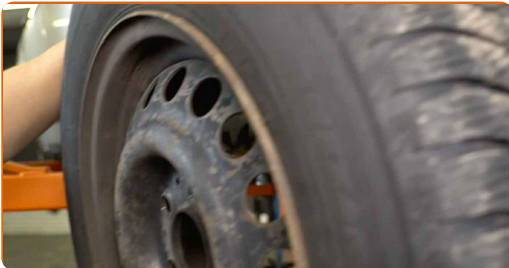
4 Unscrew the wheel bolts.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. Mercedes W201

5 Remove the wheels.



6 Clean the fasteners of the centre link and tie rod ends. Use a wire brush. Use WD-40 spray.



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



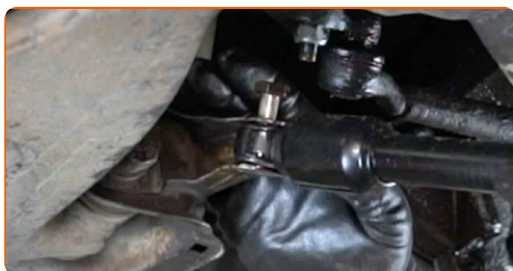
8

Unscrew the steering damper fasteners. Use a drive socket #17. Use a ratchet wrench.



9

Remove the fastening bolts.



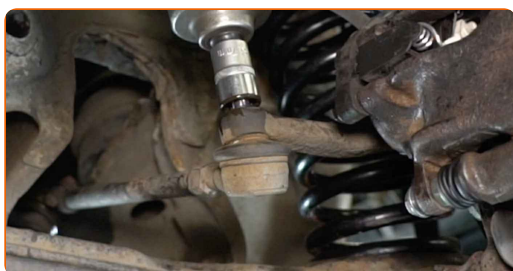
10

Remove the steering damper.

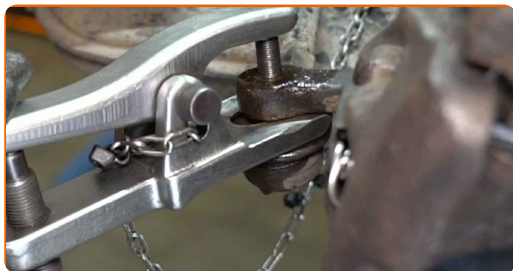


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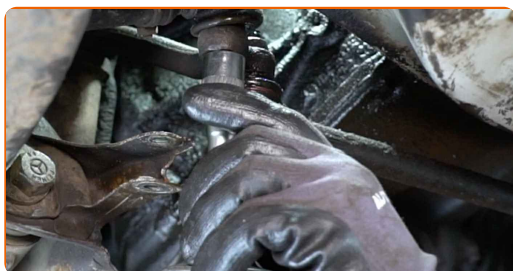
Unscrew the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.



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

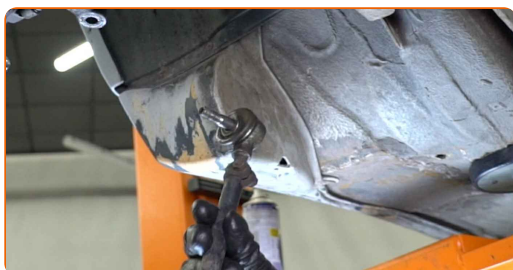


13 Unscrew the fastener connecting the tie rod end to the idler arm. Use a drive socket #17. Use a ratchet wrench.

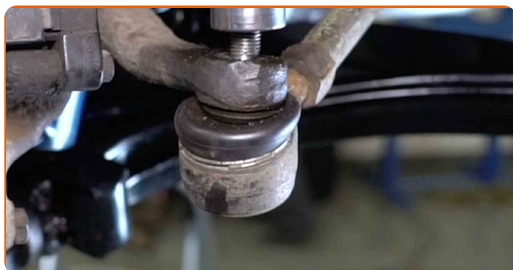


14 Detach the tie rod end from the idler arm. Use a ball joint puller.

15 Remove the steering tie rod.



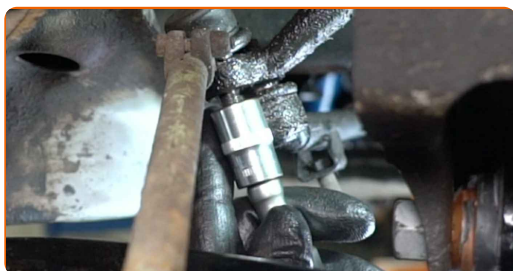
16 Unscrew the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.



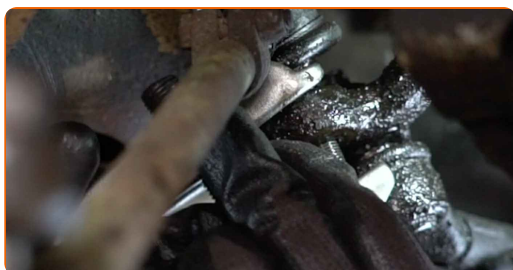
17 Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.



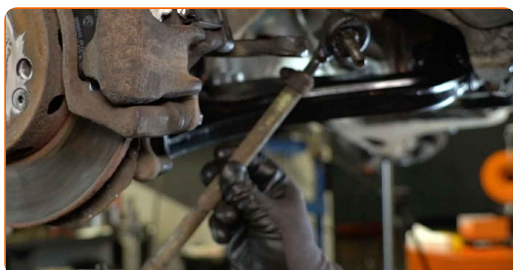
18 Unscrew the fastener connecting the tie rod end to the idler arm. Use a drive socket #17. Use a ratchet wrench.



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

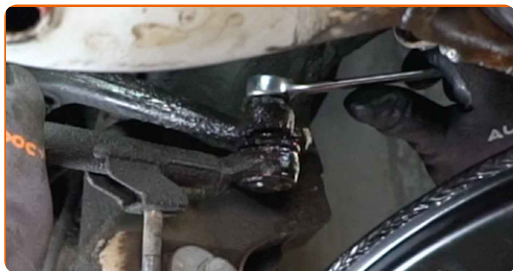


20 Remove the steering tie rod.



21

Unscrew the centre drag link fasteners from the idler arms. Use a combination spanner #17.



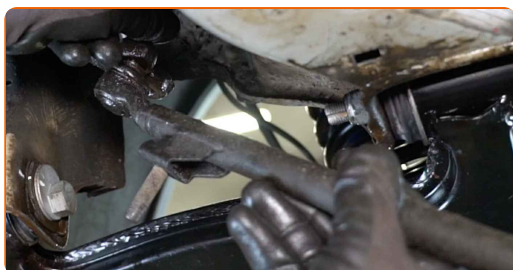
22

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



23

Remove the centre drag link.

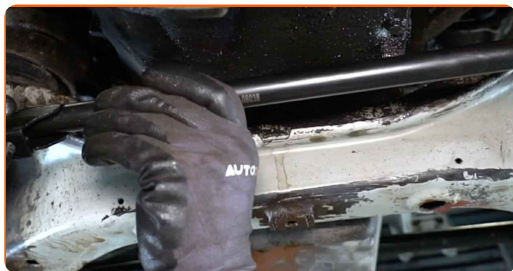


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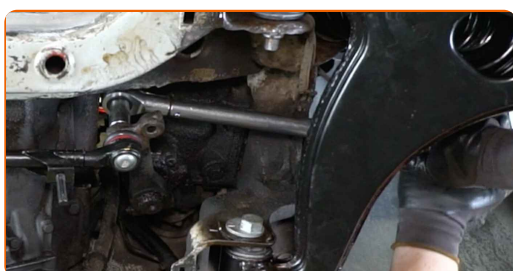
Clean the mounting seats of the drag link and tie rods. Use a wire brush. Use all-purpose cleaning spray.



25 Install a new centre drag link.



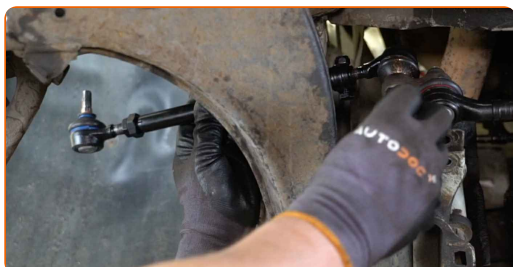
26 Tighten the fasteners connecting the centre drag link ends to the idler arms. Use a drive socket #17. Use a torque wrench. Tighten it to 35 Nm torque.



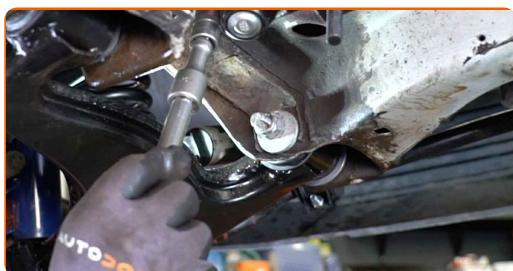
27 Adjust the length of new tie rods, using the old ones as reference. Use a combination spanner #13. Use a combination spanner #19. Use a combination spanner #22. Use a drive socket #13. Use a ratchet wrench. Use a vernier caliper.



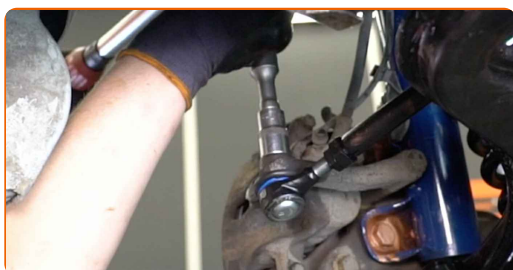
28 Install the new tie rods.



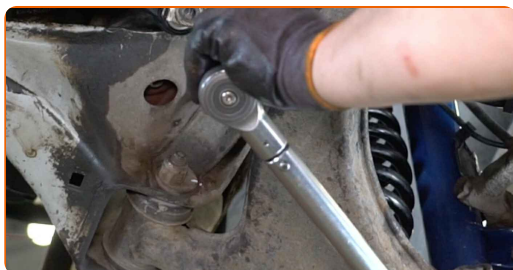
- 29** Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #17. Use a torque wrench. Tighten it to 35 Nm torque.



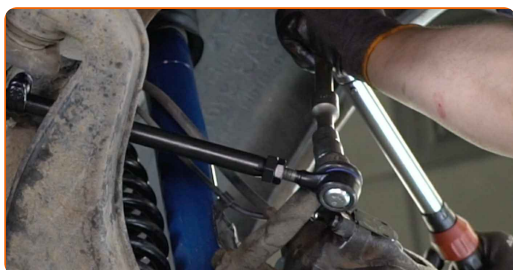
- 30** Tighten the fastener connecting the tie rod end to the idler arm. Use a drive socket #17. Use a torque wrench. Tighten it to 35 Nm torque.



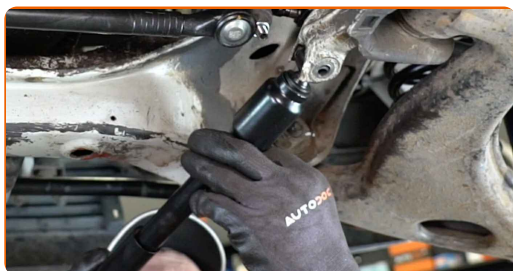
- 31** Tighten the fastener connecting the tie rod end to the idler arm. Use a drive socket #17. Use a torque wrench. Tighten it to 35 Nm torque.



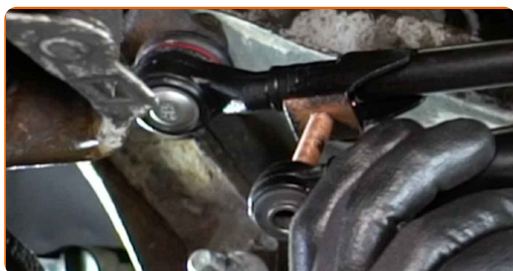
- 32** Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #17. Use a torque wrench. Tighten it to 35 Nm torque.



33 Install the steering damper.



34 Install the fastening bolts.



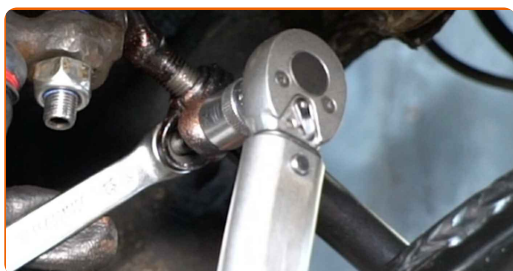
35 Tighten the steering damper fasteners. Use a drive socket #17. Use a torque wrench. Tighten it to 40 Nm torque.



36 Tighten the tie rod end locknut. Use a combination spanner #19. Use a combination spanner #22. Use a torque wrench. Tighten it to 50 Nm torque.



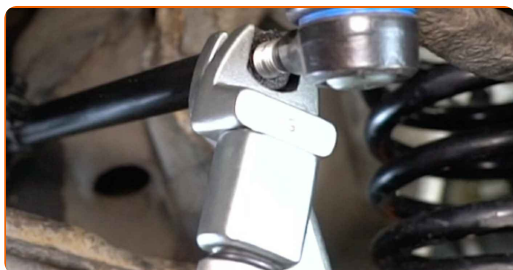
- 37** Tighten the tie rod end fastening bolt. Use a combination spanner #13. Use a drive socket #13. Use a torque wrench. Tighten it to 20 Nm torque.



- 38** 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.



- 39** Tighten the tie rod end locknut. Use a combination spanner #19. Use a combination spanner #22. Use a torque wrench. Tighten it to 50 Nm torque.



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



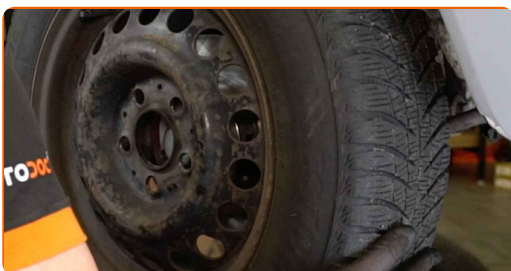
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Treat the surface where the brake disc contacts the wheel rim. Use ceramic grease.



42

Install the wheels.



Replacement: inner tie rod – Mercedes W201. Tip:

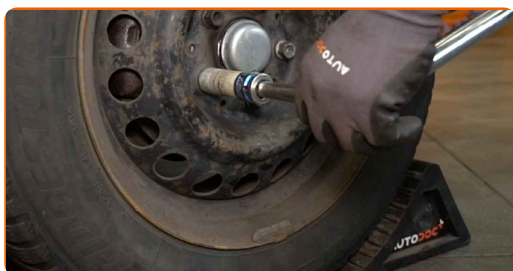
- To avoid injury, hold up the wheel when screwing in the fastening bolts.

43

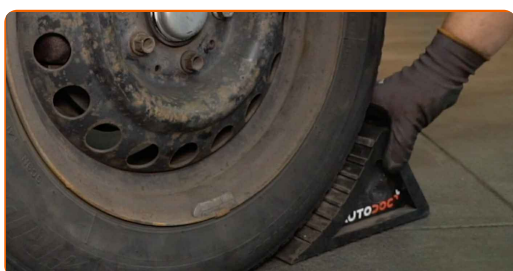
Screw in the wheel bolts. Use wheel impact socket #17. Use a ratchet wrench.



- 44** 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.



- 45** Remove the jacks and chocks.



Replacement: inner tie rod – Mercedes W201. AUTODOC experts recommend:

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

WELL DONE! 

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