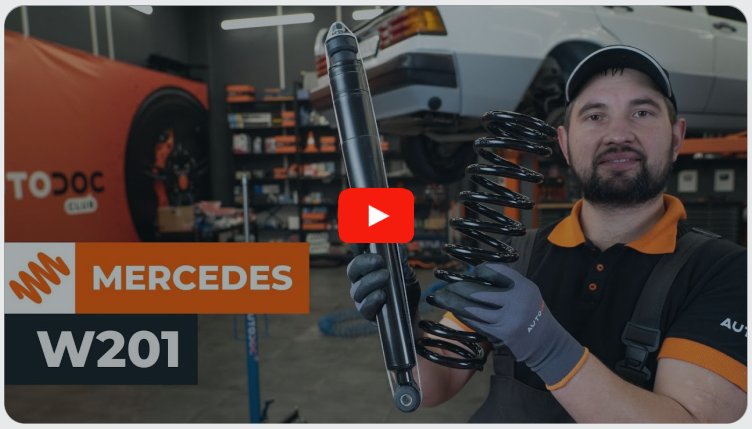
AUTODOC CLUB

How to change rear coil springs on **Mercedes W201** – replacement guide

VIDEO TUTORIAL

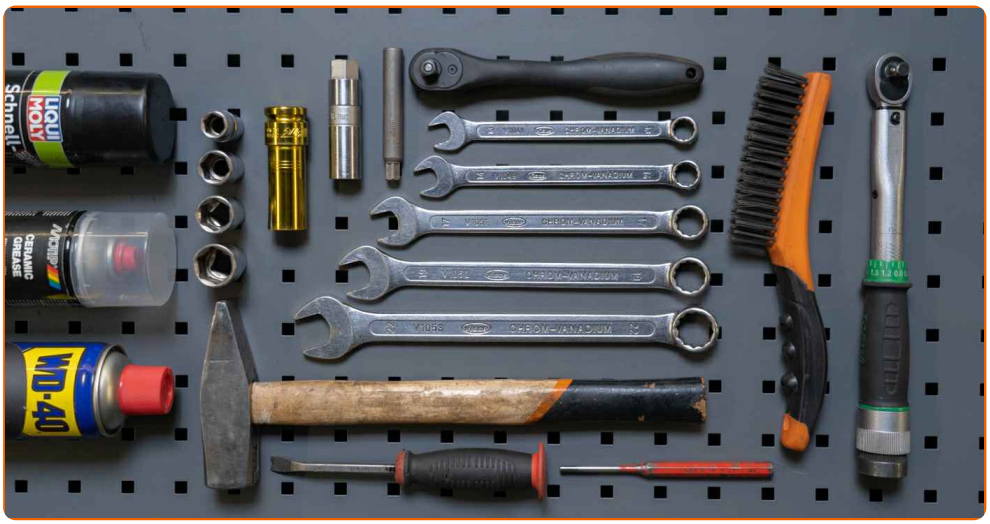


Important!

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) 2.0 (201.023), MERCEDES-BENZ 190 (W201) E 2.0, MERCEDES-BENZ 190 (W201) E 2.0 (201.024), MERCEDES-BENZ 190 (W201) E 2.3, MERCEDES-BENZ 190 (W201) E 2.3 (201.028), 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), MERCEDES-BENZ 190 (W201) E 2.6 (201.029)

The steps may slightly vary depending on the car design.

REPLACEMENT: COIL SPRINGS – MERCEDES W201.
TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Ceramic grease
- Torque wrench
- Combination spanner #13
- Combination spanner #14
- Combination spanner #17
- Combination spanner #19
- Combination spanner #22
- Drive socket # 13
- Drive socket # 17
- Drive socket # 19
- Drive socket # 22
- Shock absorber socket # 16
- Shock absorber socket #DD6
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Hammer
- Pin punch
- Crow bar
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

Replacement: coil springs – Mercedes W201. AUTODOC recommends:

- Both coil springs of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right coil springs of the rear suspension.
- All work should be done with the engine stopped.

REPLACEMENT: COIL SPRINGS – MERCEDES W201. 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.

Replacement: shock absorber and coil springs – Mercedes W201. Tip from AUTODOC experts:

- 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:

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

5 Remove the wheel.

6 Clean the lower shock absorber fastener. Use a wire brush. Use WD-40 spray.

7 Unscrew the lower fasteners of the shock absorber. Use a combination spanner #17. Use a drive socket #17. Use a ratchet wrench.

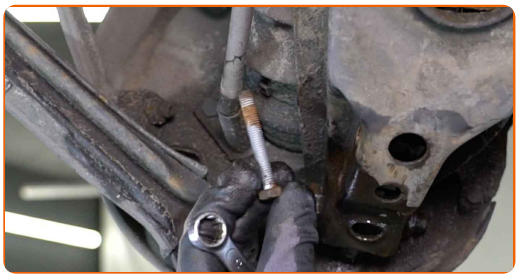
8 Remove the fastening bolt.

9 Clean the fastener connecting the sway bar link to the suspension arm. Use a wire brush. Use WD-40 spray.

10 Clean the control arm fasteners. Use a wire brush. Use WD-40 spray.

11 Unscrew the fastener connecting the stabilizer link to the control arm. Use a combination spanner #13. Use a drive socket #13. Use a ratchet wrench.

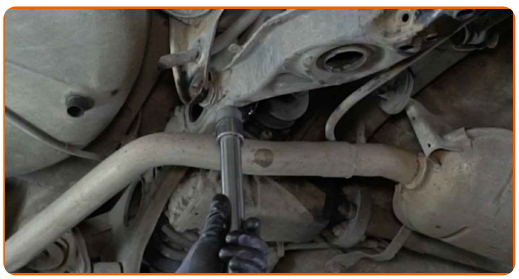
12 Remove the fastening bolt.



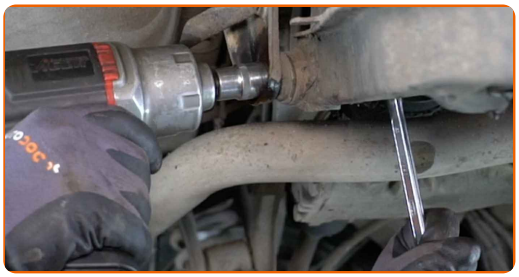
13 Detach the sway bar link from the suspension arm.

14 Loosen the fastener that connects the control arm to the rear knuckle. Use a combination spanner #22. Use a drive socket #22. Use a ratchet wrench.

15 Support the rear control arm where it is attached to the subframe. Use a hydraulic transmission jack.



16 Unscrew the fastener connecting the control arm to the subframe. Use a combination spanner #19. Use a drive socket #19. Use a ratchet wrench.



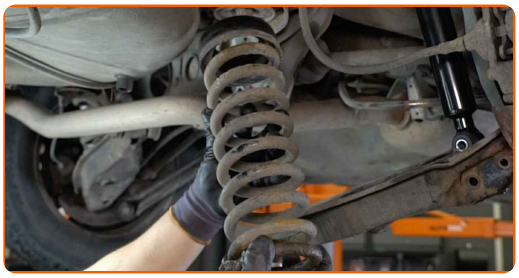
17 Remove the fastening bolt. Use a pin punch. Use a hammer.

18 Detach the control arm from the subframe and lower the hydraulic transmission jack. If necessary, use a crowbar.

Replacement: coil springs – Mercedes W201. AUTODOC recommends:

- As the control arm is spring loaded, the hydraulic transmission jack should be lowered strictly vertically to prevent the arm from slipping off abruptly and being displaced.

19 Remove the spring.

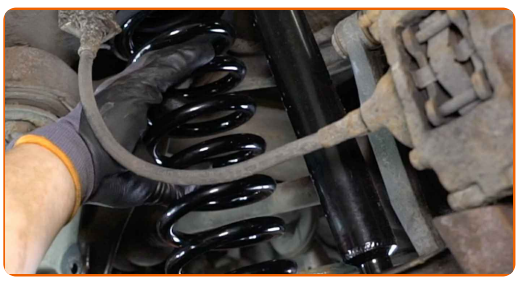


20 Clean the coil spring mounting seats. Use a wire brush. Use all-purpose cleaning spray.

21 Clean the suspension arm mounting seats. Use a wire brush. Use all-purpose cleaning spray.

22 Install the rubber spacer on the new coil spring.

23 Install the spring.

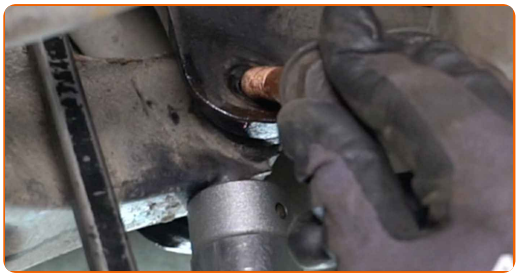


AUTODOC recommends:

- Make sure that the coil spring is correctly positioned in its mounting seats.
- Both coil springs of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right coil springs of the rear suspension.

24 Install the control arm on the subframe. Use a hydraulic transmission jack. If necessary, use a crowbar.

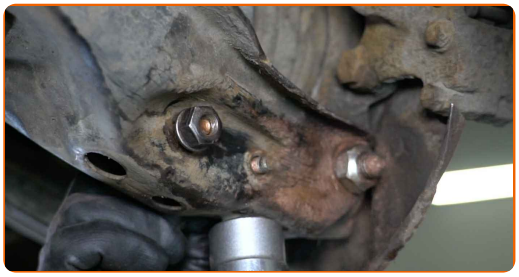
25 Install the fastening bolt.



26 Support the rear control arm. Use a hydraulic transmission jack.

27 Connect the sway bar link to the suspension arm.

28 Install the fastening bolt.

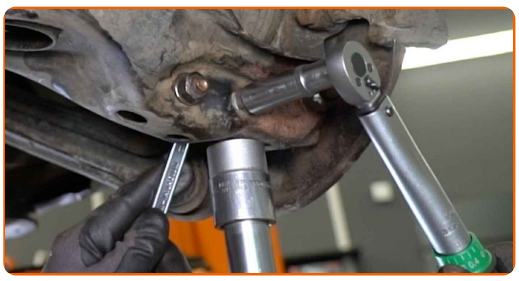


29 For tightening the fasteners correctly, you have to jack up the suspension components to their working position.

30 Tighten the fastener connecting the control arm to the subframe. Use a combination spanner #19. Use a drive socket #19. Use a torque wrench. Tighten it to 70 Nm torque.

31 Tighten the lower fastener of the shock absorber. Use a combination spanner #17. Use a drive socket #17. Use a torque wrench. Tighten it to 55 Nm torque.

32 Tighten the fastener connecting the sway bar link to the suspension arm. Use a combination spanner #13. Use a drive socket #13. Use a torque wrench. Tighten it to 40 Nm torque.



33 Tighten the fasteners connecting the control arm to the rear knuckle. Use a combination spanner #22. Use a drive socket #22. Use a torque wrench. Tighten it to 70 Nm torque.

34 Remove the support from under the rear control arm.

AUTODOC recommends:

- Mercedes W201 – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

35 Clean the wheel rim mounting seat. Use a wire brush. Use all-purpose cleaning spray.

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

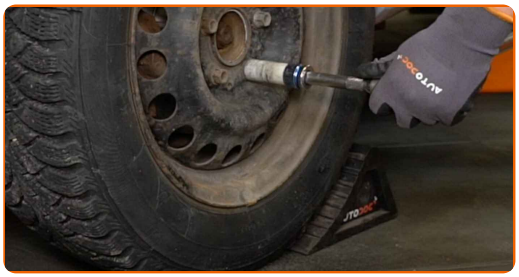
37 Install the wheel.

AUTODOC recommends:

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

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

39 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.



40 Remove the jacks and chocks.

WELL DONE!

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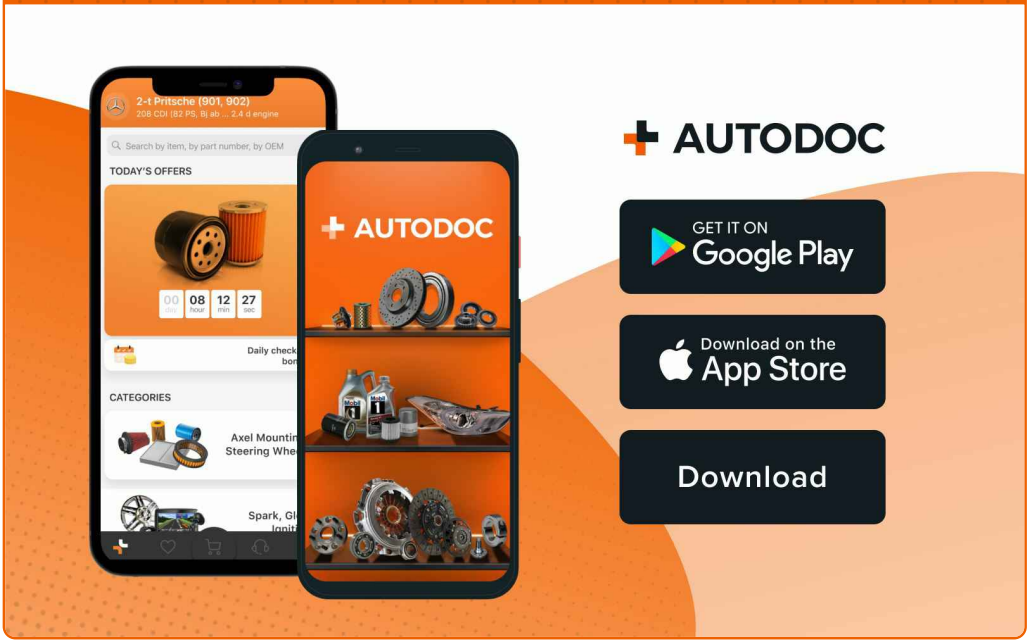

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