



How to change rear coil
springs on **Mercedes**
W169 – replacement
guide

VIDEO TUTORIAL

** Important!**

This replacement procedure can be used for:

MERCEDES-BENZ A-Class (W169) A 200 CDI (169.308, 169.008), MERCEDES-BENZ A-Class (W169) A 170 (169.032, 169.332), MERCEDES-BENZ A-Class (W169) A 200 (169.033, 169.333), MERCEDES-BENZ A-Class (W169) A 160 CDI (169.006, 169.306), MERCEDES-BENZ A-Class (W169) A 180 CDI (169.007, 169.307), MERCEDES-BENZ A-Class (W169) A 200 CDI (169.008, 169.308), MERCEDES-BENZ A-Class (W169) A 200 TURBO (169.034, 169.334)

The steps may slightly vary depending on the car design.

**REPLACEMENT: COIL SPRINGS – MERCEDES W169.
TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Drive socket # 16
- Drive socket # 19
- Combination spanner #16
- Combination spanner #18
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Flat Screwdriver
- Crow bar
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

Replacement: coil springs – Mercedes W169. AUTODOC experts recommend:

- 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 W169. TAKE THE FOLLOWING STEPS:

1

Secure the wheels with chocks.



2

Loosen the wheel mounting bolts. Use wheel impact socket #17.



3

Raise the rear of the car and secure on supports.

4

Unscrew the wheel bolts.



Replacement: coil springs – Mercedes W169. AUTODOC recommends:

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

5

Remove the wheel.



6

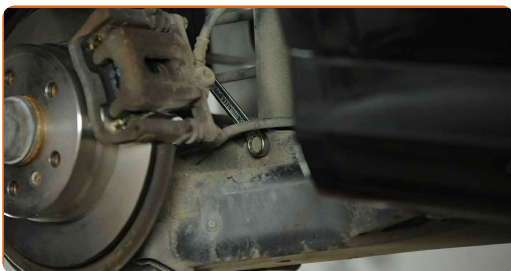
Support the arm. Use a hydraulic transmission jack.



7

Clean the shock absorber fasteners. Use a wire brush. Use WD-40 spray.

- 8** Unscrew the lower fastener of the shock absorber. Use a combination spanner #16. Use a drive socket #16. Use a ratchet wrench.



- 9** Remove the fastening bolt. Use a crowbar.

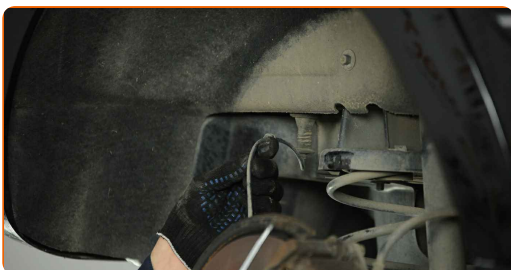
- 10** Lower the hydraulic transmission jack by 10-15 cm.



AUTODOC recommends:

- Mercedes W169 – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

- 11** Disconnect the ABS sensor wiring. Use a flat screwdriver.



12 Remove the support from under the arm.



AUTODOC recommends:

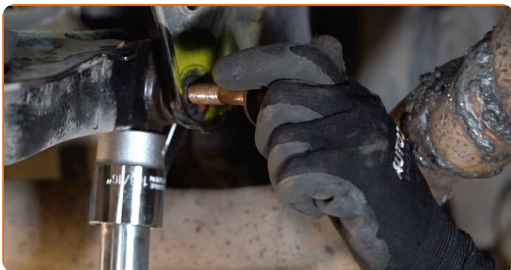
- Replacement: coil springs – Mercedes W169. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

13 Clean all joints of the arm. Use a wire brush. Use WD-40 spray.

14 Unscrew the fastener connecting the control arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #19. Use a ratchet wrench.

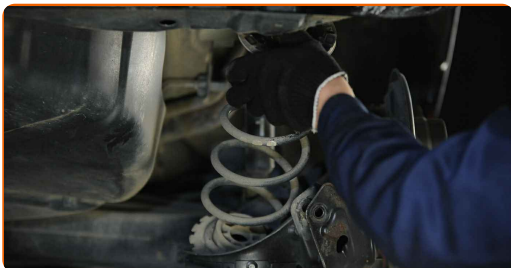


15 Remove the fastening bolt.



16 Detach the suspension arm from the rear knuckle. Use a crowbar.

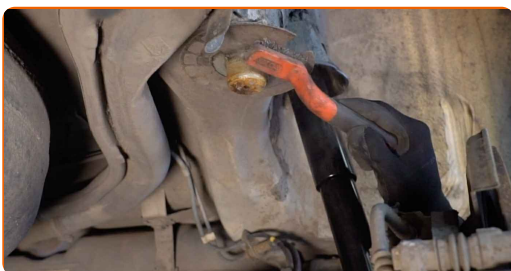
17 Remove the spring. Use a crowbar.



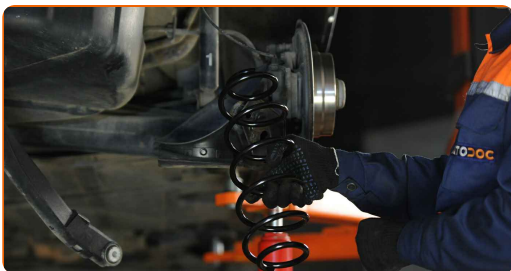
Replacement: coil springs – Mercedes W169. Professionals recommend:

- Examine suspension spring rubber spacers. Replace them if needed.

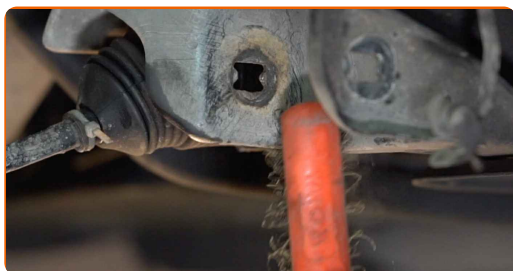
18 Clean the coil spring mounting seats. Use a wire brush. Use WD-40 spray.



19 Install the coil spring together with the rubber mounts into the mounting seats. Use a crowbar.



20 Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.

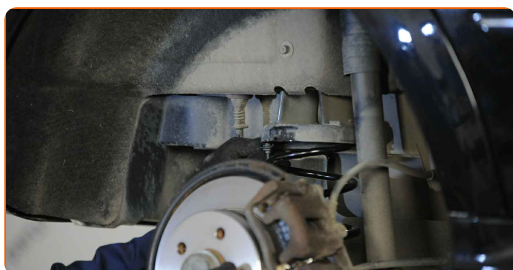


21 Attach the suspension arm to the rear knuckle. Install the fastening bolt. Use a flat screwdriver.

22 Tighten the fastener connecting the suspension arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #19. Use a torque wrench. Tighten it to 85 Nm torque.



23 Connect the ABS sensor wiring.



24 Support the arm. Use a hydraulic transmission jack.

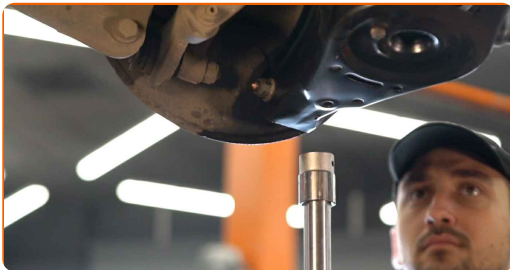


25 Install the fastening bolt.

- 26** Tighten the lower fastener of the shock absorber. Use a drive socket #16. Use a torque wrench. Tighten it to 70 Nm torque.



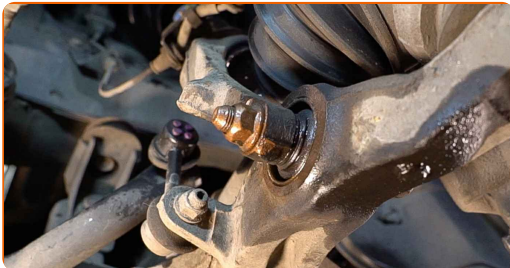
- 27** Remove the support from under the arm.



Replacement: coil springs – Mercedes W169. Tip from AUTODOC:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

- 28** Treat the shock absorber fasteners. Use copper grease.



29

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



30

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: coil springs – Mercedes W169. After applying the spray, wait a few minutes.

31

Install the wheel.



Replacement: coil springs – Mercedes W169. Tip:

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

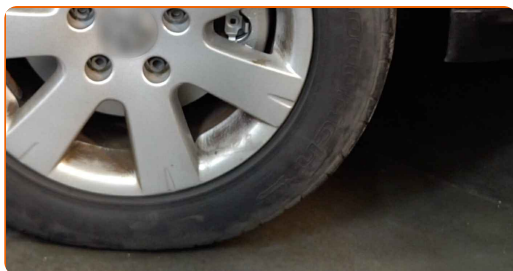
32 Screw in the wheel bolts. Use wheel impact socket #17.



33 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 120 Nm torque.



34 Remove the jacks and chocks.



WELL DONE! 

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