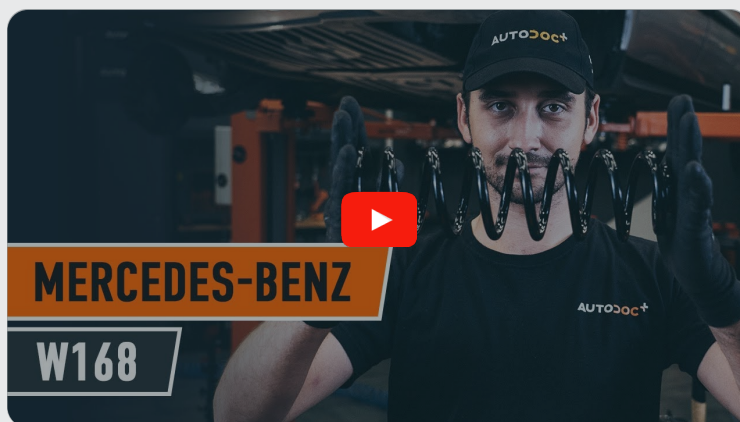




How to change rear coil
springs on **Mercedes**
W168 – replacement
guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

MERCEDES-BENZ A-Class (W168) A 140 (168.031, 168.131), MERCEDES-BENZ A-Class (W168) A 160 (168.033, 168.133), MERCEDES-BENZ A-Class (W168) A 160 CDI (168.007), MERCEDES-BENZ A-Class (W168) A 170 CDI (168.008), MERCEDES-BENZ A-Class (W168) A 190 (168.032, 168.132), MERCEDES-BENZ A-Class (W168) A 160 CDI (168.006), MERCEDES-BENZ A-Class (W168) A 170 CDI (168.009, 168.109), MERCEDES-BENZ A-Class (W168) A 210 (168.035, 168.135), MERCEDES-BENZ A-Class (W168) A 190 Twin Engine

The steps may slightly vary depending on the car design.

REPLACEMENT: COIL SPRINGS – MERCEDES W168.

TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #18
- Drive socket # 8
- Drive socket # 18
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

Replacement: coil springs – Mercedes W168. Tip from AUTODOC:

- 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.
- Please note: all work on the car – Mercedes W168 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

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.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. Mercedes W168

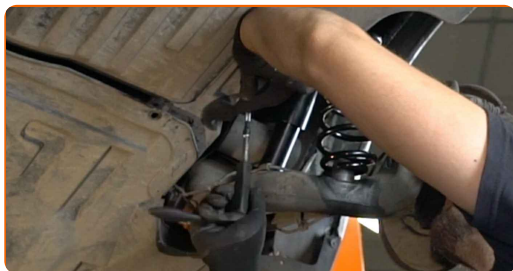
5

Remove the wheel.



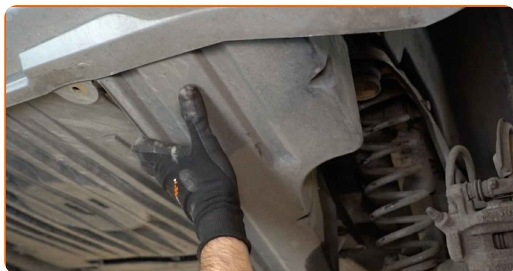
6

Unscrew and remove the wheel arch cover fasteners. Use a drive socket #8. Use a ratchet wrench.



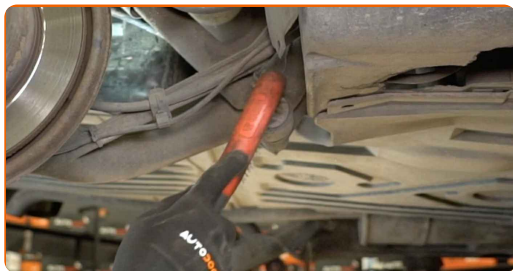
7

Remove the wheel arch cover.



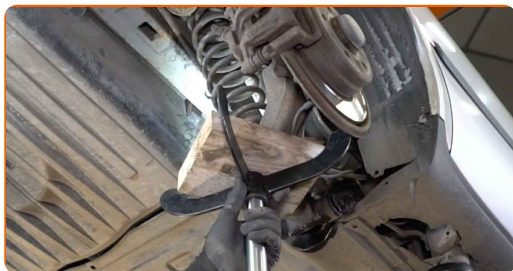
8

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



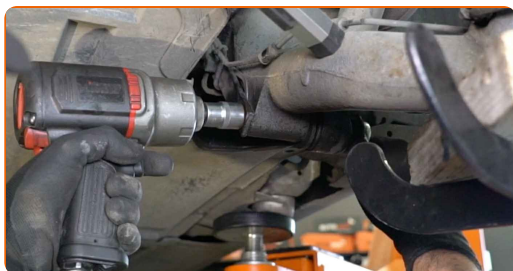
9

Support the rear suspension beam. Use a hydraulic transmission jack.



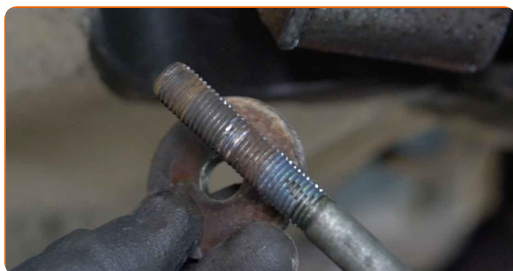
10

Unscrew the lower fastener of the shock absorber. Use a combination spanner #18. Use a drive socket #18. Use a tap wrench.



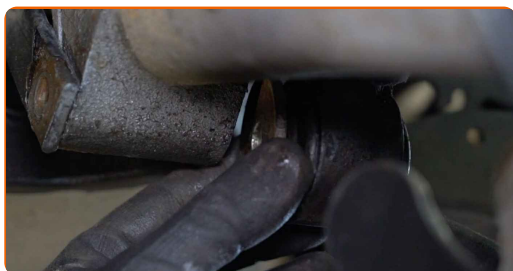
11

Remove the fastening bolt.



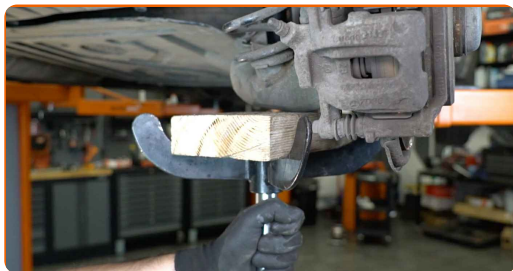
12

Detach the lower part of the shock absorber.



13

Remove the mounting from under the rear axle beam.

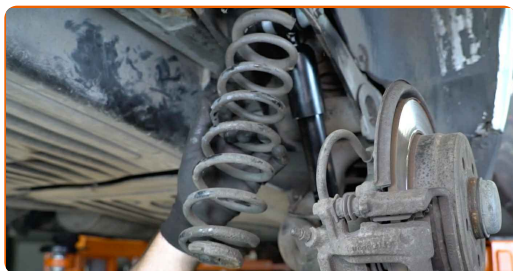


AUTODOC recommends:

- Replacement: coil springs – Mercedes W168. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

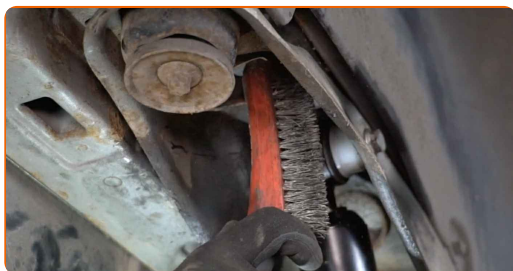
14

Remove the spring.



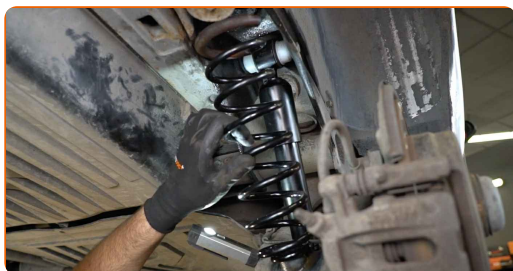
15

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

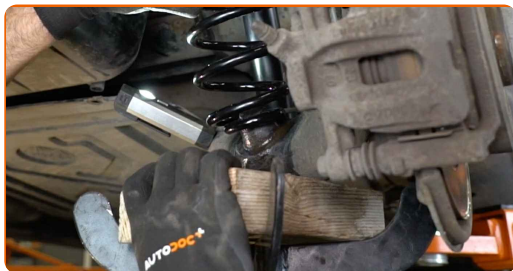


16

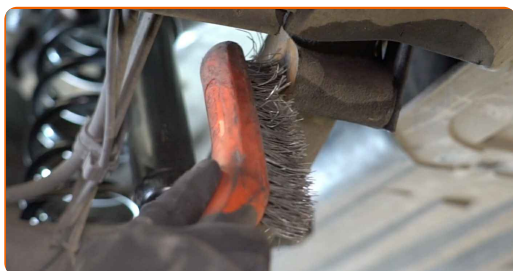
Install the spring on the shock absorber.



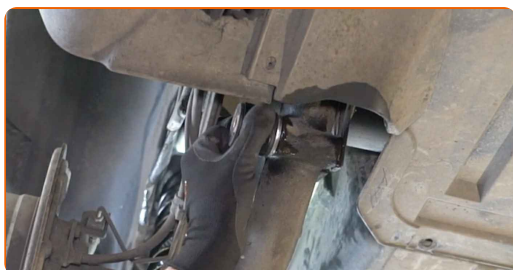
- 17 Support the rear suspension beam. Use a hydraulic transmission jack.



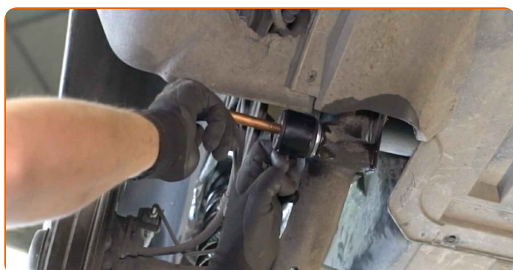
- 18 Clean the shock absorber mounting seats. Use a wire brush. Use WD-40 spray.



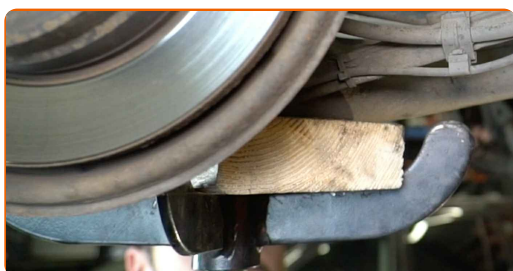
- 19 Attach the lower part of the shock absorber.



- 20 Install the fastening bolt.



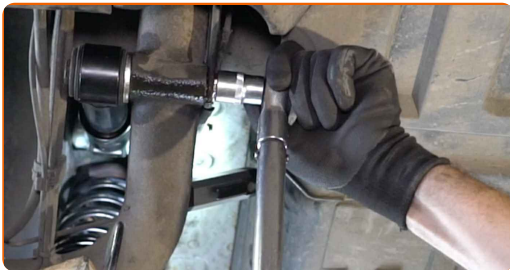
- 21 Raise the hydraulic transmission jack by 10-15 cm.



- 22 Screw in the lower fastener of the shock absorber. Use a combination spanner #18. Use a drive socket #18. Use a tap wrench.



- 23 Tighten the lower fastener of the shock absorber. Use a drive socket #18. Use a torque wrench. Tighten it to 80 Nm torque. +90°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

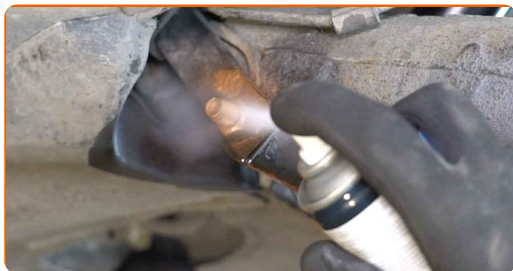
- 24 Remove the mounting from under the rear axle beam.



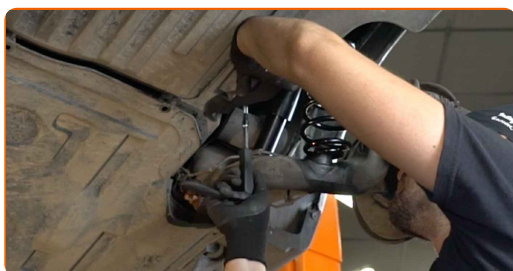
Replacement: coil springs – Mercedes W168. Tip:

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

- 25 Treat the shock absorber fasteners. Use copper grease.



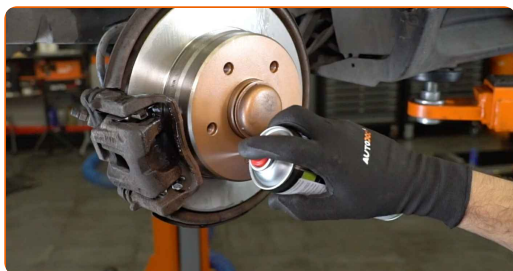
- 26 Install the wheel arch cover to its mounting seat. Screw in the fasteners. Use a drive socket #8. Use a ratchet wrench.



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



- 28 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- After applying the spray, wait a few minutes.

29

Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Mercedes W168

30

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



31

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.



32

Remove the jacks and chocks.

**WELL DONE!** **VIEW MORE TUTORIALS**

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