



How to change rear
shock absorbers 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 210 (168.035, 168.135)

The steps may slightly vary depending on the car design.

REPLACEMENT: SHOCK ABSORBERS – MERCEDES W168. TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #16
- Combination spanner #18
- Drive socket # 8
- Drive socket # 16
- Drive socket # 18
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

Replacement: shock absorbers – Mercedes W168. AUTODOC recommends:

- Both shock absorbers of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock absorbers of the rear suspension.
- Please note: all work on the car – Mercedes W168 – should be done with the engine switched off.

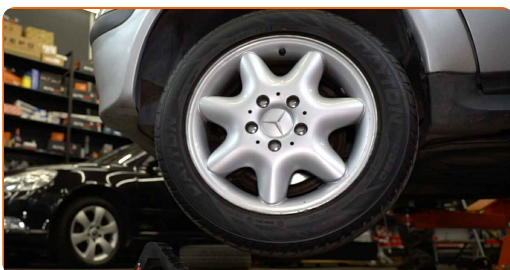
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

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.



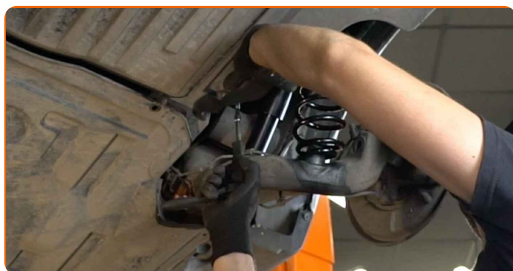
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
Mercedes W168

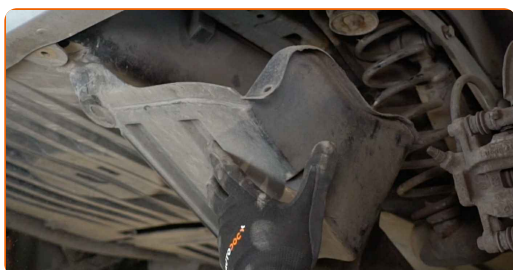
5 Remove the wheel.



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

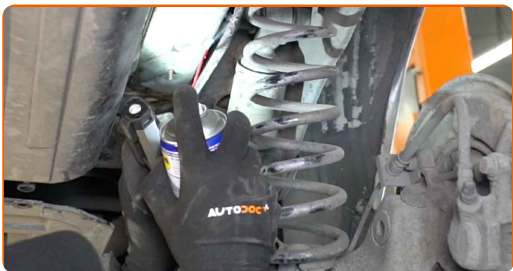


7 Remove the wheel arch cover.



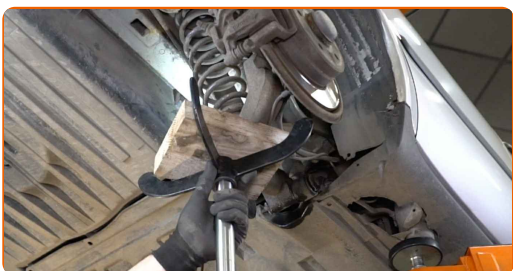
8

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



9

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



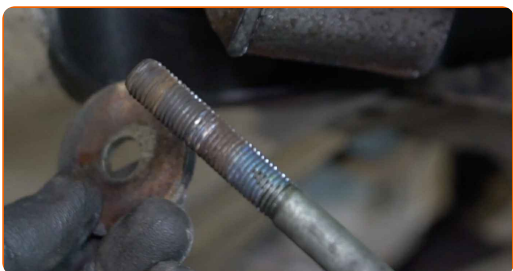
10

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



11

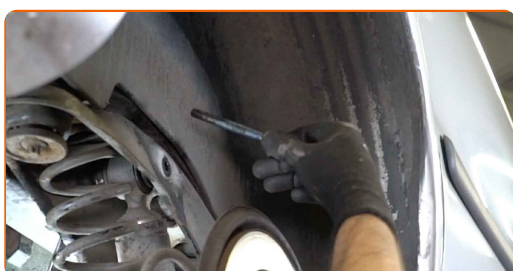
Remove the fastening bolt.



- 12** Unscrew the upper fastener of the shock absorber. Use a combination spanner #16. Use a drive socket #16. Use a tap wrench.



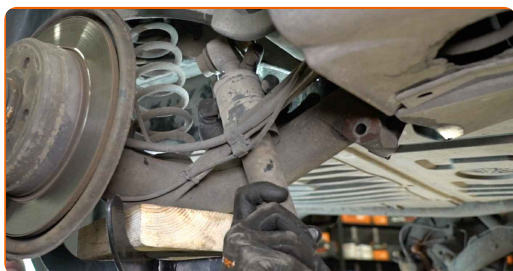
- 13** Remove the fastening bolt.



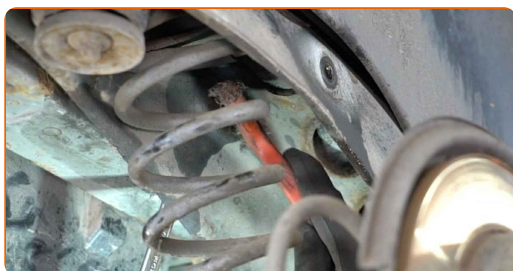
AUTODOC recommends:

- Mercedes W168 – To avoid injury, hold the shock absorber while unscrewing the fastening bolts.

- 14** Remove the shock absorber.



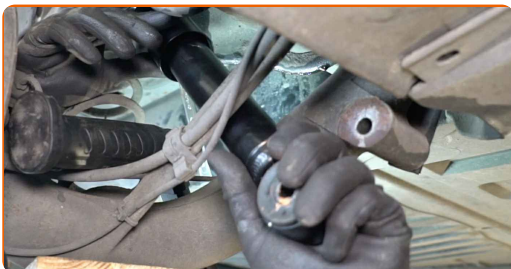
- 15** Clean the shock absorber mounting seats. Use a wire brush. Use WD-40 spray.



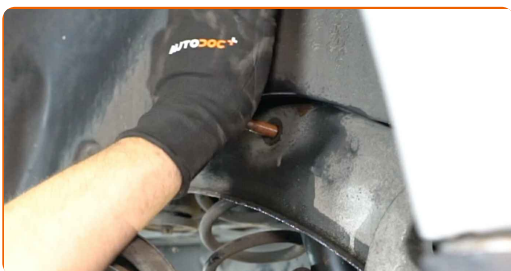
Replacement: shock absorbers – Mercedes W168. Tip:

- Before installing a new shock absorber you should pump it manually 3-5 times.

16 Place the shock absorber in the wheel arch and fasten it.



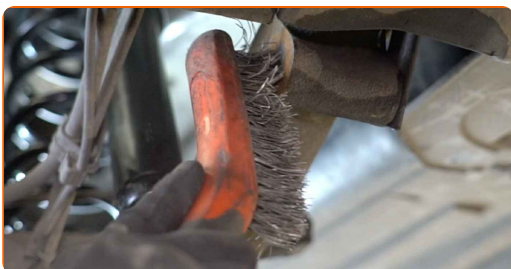
17 Install the fastening bolt.



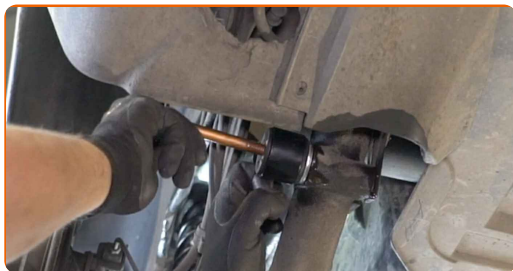
AUTODOC recommends:

- Mercedes W168 – To avoid injury, hold the shock absorber while screwing in the fastening bolts.

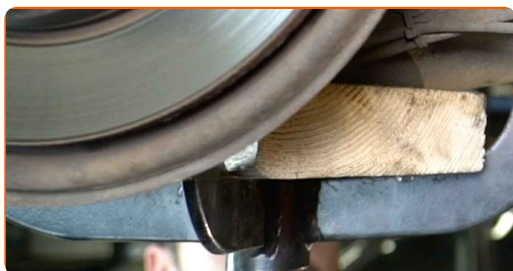
18 Clean the shock absorber mounting seats. Use a wire brush. Use WD-40 spray.



19 Install the fastening bolt.



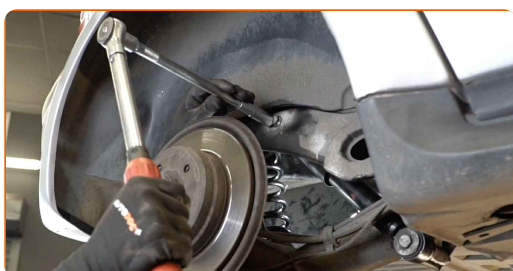
20 Raise the hydraulic transmission jack by 10-15 cm.



21 Screw the upper fastener of the shock absorber. Use a combination spanner #16. Use a drive socket #16. Use a ratchet wrench.



22 Tighten the top shock absorber fastening. Use a drive socket #16. Use a torque wrench. Tighten it to 40 Nm torque. +90°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

23

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



24

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

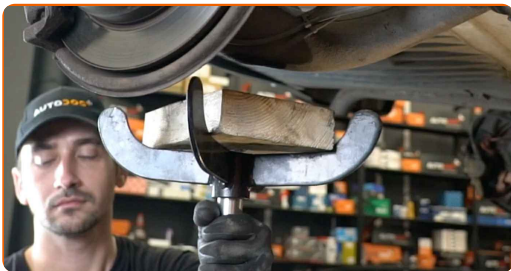


AUTODOC recommends:

- Important! Be sure to use new fasteners.

25

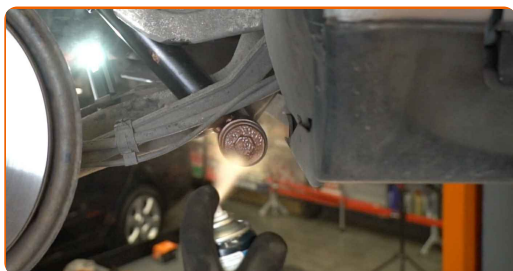
Remove the mounting from under the rear axle beam.



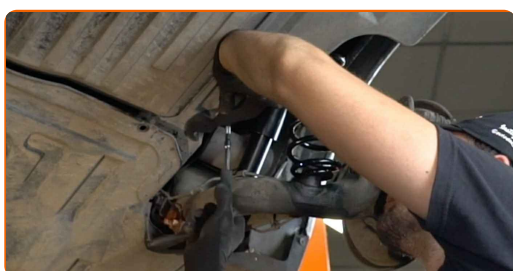
AUTODOC recommends:

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

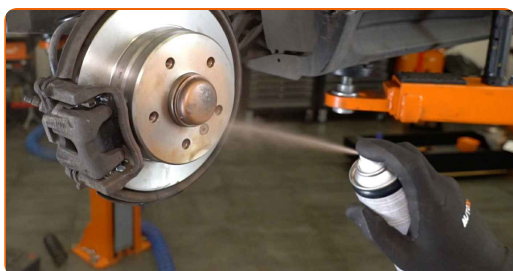
26 Treat the shock absorber fasteners. Use copper grease.



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



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



29 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: shock absorbers – Mercedes W168. After applying the spray, wait a few minutes.

30 Install the wheel.



AUTODOC recommends:

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

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



32 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.



33

Remove the jacks and chocks.



WELL DONE! 

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