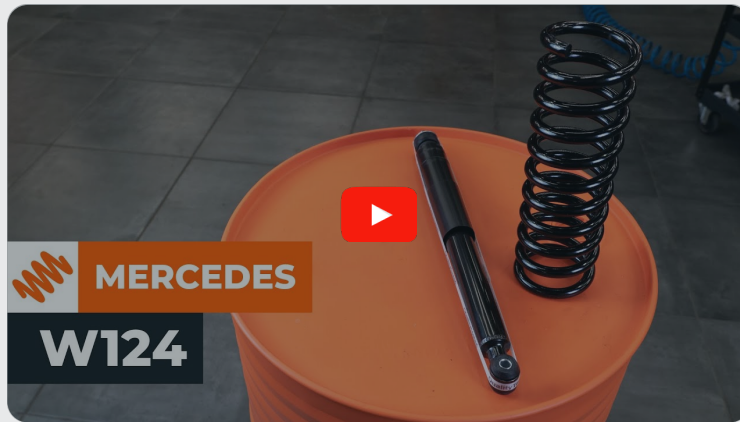




How to change rear
shock absorbers on
Mercedes W124 –
replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

MERCEDES-BENZ Saloon (W124) 200 2.0 (124.020), MERCEDES-BENZ Saloon (W124) 200 E 2.0 (124.021), MERCEDES-BENZ Saloon (W124) 230 E 2.3 (124.023), MERCEDES-BENZ Saloon (W124) 260 E 2.6 (124.026), MERCEDES-BENZ Saloon (W124) 300 E 3.0, MERCEDES-BENZ Saloon (W124) 300 E 3.0 (124.030), MERCEDES-BENZ Saloon (W124) 200 D 2.0 (124.120), MERCEDES-BENZ Saloon (W124) 250 D 2.5 (124.125), MERCEDES-BENZ E-Class Saloon (W124) E 250 D (124.126, 124.129), MERCEDES-BENZ Saloon (W124) 250 2.5 Turbo diesel (124.128), MERCEDES-BENZ Saloon (W124) 300 D 3.0 (124.130), MERCEDES-BENZ E-Class Saloon (W124) E 300 D (124.131), MERCEDES-BENZ Saloon (W124) 300 3.0 Turbo diesel (124.133), MERCEDES-BENZ Saloon (W124) 200 2.0, MERCEDES-BENZ E-Class Saloon (W124) E 200 (124.019), (+ 23)

The steps may slightly vary depending on the car design.

REPLACEMENT: SHOCK ABSORBERS – MERCEDES W124. 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
- Drive socket # 19
- Drive socket # 22
- Shock absorber socket # 16
- Shock absorber socket #DD5.2
- 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: shock absorbers – Mercedes W124. Professionals recommend:

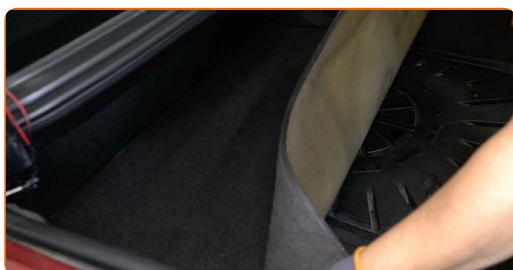
- Both shock absorbers of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock absorbers of the rear suspension.
- Warning! Shut down the engine before starting any work – Mercedes W124.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the luggage compartment.



2 Remove the luggage compartment trim.



3 Clean the upper fastener of the shock absorber. Use a wire brush. Use WD-40 spray.



- 4** Loosen the upper fastener of the shock absorber. Use a combination spanner #17. Use a shock absorber socket #DD5.2. Use a ratchet wrench.

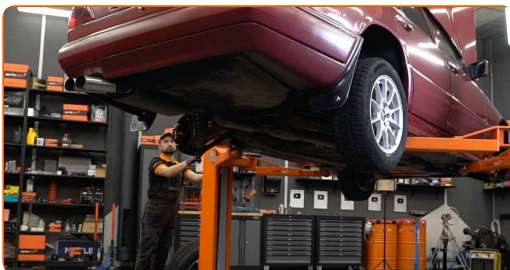


- 5** Secure the wheels with chocks.

- 6** Loosen the wheel bolts. Use wheel impact socket #17. Use a tap wrench.



- 7** Raise the car.



Replacement: shock absorbers – Mercedes W124. 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.

8

Unscrew the wheel bolts.



AUTODOC recommends:

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

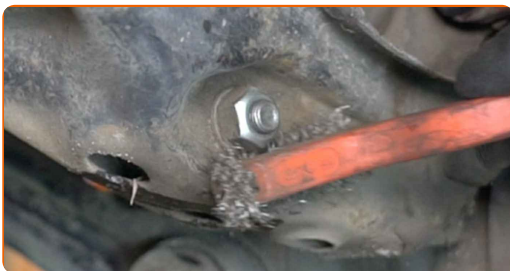
9

Remove the wheel.



10

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



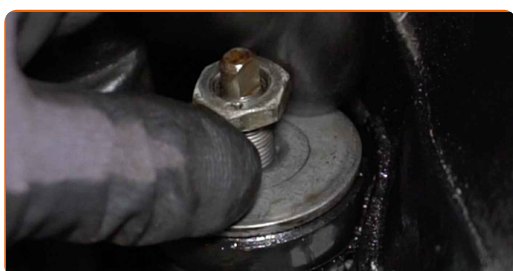
11

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

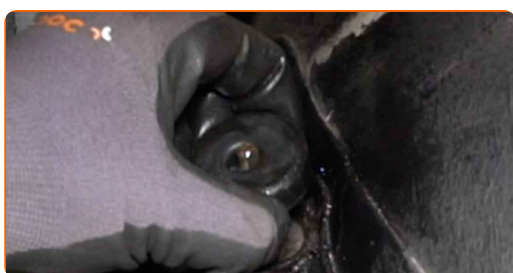
- 12** Unscrew the lower fasteners of the shock absorber. Use a combination spanner #17. Use a drive socket #17. Use a ratchet wrench.



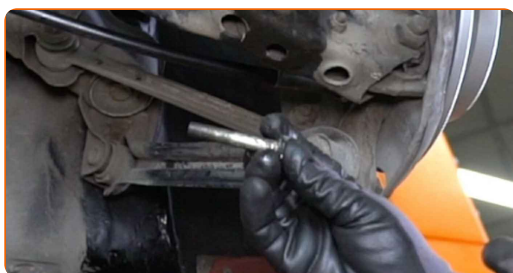
- 13** Unscrew the upper fastener of the shock absorber.



- 14** Remove the elements of the shock absorber upper mount.



- 15** Remove the fastening bolt.



- 16** Remove the shock absorber.



17

Clean the shock absorber mounting seats. Use a wire brush. Use all-purpose cleaning spray.



18

Place the shock absorber in the wheel arch and secure it.



AUTODOC recommends:

- Before installing a new shock absorber you should pump it 3–5 times by hand.

19

Install the elements of the shock absorber upper mount.

20

Screw the upper fastener of the shock absorber.

21

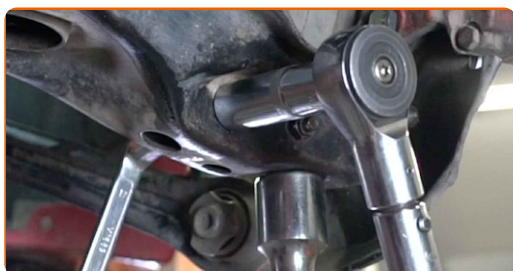
Install the fastening bolt.



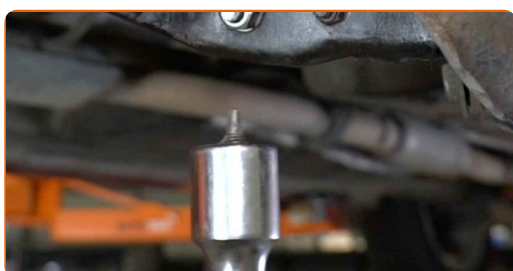
22

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

- 23** 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.



- 24** Remove the support from under the rear control arm.



Replacement: shock absorbers – Mercedes W124. AUTODOC recommends:

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

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



26

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



27

Install the wheel.

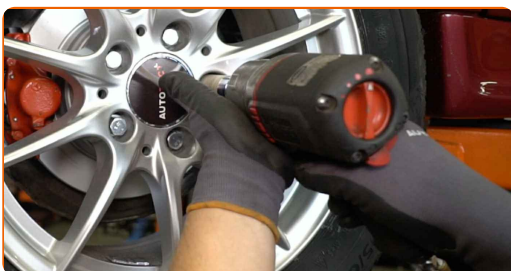


AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Mercedes W124

28

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



- 29** 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.



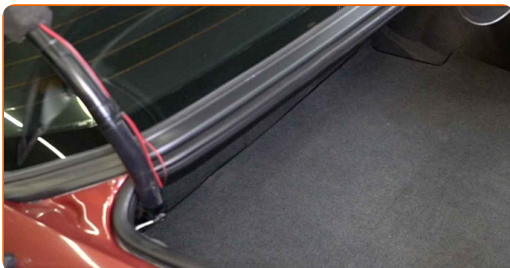
- 30** Remove the jacks and chocks.



- 31** Tighten the top fastener of the shock absorber. Use a special drive socket to remove the shock absorber # 16. Use a shock absorber socket #DD6. Use a torque wrench. Tighten it to 30 Nm torque.

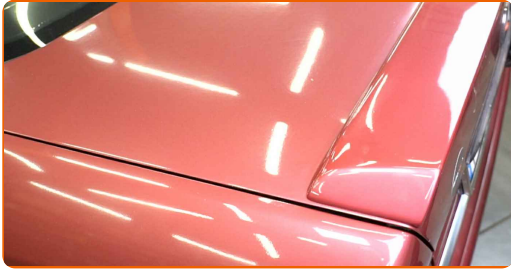


- 32** Install the luggage compartment trim.



33

Close the luggage compartment.



WELL DONE! 

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