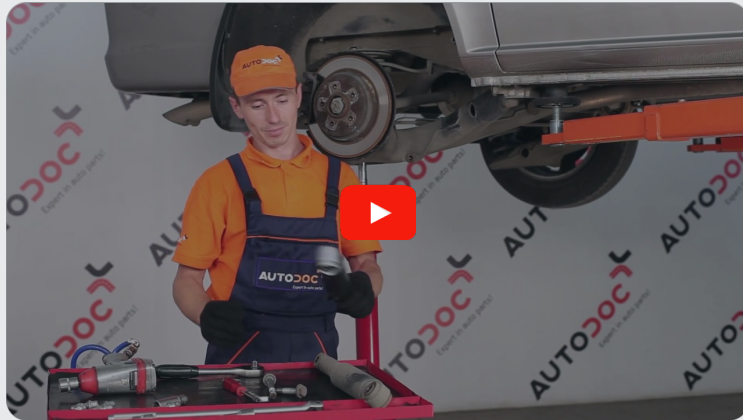




How to change rear  
shock absorbers on  
**Mercedes Vito W639** –  
replacement guide

**VIDEO TUTORIAL**



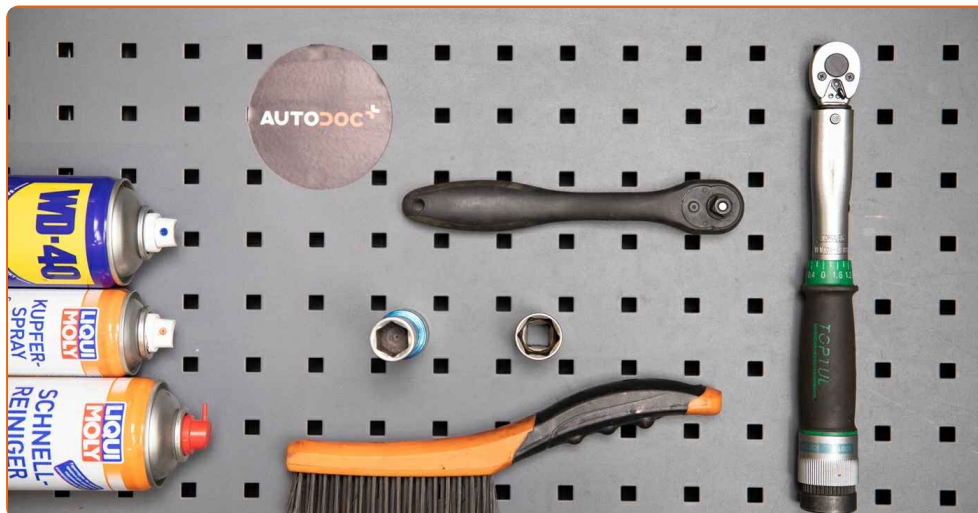
** Important!**

This replacement procedure can be used for:

MERCEDES-BENZ VITO / MIXTO Box (W639) 110 CDI 2.2, MERCEDES-BENZ VITO / MIXTO Box (W639) 113 CDI 2.2, MERCEDES-BENZ VITO / MIXTO Box (W639) 116 CDI 2.2, MERCEDES-BENZ VITO / MIXTO Box (W639) 122 CDI 3.0, MERCEDES-BENZ VITO Bus (W639) 110 CDI 2.2, MERCEDES-BENZ VITO Bus (W639) 113 CDI 2.2, MERCEDES-BENZ VITO Bus (W639) 116 CDI 2.2, MERCEDES-BENZ VITO Bus (W639) 122 CDI 3.0, MERCEDES-BENZ VIANO (W639) CDI 2.0 (639.811, 639.813, 639.815), MERCEDES-BENZ VIANO (W639) CDI 2.2 (639.811, 639.813, 639.815), MERCEDES-BENZ VIANO (W639) CDI 3.0 (639.811, 639.813, 639.815), MERCEDES-BENZ VIANO (W639) CDI 2.0 4-matic (639.811, 639.813, 639.815), MERCEDES-BENZ VIANO (W639) CDI 2.2 4-matic (639.811, 639.813, 639.815), MERCEDES-BENZ VITO Bus (W639) 116 CDI 2.2 4x4, MERCEDES-BENZ VITO Bus (W639) 113 CDI 2.2 4x4, (+ 29)

The steps may slightly vary depending on the car design.

REPLACEMENT: SHOCK ABSORBERS – MERCEDES VITO W639. TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Drive socket # 21
- Wheel impact socket #17
- Ratchet wrench
- Hydraulic transmission jack
- Wheel chock

**BUY TOOLS**

Replacement: shock absorbers – Mercedes Vito W639. 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.
- All work should be done with the engine stopped.

**REPLACEMENT: SHOCK ABSORBERS – MERCEDES VITO W639. USE THE FOLLOWING PROCEDURE:**

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 Vito W639

5

Remove the wheel.



6

Support the arm. Use a hydraulic transmission jack.

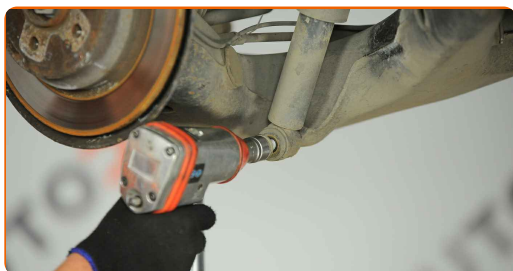


7

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

8

Unscrew the lower fastener of the shock absorber. Use a drive socket #21. Use a ratchet wrench.



9

Remove the fastening bolt.

10

Unscrew the upper fastener of the shock absorber. Use a drive socket #21. Use a ratchet wrench.

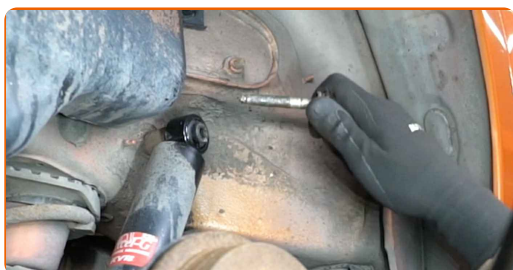


Replacement: shock absorbers – Mercedes Vito W639. AUTODOC recommends:

- To avoid injuries, hold the shock absorber when undoing the fastening bolts.

11

Remove the fastening bolt.



**12**

Remove the shock absorber.



**13**

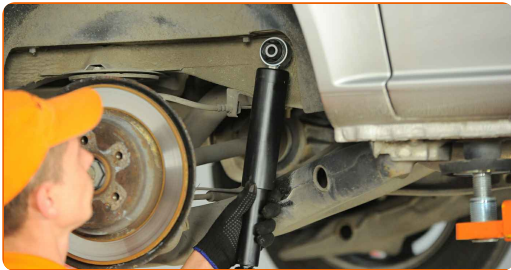
Clean the shock absorber mounting seats. Use a wire brush. Use WD-40 spray.

Replacement: shock absorbers – Mercedes Vito W639. AUTODOC experts recommend:

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

**14**

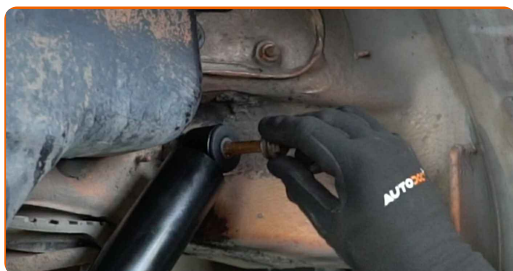
Place the shock absorber in the wheel arch and fasten it.



AUTODOC recommends:

- Mercedes Vito W639 – To avoid injury, hold the shock absorber while screwing in the fastening bolts.

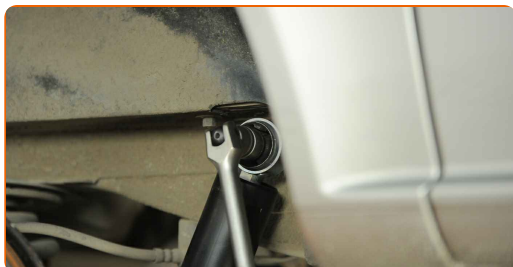
**15** Install the fastening bolts.



**16** Tighten the lower fastener of the shock absorber. Use a drive socket #21. Use a torque wrench. Tighten it to 130 Nm torque.



**17** Tighten the top shock absorber fastening. Use a drive socket #21. Use a torque wrench. Tighten it to 130 Nm torque.



**18** Remove the support from under the arm.

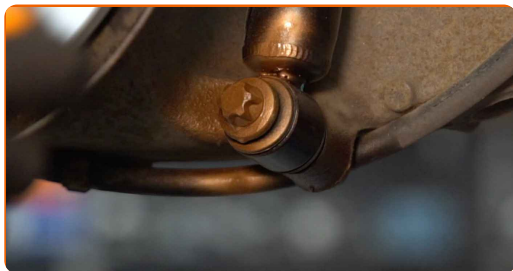


**AUTODOC recommends:**

- Replacement: shock absorbers – Mercedes Vito W639. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.



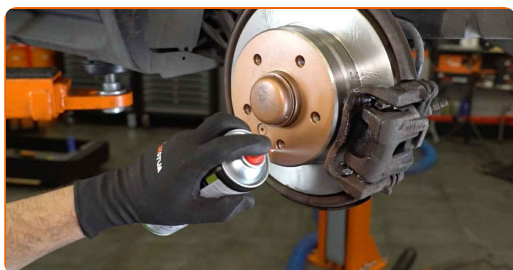
**19** Treat the shock absorber fasteners. Use copper grease.



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



**21** Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: shock absorbers – Mercedes Vito W639. After applying the spray, wait a few minutes.

**22** Install the wheel.

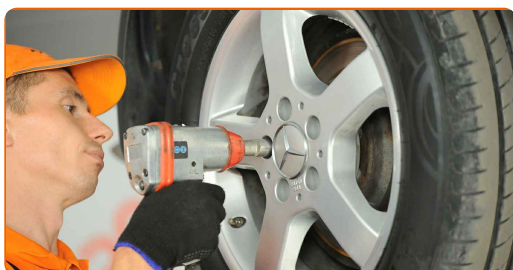


**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Mercedes Vito W639

**23**

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



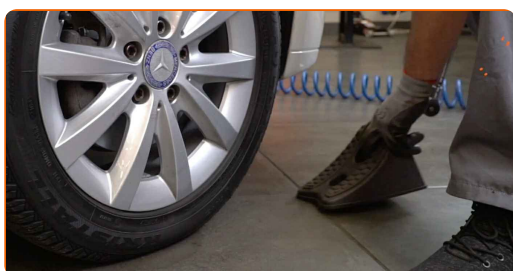
**24**

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 130 nm torque.



**25**

Remove the jacks and chocks.



**WELL DONE!** 

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