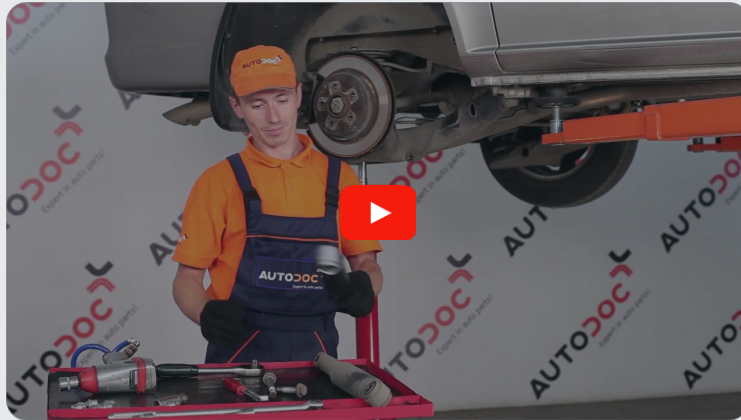




How to change rear
shock absorbers on
MERCEDES-BENZ
VIANO (W639) –
replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

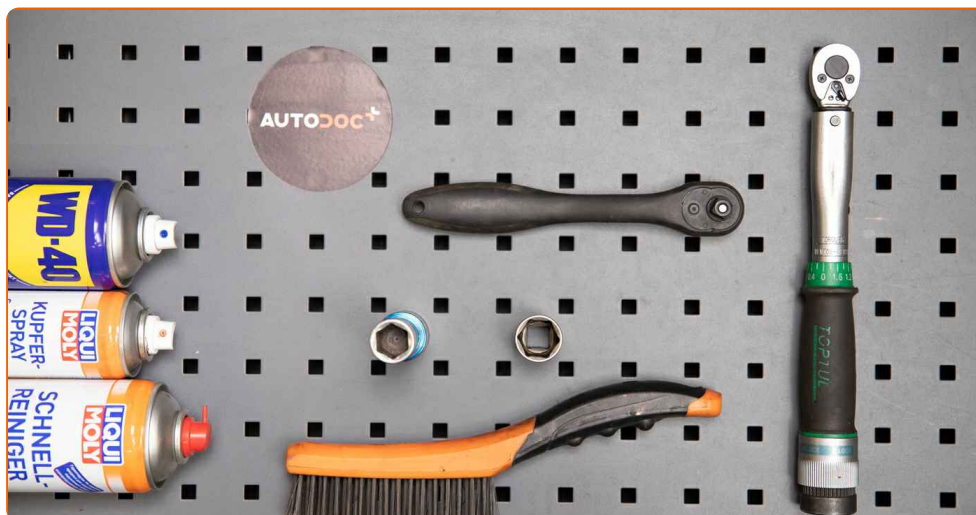
This replacement procedure can be used for:

MERCEDES-BENZ VIANO (W639) CDI 2.2 (639.811, 639.813, 639.815, 639.711, 639.713), MERCEDES-BENZ VIANO (W639) CDI 3.0 (639.811, 639.813, 639.815), MERCEDES-BENZ VIANO (W639) CDI 2.2 4-matic (639.811, 639.813, 639.815, 639.711,...), MERCEDES-BENZ VIANO (W639) 3.2 (639.711, 639.811, 639.813), MERCEDES-BENZ VIANO (W639) 3.2 (639.713, 639.813, 639.815), MERCEDES-BENZ VIANO (W639) CDI 2.2 (639.711, 639.713, 639.811, 639.813, 639.815), MERCEDES-BENZ VIANO (W639) CDI 2.0 (639.711, 639.713, 639.811, 639.813, 639.815), MERCEDES-BENZ VIANO (W639) CDI 2.0 4-matic (639.713), MERCEDES-BENZ VIANO (W639) CDI 2.2 4-matic (639.711, 639.713, 639.811, 639.813,...), MERCEDES-BENZ VIANO (W639) 3.5 (639.811, 639.813, 639.815), MERCEDES-BENZ VIANO (W639) 3.7 (639.811, 639.813, 639.815)

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: MERCEDES-BENZ VITO Bus (W639) 115 CDI (639.701, 639.703, 639.705)

**REPLACEMENT: SHOCK ABSORBERS – MERCEDES-
BENZ VIANO (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-BENZ VIANO (W639). AUTODOC recommends:

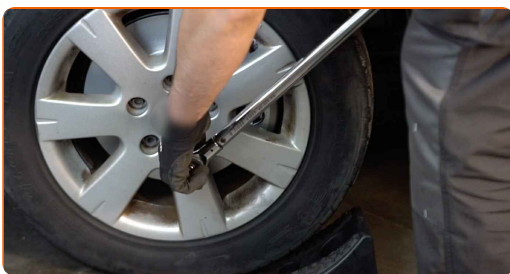
- Both shock absorbers of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock absorbers of the rear suspension.
- All work should be done with the engine stopped.

REPLACEMENT: SHOCK ABSORBERS – MERCEDES-BENZ VIANO (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-BENZ VIANO (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.

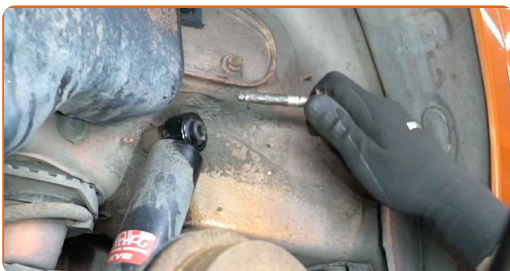


Replacement: shock absorbers – MERCEDES-BENZ VIANO (W639). AUTODOC recommends:

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

11

Remove the fastening bolt.



12

Remove the shock absorber.



13

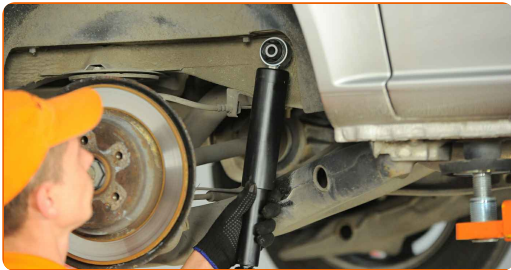
Clean the shock absorber mounting seats. Use a wire brush. Use WD-40 spray.

Replacement: shock absorbers – MERCEDES-BENZ VIANO (W639). AUTODOC experts recommend:

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

14

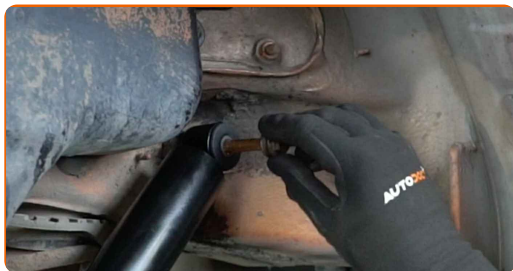
Place the shock absorber in the wheel arch and fasten it.



AUTODOC recommends:

- MERCEDES-BENZ VIANO (W639) – To avoid injury, hold the shock absorber while screwing in the fastening bolts.

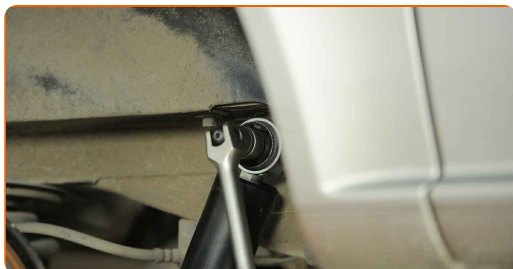
15 Install the fastening bolts.



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.



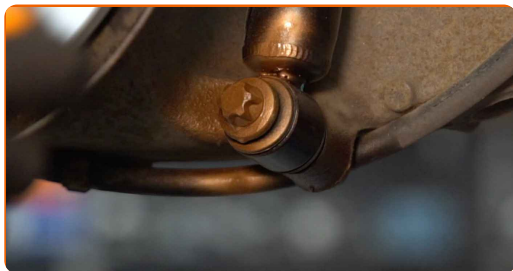
18 Remove the support from under the arm.



AUTODOC recommends:

- Replacement: shock absorbers – MERCEDES-BENZ VIANO (W639). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

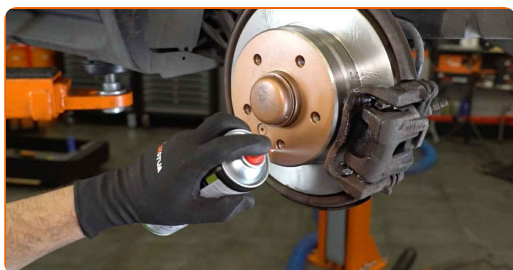
19 Treat the shock absorber fasteners. Use copper grease.



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-BENZ VIANO (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-BENZ VIANO (W639)

23

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



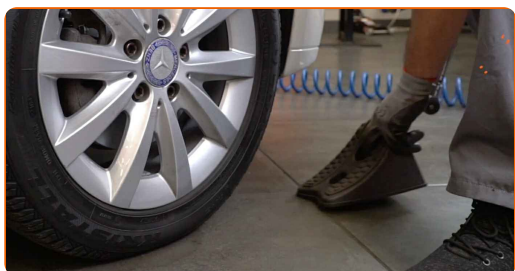
24

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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SHOCK ABSORBERS: A WIDE SELECTION

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