



How to change rear  
shock absorbers on **VW  
Multivan VI (SGF, SGM,  
SGN)** – 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:

VW Multivan VI (SGF, SGM, SGN) 2.0 TDI, VW Multivan VI (SGF, SGM, SGN) 2.0 TDI 4motion, VW Multivan VI (SGF, SGM, SGN) 2.0 TSI, VW Multivan VI (SGF, SGM, SGN) 2.0 TSI 4motion

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: VW Multivan V (7HM, 7HN, 7HF, 7EF, 7EM, 7EN) 1.9 TDI

**REPLACEMENT: SHOCK ABSORBERS – VW MULTIVAN VI (SGF, SGM, SGN). TOOLS YOU NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Ceramic grease
- Copper grease
- Torque wrench
- Combination spanner #21
- Drive socket # 18
- Drive socket # 21
- Wheel impact socket #19
- Ratchet wrench
- Hydraulic transmission jack
- Wheel chock

**Buy tools**

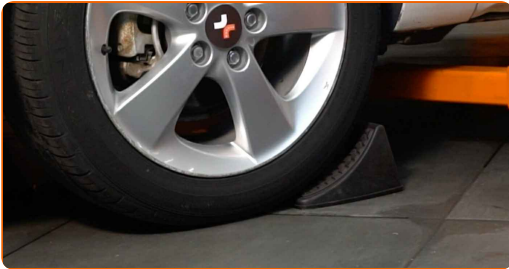
Replacement: shock absorbers – VW Multivan VI (SGF, SGM, SGN). AUTODOC experts recommend:

- 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.
- Please note: all work on the car – VW Multivan VI (SGF, SGM, SGN) – 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 #19.



3

Raise the rear of the car and secure on supports.

**4** Unscrew the wheel bolts.



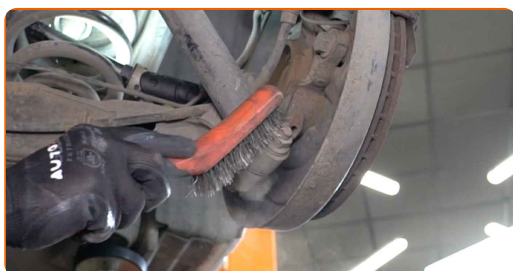
**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. VW Multivan VI (SGF, SGM, SGN)

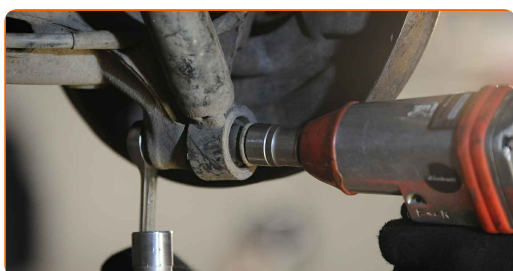
**5** Remove the wheel.



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



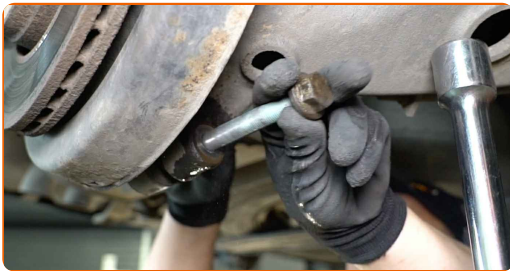
**7** Unscrew the lower fastener of the shock absorber. Use a combination spanner #21. Use a drive socket #21. Use a ratchet wrench.



**8** Support the arm. Use a hydraulic transmission jack.



**9** Remove the fastening bolt.



**10** Unscrew the upper fastener of the shock absorber. Use a drive socket #18. Use a ratchet wrench.



**11** Remove the fastening bolt.

**AUTODOC recommends:**

- Important! Hold the shock absorber while unscrewing the fastening bolts. VW Multivan VI (SGF, SGM, SGN)

**12** Remove the shock absorber.



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



Replacement: shock absorbers – VW Multivan VI (SGF, SGM, SGN). Tip from AUTODOC:

- 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.



**15** Install the fastening bolts.



**AUTODOC recommends:**

- Important! Hold the shock absorber while screwing in the fastening bolts. VW Multivan VI (SGF, SGM, SGN)
- For tightening the fasteners correctly, you have to jack up the suspension components to their working position.

**16**

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

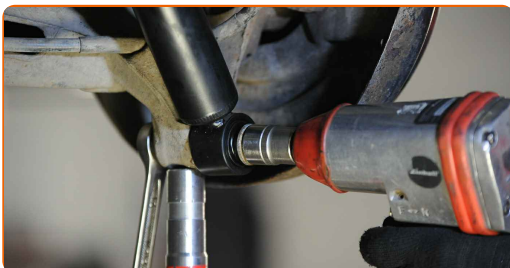


**AUTODOC recommends:**

- Important! Be sure to use new fasteners.

**17**

Tighten the lower fastener of the shock absorber. Use a combination spanner #21. Use a drive socket #21. Use a torque wrench. Tighten it to 120 Nm torque.+90°



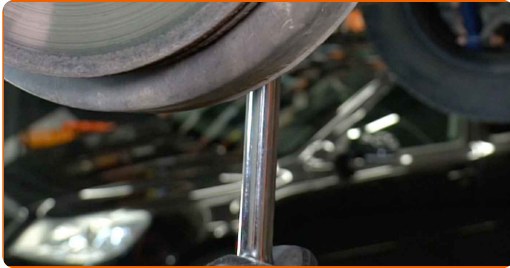


**AUTODOC recommends:**

- Important! Be sure to use new fasteners.

**18**

Remove the support from under the arm.



**AUTODOC recommends:**

- Replacement: shock absorbers – VW Multivan VI (SGF, SGM, SGN). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

**19**

Treat the shock absorber fasteners. Use copper grease.

**20**

Clean the wheel rim mounting seat. Use a wire brush.

**21**

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



**22**

Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: shock absorbers – VW Multivan VI (SGF, SGM, SGN). After applying the spray, wait a few minutes.

**23**

Install the wheel.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. VW Multivan VI (SGF, SGM, SGN)

**24**

Screw in the wheel bolts. Use wheel impact socket #19.

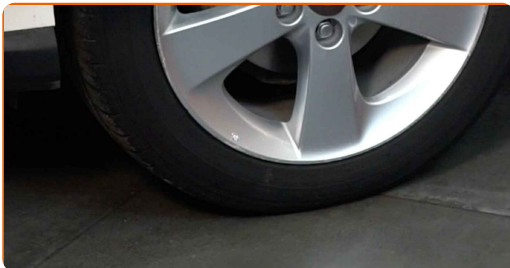


**25**

Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 180 Nm torque.

**26**

Remove the jacks and chocks.



**WELL DONE!** 

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