



How to change rear  
shock absorbers on **VW  
Transporter VI Platform  
/ Chassis (SFD, SFE, SFL,  
SFZ)** – 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 Transporter VI Platform / Chassis (SFD, SFE, SFL, SFZ) 2.0 TDI, VW Transporter VI Platform / Chassis (SFD, SFE, SFL, SFZ) 2.0 TDI 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  
TRANSPORTER VI PLATFORM / CHASSIS (SFD, SFE,  
SFL, SFZ). 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**

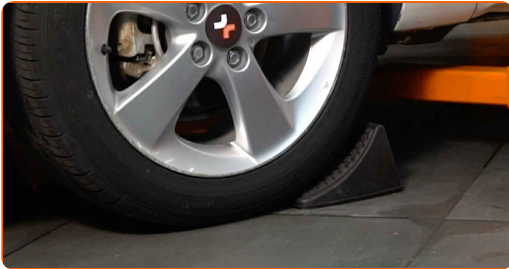
Replacement: shock absorbers – VW Transporter VI Platform / Chassis (SFD, SFE, SFL, SFZ). AUTODOC experts recommend:

- 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 Transporter VI Platform / Chassis (SFD, SFE, SFL, SFZ) – 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.



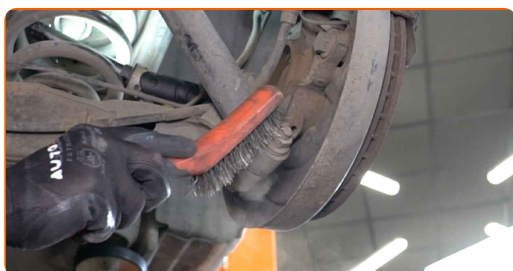
**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. VW Transporter VI Platform / Chassis (SFD, SFE, SFL, SFZ)

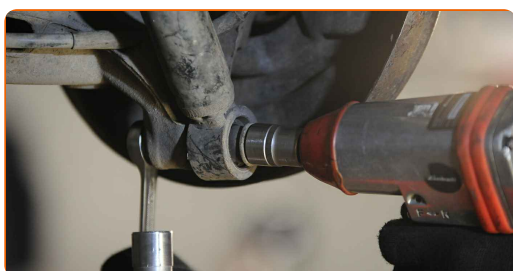
**5** Remove the wheel.



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



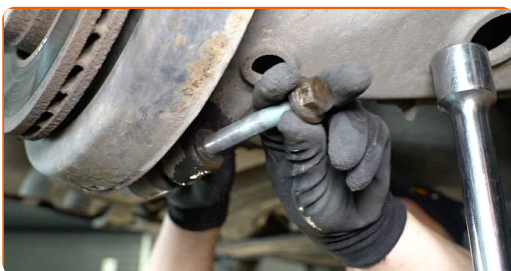
**7** Unscrew the lower fastener of the shock absorber. Use a combination spanner #21. Use a drive socket #21. Use a ratchet wrench.



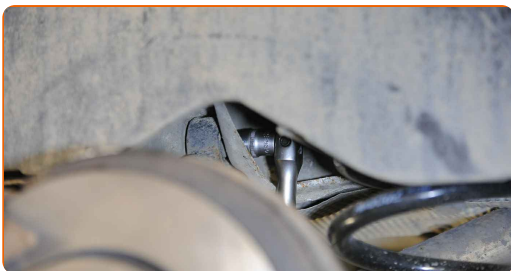
**8** Support the arm. Use a hydraulic transmission jack.



**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.

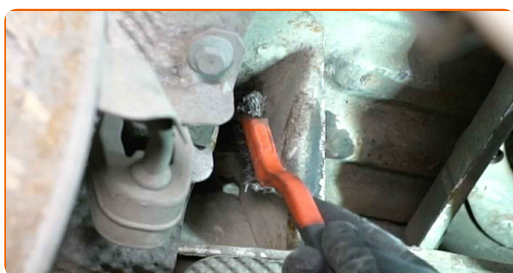
**AUTODOC recommends:**

- Important! Hold the shock absorber while unscrewing the fastening bolts. VW Transporter VI Platform / Chassis (SFD, SFE, SFL, SFZ)

**12** Remove the shock absorber.



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



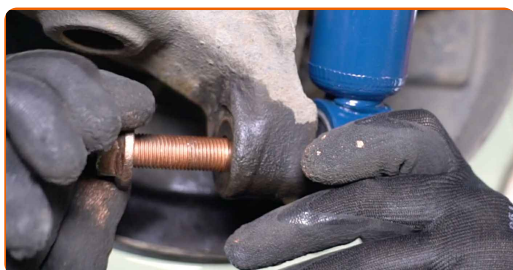
Replacement: shock absorbers – VW Transporter VI Platform / Chassis (SFD, SFE, SFL, SFZ). Tip from AUTODOC:

- 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 Transporter VI Platform / Chassis (SFD, SFE, SFL, SFZ)
- 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°

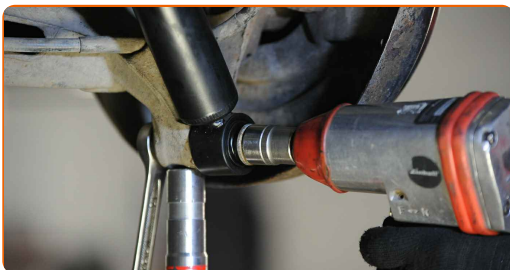


**AUTODOC recommends:**

- 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°



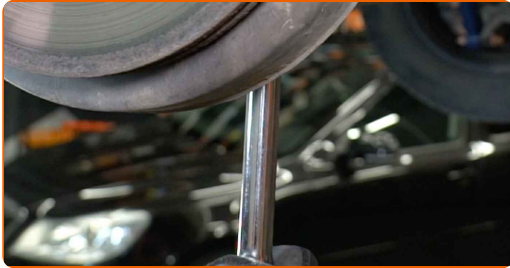


**AUTODOC recommends:**

- Important! Be sure to use new fasteners.

**18**

Remove the support from under the arm.



**AUTODOC recommends:**

- Replacement: shock absorbers – VW Transporter VI Platform / Chassis (SFD, SFE, SFL, SFZ). 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 Transporter VI Platform / Chassis (SFD, SFE, SFL, SFZ). 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 Transporter VI Platform / Chassis (SFD, SFE, SFL, SFZ)

24

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

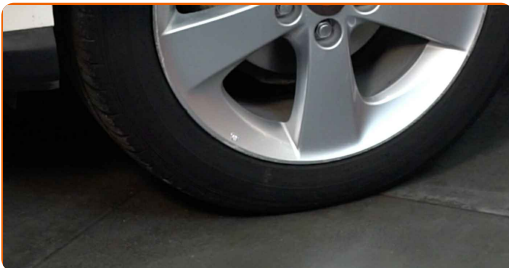


**25**

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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