



How to change rear  
shock absorbers on **VW**  
**Golf 6** – replacement  
guide

## VIDEO TUTORIAL



### **ⓘ Important!**

This replacement procedure can be used for:

VW Touran I (1T1, 1T2) 1.9 TDI, VW Touran I (1T1, 1T2) 1.6 FSI, VW Touran I (1T1, 1T2) 2.0 TDI, VW Golf V Hatchback (1K1) 1.4 16V, VW Golf V Hatchback (1K1) 2.0 TDI 16V, VW Golf V Hatchback (1K1) 2.0 FSI, VW Golf V Hatchback (1K1) 1.9 TDI, VW Touran I (1T1, 1T2) 1.6, VW Golf V Hatchback (1K1) 1.6 FSI, VW Golf V Hatchback (1K1) 1.4 FSI, VW Touran I (1T1, 1T2) 2.0 FSI, VW Touran I (1T1, 1T2) 2.0 TDI 16V, VW Golf V Hatchback (1K1) 2.0 SDI, VW Golf V Hatchback (1K1) 1.6, VW Golf Plus / Crossgolf (5M1, 521) 1.4 16V, (+ 39)

The steps may slightly vary depending on the car design.

## REPLACEMENT: SHOCK ABSORBERS – VW GOLF 6. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Drive socket # 14
- Drive socket # 15
- Drive socket # 18
- Drive socket # 21
- Combination spanner #14
- Combination spanner #18
- Combination spanner #21
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Vice
- Hydraulic transmission jack
- Wheel chock

**BUY TOOLS**

### Replacement: shock absorbers – VW Golf 6. 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.
- All work should be done with the engine stopped.

## REPLACEMENT: SHOCK ABSORBERS – VW GOLF 6. RECOMMENDED SEQUENCE OF STEPS:

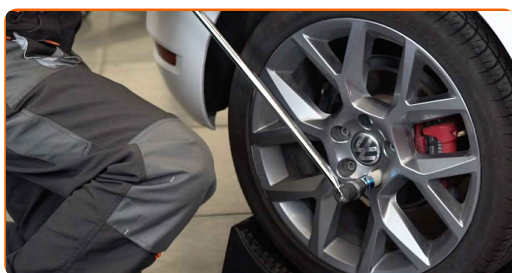
1

Secure the wheels with chocks.



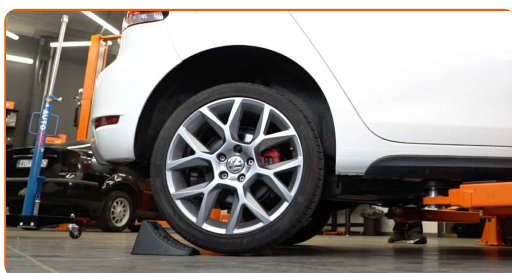
2

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.

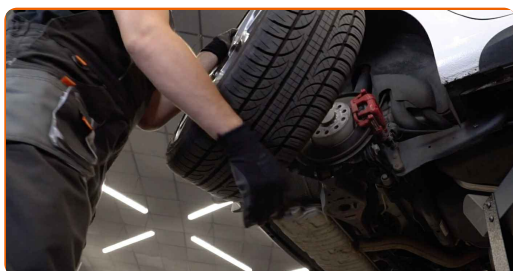


## AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. VW Golf 6

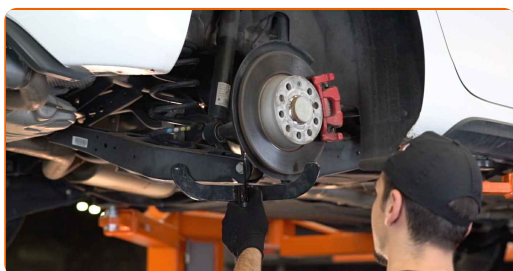
5

Remove the wheel.



6

Support the arm. Use a hydraulic transmission jack.



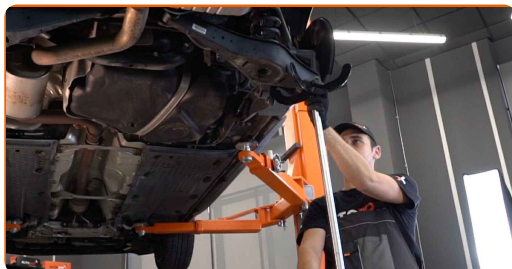
7

Unscrew the fastener connecting the control arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



8

Lower the hydraulic transmission jack by 10-15 cm.

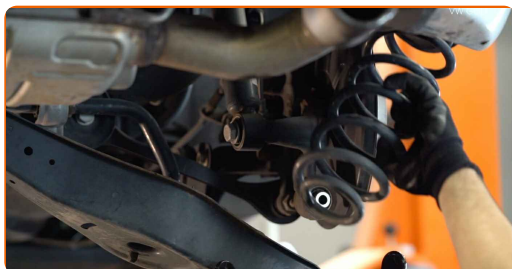


Replacement: shock absorbers – VW Golf 6. AUTODOC recommends:

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

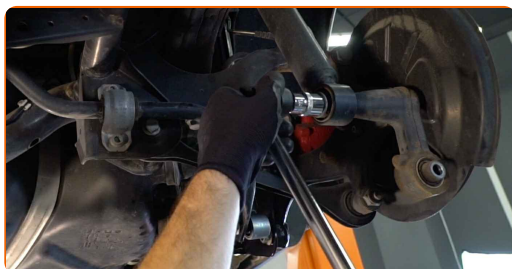
9

Remove the spring.



10

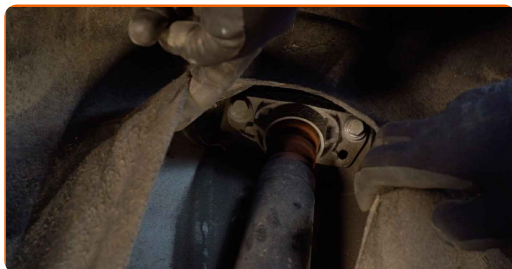
Unscrew the lower fastener of the shock absorber. Use a drive socket #21. Use a tap wrench.





11

Unscrew the upper fastener of the shock absorber. Use a drive socket #15. Use a ratchet wrench.



Replacement: shock absorbers – VW Golf 6. AUTODOC experts recommend:

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

12

Remove the shock absorber.



13

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



14

Grip the shock absorber in a vice.



15

Remove the shock absorber piston rod fastening. Use a combination spanner #14.



16

Remove the shock absorber mount, boot and bump stop.



### AUTODOC recommends:

- Replacement: shock absorbers – VW Golf 6. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.
- Before installing a new shock absorber you should pump it manually 3-5 times.



- 17 Install the mount, boot and bump stop onto a new shock absorber.



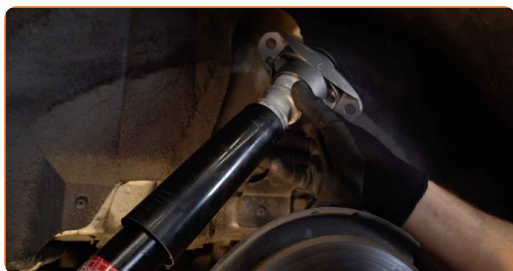
- 18 Fix the shock absorber mount. Use a combination spanner #14. Use a drive socket #14. Use a torque wrench. Tighten it to 25 Nm torque.



- 19 Release the vice and take out the shock absorber.



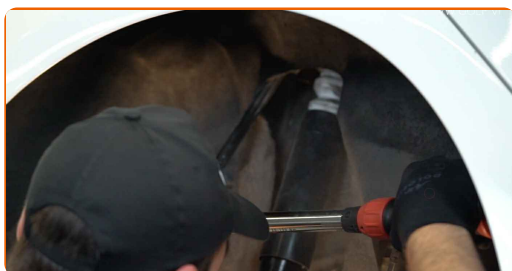
- 20 Place the shock absorber in the wheel arch and secure it.



### AUTODOC recommends:

- Important! Hold the shock absorber while screwing in the fastening bolts. VW Golf 6

- 21** Tighten the shock absorber mount fasteners. Use a drive socket #15. Use a torque wrench. Tighten it to 50 Nm torque. +45°



### AUTODOC recommends:

- Important! Be sure to use new fasteners.

- 22** Clean the shock absorber fasteners. Use WD-40 spray.



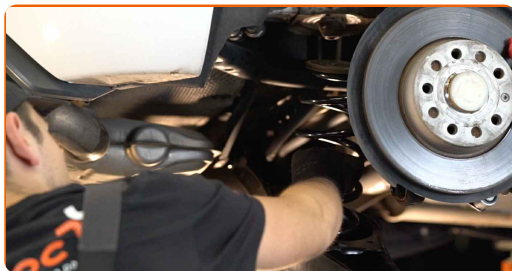
- 23** Tighten the lower fastener of the shock absorber. Use a drive socket #21. Use a torque wrench. Tighten it to 180 Nm torque.



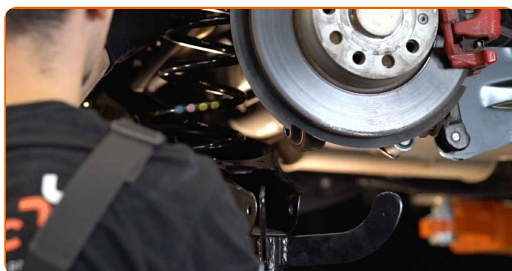
### AUTODOC recommends:

- Important! Be sure to use new fasteners.

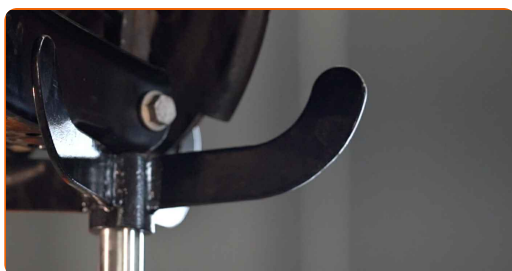
24 Install the spring.



25 Support the arm. Use a hydraulic transmission jack.



26 Tighten the fasteners connecting the control arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 90 Nm torque.+90°



## AUTODOC recommends:

- Important! Be sure to use new fasteners.

27 Remove the support from under the rear arm.

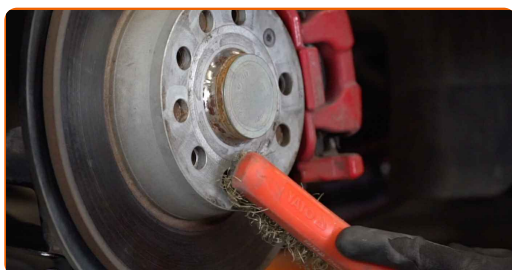


### AUTODOC recommends:

- Replacement: shock absorbers – VW Golf 6. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

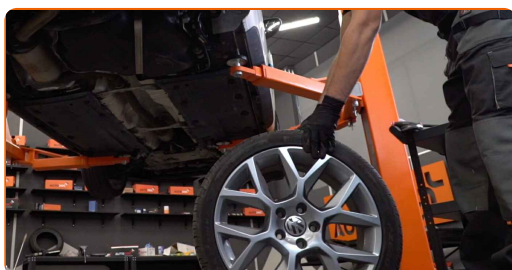
28

Clean the wheel rim mounting seat. Use a wire brush. Treat the contacting surface. Use copper grease.



29

Install the wheel.

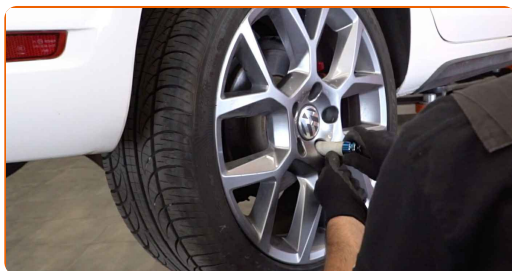


### Replacement: shock absorbers – VW Golf 6. Tip from AUTODOC experts:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

30

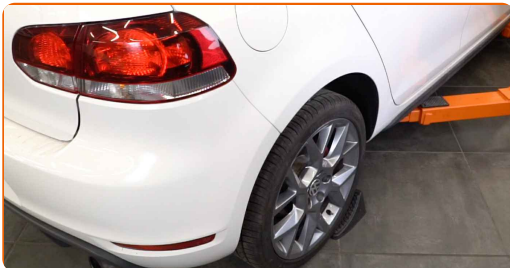
Screw in the wheel bolts. Use wheel impact socket #17.



- 31** Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 Nm torque.



- 32** Remove the jacks and chocks.



**WELL DONE!** 

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