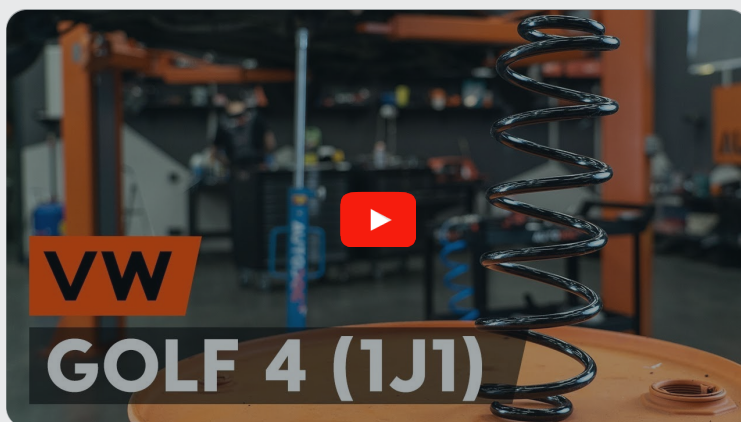




How to change rear coil  
springs on **VW Golf 4** –  
replacement guide

## VIDEO TUTORIAL



### **ⓘ Important!**

This replacement procedure can be used for:

VW Golf IV Hatchback (1J1) 1.9 TDI, VW Golf IV Hatchback (1J1) 1.6, VW Golf IV Hatchback (1J1) 1.9 SDI, VW Golf IV Hatchback (1J1) 1.4 16V, VW Golf IV Hatchback (1J1) 1.8, VW Golf IV Hatchback (1J1) 1.8 T, VW Golf IV Hatchback (1J1) 2.3 V5, VW New Beetle Hatchback (9C1, 1C1) 2.0, VW New Beetle Hatchback (9C1, 1C1) 1.9 TDI, VW Golf IV Hatchback (1J1) 2.0, VW New Beetle Hatchback (9C1, 1C1) 1.6, VW New Beetle Hatchback (9C1, 1C1) 1.8 T, VW Golf IV Hatchback (1J1) 1.6 16V, VW Golf IV Hatchback (1J1) 1.8 T GTI, VW New Beetle Hatchback (9C1, 1C1) 1.4

The steps may slightly vary depending on the car design.

## REPLACEMENT: COIL SPRINGS – VW GOLF 4. LIST OF THE TOOLS YOU'LL NEED:



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

**BUY TOOLS**

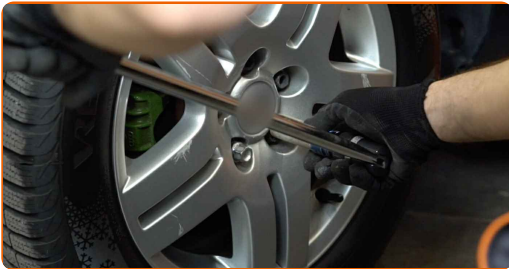
### Replacement: coil springs – VW Golf 4. Tip from AUTODOC experts:

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

## REPLACEMENT: COIL SPRINGS – VW GOLF 4. TAKE THE FOLLOWING 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.

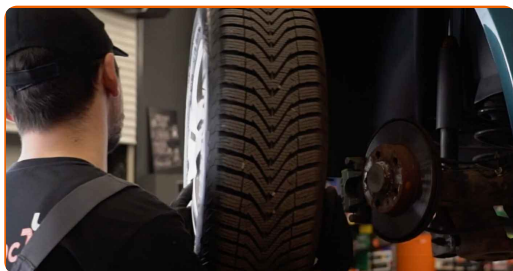


### AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. VW Golf 4

5

Remove the wheel.



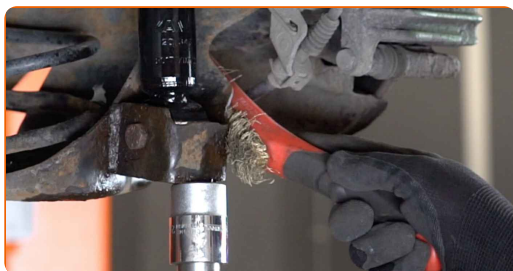
6

Secure the rear axle beam. Use a hydraulic transmission jack.



7

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



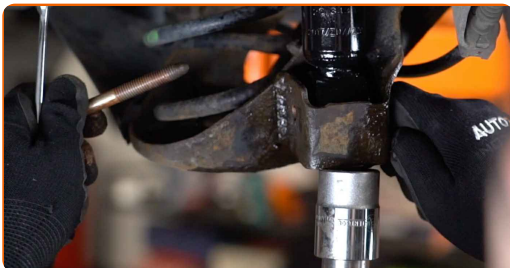
- 8 Unscrew the lower fastener of the shock absorber. Use a combination spanner #21. Use a drive socket #21. Use a tap wrench.



### AUTODOC recommends:

- VW Golf 4 – To avoid injury, hold the suspension strut while unscrewing the fastening bolts.

- 9 Remove the fastening bolt.



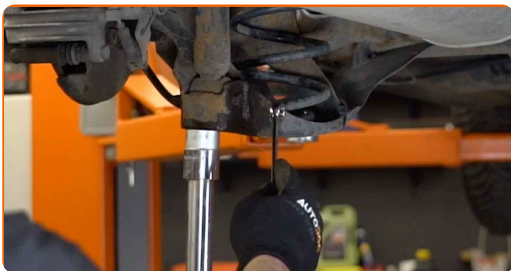
- 10 Remove the mounting from under the rear axle beam.



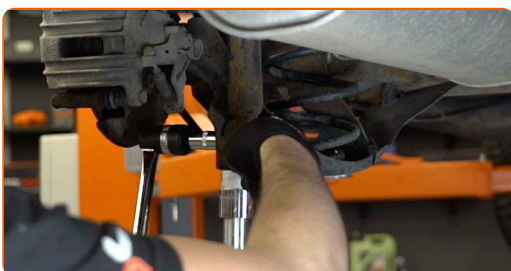
### AUTODOC recommends:

- Replacement: coil springs – VW Golf 4. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

- 11 Secure the rear axle beam. Use a hydraulic transmission jack.



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



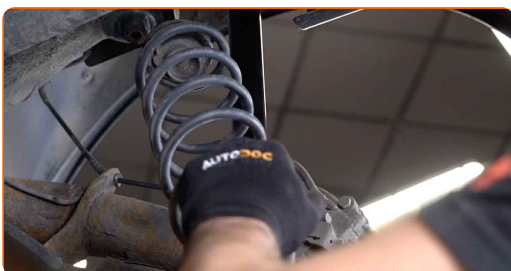
- 13 Remove the mounting from under the rear axle beam.



### AUTODOC recommends:

- VW Golf 4 – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

- 14 Remove the spring.





**15** Remove the rubber spring spacer.

**16** Clean the coil spring mounting seats. Use a wire brush. Use WD-40 spray.



**17** Install the rubber spacer on the new coil spring.

**18** Install the coil spring together with the rubber mounts into the mounting seats.



**19** Secure the rear axle beam. Use a hydraulic transmission jack.

**20** Screw in the lower fastener of the shock absorber. Use a combination spanner #21. Use a drive socket #21.

**21** Remove the mounting from under the rear axle beam.

### AUTODOC recommends:

- VW Golf 4 – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.



22

Secure the rear axle beam. Use a hydraulic transmission jack.

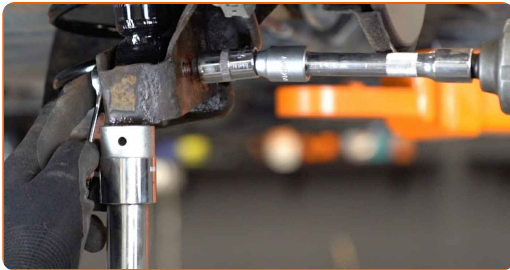


23

Install the fastening bolt.

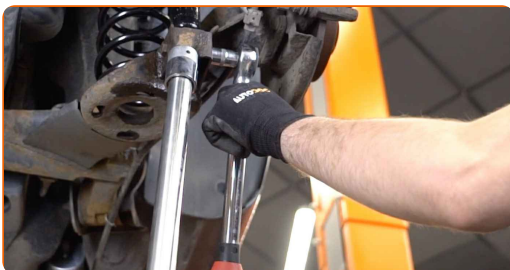
24

Screw in the lower fastener of the shock absorber. Use a combination spanner #21. Use a drive socket #21.



25

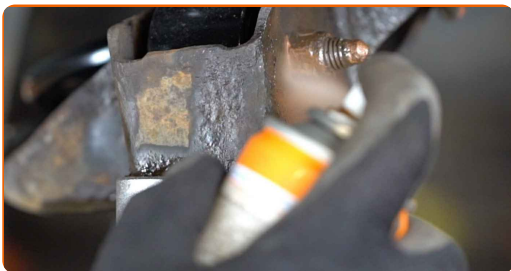
Tighten the lower fastener of the shock absorber. Use a combination spanner #21. Use a drive socket #21. Use a torque wrench. Tighten it to 40 Nm torque.+90°



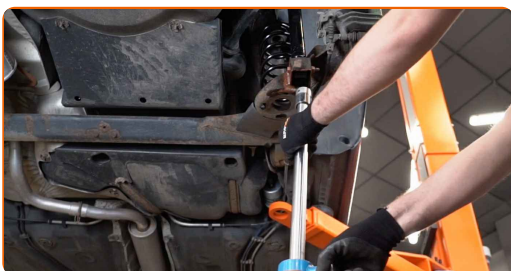
### AUTODOC recommends:

- Important! Be sure to use new fasteners.

- 26 Treat the shock absorber fasteners. Use copper grease.



- 27 Remove the mounting from under the rear axle beam.



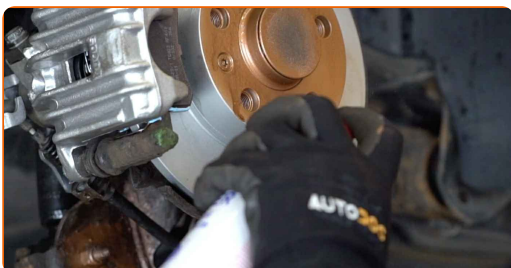
### AUTODOC recommends:

- Replacement: coil springs – VW Golf 4. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

- 28 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



- 29 Clean the brake disk surface. Use a brake cleaner.



### AUTODOC recommends:

- Replacement: coil springs – VW Golf 4. After applying the spray, wait a few minutes.

30

Install the wheel.

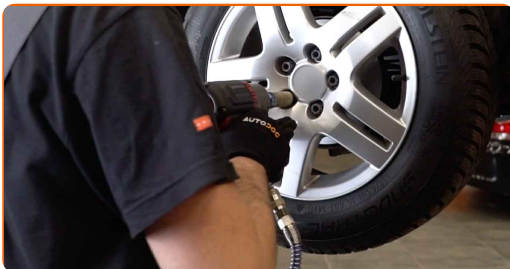


### AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. VW Golf 4

31

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



32

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



**33**

Remove the jacks and chocks.

**WELL DONE!** [VIEW MORE TUTORIALS](#)

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