VIDEO TUTORIAL

ⓘ Important!

This replacement procedure can be used for:
VW GOLF V (1K1) 1.6, VW JETTA III (1K2) 1.6, VW TOURAN (1T1, 1T2) 1.6

The steps may slightly vary depending on the car design.

REPLACEMENT: SHOCK ABSORBERS – VW GOLF 5. TOOLS YOU NEED:

- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #16
- Combination spanner #18
- Combination spanner #21
- Drive socket # 10
- Drive socket # 16
- Drive socket # 18
- Drive socket # 21
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Crow bar
- Locking pliers
- Vice
- Hydraulic transmission jack
- Wheel chock

Replacement: shock absorbers – VW Golf 5. 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.
- Warning! Shut down the engine before starting any work – VW Golf 5.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

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.

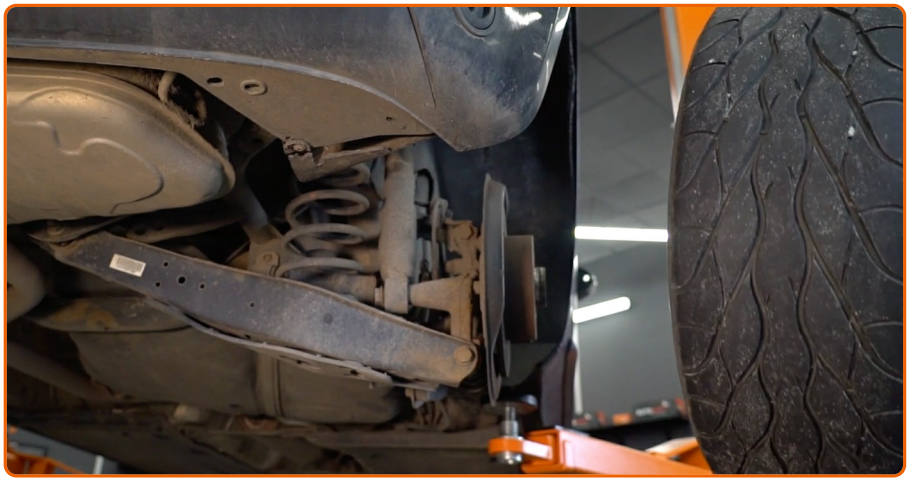
4

Unscrew the wheel bolts.

AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. VW Golf 5

5



Remove the wheel.

6

Clean all joints of the arm. Use a wire brush. Use WD-40 spray.

7

Make a mark on the camber adjustment bolt.

8

Unscrew the arm fastening to the beam. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.

9

Support the arm. Use a hydraulic transmission jack.

10

Remove the fastening bolt. Use a crowbar.

11

Remove the support from under the arm.

Replacement: shock absorbers – VW Golf 5. AUTODOC experts recommend:

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

12

Take out the spring.

13

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

14

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

15

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

Replacement: shock absorbers – VW Golf 5. Tip from AUTODOC experts:

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

16

Remove the shock absorber.

17

Grip the shock absorber in a vice.

18

Remove the protective cap of the shock absorber mount. Use a crowbar.

19

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

20

Remove the shock absorber piston rod fastening. Use a combination spanner #16. Use locking pliers.

21

Remove the shock absorber mount, boot and bump stop.

Replacement: shock absorbers – VW Golf 5. Tip:

- Examine the shock absorber dust cap and the bump stop. Replace them if necessary.
- Before installing a new shock absorber you should pump it manually 3-5 times.

22

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

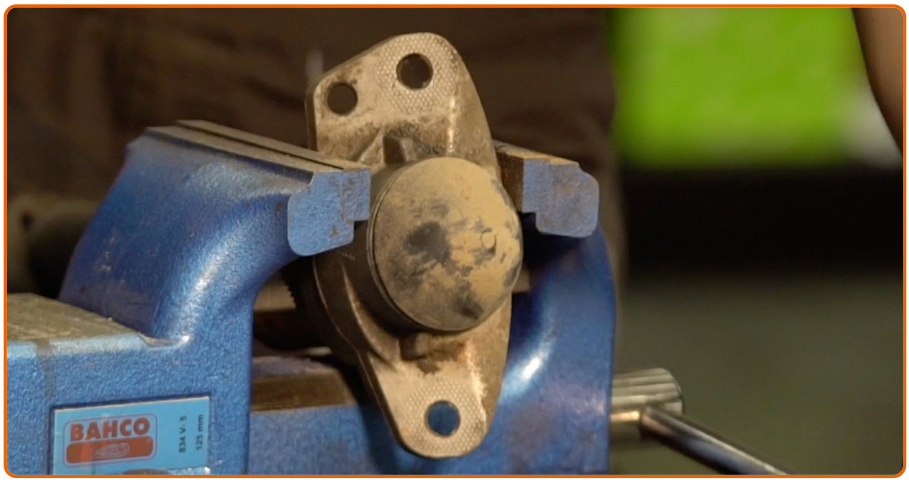
23

Screw the shock strut piston rod upper fastening. Use a combination spanner #16. Use a drive socket #16. Use locking pliers. Use a torque wrench. Tighten it to 30 Nm torque.

24

Treat the shock absorber rod fastener. Use copper grease.

25



Install the protective cap of the shock absorber mount.

26

Release the vice and take out the shock absorber.

27

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

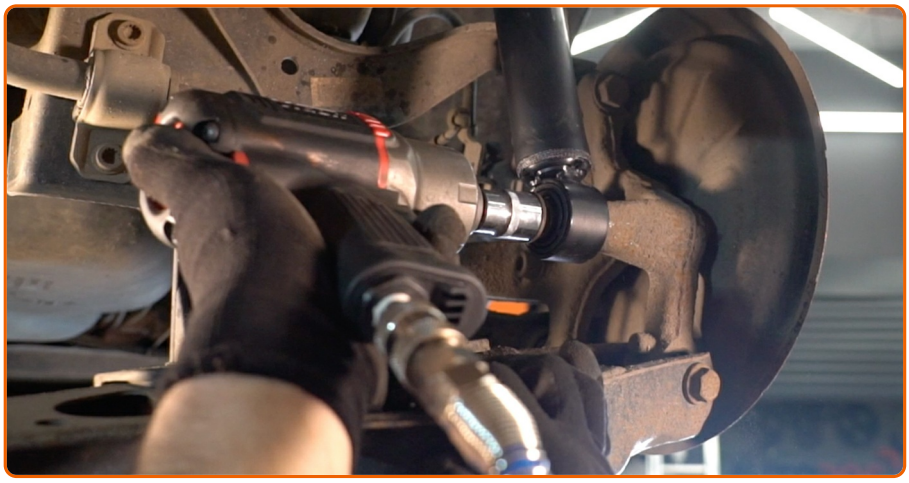
Replacement: shock absorbers – VW Golf 5. Tip from AUTODOC:

- To avoid injury, hold the shock absorber cautiously tight when screwing in the fastening bolts.

28

Screw the upper fastener of the shock absorber. Use a drive socket #10.

29



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 90 Nm torque.

30

Install the coil spring together with the rubber mounts into the mounting seats. Use a crowbar.

31

Support the arm. Use a hydraulic transmission jack.

32

Install the fastening bolt.

Replacement: shock absorbers – VW Golf 5. AUTODOC experts recommend:

- Adjust the position of the alignment bolt according to the mark.

33

Remove the support from under the arm.

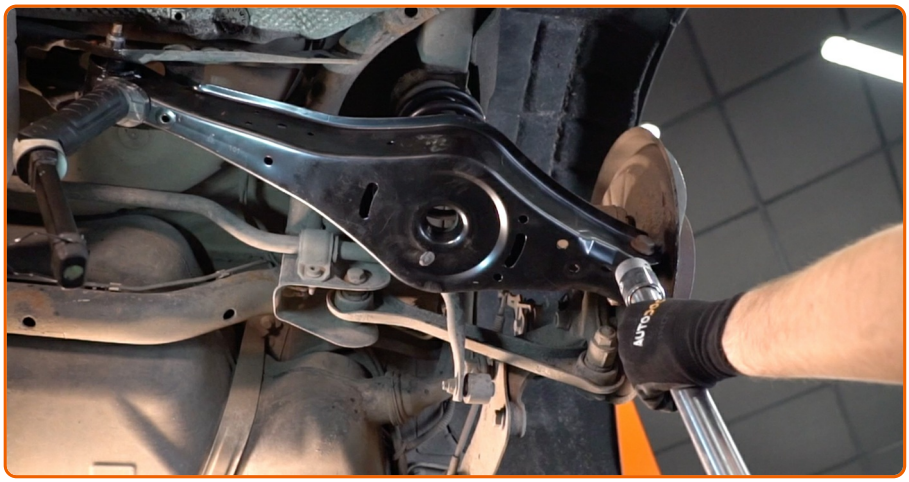
AUTODOC recommends:

- Replacement: shock absorbers – VW Golf 5. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

34

Screw in the fastener connecting the control arm to the rear subframe. Use a combination spanner #18. Use a drive socket #18.

35



Support the arm. Use a hydraulic transmission jack.

36

Tighten the fastener connecting the control arm to the rear subframe. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 95 Nm torque.

37

Tighten the top shock absorber fastening. Use a drive socket #10. Use a torque wrench. Tighten it to 50 Nm torque.

38

Remove the support from under the arm.

Replacement: shock absorbers – VW Golf 5. AUTODOC recommends:

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

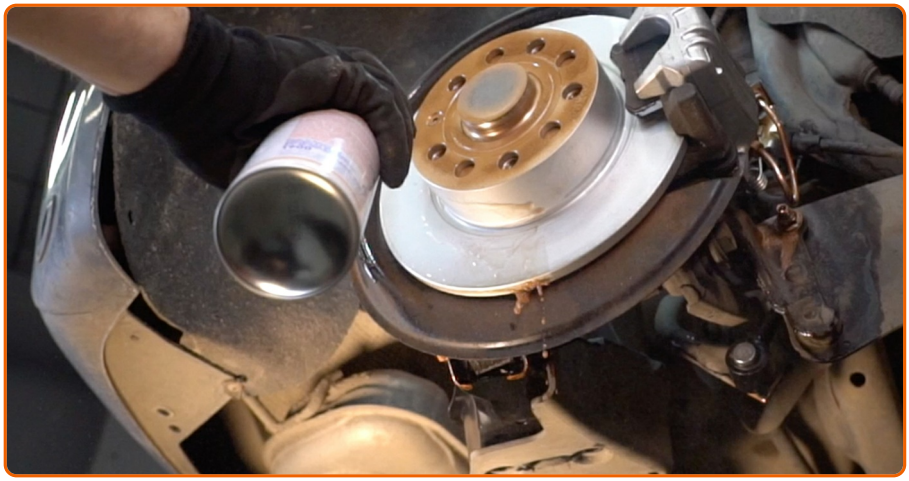
39

Treat the shock absorber fasteners. Treat all joints of the arm. Use copper grease.

40

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

41



Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: shock absorbers – VW Golf 5. After applying the spray, wait a few minutes.

42

Install the wheel.

Replacement: shock absorbers – VW Golf 5. Professionals recommend:

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

43

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

44

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

45

Remove the jacks and chocks.

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YES NO

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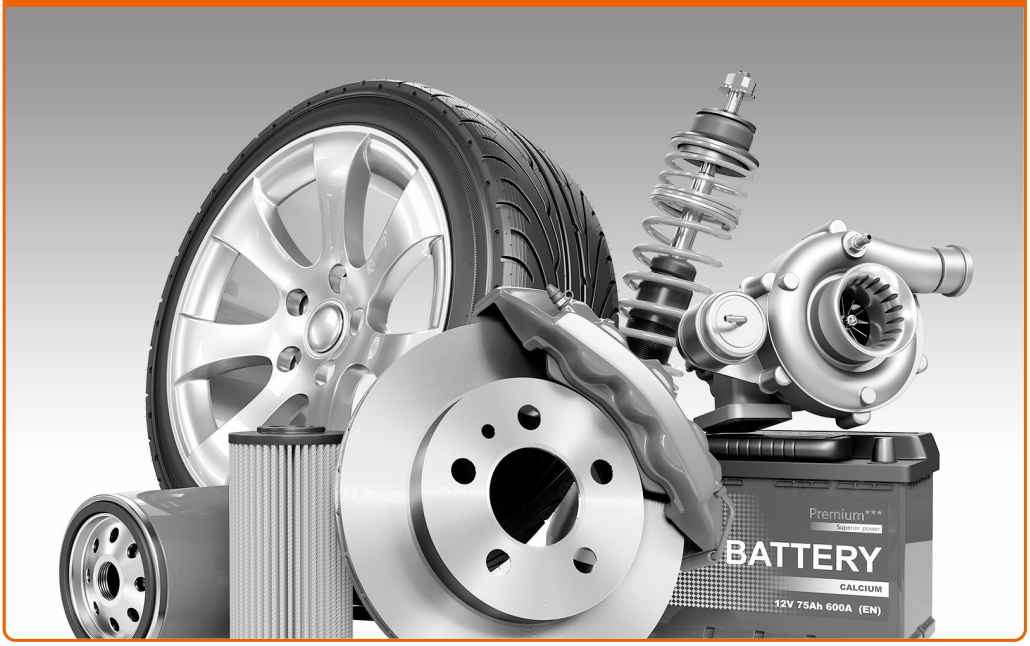

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