



How to change rear
shock absorbers on **VW
Beetle Hatchback (5C1,
5C2)** – 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 Beetle Hatchback (5C1, 5C2) 1.2 TSI, VW Beetle Hatchback (5C1, 5C2) 2.0 TSI,
VW Beetle Hatchback (5C1, 5C2) 1.4 TSI, VW Beetle Hatchback (5C1, 5C2) 1.6 TDI,
VW Beetle Hatchback (5C1, 5C2) 2.0 TDI, VW Beetle Hatchback (5C1, 5C2) 2.5

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 Passat Variant (3C5) 2.0 TDI

REPLACEMENT: SHOCK ABSORBERS – VW BEETLE HATCHBACK (5C1, 5C2). TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #14
- Combination spanner #18
- Drive socket # 16
- Drive socket # 18
- Drive socket # 21
- Torx bit T25
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Shock absorber socket DDN#5
- Crow bar
- Vice
- Hydraulic transmission jack
- Wheel chock

Buy tools

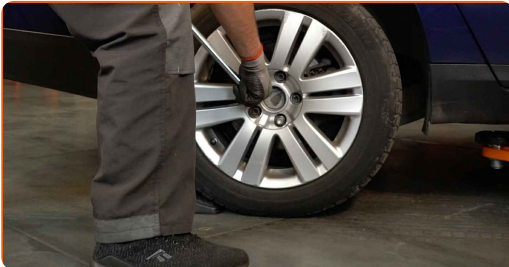
Replacement: shock absorbers – VW Beetle Hatchback (5C1, 5C2). AUTODOC recommends:

- 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.
- All work should be done with the engine stopped.

REPLACEMENT: SHOCK ABSORBERS – VW BEETLE HATCHBACK (5C1, 5C2). RECOMMENDED SEQUENCE OF STEPS:

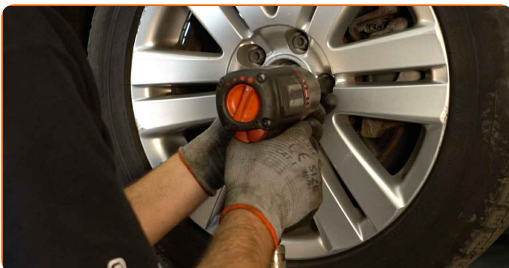
1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



3 Raise the rear of the car and secure on supports.

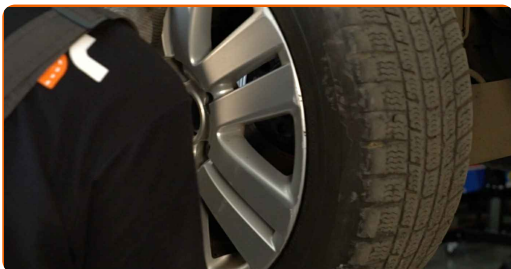
4 Unscrew the wheel bolts.



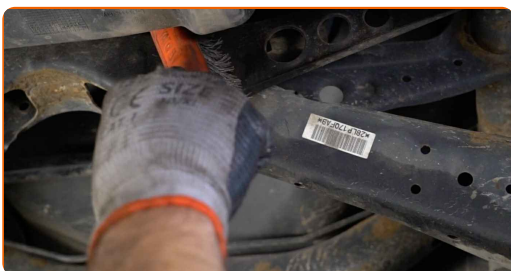
Replacement: shock absorbers – VW Beetle Hatchback (5C1, 5C2). Tip:

- To avoid injury, hold up the wheel when unscrewing the bolts.

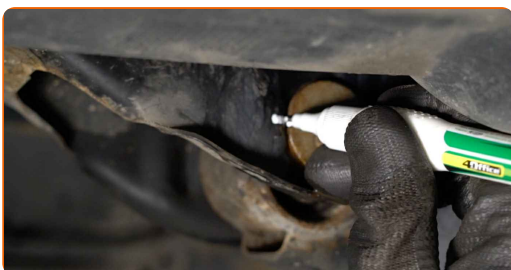
5 Remove the wheel.



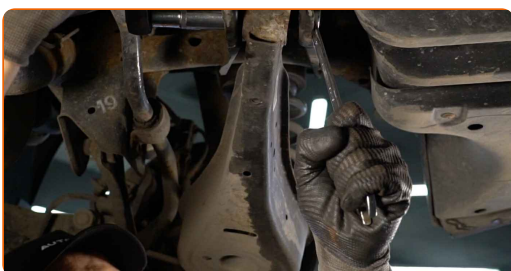
6 Clean all joints of the arm. Use a wire brush. Use WD-40 spray.



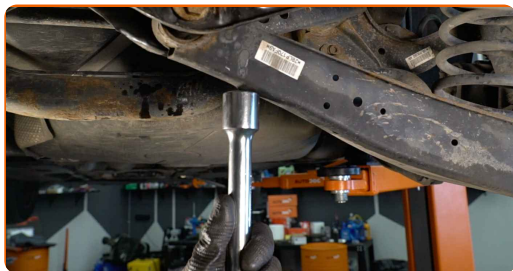
7 Make a mark on the camber adjustment bolt.



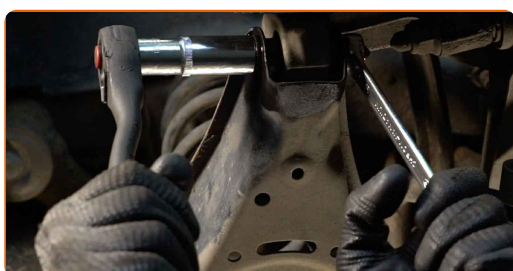
8 Unscrew the arm fastening to the beam. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



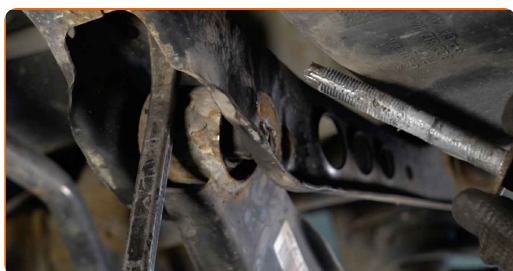
9 Support the arm. Use a hydraulic transmission jack.



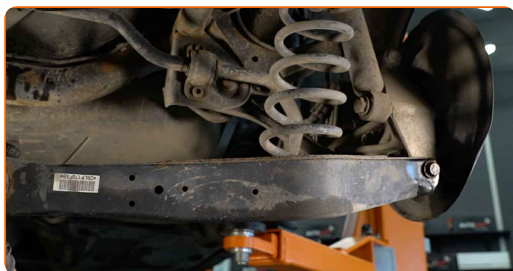
10 Unscrew the fastener connecting the control arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



11 Remove the fastening bolt. Use a crowbar.



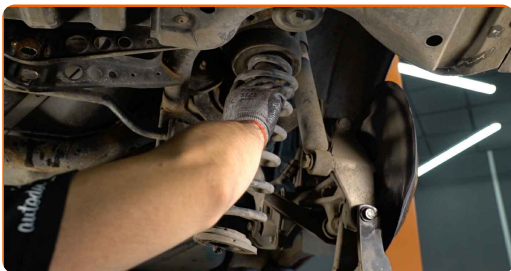
12 Remove the support from under the arm.



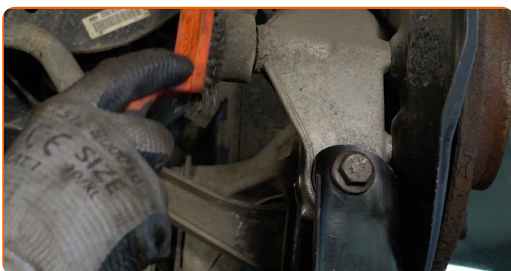
AUTODOC recommends:

- Replacement: shock absorbers – VW Beetle Hatchback (5C1, 5C2). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

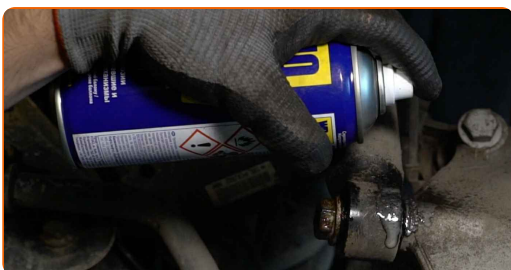
13 Remove the spring.



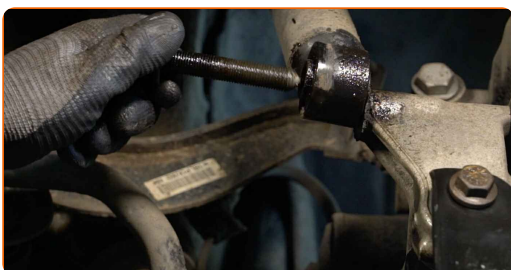
14 Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.



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



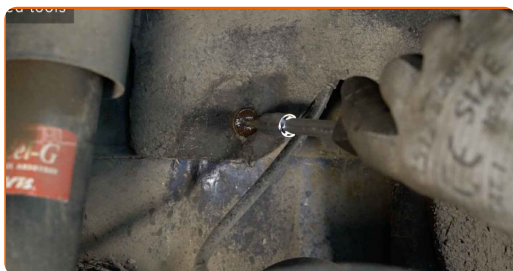
16 Unscrew the lower fasteners of the shock absorber. Use a drive socket #21. Use a ratchet wrench.



17 Clean the fasteners of the locker. Use a wire brush. Use WD-40 spray.



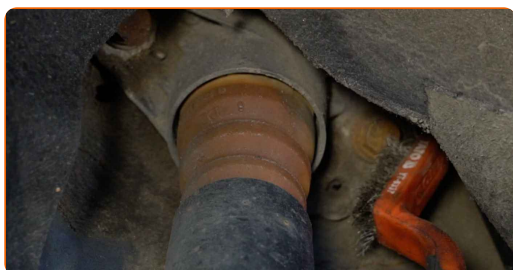
18 Unscrew the wheel arch cover fasteners. Use Torx T25. Use a ratchet wrench.



19 Remove the wheel arch cover.



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



21

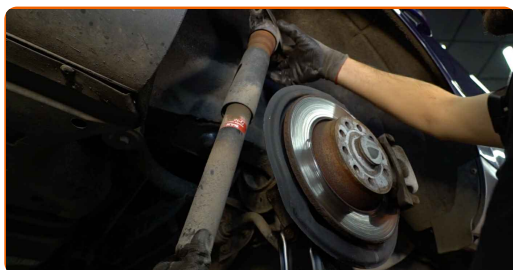
Unscrew the upper fastener of the shock absorber. Use a drive socket #16. Use a ratchet wrench.

AUTODOC recommends:

- Important! Hold the shock absorber while unscrewing the fastening bolts. VW Beetle Hatchback (5C1, 5C2)

22

Remove the shock absorber.



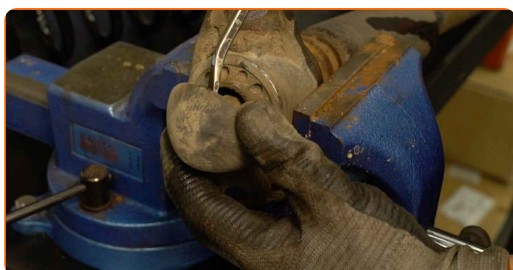
23

Grip the shock absorber in a vice.



24

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



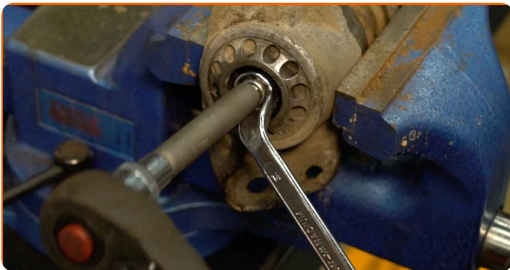
25

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



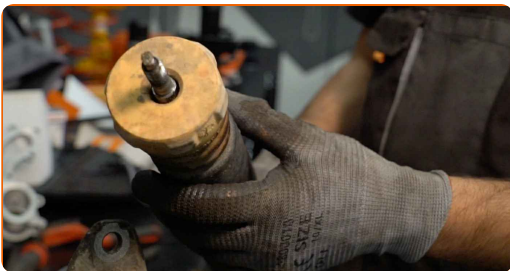
26

Remove the shock absorber piston rod fastening. Use a shock absorber socket DD#5. Use a drive socket #17. Use a ratchet wrench.



27

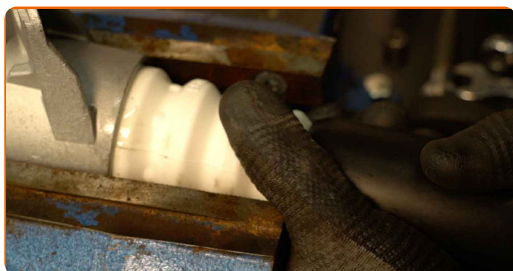
Remove the shock absorber mount, boot and bump stop.



AUTODOC recommends:

- Replacement: shock absorbers – VW Beetle Hatchback (5C1, 5C2). 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.

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



29 Screw the shock strut piston rod upper fastening. Use a combination spanner #14. Use a shock absorber socket DD#5. Use a torque wrench. Tighten it to 25 Nm torque.



30 Release the vice and take out the shock absorber.



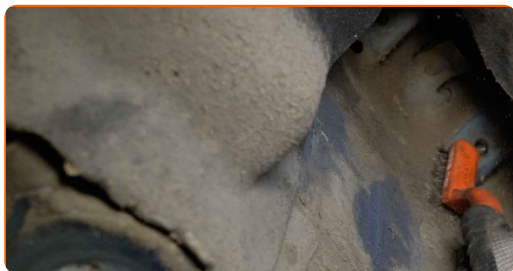
31 Treat the shock absorber rod fastener. Use copper grease.



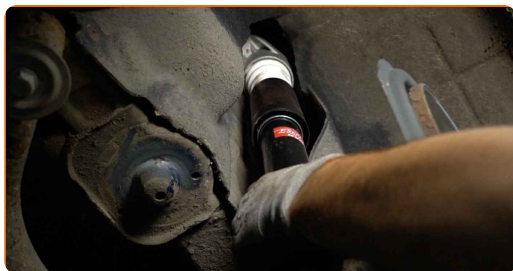
32 Install the protective shock absorber mounting cap.



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



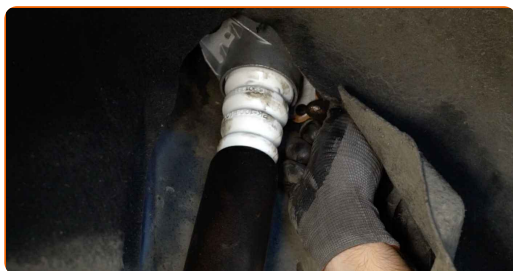
34 Place the shock absorber in the wheel arch and secure it.



Replacement: shock absorbers – VW Beetle Hatchback (5C1, 5C2). Tip:

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

35 Screw the upper fastener of the shock absorber. Use a drive socket #16.

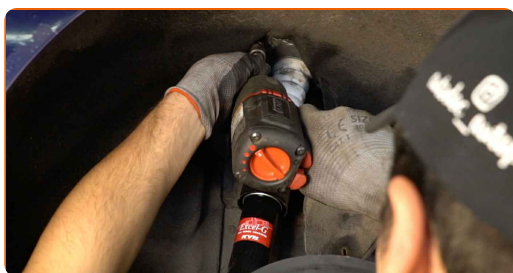


Replacement: shock absorbers – VW Beetle Hatchback (5C1, 5C2). Tip from AUTODOC:

- Install the shock absorber mount using the center hole as a guide.

36

Tighten the top shock absorber fastening. Use a drive socket #16. Use a torque wrench. Tighten it to 50 Nm torque.+45°

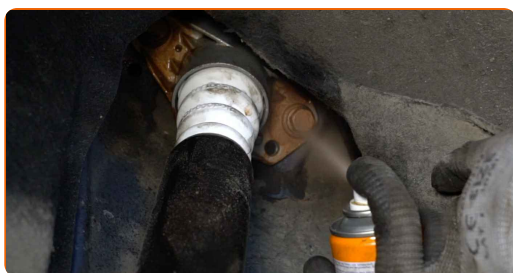


AUTODOC recommends:

- Important! Be sure to use new fasteners.

37

Treat the shock absorber fasteners. Use copper grease.



38

Install the wheel arch cover to its mounting seat.



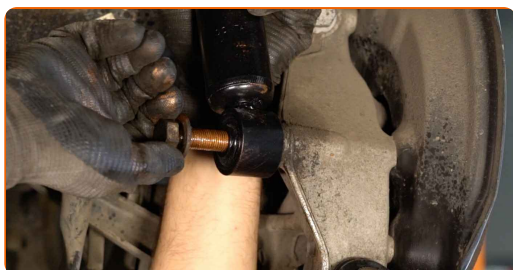
39 Install and tighten the wheel arch cover fasteners. Use Torx T25. Use a ratchet wrench.



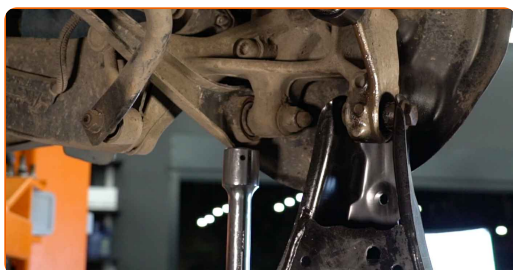
40 Clean the shock absorber mounting seats. Use a wire brush. Use WD-40 spray.



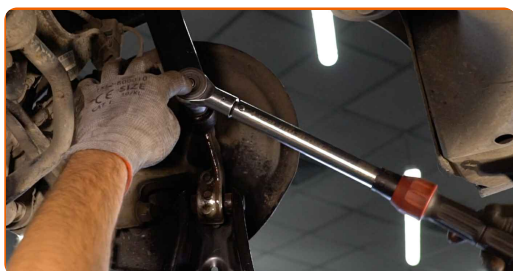
41 Screw in the lower fastener of the shock absorber. Use a drive socket #21. Use a ratchet wrench.



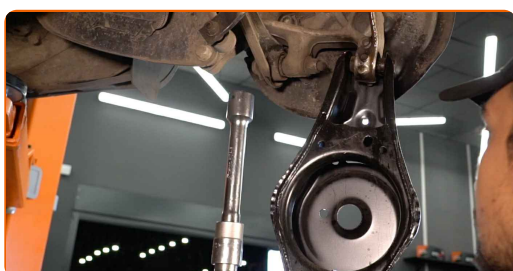
42 Support the stub axle. Use a hydraulic transmission jack.



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



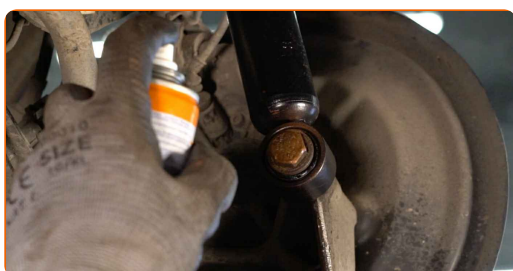
- 44** Remove the support from under the stub axle.



Replacement: shock absorbers – VW Beetle Hatchback (5C1, 5C2). AUTODOC experts recommend:

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

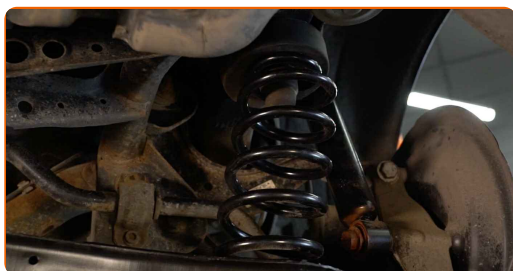
- 45** Treat the shock absorber fasteners. Use copper grease.



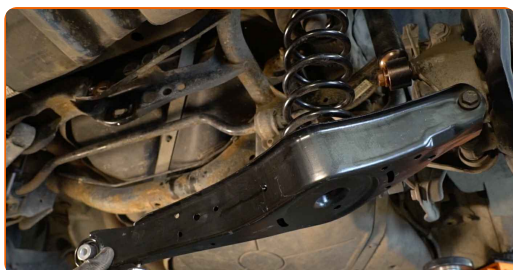
46 Clean the coil spring mounting seats. Use a wire brush. Use WD-40 spray.



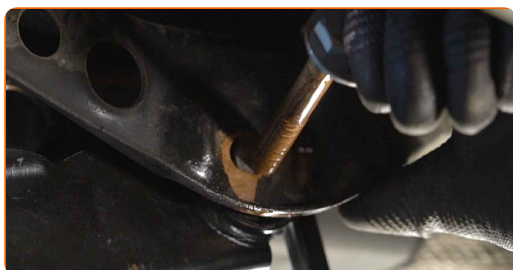
47 Install the coil spring together with the rubber mounts into the mounting seats.



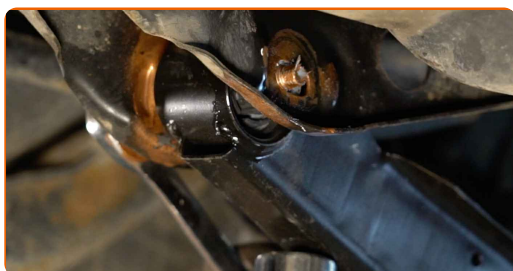
48 Support the arm. Use a hydraulic transmission jack. Use a crowbar.



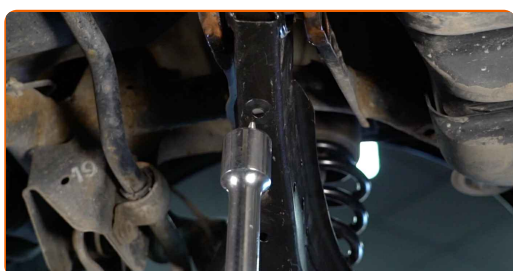
49 Install the fastening bolt. Use a crowbar.



- 50** Screw in the fastener connecting the control arm to the rear subframe. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



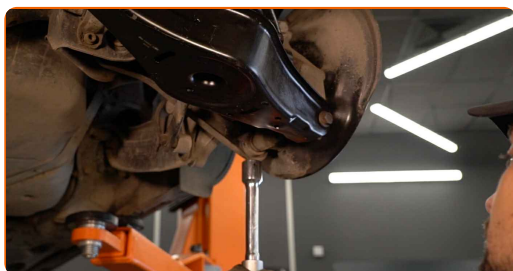
- 51** Remove the support from under the arm.



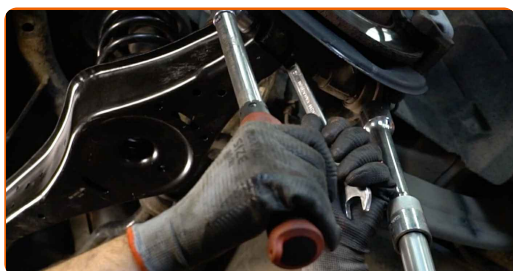
AUTODOC recommends:

- VW Beetle Hatchback (5C1, 5C2) – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

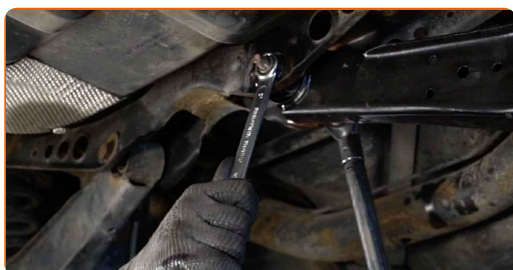
- 52** Support the stub axle. Use a hydraulic transmission jack.



- 53** Tighten the arm fastening to the beam. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 95 Nm torque.



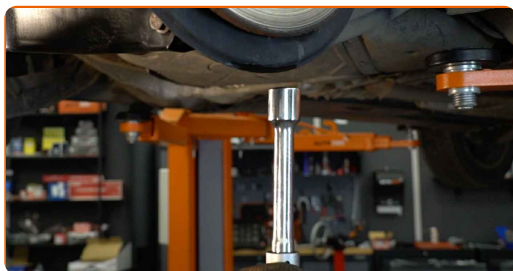
- 54** Tighten the fasteners connecting the control arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 90 Nm torque.+90°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

- 55** Remove the support from under the stub axle.



Replacement: shock absorbers – VW Beetle Hatchback (5C1, 5C2). AUTODOC experts recommend:

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

56

Treat all joints of the arm. Use copper grease.



57

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



58

Clean the brake disk surface. Use a brake cleaner.

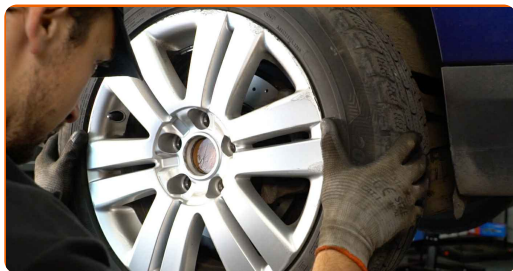


AUTODOC recommends:

- Replacement: shock absorbers – VW Beetle Hatchback (5C1, 5C2). After applying the spray, wait a few minutes.

59

Install the wheel.



AUTODOC recommends:

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

60

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



61

Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 nm torque.

62

Remove the jacks and chocks.



WELL DONE! 

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