



How to change rear coil
springs 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!

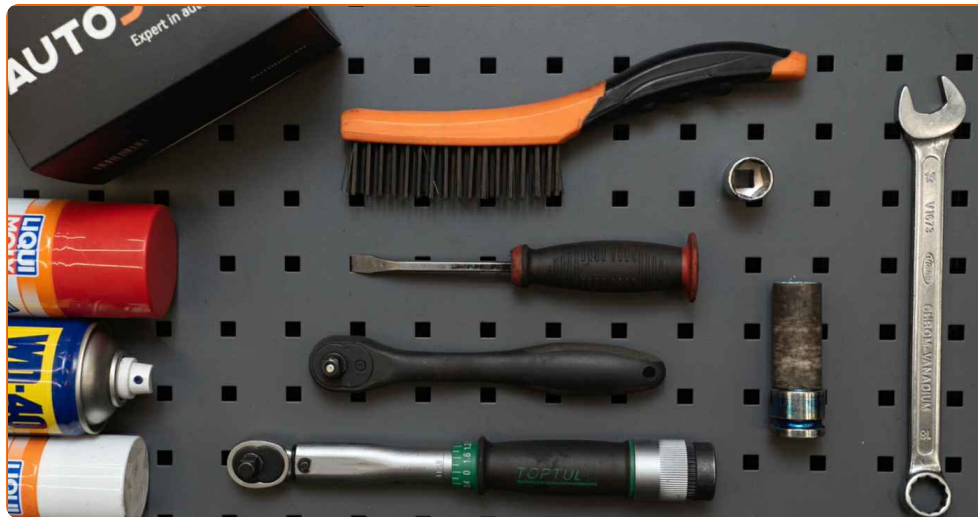
This replacement procedure can be used for:

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, VW Beetle Hatchback (5C1, 5C2) 1.2 TSI 16V

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: SKODA Octavia II Combi (1Z5) 1.8 TSI

REPLACEMENT: COIL SPRINGS – VW BEETLE HATCHBACK (5C1, 5C2). LIST OF THE TOOLS YOU'LL NEED:



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

Buy tools

Replacement: coil springs – VW Beetle Hatchback (5C1, 5C2). AUTODOC recommends:

- 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 BEETLE HATCHBACK (5C1, 5C2). RECOMMENDED SEQUENCE OF STEPS:

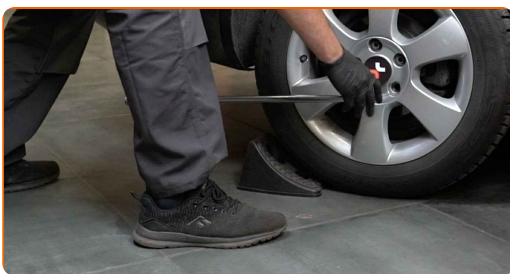
1

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.



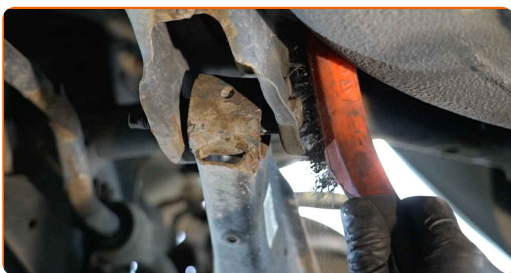
Replacement: coil springs – VW Beetle Hatchback (5C1, 5C2). Tip:

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

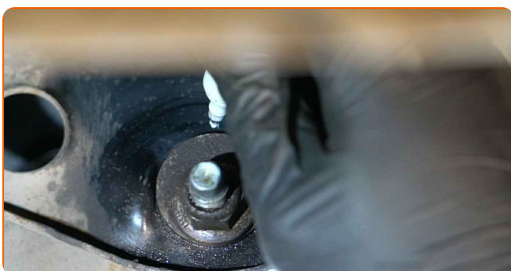
5 Remove the wheel.



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



7 Make a mark on the camber adjustment bolt.



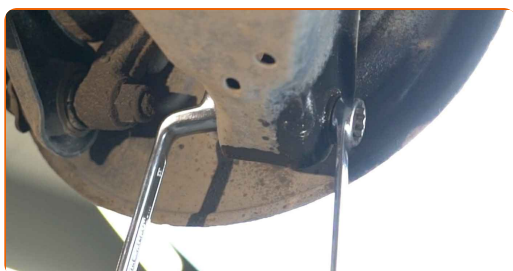
- 8 Unscrew the arm fastening to the beam. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



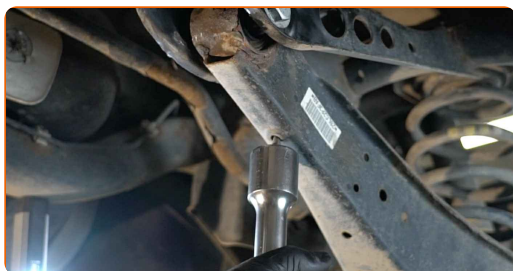
- 9 Clean all joints of the arm. Use a wire brush. Use WD-40 spray.



- 10 Unscrew the fastener connecting the control arm to the rear knuckle. Use a combination spanner #18 (2 pieces).



- 11 Support the arm. Use a hydraulic transmission jack.



12 Remove the fastening bolt. Use a combination spanner #18. Use a crowbar.



13 Remove the support from under the arm. Use a crowbar.



AUTODOC recommends:

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

14 Pull down the suspension control arm. Take out the spring.



15 Remove the rubber spring spacer.



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



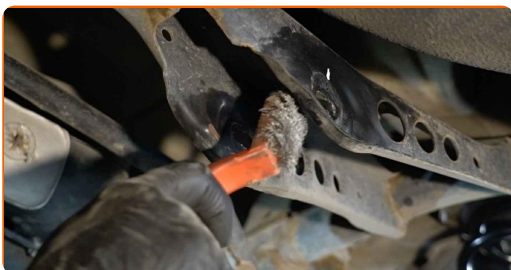
17 Install the rubber spacer on the new coil spring.



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



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



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



21 Install the fastening bolt.



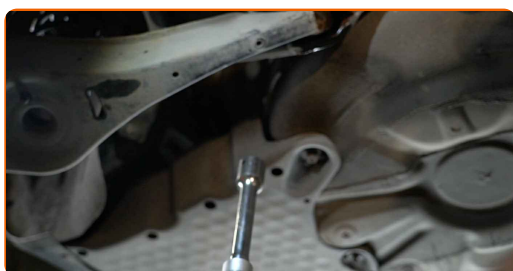
22 Adjust the position of the alignment bolt according to the mark.



23 Screw in the fastener connecting the control arm to the subframe. Use a drive socket #18. Use a ratchet wrench.



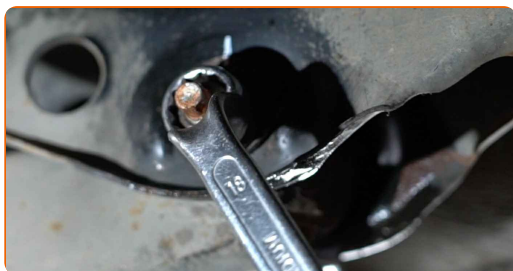
24 Remove the support from under the arm.



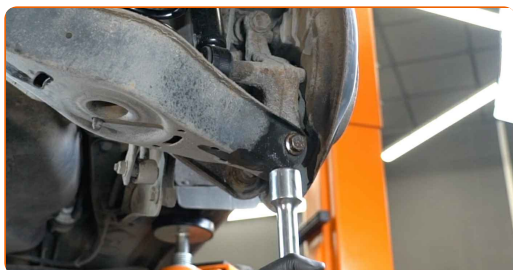
Replacement: coil springs – VW Beetle Hatchback (5C1, 5C2). AUTODOC experts recommend:

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

25 Screw in the fastener connecting the control arm to the subframe. Use a combination spanner #18 (2 pieces).



26 Support the arm. Use a hydraulic transmission jack.



27 Screw in the fastener that connects the control arm to the rear knuckle. Use a combination spanner #18 (2 pieces).

28 Tighten the fastener connecting the suspension 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.

29 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.



30 Remove the support from under the arm.



AUTODOC recommends:

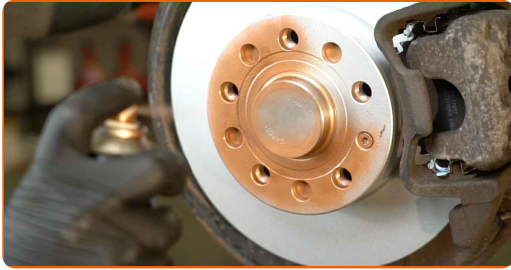
- VW Beetle Hatchback (5C1, 5C2) – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

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



32

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



33

Clean the brake disk surface. Use a brake cleaner.

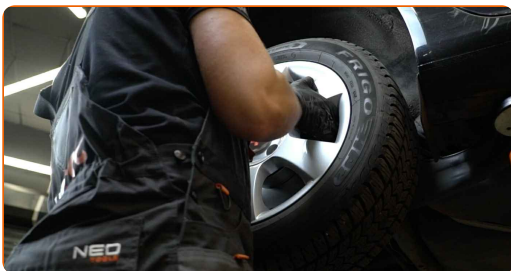


Replacement: coil springs – VW Beetle Hatchback (5C1, 5C2). Professionals recommend:

- After applying the spray, wait a few minutes.

34

Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. VW Beetle Hatchback (5C1, 5C2)

35

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



36

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.



37

Remove the jacks and chocks.



WELL DONE! 

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