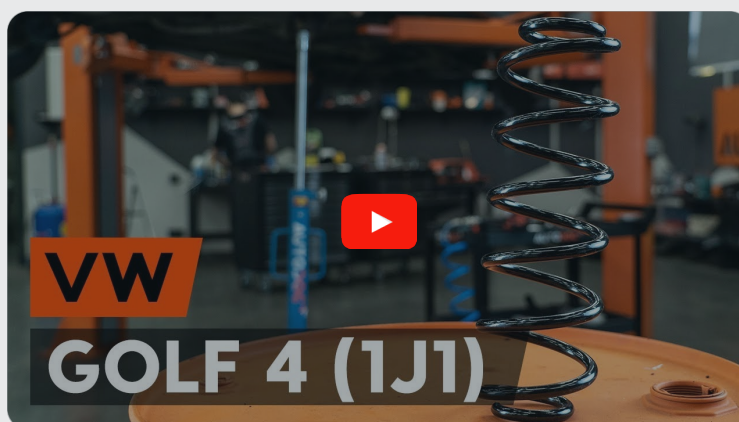




How to change rear coil
springs on **VW New
Beetle Hatchback (9C1,
1C1)** – replacement guide

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 New Beetle Hatchback (9C1, 1C1) 2.0, VW New Beetle Hatchback (9C1, 1C1) 1.9 TDI, VW New Beetle Hatchback (9C1, 1C1) 1.6, VW New Beetle Hatchback (9C1, 1C1) 1.8 T, VW New Beetle Hatchback (9C1, 1C1) 1.4

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 Golf IV Hatchback (1J1) 1.6

REPLACEMENT: COIL SPRINGS – VW NEW BEETLE HATCHBACK (9C1, 1C1). 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 New Beetle Hatchback (9C1, 1C1). 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 NEW BEETLE HATCHBACK (9C1, 1C1). 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.

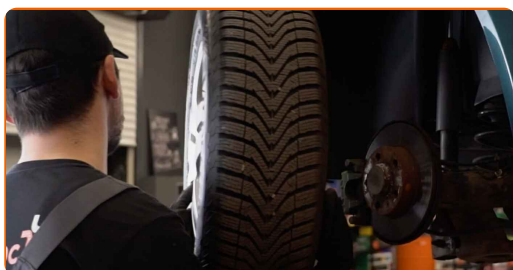


AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. VW New Beetle Hatchback (9C1, 1C1)

5

Remove the wheel.



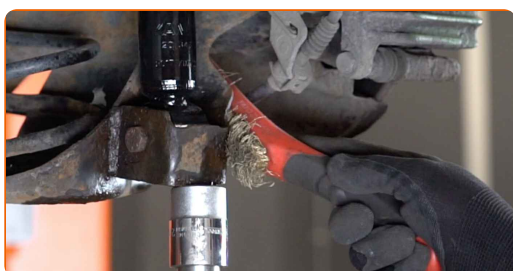
6

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



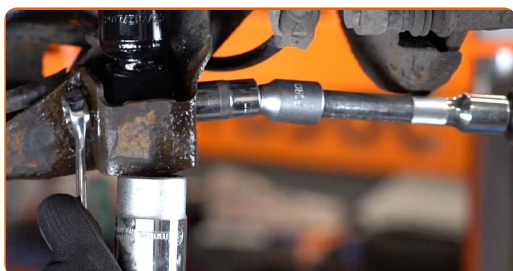
7

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.

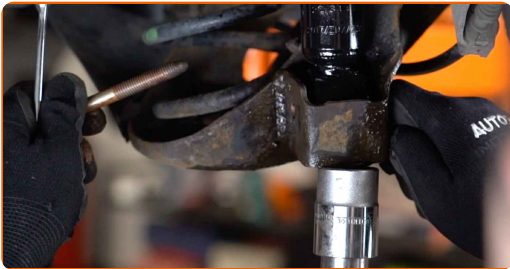


AUTODOC recommends:

- VW New Beetle Hatchback (9C1, 1C1) – 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.

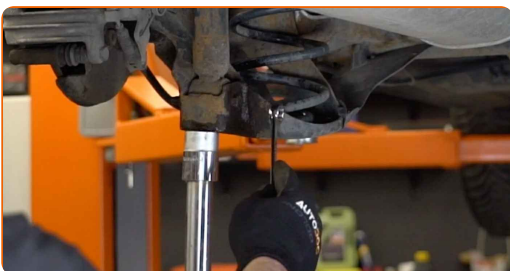


AUTODOC recommends:

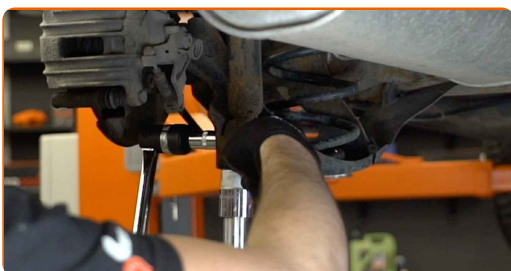
- Replacement: coil springs – VW New Beetle Hatchback (9C1, 1C1). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

11

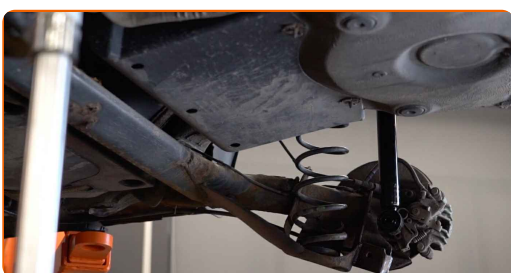
Secure the rear axle beam. Use a hydraulic transmission jack.



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



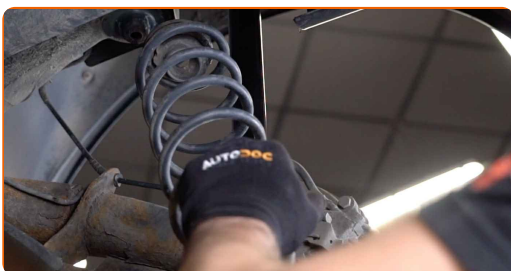
- 13** Remove the mounting from under the rear axle beam.



AUTODOC recommends:

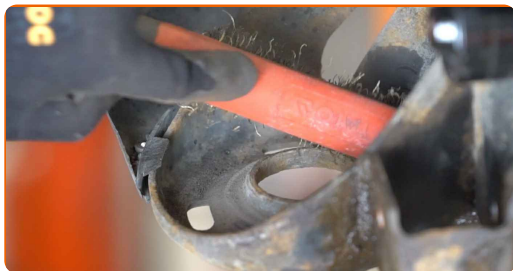
- VW New Beetle Hatchback (9C1, 1C1) – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

- 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:

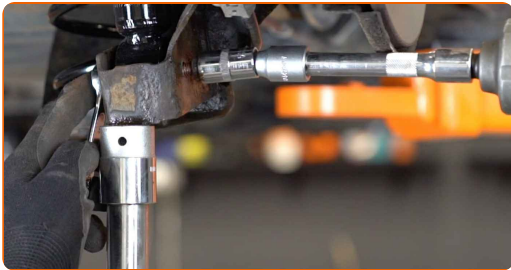
- VW New Beetle Hatchback (9C1, 1C1) – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

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

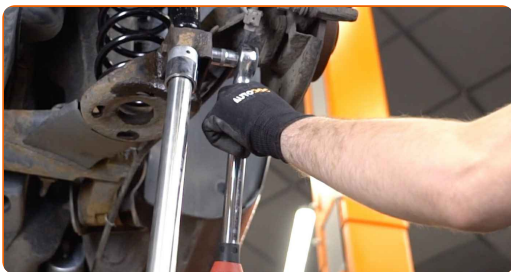


23 Install the fastening bolt.

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



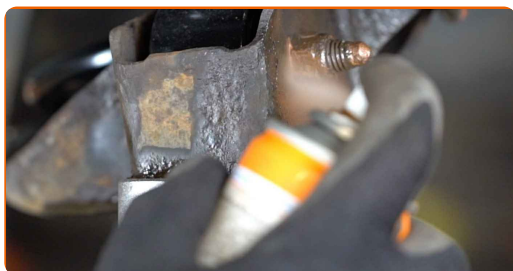
25 Tighten the lower fastener of the shock absorber. Use a combination spanner #21. Use a drive socket #21. Use a torque wrench. Tighten it to 40 Nm torque. +90°



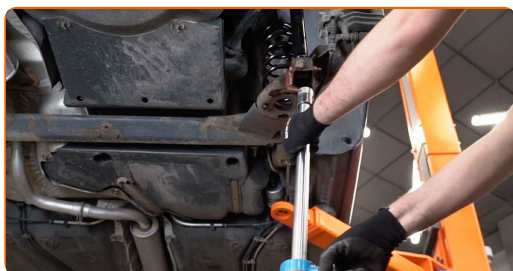
AUTODOC recommends:

- 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:

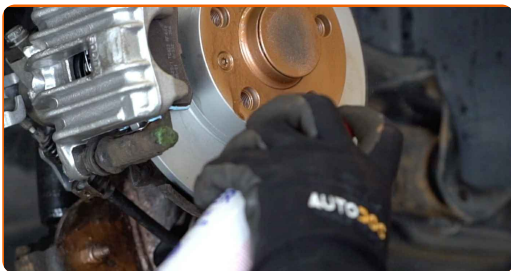
- Replacement: coil springs – VW New Beetle Hatchback (9C1, 1C1). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

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 New Beetle Hatchback (9C1, 1C1). After applying the spray, wait a few minutes.

30

Install the wheel.

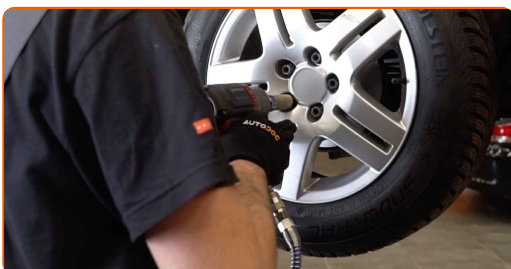


AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. VW New Beetle Hatchback (9C1, 1C1)

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! 

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