



How to change rear coil
springs on **VW PASSAT**
Variant (3B5) –
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 PASSAT Variant (3B5) 1.6, VW PASSAT Variant (3B5) 1.8, VW PASSAT Variant (3B5) 1.8 T, VW PASSAT Variant (3B5) 2.3 VR5, VW PASSAT Variant (3B5) 2.8 V6, VW PASSAT Variant (3B5) 1.9 TDI, VW PASSAT Variant (3B5) 2.5 TDI, VW PASSAT Variant (3B5) 2.0

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 (3B6) 1.9 TDI

REPLACEMENT: COIL SPRINGS – VW PASSAT VARIANT (3B5). TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Drive socket # 16
- Combination spanner #16
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Hydraulic transmission jack
- Wheel chock

Buy tools

Replacement: coil springs – VW PASSAT Variant (3B5). 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.
- Please note: all work on the car – VW PASSAT Variant (3B5) – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

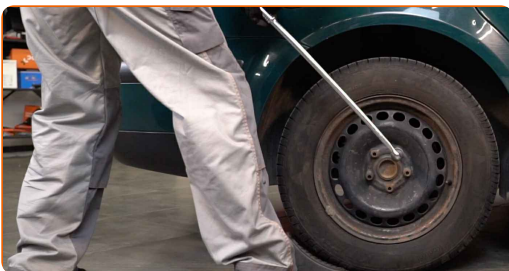
1

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.

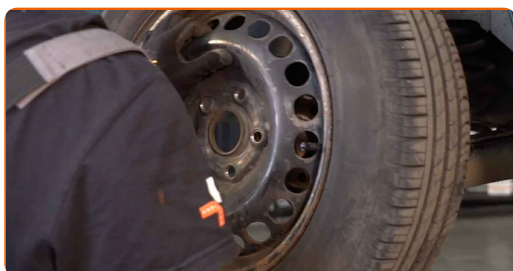
4 Unscrew the wheel bolts.



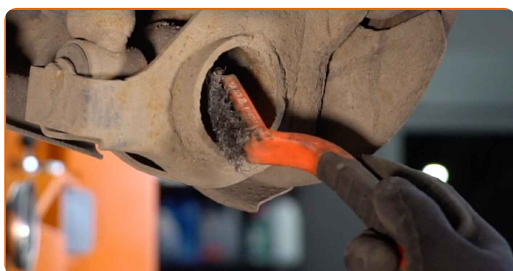
AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. VW PASSAT Variant (3B5)

5 Remove the wheel.



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



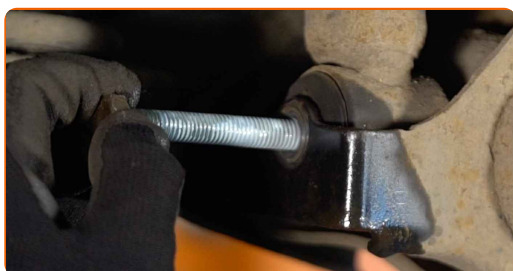
7 Support the rear suspension beam. Use a hydraulic transmission jack.



- 8** Unscrew the lower fastener of the shock absorber. Use a combination spanner #16. Use a drive socket #16. Use a ratchet wrench.



- 9** Remove the fastening bolt.



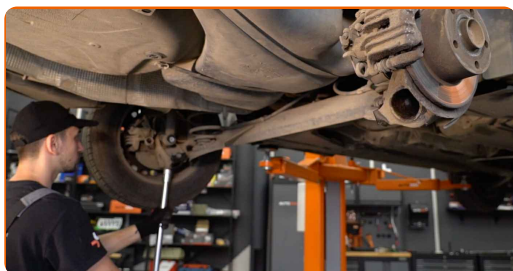
- 10** Remove the mounting from under the rear axle beam.



AUTODOC recommends:

- Replacement: coil springs – VW PASSAT Variant (3B5). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

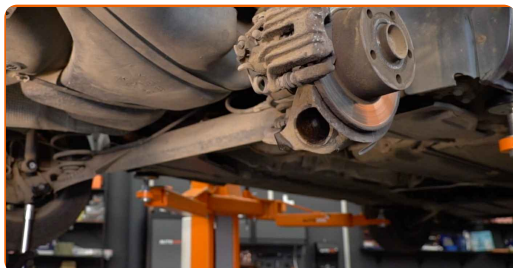
11 Support the rear suspension beam. Use a hydraulic transmission jack.



12 Unscrew the lower fastener of the shock absorber. Use a combination spanner #16. Use a drive socket #16. Use a ratchet wrench.

13 Remove the fastening bolt.

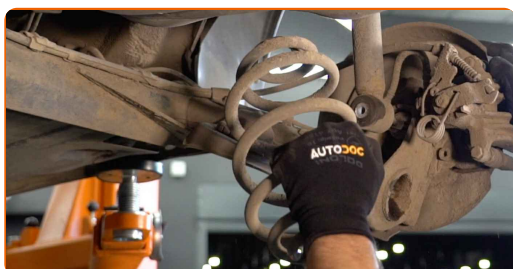
14 Remove the mounting from under the rear axle beam.



AUTODOC recommends:

- VW PASSAT Variant (3B5) – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

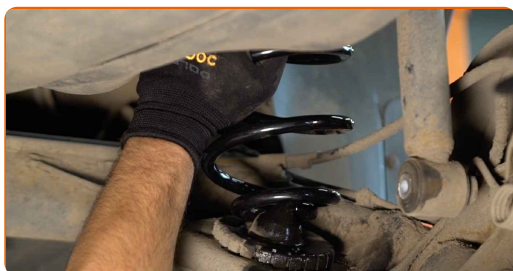
15 Take out the spring.



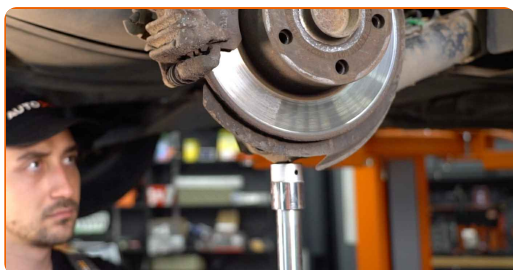
16 Clean the coil spring mounting seats. Use a wire brush. Use WD-40 spray.



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



18 Support the rear suspension beam. Use a hydraulic transmission jack.



19 Tighten the lower fastener of the shock absorber. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 50 Nm torque. +90°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

20 Remove the mounting from under the rear axle beam.

AUTODOC recommends:

- Replacement: coil springs – VW PASSAT Variant (3B5). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

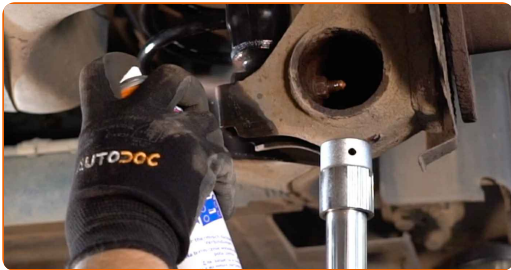
21 Support the rear suspension beam. Use a hydraulic transmission jack.

22 Tighten the lower fastener of the shock absorber. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 50 Nm torque.+90°

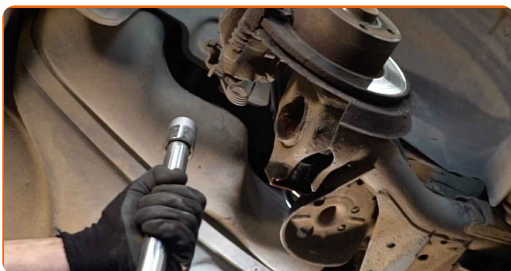
AUTODOC recommends:

- Important! Be sure to use new fasteners.

23 Treat the shock absorber fasteners. Use copper grease.



24 Remove the mounting from under the rear axle beam.



AUTODOC recommends:

- VW PASSAT Variant (3B5) – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

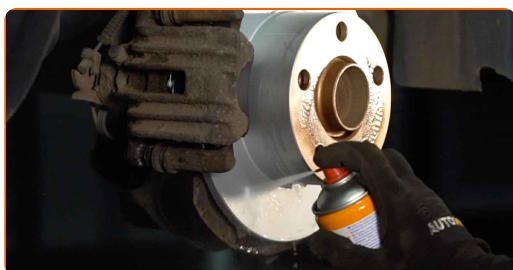
25

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



26

Clean the brake disk surface. Use a brake cleaner.

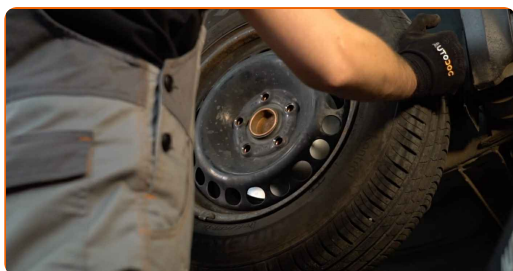


AUTODOC recommends:

- Replacement: coil springs – VW PASSAT Variant (3B5). After applying the spray, wait a few minutes.

27

Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. VW PASSAT Variant (3B5)

28

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



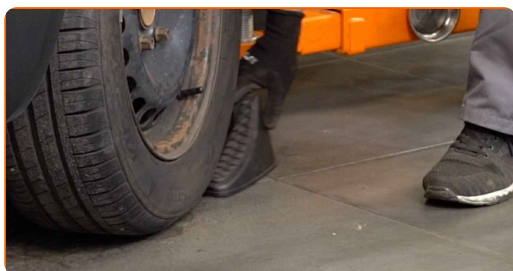
29

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



30

Remove the jacks and chocks.



WELL DONE! 

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