



How to change front
strut mount on **VW**
PASSAT (3B3) –
replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

i Important!

This replacement procedure can be used for:

VW PASSAT (3B3) 1.6, VW PASSAT (3B3) 1.9 TDI, VW PASSAT (3B3) 2.3 V5, VW PASSAT (3B3) 2.0, VW PASSAT (3B3) 2.5 TDI, VW PASSAT (3B3) 1.8 T 20V, VW PASSAT (3B3) 2.8 4motion, VW PASSAT (3B3) 2.5 TDI 4motion, VW PASSAT (3B3) 1.9 TDI 4motion, VW PASSAT (3B3) 2.0 4motion, VW PASSAT (3B3) 2.3 V5 4motion, VW PASSAT (3B3) 1.8 T, VW PASSAT (3B3) 2.0 TDI, VW PASSAT (3B3) 2.8

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 (3B5) 1.8 T

REPLACEMENT: STRUT MOUNT – VW PASSAT (3B3).
TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #18
- Drive socket # 13
- Drive socket # 18
- Drive socket # 19
- HEX bit no.H5.
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Flat Screwdriver
- Pin punch
- Hammer
- Hydraulic transmission jack
- Hydraulic strut spring compressor
- Fender cover
- Wheel chock

Buy tools

Replacement: strut mount – VW PASSAT (3B3). AUTODOC recommends:

- All mounts of the front shock struts should be replaced simultaneously.
- The replacement procedure is identical for the mounts of the left and right shock struts of the front suspension.
- Be sure to replace all self-locking nuts and bolts during installation.
- Warning! Shut down the engine before starting any work – VW PASSAT (3B3).

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 front of the car and secure on supports.

4 Unscrew the wheel bolts.

Replacement: strut mount – VW PASSAT (3B3). Tip:

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

5 Remove the wheel.



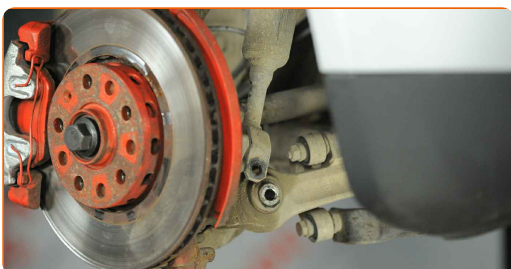
6 Clean the fastening bolt that connects the shock absorber fork with the lower control arm. Use a wire brush. Use WD-40 spray.



7 Unscrew the fastening bolt that connects the shock absorber fork with the lower control arm. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



8 Remove the fastening bolt. Use a pin punch. Use a hammer.

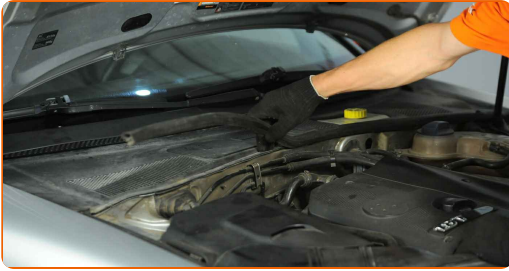


9 Lower the car.

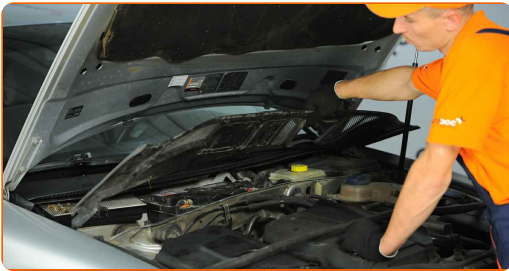
10 Open the hood.

11 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

12 Remove the cowl grille seal.



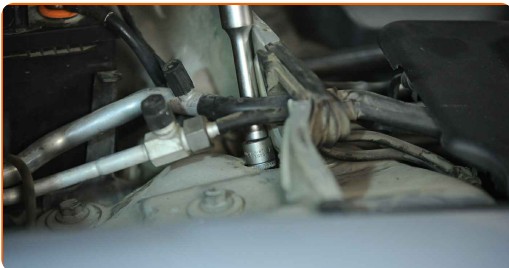
13 Raise up and remove the cowl grille.



14 Remove the shock strut mount cap. Use a flat screwdriver.



15 Unscrew the top fastening of the shock strut. Use a drive socket #13. Use a ratchet wrench.

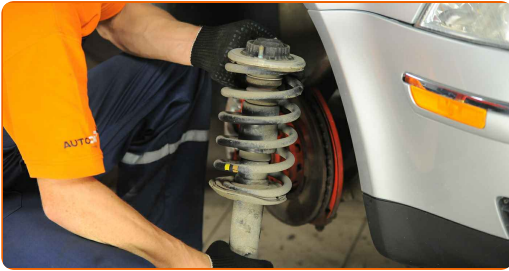


Replacement: strut mount – VW PASSAT (3B3). AUTODOC experts recommend:

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

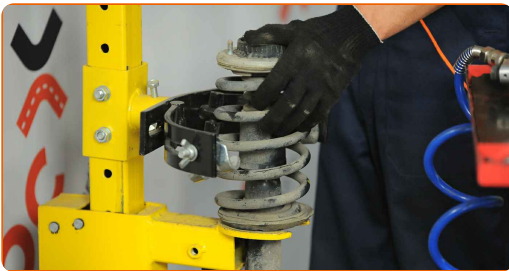
16

Remove the suspension strut.



17

Set the shock absorber strut on the spring compressor tool.



AUTODOC recommends:

- Note that when using a spring compressor, spring coils need to be securely gripped, compressing the spring on the opposite sides.
- Ensure the correct position of the spring in the retainer.
- Make sure that the spring coils tightly entered the lock handles.

18

Compress the spring.

19

Treat the shock strut rod. Use a wire brush. Use WD-40 spray.



20

Remove the strut piston rod nut. Use a drive socket #19. Use a ratchet wrench.



21

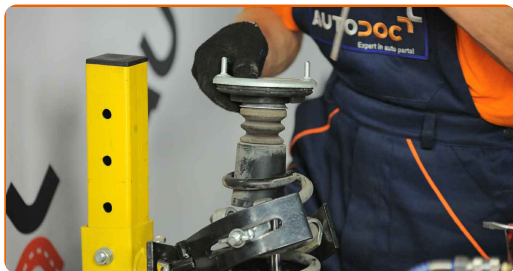
Remove the top strut mount. Use a flat screwdriver.



Replacement: strut mount – VW PASSAT (3B3). Professionals recommend:

- Examine the shock absorber dust cap and the bump stop. Replace them if necessary.

22 Install a new strut mount.



23 Tighten the shock strut piston rod nut. Use HEX No.H5. Use a drive socket #19. Use a torque wrench. Tighten it to 50 nm torque.

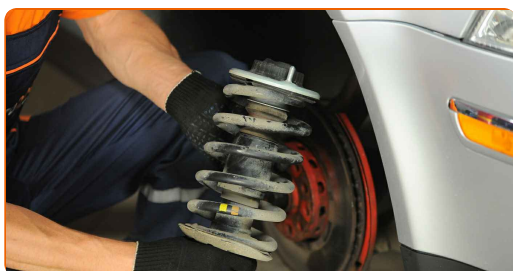


Replacement: strut mount – VW PASSAT (3B3). Tip from AUTODOC experts:

- Check to make sure the spring is positioned correctly. Avoid its misalignment.

24 Decompress the spring.

25 Remove the assembled shock strut.



26 Install the shock strut into the wheel arch.

27 Screw the top fastening of the shock strut mount.



AUTODOC recommends:

- Important! Hold the suspension strut while screwing in the fastening bolts. VW PASSAT (3B3)

28 Tighten the upper fastener of the shock absorber strut mount. Use a drive socket #13. Use a torque wrench. Tighten it to 22 nm torque. Install the shock strut mount cap. Use a flat screwdriver.



29 Install and secure the cowl grille.



30 Install the cowl grille seal.



31 Remove the fender protection cover.

32 Close the hood.

33 Raise the front of the car and secure on supports.

34 Support the arm. Use a hydraulic transmission jack.



35 Install the fastening bolt. Use a pin punch. Use a hammer.

36 Raise the hydraulic transmission jack by 10-15 cm.



37 Tighten the fastening bolt that connects the shock absorber fork to the lower control arm. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 90 Nm torque.



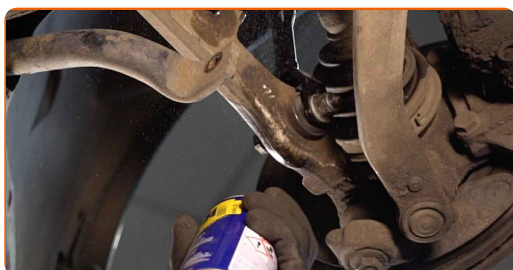
38 Remove the support from under the arm.

AUTODOC recommends:

- Replacement: strut mount – VW PASSAT (3B3). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

39

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



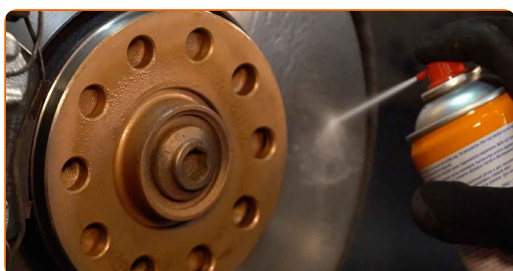
40

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



41

Clean the brake disk surface. Use a brake cleaner.



Replacement: strut mount – VW PASSAT (3B3). Tip:

- After applying the spray, wait a few minutes.

42 Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. VW PASSAT (3B3)

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.

WELL DONE! 

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STRUT MOUNT: A WIDE SELECTION

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