



How to change front
strut mount on **VW**
PASSAT Estate Van (365)
– replacement guide

SIMILAR VIDEO TUTORIAL



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

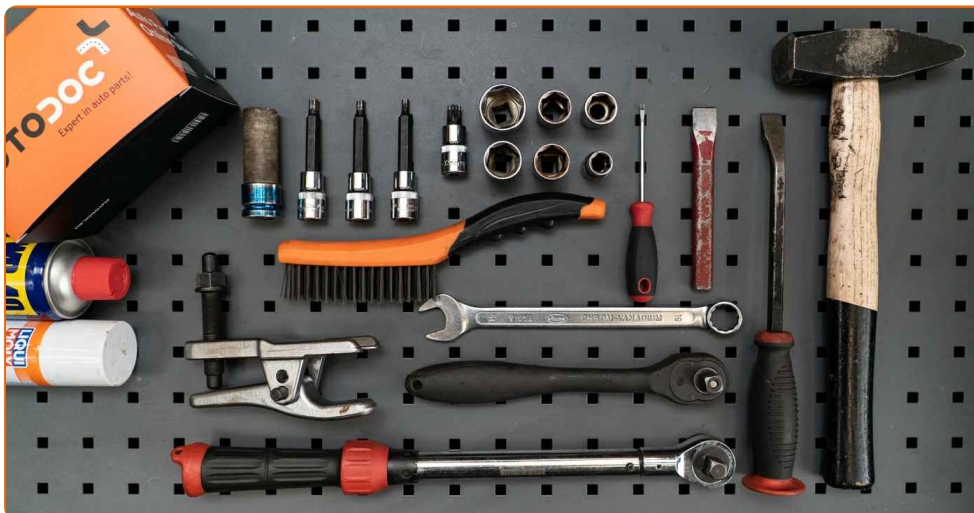
Important!

This replacement procedure can be used for:
VW PASSAT Estate Van (365) 2.0 TDi BlueMotion, VW PASSAT Estate Van (365) 1.4 TSi BlueMotion

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 V Hatchback (1K1) 1.4 16V

**REPLACEMENT: STRUT MOUNT – VW PASSAT ESTATE
VAN (365). TOOLS YOU NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #19
- Drive socket # 13
- Drive socket # 19
- Drive socket # 21
- Drive socket # 27
- HEX bit No.H5.
- HEX bit No.H6.
- HEX bit No.H7.
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Hammer
- Flat screwdriver
- Ball joint puller
- Hydraulic strut spring compressor
- Fender cover
- Wheel chock

Buy tools

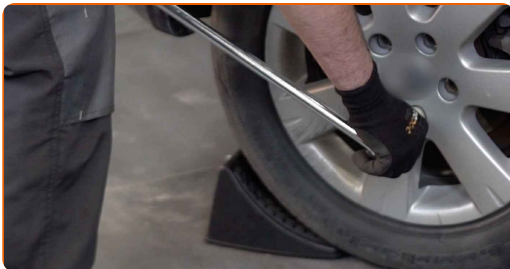
Replacement: strut mount – VW PASSAT Estate Van (365). AUTODOC recommends:

- The replacement procedure is identical for the mounts of the left and right shock struts of the front suspension.
- All mounts of the front shock struts should be replaced simultaneously.
- Be sure to replace all self-locking nuts and bolts during installation.
- All work should be done with the engine stopped.

**REPLACEMENT: STRUT MOUNT – VW PASSAT ESTATE VAN (365).
RECOMMENDED SEQUENCE OF STEPS:**

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.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. VW PASSAT Estate Van (365)

5

Remove the wheel.

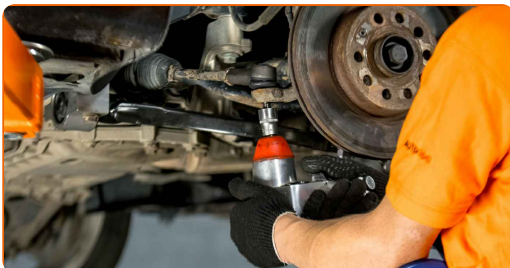


6

Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.

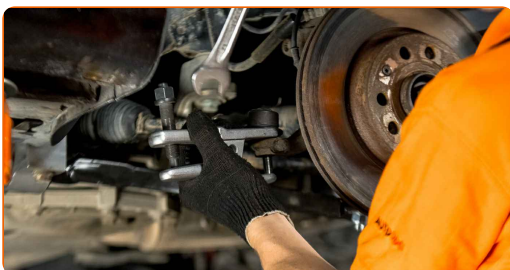
7

Unscrew the end fastening nut to the steering knuckle. Use a drive socket #19. Use a ratchet wrench.



8

Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.



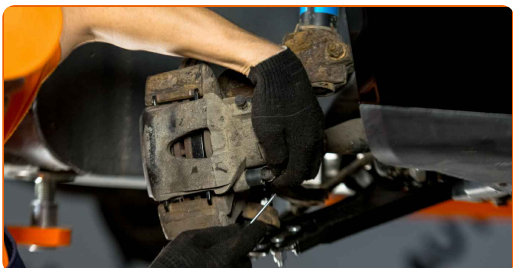
9.1 Disconnect the wiring and the brake hose from the bracket on the steering knuckle.



9.2 Use a flat screwdriver.



10 Remove the dust boot caps of the brake caliper guide pins. Use a flat screwdriver.



11.1 Unscrew the brake caliper fastening.

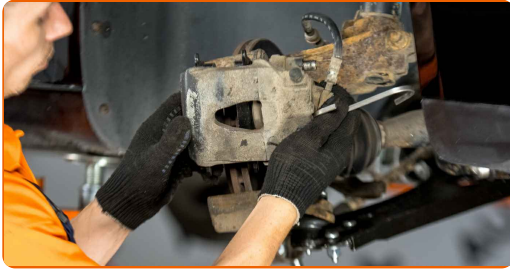


11.2 Use HEX No.H7. Use a ratchet wrench.



12

Remove the brake caliper.

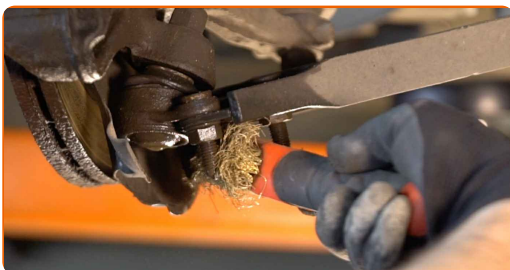


Replacement: strut mount – VW PASSAT Estate Van (365). AUTODOC experts recommend:

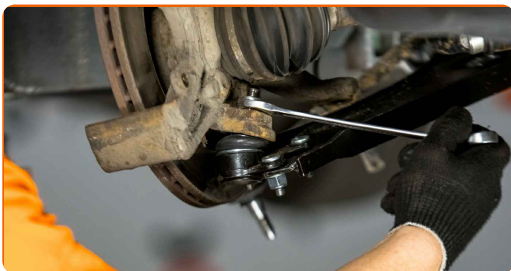
- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

13

Clean the fastener connecting the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.



14.1 Unscrew the ball joint fastening to the steering knuckle.

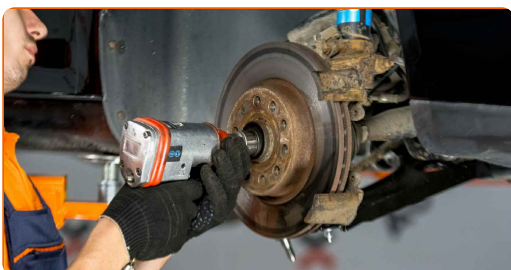


14.2 Use a combination spanner #19.



15 Disconnect the lower arm from the steering knuckle. Use a hammer.

16 Unscrew the fastener connecting the drive shaft to the wheel hub. Use a drive socket #27.

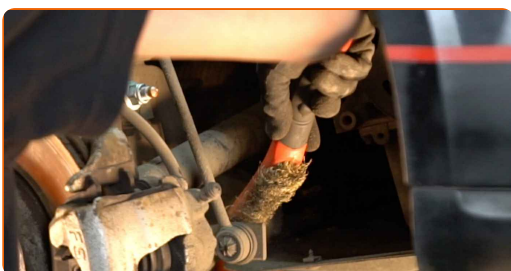


17 Disconnect the lower arm from the steering knuckle. Use a crowbar.

18 Remove the fastening bolt.

19 Remove the drive shaft.

20 Clean the stabiliser link fasteners. Use a wire brush. Use WD-40 spray.



21.1 Unscrew the nut and remove the stabilizer rod from the shock strut.



21.2 Use a combination spanner #19. Use HEX No.H5. Use a ratchet wrench.



22 Lower the car.

23 Open the hood.

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

25 Remove the cowl grille seal.

26 Raise up and remove the cowl grille.



27 Clean the fasteners of the shock strut upper mount. Use WD-40 spray.

28

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

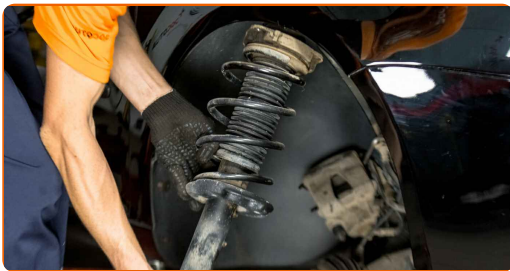


AUTODOC recommends:

- VW PASSAT Estate Van (365) – To avoid injury, hold the suspension strut while unscrewing the fastening bolts.

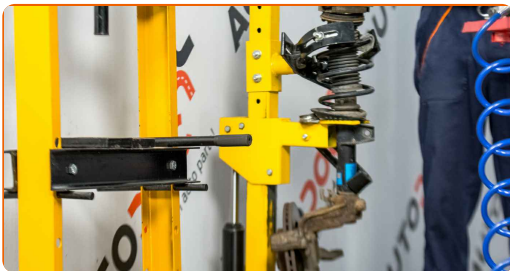
29

Remove the suspension strut.



30

Set the shock absorber strut on the spring compressor tool.



Replacement: strut mount – VW PASSAT Estate Van (365). Tip:

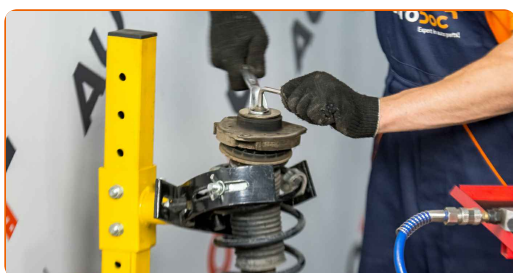
- Note that when using a spring compressor, spring coils need to be securely gripped, compressing the spring on the opposite sides.
- Ensure the correct position of the spring in the retainer.
- Make sure that the spring coils tightly entered the lock handles.

31 Compress the spring.

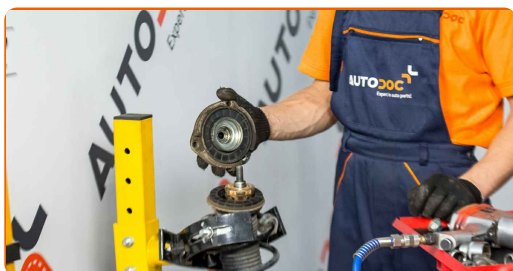
32 Treat the shock strut rod. Use a wire brush. Use WD-40 spray.



33 Remove the strut piston rod nut. Use a drive socket #21. Use HEX No.H6. Use a ratchet wrench.



34 Remove the top strut mount.



35 Clean the mounting seat of the shock strut mount. Use a wire brush. Use WD-40 spray.

Replacement: strut mount – VW PASSAT Estate Van (365). Tip from AUTODOC:

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

36 Install a new strut mount.



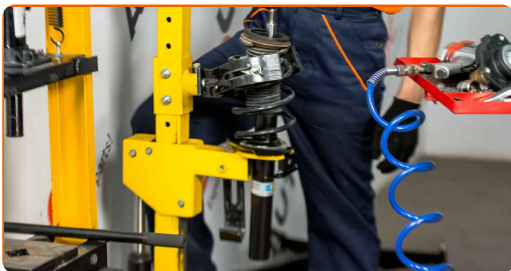
37 Tighten the shock strut piston rod nut. Use HEX No.H6. Use a drive socket #21. Use a torque wrench. Tighten it to 60 Nm torque.



Replacement: strut mount – VW PASSAT Estate Van (365). Professionals recommend:

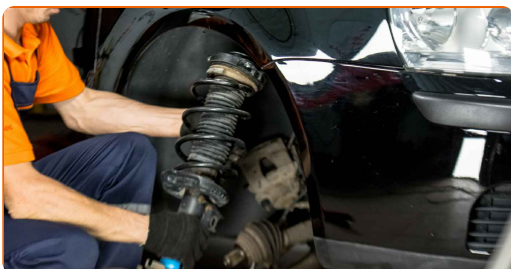
- Check to make sure the spring is positioned correctly. Avoid its misalignment.

38 Decompress the spring.

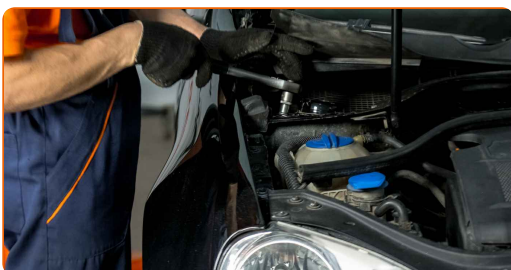


39 Remove the assembled shock strut.

40 Install the shock strut into the wheel arch.



41 Screw the top fastening of the shock strut mount. Do not tighten it.



AUTODOC recommends:

- Important! Hold the suspension strut while screwing in the fastening bolts. VW PASSAT Estate Van (365)

- 42 Tighten the upper fastener of the shock absorber strut mount. Use a drive socket #13. Use a torque wrench. Tighten it to 15 Nm torque. +90°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

- 43 Install and secure the cowl grille.



- 44 Install the cowl grille seal.

- 45 Remove the fender protection cover.

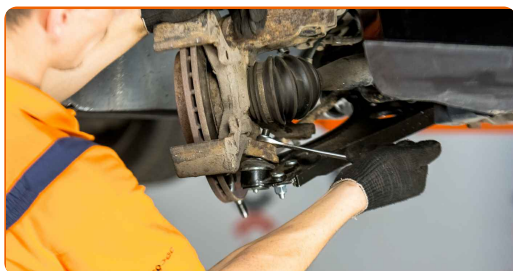
- 46 Close the hood.

- 47 Raise the front of the car and secure on supports.

- 48 Mount the drive shaft into the wheel hub.



49 Connect the lower arm to the steering knuckle.



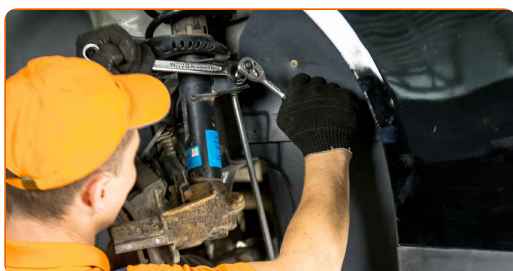
50 Tighten the ball joint fastener. Use a combination spanner #19. Use a torque wrench. Tighten it to 60 nm torque.

51 Install the fastening bolt.

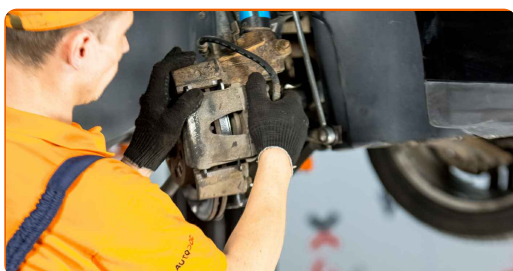
52 Tighten the bolt connecting the drive shaft to the wheel hub. Use a drive socket #27. Use a torque wrench. Tighten it to 200 Nm torque.



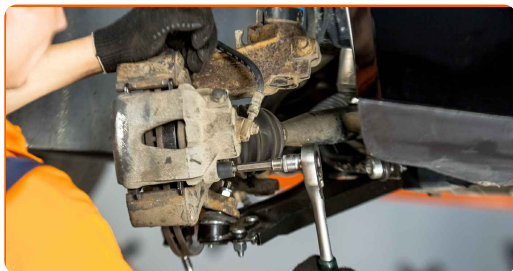
53 Install the transverse stabilizer link. Tighten the fastener connecting the stabilizer link to the shock strut. Use a drive socket #19. Use a torque wrench. Tighten it to 60 Nm torque.



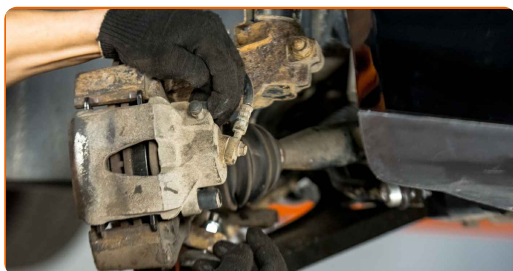
54.1 Install the brake caliper and fix it.



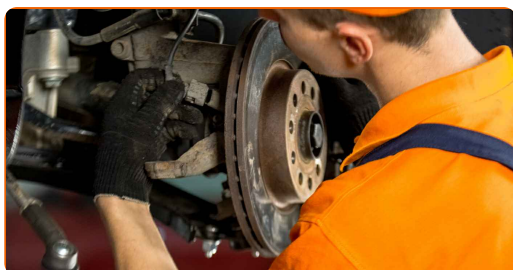
54.2 Use HEX No.H7. Use a torque wrench. Tighten it to 30 Nm torque.



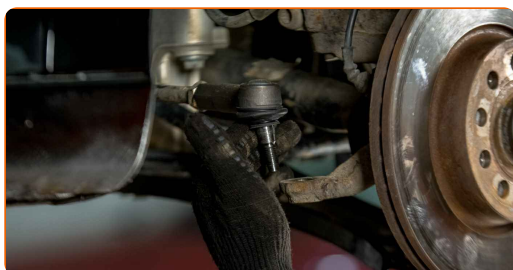
55 Install the dust boot caps of the brake caliper guide pins.



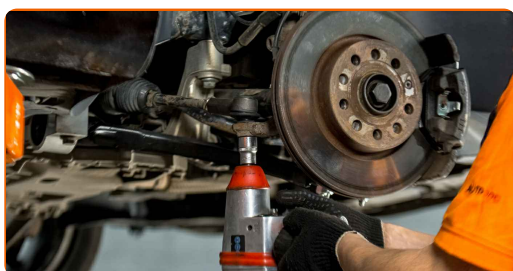
56 Connect the wiring and the brake hose to the bracket on the steering knuckle.



57 Connect the tie rod end to the steering knuckle.



58 Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #19. Use a torque wrench. Tighten it to 20 Nm torque. +90°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

59

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



60

Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: strut mount – VW PASSAT Estate Van (365). After applying the spray, wait a few minutes.

61

Install the wheel.



Replacement: strut mount – VW PASSAT Estate Van (365). Tip from AUTODOC experts:

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

62

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

**63**

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

64

Remove the jacks and chocks.



WELL DONE! 

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STRUT MOUNT: A WIDE SELECTION

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