



How to change front
strut mount on **VW**
Passat 3C B6 Variant –
replacement guide

VIDEO TUTORIAL

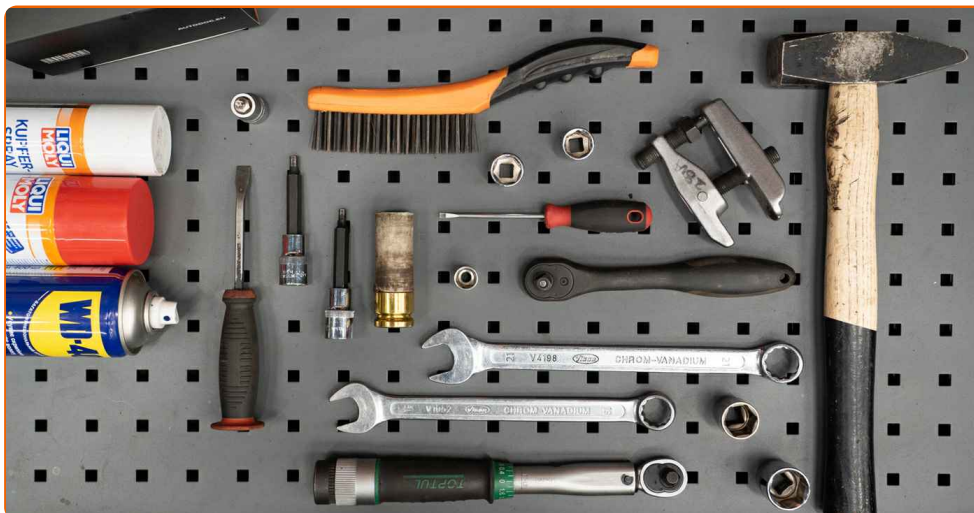
** Important!**

This replacement procedure can be used for:

VW Passat Saloon (362) 1.4 TSI, VW Passat Saloon (362) 1.8 TSI, VW Passat Saloon (362) 2.0 TSI, VW Passat Saloon (362) 1.6 TDI, VW Passat Saloon (362) 2.0 TDI, VW Passat Saloon (362) 2.0 TDI 4motion, VW Passat Saloon (362) 1.4 TSI EcoFuel, VW Passat Variant (365) 1.4 TSI, VW Passat Variant (365) 1.8 TSI, VW Passat Variant (365) 1.6 TDI, VW Passat Variant (365) 2.0 TSI, VW Passat Variant (365) 2.0 TDI, VW Passat Variant (365) 2.0 TDI 4motion, VW Passat Variant (365) 1.4 TSI EcoFuel, VW TOURAN (1T3) 1.2 TSI, (+ 276)

The steps may slightly vary depending on the car design.

**REPLACEMENT: STRUT MOUNT – VW PASSAT
VARIANT B6. TOOLS YOU MIGHT NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #19
- Combination spanner #21
- Drive socket # 13
- Drive socket # 17
- Drive socket # 18
- Drive socket # 21
- Drive socket # 24
- HEX bit no.H5.
- HEX bit no.H6.
- Torx bit T30
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Hammer
- Flat Screwdriver
- Ball joint puller
- Crow bar
- Fender cover
- Wheel chock

BUY TOOLS

Replacement: strut mount – VW Passat 3C5. AUTODOC experts recommend:

- 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.
- All work should be done with the engine stopped.

**REPLACEMENT: STRUT MOUNT – VW PASSAT VARIANT B6.
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.



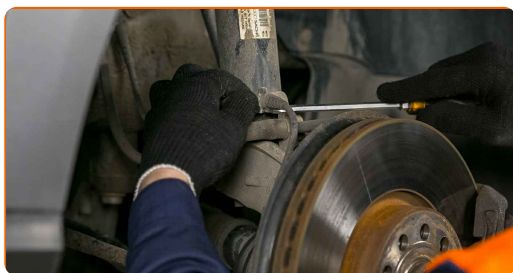
Replacement: strut mount – VW Passat 3C B6 Variant. Tip:

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

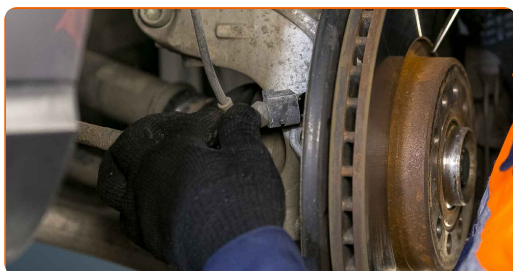
5 Remove the wheel.



6 Disconnect the ABS sensor wiring. Use a crowbar.



7 Disconnect the ABS sensor electric socket. Use a flat screwdriver.



8 Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.

9 Unscrew the caliper bracket fastening. Use a drive socket #21. Use a tap wrench. Use a ratchet wrench.



10 Remove the brake caliper together with its bracket.



Replacement: strut mount – VW Passat 3C5. AUTODOC recommends:

- 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.

11 Clean the brake disc fasteners. Use a wire brush. Use WD-40 spray.

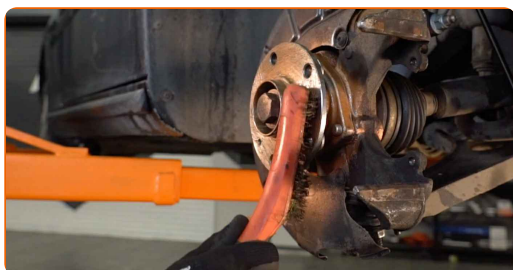
12 Unscrew the brake disc fastening. Use Torx T30. Use a ratchet wrench.



13 Remove the brake disc.

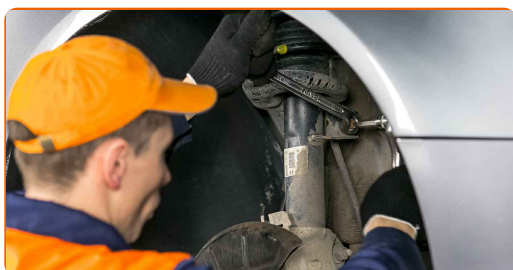


14 Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.



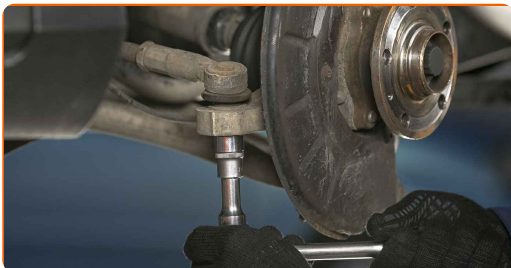
15 Clean the stabiliser link fasteners. Use a wire brush. Use WD-40 spray.

16 Unscrew the fastener connecting the stabilizer link to the shock strut. Use a combination spanner #19. Use HEX No.H5. Use a ratchet wrench.

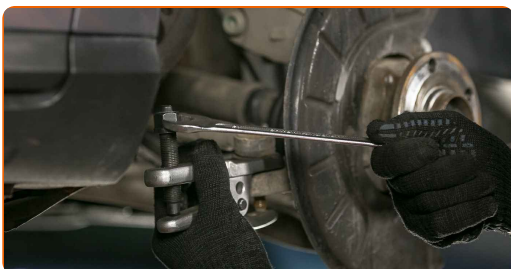


17 Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.

18 Unscrew the end fastening nut to the steering knuckle. Use a drive socket #18. Use a ratchet wrench.

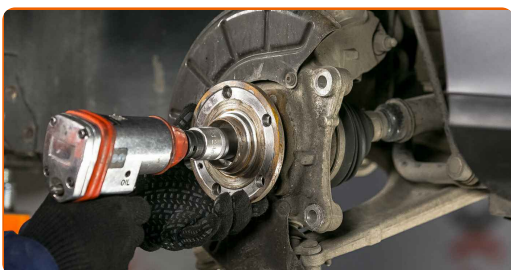


19 Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.



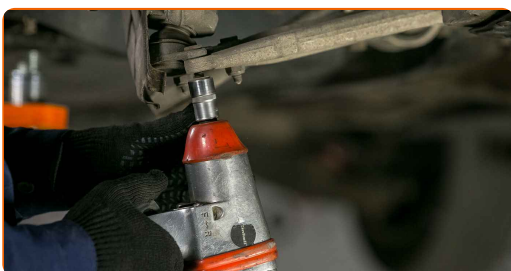
20 Clean the wheel hub fastener. Use a wire brush. Use WD-40 spray.

21 Unscrew the wheel hub axle nut. Use a drive socket #24.



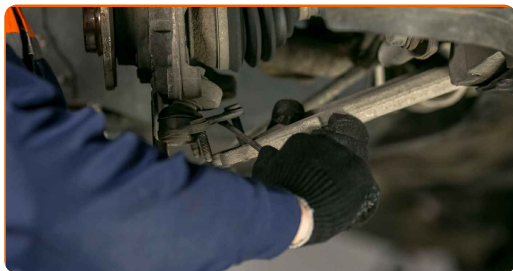
22 Clean the fastener connecting the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.

23 Unscrew the ball joint fastening to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.

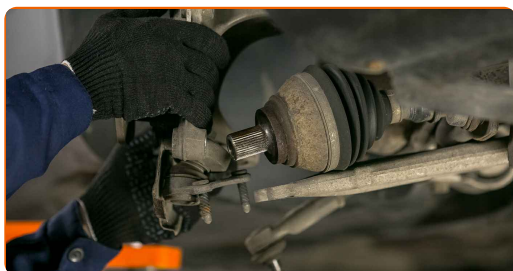


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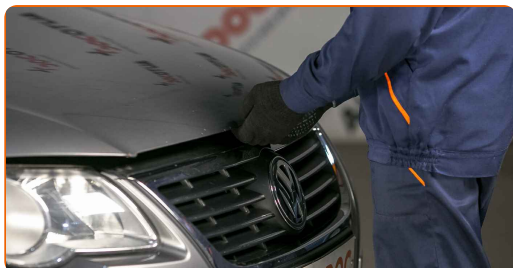
Disconnect the lower arm from the steering knuckle. Use a crowbar.

**25**

Remove the drive shaft from the wheel hub.

**26**

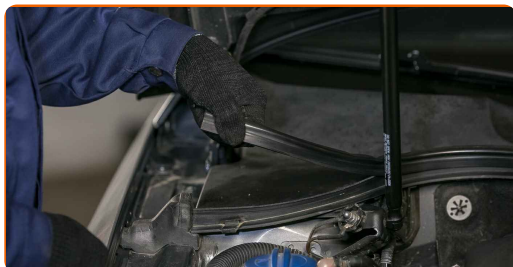
Lower the car. Open the bonnet.

**27**

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

28

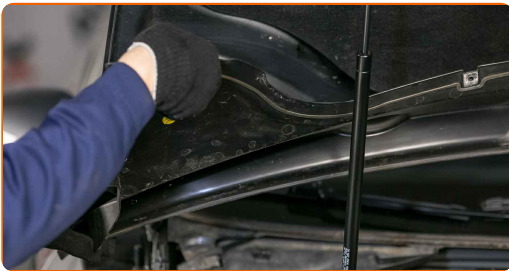
Remove the cowl grille seal.



29 Remove the clips of the plastic cowl grille.

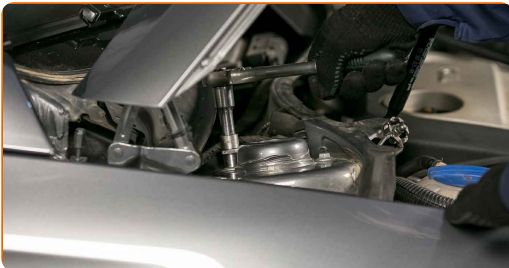


30 Raise up and remove the cowl grille.



31 Clean the fasteners of the shock strut upper mount. Use a wire brush. Use WD-40 spray.

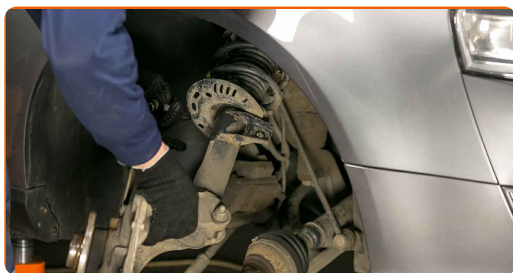
32 Unscrew the top fastening of the shock strut mount. Use a drive socket #13. Use a ratchet wrench.



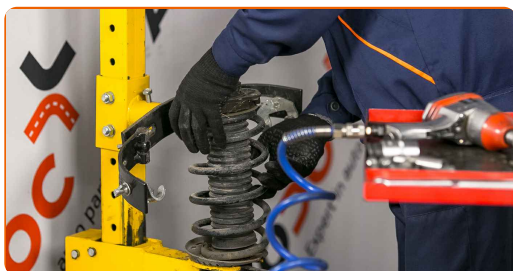
AUTODOC recommends:

- Important! Hold the suspension strut while unscrewing the fastening bolts. VW Passat Variant B6

33 Remove the suspension strut.



34 Set the shock absorber strut on the spring compressor tool.



Replacement: strut mount – VW Passat 3C B6 Variant. 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.

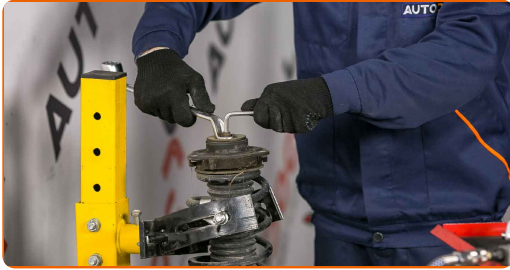
35 Compress the spring.

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



37

Remove the strut piston rod nut. Use a combination spanner #21. Use HEX No.H6. Use a ratchet wrench.



38

Remove the top strut mount.

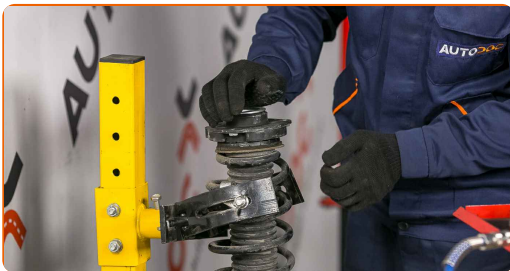


Replacement: strut mount – VW Passat 3C5. Tip from AUTODOC experts:

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

39

Install the upper strut mount and the strut mount bearing.



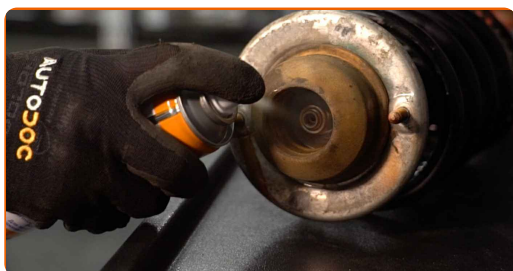
- 40 Tighten the shock strut piston rod nut. Use a combination spanner #21. Use HEX No.H6. Use a torque wrench. Tighten it to 60 Nm torque.



Replacement: strut mount – VW Passat Variant B6. Tip from AUTODOC:

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

- 41 Treat the shock strut rod. Use copper grease.



- 42 Decompress the spring.

- 43 Remove the assembled shock strut.



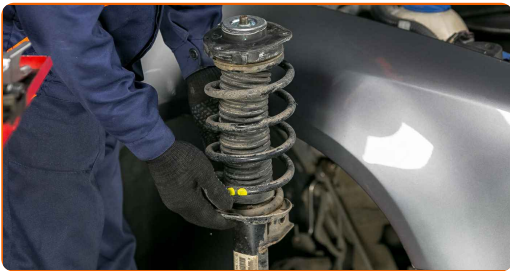
44

Clean the mounting seats of the shock strut. Use a wire brush. Use WD-40 spray.



45

Install the shock strut into the wheel arch.

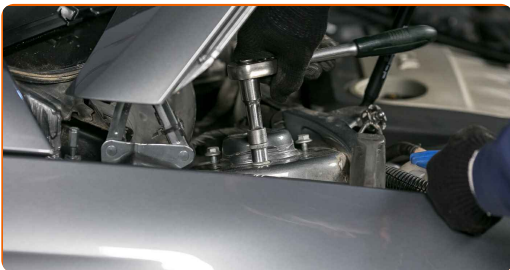


AUTODOC recommends:

- VW Passat 3C B6 Variant – To avoid injury, hold the suspension strut while screwing in the fastening bolts.

46

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:

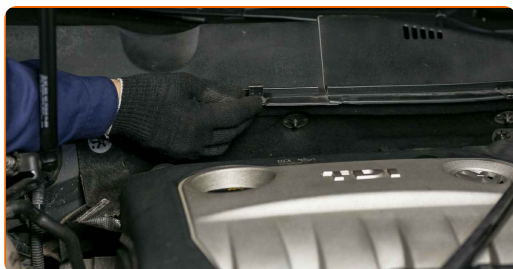
- Important! Be sure to use new fasteners.

47 Treat the fasteners of the shock strut mount. Use copper grease.

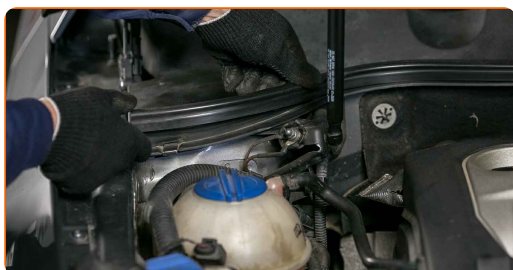
48 Install and secure the cowl grille.



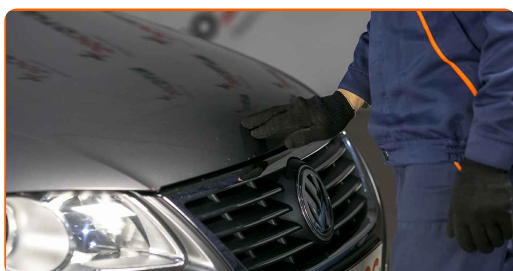
49 Install the fasteners of the wiper plastic cowl grille.



50 Install the cowl grille seal. Remove the fender protection cover.



51 Close the hood. Raise the front of the car and secure on supports.



52

Clean the splines of the drive shaft CV joint. Use a wire brush. Use WD-40 spray.



53

Install the drive shaft into the wheel hub.

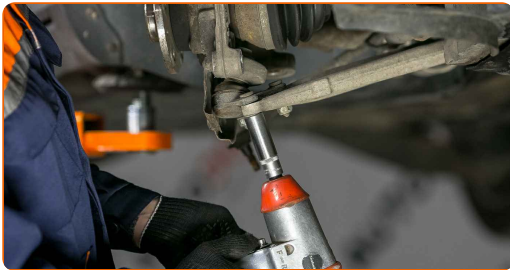


54

Connect the lower arm to the steering knuckle.

55

Tighten the ball joint fastener. Use a drive socket #17. Use a torque wrench. Tighten it to 60 Nm torque.



56

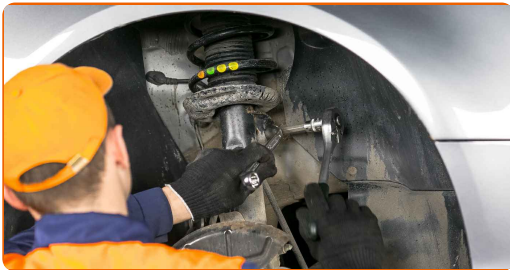
Tighten the hub. Use a drive socket #24. Use a torque wrench. Tighten it to 70 Nm torque.+90°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

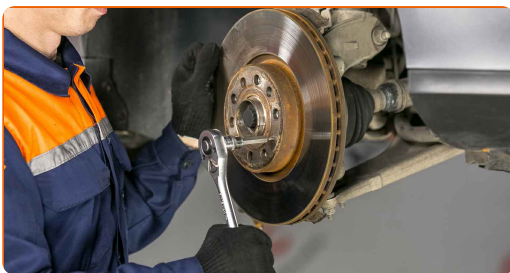
57 Tighten the fastener connecting the stabilizer link to the shock strut. Use a combination spanner #19. Use HEX No.H5. Use a torque wrench. Tighten it to 60 Nm torque.



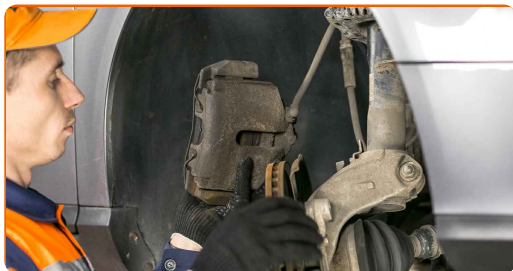
58 Install the brake disc.



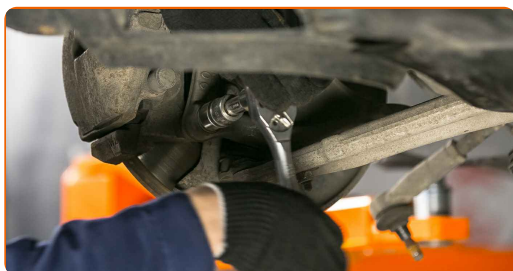
59 Tighten the brake disc fastening. Use Torx T30. Use a torque wrench. Tighten it to 4 Nm torque.



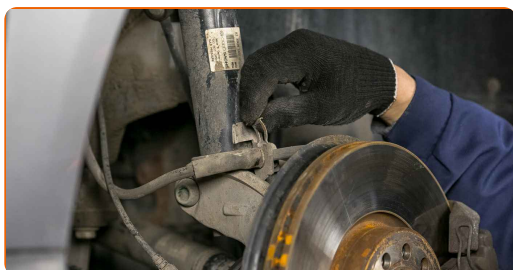
60 Install the brake caliper together with its bracket.



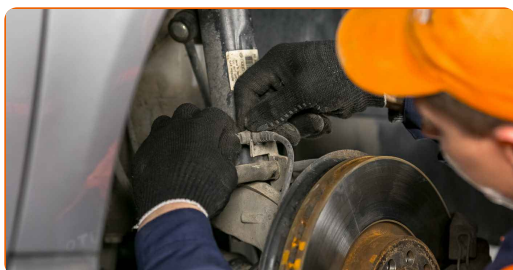
61 Tighten the brake caliper bracket. Use a drive socket #21. Use a torque wrench. Tighten it to 200 Nm torque.



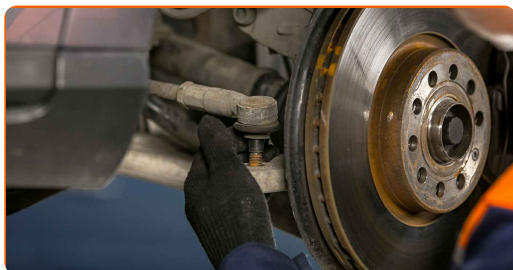
62 Connect the ABS sensor wiring.



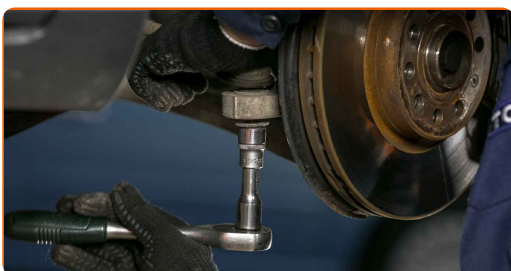
63 Connect the ABS sensor electric socket. Use a hammer.



64 Connect the tie rod end to the steering knuckle.



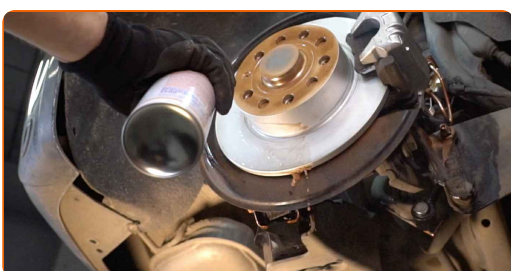
- 65 Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #18. Use a torque wrench. Tighten it to 100 nm torque.



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



- 67 Clean the brake disc surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: strut mount – VW Passat 3C B6 Variant. After applying the spray, wait a few minutes.

- 68 Install the wheel.



Replacement: strut mount – VW Passat 3C5. AUTODOC experts recommend:

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

69

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



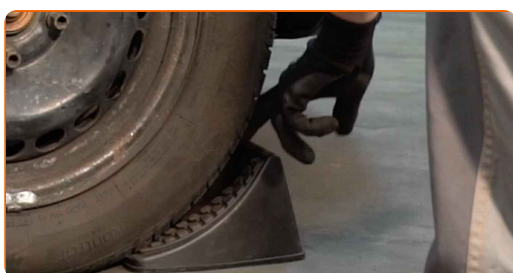
70

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.



71

Remove the jacks and chocks.



WELL DONE! 

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