



How to change front
upper arm on **VW Passat**
B5 Estate (3B5) –
replacement guide

SIMILAR VIDEO TUTORIAL



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

ⓘ Important!

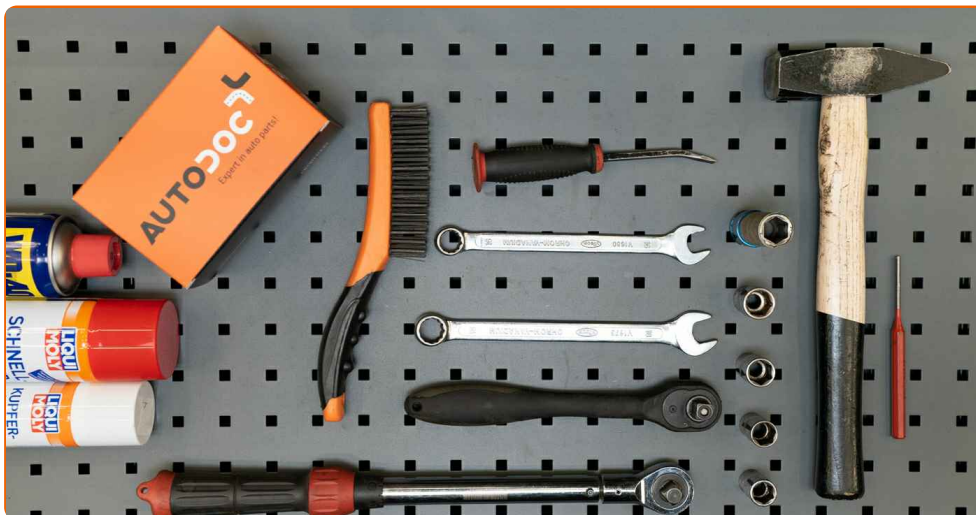
This replacement procedure can be used for:

VW Passat B5 Estate (3B5) 1.6, VW Passat B5 Estate (3B5) 1.8, VW Passat B5 Estate (3B5) 1.8 T, VW Passat B5 Estate (3B5) 2.3 VR5, VW Passat B5 Estate (3B5) 2.8 V6, VW Passat B5 Estate (3B5) 1.9 TDI, VW Passat B5 Estate (3B5) 2.8 V6 Syncro/4motion, VW Passat B5 Estate (3B5) 1.8 Syncro/4motion, VW Passat B5 Estate (3B5) 1.9 TDI Syncro/4motion, VW Passat B5 Estate (3B5) 2.3 VR5 Syncro/4motion, VW Passat B5 Estate (3B5) 2.5 TDI, VW Passat B5 Estate (3B5) 2.5 TDI Syncro/4motion, VW Passat B5 Estate (3B5) 1.9 TDI 4motion

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 B5 GP Estate (3BG, 3B6) 1.9 TDI

**REPLACEMENT: FRONT UPPER ARM – VW PASSAT B5
ESTATE (3B5). TOOLS YOU NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #16
- Combination spanner #18
- Drive socket # 13
- Drive socket # 15
- Drive socket # 16
- Drive socket # 18
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Pin punch
- Hammer
- Crow bar
- Hydraulic transmission jack
- Fender cover
- Wheel chock

Buy tools

Replacement: front upper arm – VW Passat B5 Estate (3B5). Tip:

- The replacement procedure is identical for the right and left upper control arms.
- All work should be done with the engine stopped.

REPLACEMENT: FRONT UPPER ARM – VW PASSAT B5 ESTATE (3B5). TAKE THE FOLLOWING STEPS:

1 Open the hood.

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

3 Remove the cowl grille seal.



4 Raise up and remove the cowl grille.

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



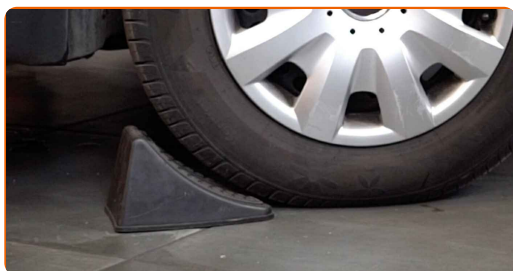
6

Loosen the upper fastener of the shock strut mount. Use a drive socket #16. Use a ratchet wrench.



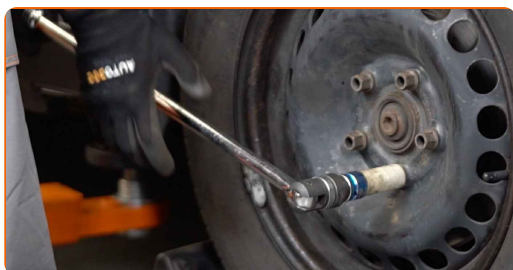
7

Secure the wheels with chocks.



8

Loosen the wheel mounting bolts. Use wheel impact socket #17.



9

Raise the front of the car and secure on supports.

10

Unscrew the wheel bolts.

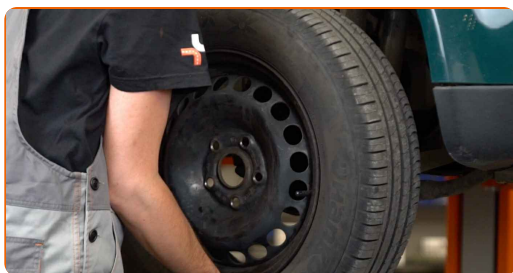


Replacement: front upper arm – VW Passat B5 Estate (3B5). AUTODOC recommends:

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

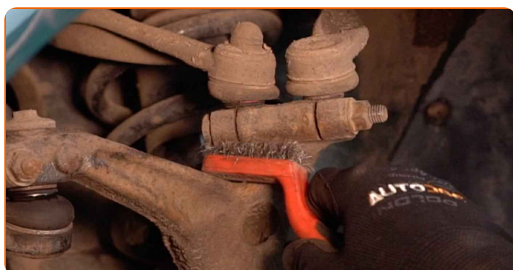
11

Remove the wheel.



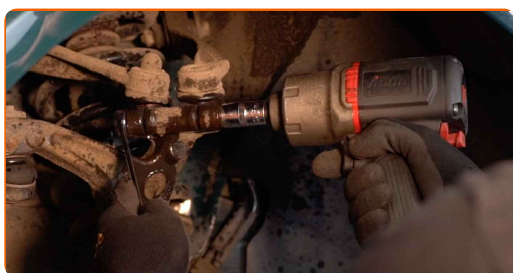
12

Clean all joints of the arm. Use a wire brush. Use WD-40 spray.



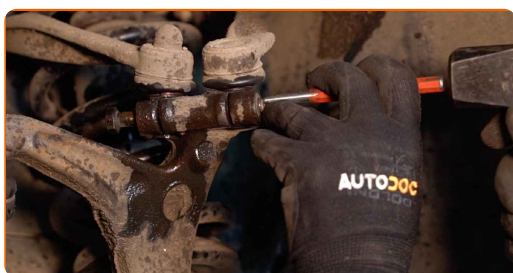
13

Unscrew the upper control arm fasteners (2 pieces). Use a combination spanner #16. Use a drive socket #16.



14

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



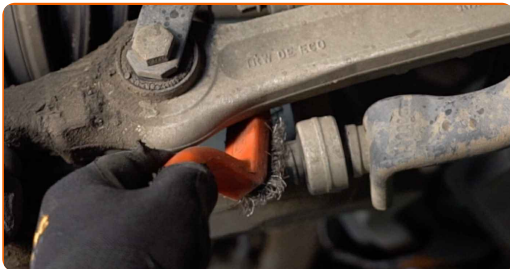
15

Detach the upper control arm from the steering knuckle (2 pieces). Use a crowbar.



16

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



17

Unscrew the fastener connecting the stabilizer link to the stabilizer bar. Use a combination spanner #16 (2 pieces).

18

Unscrew the fastener connecting the stabilizer bar with the control arm. Use a combination spanner #16 (2 pieces).



19

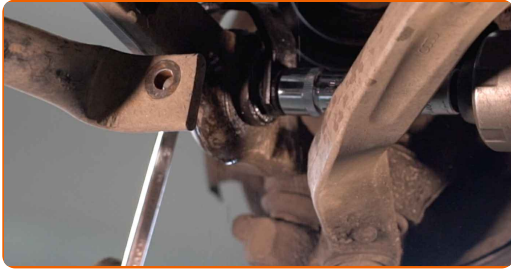
Remove the stabilizer rod.

20

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



21 Unscrew the lower fastener of the shock absorber strut. Use a drive socket #18. Use a combination spanner #18.



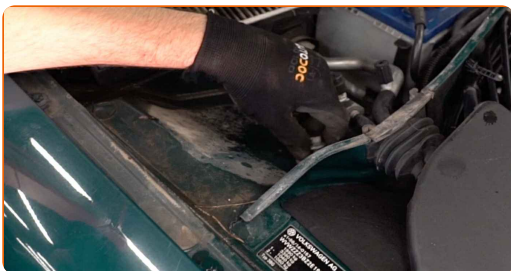
22 Remove the fastening bolt.



23 Detach the bottom part of the shock strut. Use a crowbar.



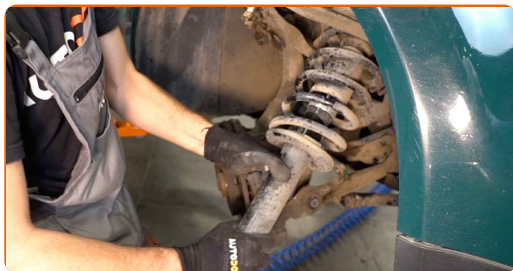
24 Unscrew the top fastening of the shock strut mount.



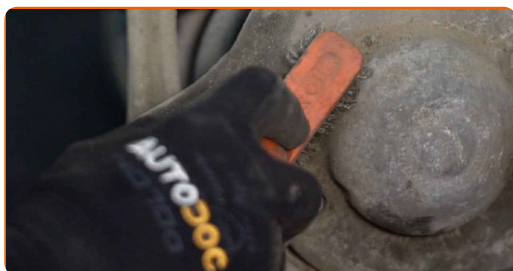
AUTODOC recommends:

- Important! Hold the suspension strut while unscrewing the fastening bolts. VW Passat B5 Estate (3B5)

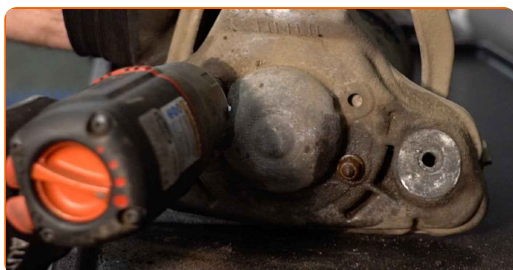
25 Remove the suspension strut.



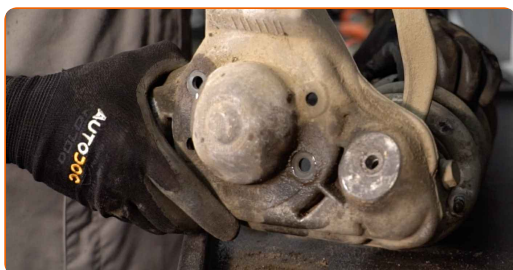
26 Clean the fasteners of the shock strut upper mount. Use a wire brush. Use WD-40 spray.



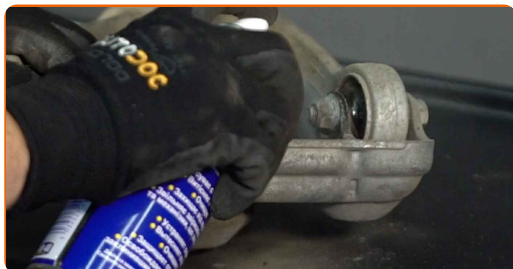
27 Loosen the upper fastener of the shock strut mount. Use a drive socket #13.



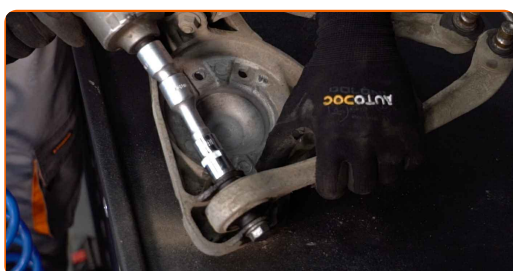
28 Remove the upper shock absorber mount assembled with the control arms.



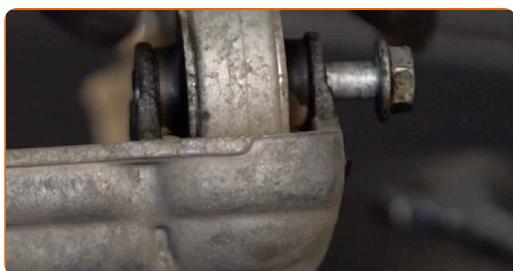
29 Clean all joints of the arm. Use a wire brush. Use WD-40 spray.



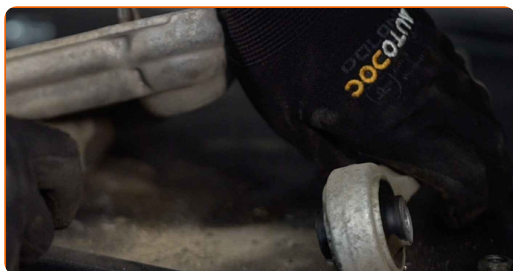
30 Unscrew the fasteners connecting the control arms to the shock strut mount. Use a drive socket #16. Use a combination spanner #16.



31 Remove the fastening bolt.

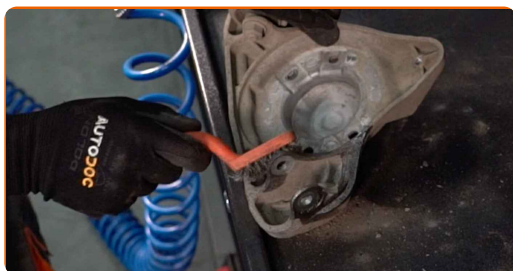


32 Remove the arm.



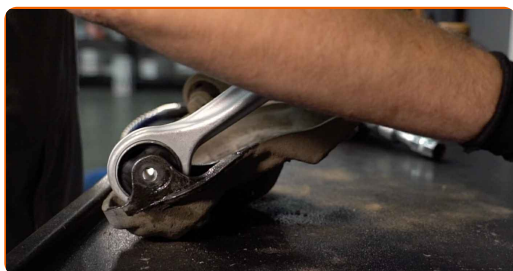
33

Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.



34

Install a new arm.



Replacement: front upper arm – VW Passat B5 Estate (3B5). AUTODOC experts recommend:

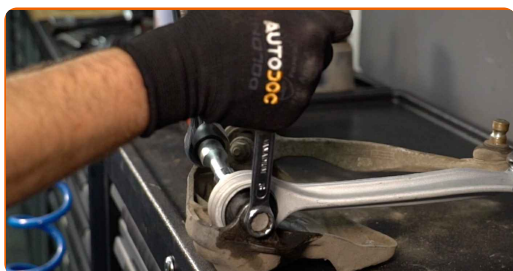
- During the installation process, use only new bolts and nuts.
- Do not damage the ball joint cover.
- Position the control arm according to its mounting holes.

35

Install the fastening bolt.



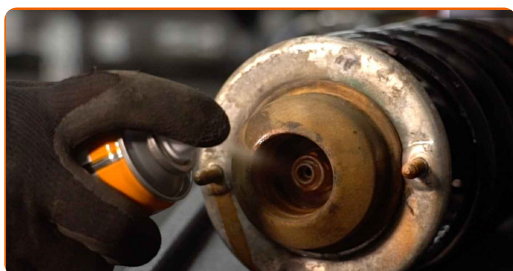
- 36** Tighten the fastener connecting the control arms to the shock strut mount. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 50 Nm torque.+90°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

- 37** Treat the shock strut rod. Use copper grease.



- 38** Install the upper shock absorber mount assembled with the control arms.



- 39** Screw the top fastening of the shock strut mount. Do not tighten it.



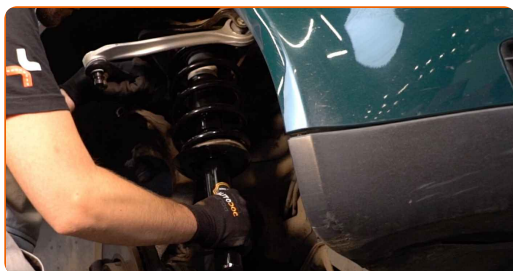
Replacement: front upper arm – VW Passat B5 Estate (3B5). Tip from AUTODOC:

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

40 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.



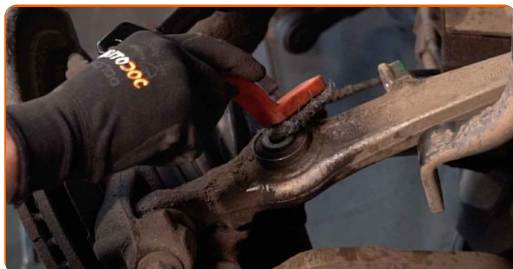
41 Install the shock strut into the wheel arch.



42 Screw the top fastening of the shock strut mount. Use a drive socket #15. Do not tighten it.



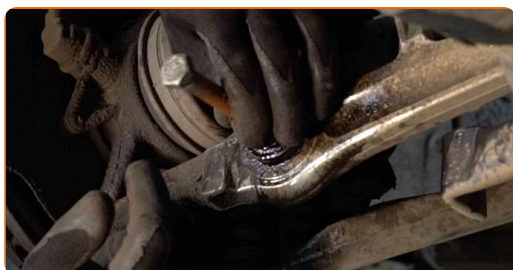
43 Clean the mounting seats of the shock strut. Use a wire brush. Use WD-40 spray.



44 Attach the suspension control arm to the shock strut.



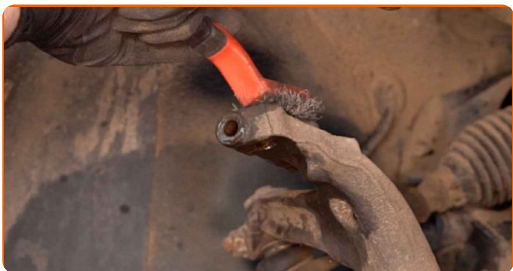
45 Install the fastening bolt.



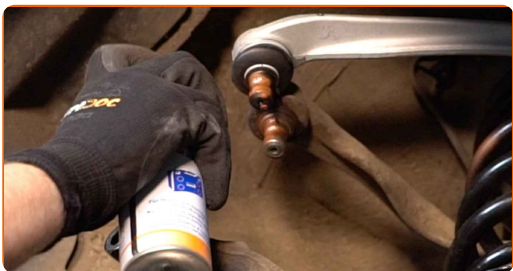
46 Screw in the lower fastener of the shock strut. Use a combination spanner #18. Use a drive socket #18.



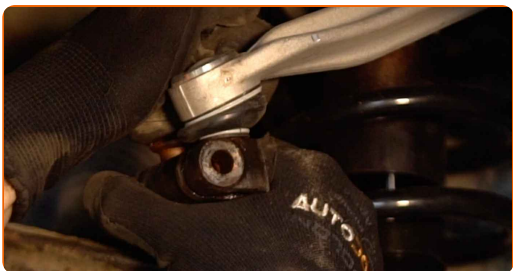
47 Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.



48 Treat all joints of the arm. Use copper grease.



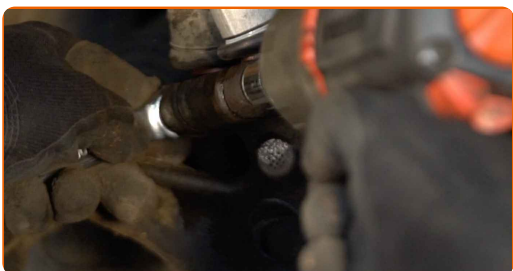
49 Attach the upper control arm to the steering knuckle (2 pieces).



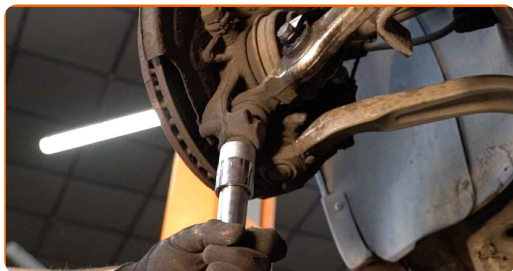
50 Install the fastening bolt.



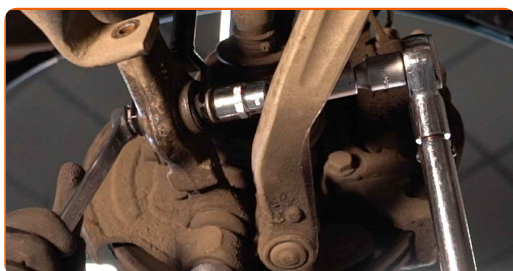
51 Screw in the fasteners (2 pieces) of the upper control arm. Use a combination spanner #16. Use a drive socket #16.



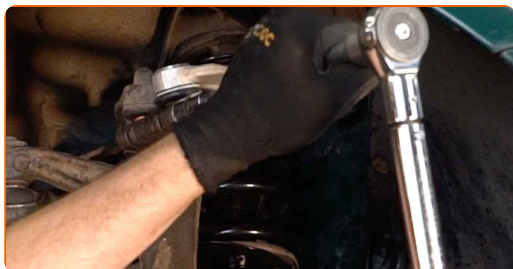
52 Support the arm. Use a hydraulic transmission jack.



53 Tighten the lower fastening of the shock absorber. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 90 Nm torque.



54 Tighten the upper control arm fasteners (2 pieces). Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 40 Nm torque.



55 Remove the support from under the arm.

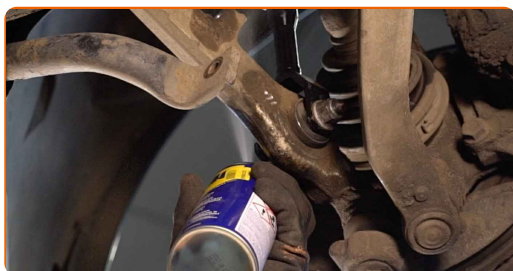


AUTODOC recommends:

- Replacement: front upper arm – VW Passat B5 Estate (3B5). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

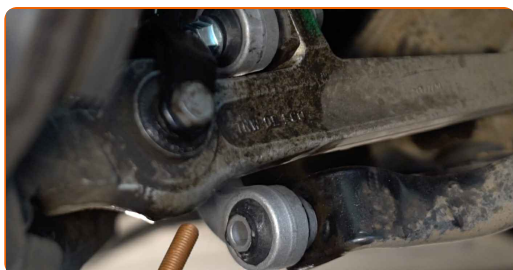
56

Clean the mounting seats of the stabiliser link. Use a wire brush. Use WD-40 spray.



57

Install the transverse stabilizer link.



58

Tighten the fastener connecting the stabilizer bar with the control arm. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 40 Nm torque.+90°



AUTODOC recommends:

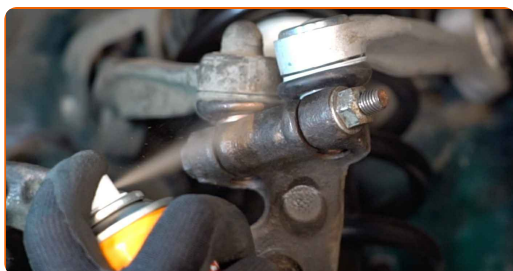
- Important! Be sure to use new fasteners.

59 Tighten the fastener connecting the stabilizer link to the stabilizer bar. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 40 Nm torque.+90°

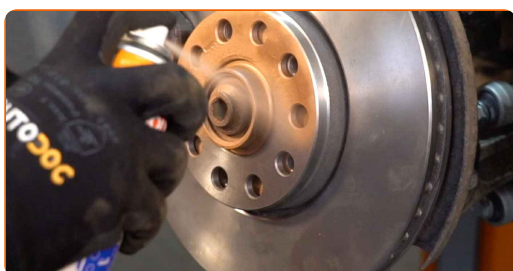
AUTODOC recommends:

- Important! Be sure to use new fasteners.

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

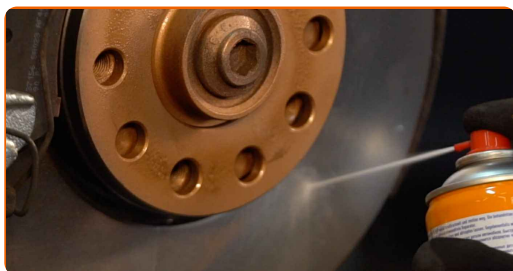


61 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



62

Clean the brake disk surface. Use a brake cleaner.

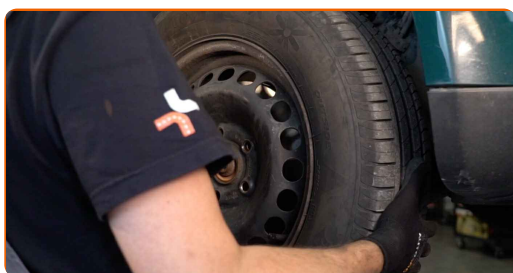


AUTODOC recommends:

- After applying the spray, wait a few minutes.

63

Install the wheel.

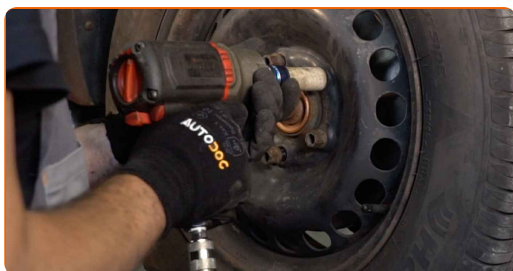


Replacement: front upper arm – VW Passat B5 Estate (3B5). Tip from AUTODOC experts:

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

64

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



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



- 66 Remove the jacks and chocks.



- 67 Tighten the upper fastener of the shock absorber strut mount. Use a drive socket #15. Use a torque wrench. Tighten it to 65 nm torque.



- 68 Install and secure the cowl grille.



- 69 Install the cowl grille seal.



70

Remove the fender protection cover.

71

Close the hood.

WELL DONE! 

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