



How to change front  
strut mount on **VW**  
**TIGUAN (5N\_)** –  
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 TIGUAN (5N\_) 2.0 TDI 4motion, VW TIGUAN (5N\_) 1.4 TSI, VW TIGUAN (5N\_) 1.4 TSI 4motion, VW TIGUAN (5N\_) 2.0 TSI 4motion, VW TIGUAN (5N\_) 2.0 TDI

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 VI (5K1) 2.0 GTi

**REPLACEMENT: STRUT MOUNT – VW TIGUAN (5N\_).  
TOOLS YOU NEED:**



- Wire brush
- WD-40 spray
- Copper grease
- Combination spanner #16
- Combination spanner #18
- Drive socket # 13
- Drive socket # 16
- Drive socket # 18
- Drive socket # 21
- 12-point socket # 24
- HEX bit No.H6.
- XZN socket bit # 6
- Shock absorber socket
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Flat chisel
- Hammer
- Tap wrench
- Crow bar
- Hydraulic strut spring compressor
- Hydraulic transmission jack
- Wheel chock

**Buy tools**

Replacement: strut mount – VW TIGUAN (5N\_). AUTODOC experts recommend:

- 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.
- Please note: all work on the car – VW TIGUAN (5N\_) – should be done with the engine switched off.

**CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:**

**1** Open the bonnet.

**2** Secure the wheels with chocks.



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



**4** Raise the front of the car and secure on supports.



**5** Unscrew the wheel bolts.



**AUTODOC recommends:**

- Important! Hold the wheel while unscrewing the fastening bolts. VW TIGUAN (5N\_)

**6** Remove the wheel.



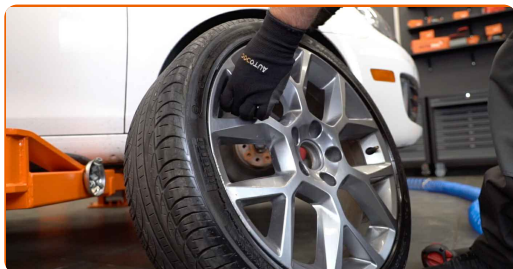
**7** Remove the hub bearing protection cap.



Please note!

- Some cars are not equipped with wheel hub caps.

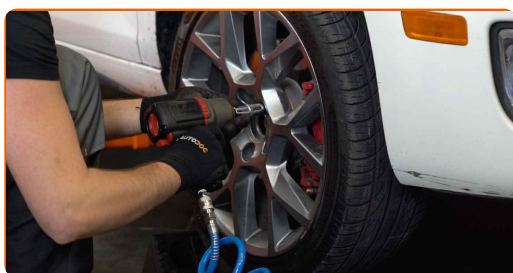
**8** Install the wheel.



Replacement: strut mount – VW TIGUAN (5N\_). Tip:

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

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



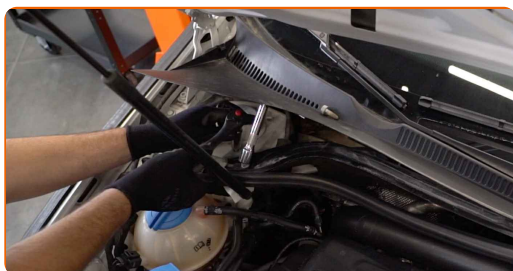
**10** Loosen the wheel hub bolt. Use drive 12-point socket #24. Use a tap wrench.



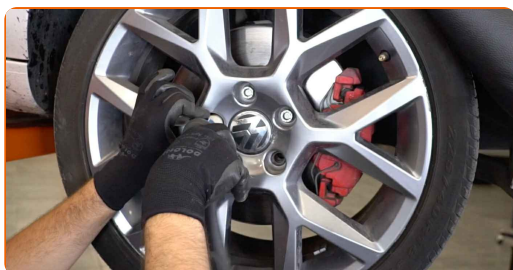
**11** Remove the cowl grille seal. Raise the wiper plastic cowl grille.



**12** Loosen the upper fastener of the shock strut mount. Use a drive socket #13. Use a ratchet wrench.



**13** Unscrew the wheel bolts.



Replacement: strut mount – VW TIGUAN (5N\_). AUTODOC recommends:

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

**14** Remove the wheel.



**15** Disconnect the wiring and the brake hose from the bracket on the shock strut. Use a crowbar.



**16** Clean the fasteners connecting the stabiliser link to the shock strut, and those connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.



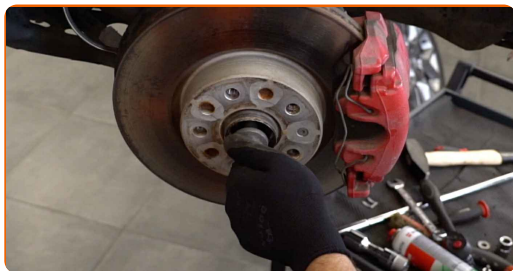
**17** Unscrew the nut and remove the stabilizer rod from the shock strut. Use a combination spanner #16. Use XZN #6. Use a ratchet wrench.





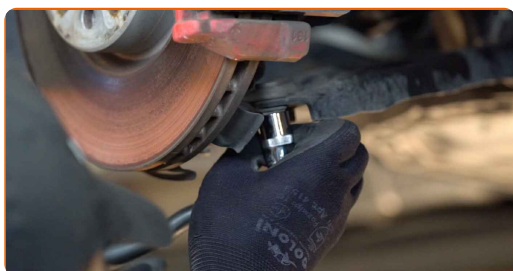
18

Unscrew the fastener connecting the drive shaft to the wheel hub. Use drive 12-point socket #24.



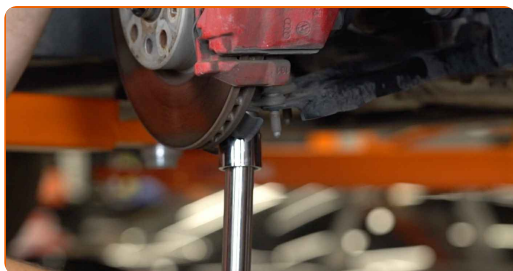
19

Unscrew the fastener connecting the ball joint to the suspension control arm. Use a drive socket #16. Use a ratchet wrench.



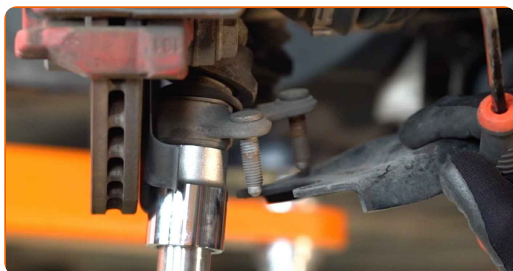
20

Prop up the steering knuckle. Use a hydraulic transmission jack.



21

Disconnect the spherical joint from the arm. Use a crowbar.



- 22** Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a drive socket #18. Use a combination spanner #18. Use a tap wrench.



- 23** Lower the hydraulic transmission jack by 10-15 cm.



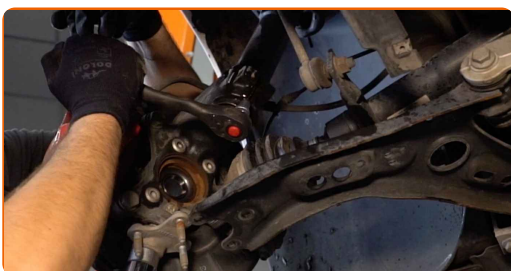
**AUTODOC recommends:**

- Replacement: strut mount – VW TIGUAN (5N\_). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

- 24** Remove the drive shaft from the wheel hub.



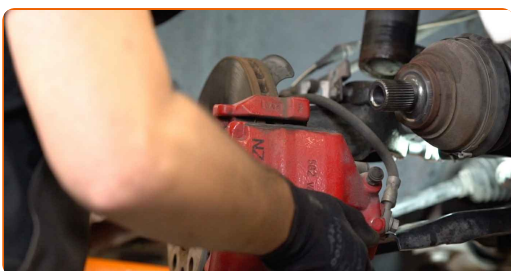
- 25** Release the lower fastener connecting the shock strut to the steering knuckle. Use a special drive socket to remove the shock absorber. Use a ratchet wrench.



- 26** Disconnect the steering knuckle from the shock absorber strut. Use a flat metal-working chisel. Use a hammer.



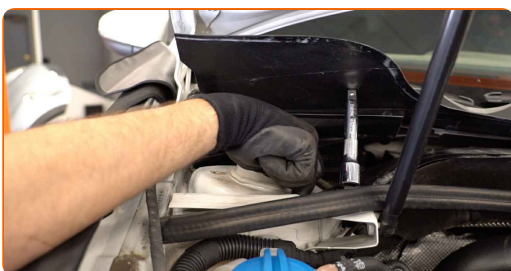
- 27** Prop up the steering knuckle. Use a hydraulic transmission jack.



**Replacement: strut mount – VW TIGUAN (5N\_). Tip:**

- Make sure that the steering knuckle is not released from load.

- 28** Unscrew the upper fastening of the shock absorber strut.



**AUTODOC recommends:**

- Important! Hold the suspension strut while unscrewing the fastening bolts. VW TIGUAN (5N\_)

**29**

Remove the suspension strut.



**30**

Set the shock absorber strut on the spring compressor tool.



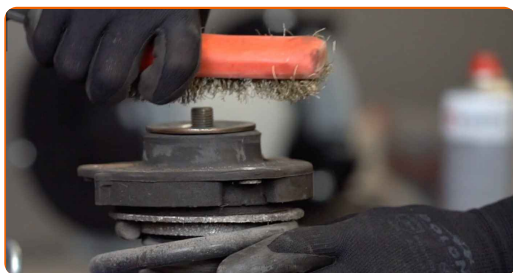
**Replacement: strut mount – VW TIGUAN (5N\_). Tip from AUTODOC experts:**

- 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.

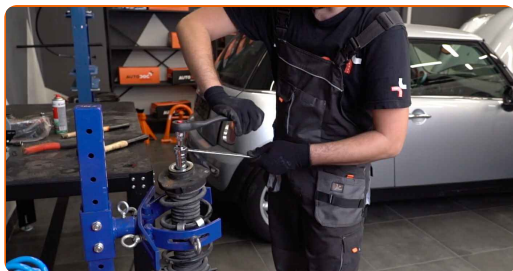
**31** Compress the spring.



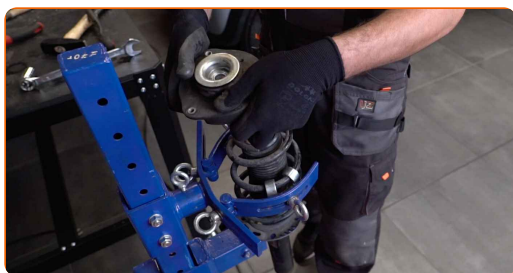
**32** Clean the shock absorber rod fastener. Use a wire brush. Use WD-40 spray.



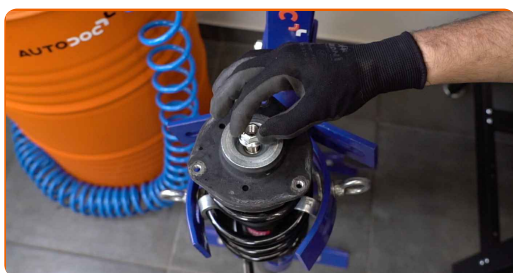
**33** Remove the strut piston rod nut. Use a drive socket #21. Use HEX No.H6. Use a ratchet wrench.



**34** Remove the shock absorber mount, boot and bump stop.



**35** Install the new mount, boot, and bump stop on the shock absorber.



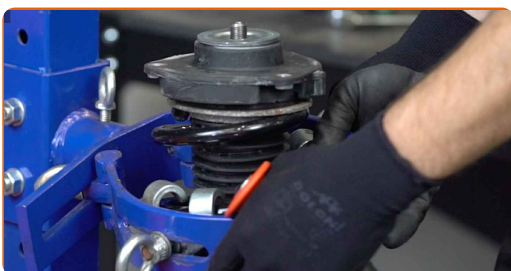
- 36** Tighten the shock strut piston rod nut. Use a drive socket #21. Use HEX No.H6. Use a torque wrench. Tighten it to 60 Nm torque.



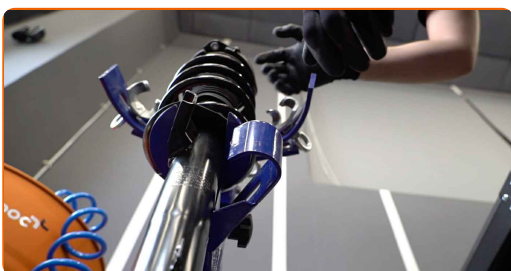
Replacement: strut mount – VW TIGUAN (5N\_). Tip from AUTODOC:

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

- 37** Decompress the spring.



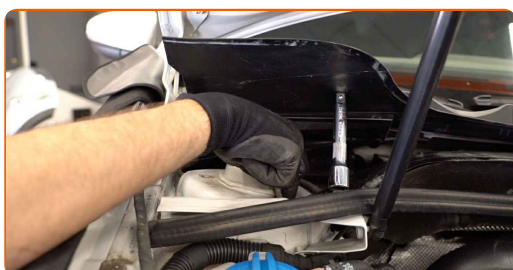
- 38** Remove the assembled shock strut.



**39** Install the shock strut into the wheel arch.



**40** Secure the upper fasteners of the shock strut. Do not tighten it.



**AUTODOC recommends:**

- VW TIGUAN (5N\_) – To avoid injury, hold the suspension strut while screwing in the fastening bolts.

**41** Install and tighten a new bolt of the steering knuckle. Use a drive socket #18. Use a combination spanner #18. Use a torque wrench. Tighten it to 70 Nm torque.+90°



**AUTODOC recommends:**

- Important! Be sure to use new fasteners.

**42** Remove the support from under the steering knuckle.



**43** Mount the drive shaft into the wheel hub.



**44** Attach the ball joint to the control arm.



**45** Tighten the ball joint fastening nut. Use a drive socket #16. Use a torque wrench. Tighten it to 60 Nm torque.

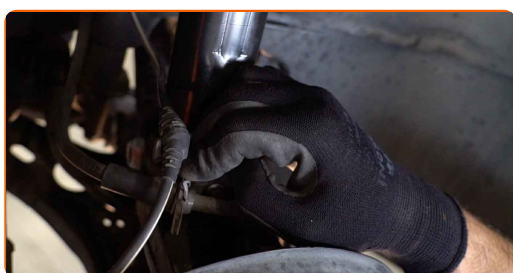




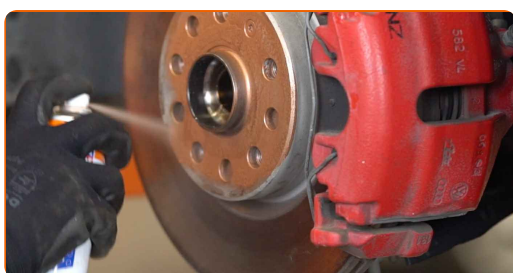
- 46 Secure the stabilizer link on the suspension strut. Use a combination spanner #16. Use XZN #6. Use a torque wrench. Tighten it to 65 Nm torque.



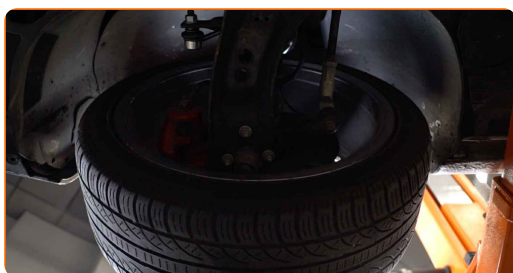
- 47 Connect the fastener of the ABS sensor cable to the shock absorber strut. Fasten the brake hose on the strut.



- 48 Clean the wheel rim mounting seat. Use a wire brush. Treat the contacting surface. Use copper grease.



- 49 Install the wheel.



Replacement: strut mount – VW TIGUAN (5N\_). Professionals recommend:

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

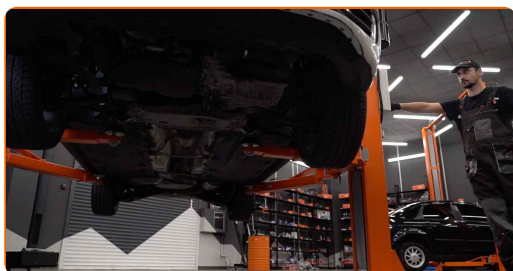
50

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



51

Lower the car.



52

Tighten the shock strut top 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.

53

Install and secure the cowl grille.



54

Tighten the bolt connecting the drive shaft to the wheel hub. Use drive 12-point socket #24. Use a torque wrench. Tighten it to 70 Nm torque. +90°



55

Install the hub bearing protection cap.

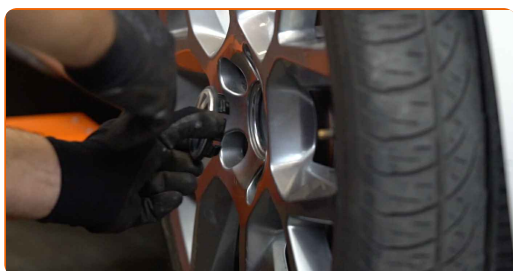


**AUTODOC recommends:**

- Important! Be sure to use new fasteners.

56

Tighten the wheel bolts using a criss-cross pattern. Use a torque wrench. Tighten it to 120 Nm torque.



57

Remove the jacks and chocks.

58

Close the hood.

**WELL DONE!** 

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