



How to change front ball joint on **VW Transporter VI Minibus (SGB, SGG, SGJ)** – replacement guide

SIMILAR VIDEO TUTORIAL



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

Important!

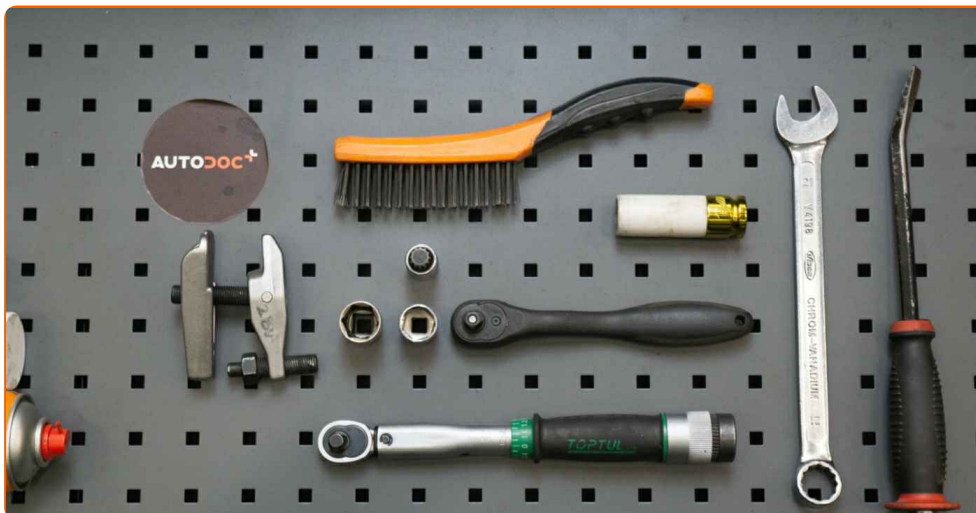
This replacement procedure can be used for:

VW Transporter VI Minibus (SGB, SGG, SGJ) 2.0 TDI, VW Transporter VI Minibus (SGB, SGG, SGJ) 2.0 TDI 4motion, VW Transporter VI Minibus (SGB, SGG, SGJ) 2.0 TSI, VW Transporter VI Minibus (SGB, SGG, SGJ) 2.0 TSI 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 Transporter V Van (7HA, 7HH, 7EA, 7EH) 1.9 TDI

**REPLACEMENT: BALL JOINT – VW TRANSPORTER VI
MINIBUS (SGB, SGG, SGJ). TOOLS YOU NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #21
- Drive socket # 19
- Drive socket # 21
- XZN bit #14
- Wheel impact socket #19
- Ratchet wrench
- Crow bar
- Ball joint puller
- Hydraulic transmission jack
- Wheel chock

Buy tools

Replacement: ball joint – VW Transporter VI Minibus (SGB, SGG, SGJ). Tip from AUTODOC experts:

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

REPLACEMENT: BALL JOINT – VW TRANSPORTER VI MINIBUS (SGB, SGG, SGJ). TAKE THE FOLLOWING STEPS:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #19.



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

4 Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. VW Transporter VI Minibus (SGB, SGG, SGJ)

5

Remove the wheel.



6

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

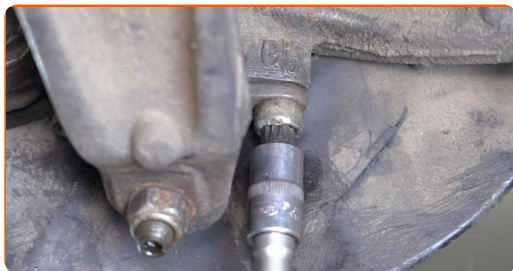


AUTODOC recommends:

- Replacement: ball joint – VW Transporter VI Minibus (SGB, SGG, SGJ). After applying the spray, wait a few minutes.
- Wear protective goggles.
- Wear a respirator.

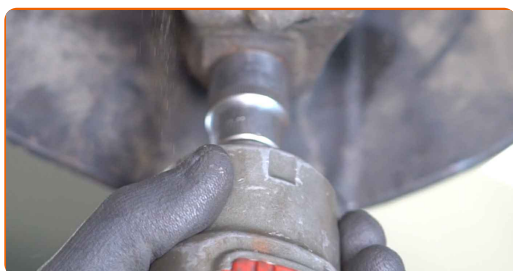
7

Unscrew the ball joint fastening to the steering knuckle. Use XZN #14. Use a ratchet wrench.



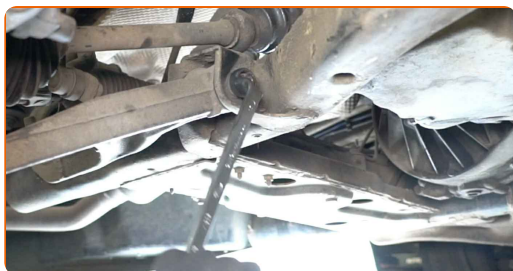
8

Unscrew the fastener connecting the ball joint to the suspension control arm. Use a drive socket #21. Use a ratchet wrench.



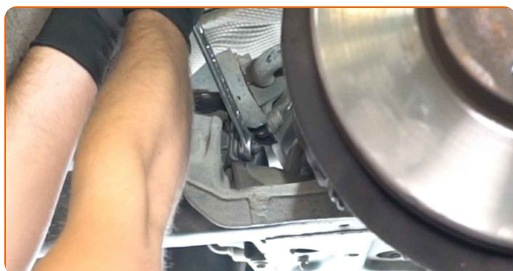
9

Unscrew the front arm fastener. Use a combination spanner #21.

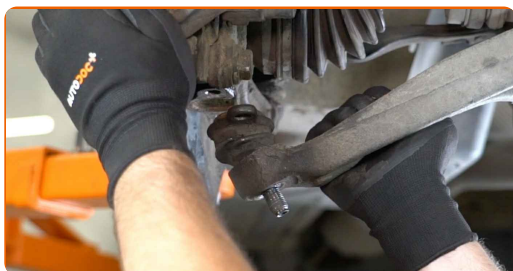


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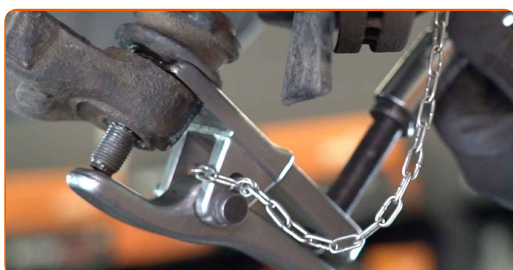
Unscrew the rear fastener connecting the control arm to the subframe. Use a combination spanner #21.



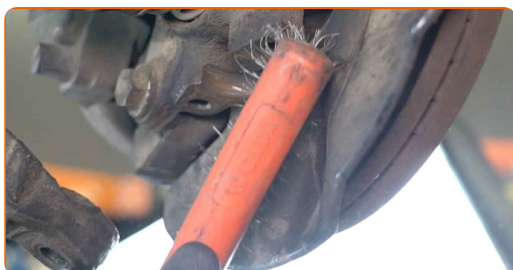
11 Disconnect the ball joint from the steering knuckle. Use a crowbar.



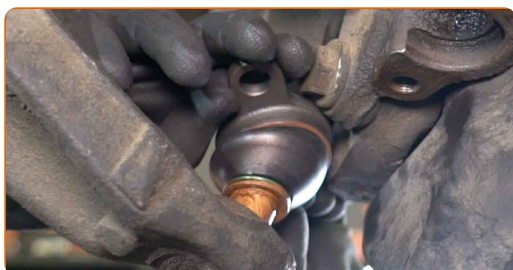
12 Remove the ball joint. Use a ball joint puller.



13 Clean the ball joint mounting seat. Use a wire brush. Use WD-40 spray.



14 Install a new ball joint.

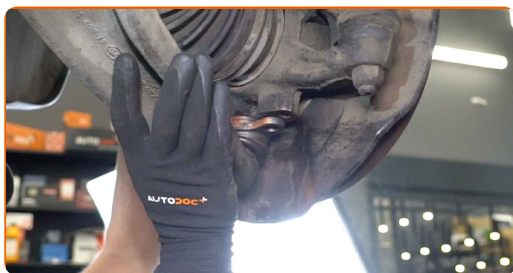


Replacement: ball joint – VW Transporter VI Minibus (SGB, SGG, SGJ). Tip from AUTODOC:

- Do not damage the ball joint cover.

15

Connect the ball joint to the steering knuckle.



16

Screw the fastener connecting the ball joint to the steering knuckle. Use a drive socket #19. Use a ratchet wrench.



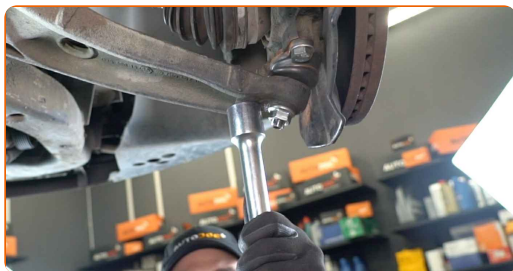
17

Screw in the fastener connecting the ball joint to the control arm. Use a drive socket #21. Use a ratchet wrench.



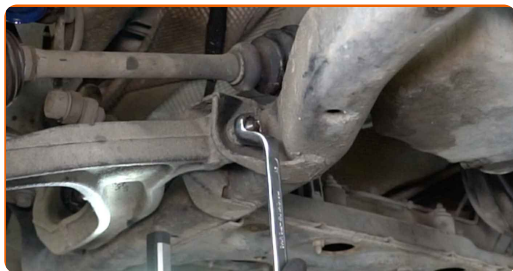
18

Support the arm. Use a hydraulic transmission jack.



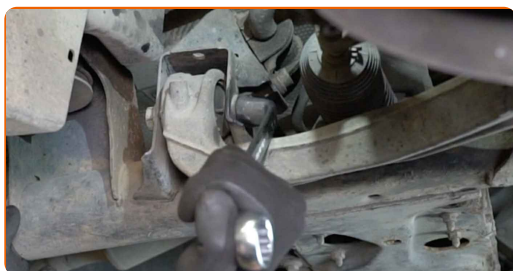
19

Screw the fastener connecting the control arm to the subframe. Use a combination spanner #21.



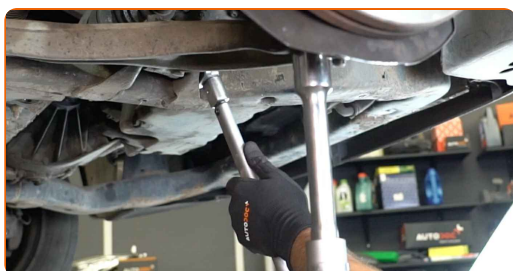
20

Screw the rear fastener connecting the control arm to the subframe. Use a combination spanner #21.



21

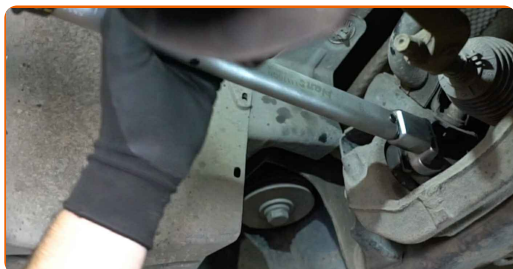
Tighten the front fastener connecting the control arm to the subframe. Use a combination spanner #21. Use a torque wrench. Tighten it to 110 Nm torque. +120°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

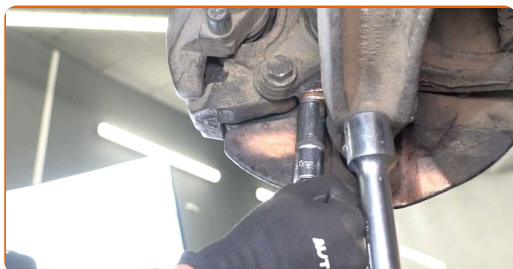
- 22** Tighten the rear fastener connecting the arm to the body subframe. Use a combination spanner #21. Use a torque wrench. Tighten it to 110 Nm torque. +120°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

- 23** Tighten the fastener connecting the ball joint to the steering knuckle. Use a drive socket #19. Use a torque wrench. Tighten it to 90 Nm torque. +45°

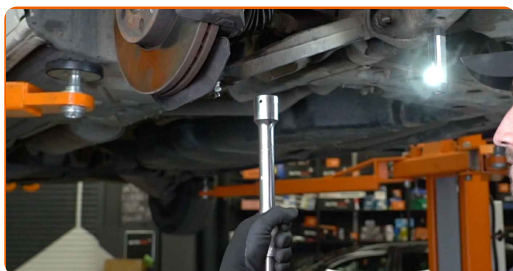


Replacement: ball joint – VW Transporter VI Minibus (SGB, SGG, SGJ). Tip:

- Important! Be sure to use new fasteners.

24

Remove the support from under the arm.



AUTODOC recommends:

- Replacement: ball joint – VW Transporter VI Minibus (SGB, SGG, SGJ). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

25

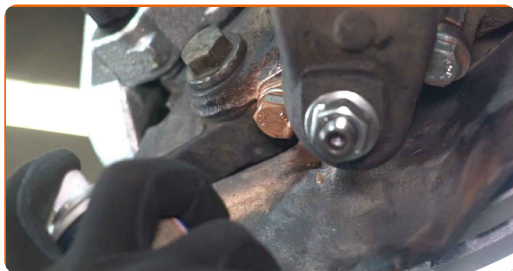
Tighten the fasteners connecting the ball joint to the control arm. Use a drive socket #21. Use a torque wrench. Tighten it to 60 Nm torque. +90°



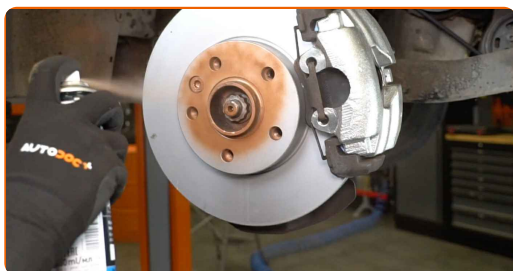
AUTODOC recommends:

- Important! Be sure to use new fasteners.

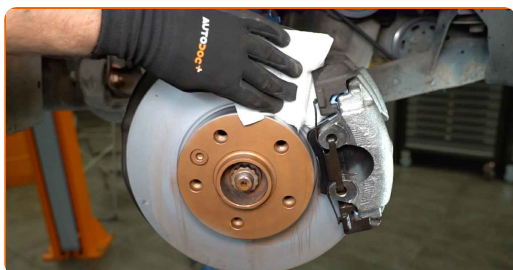
26 Treat all joints of the arm. Use copper grease.



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



28 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: ball joint – VW Transporter VI Minibus (SGB, SGG, SGJ). After applying the spray, wait a few minutes.

29 Install the wheel.

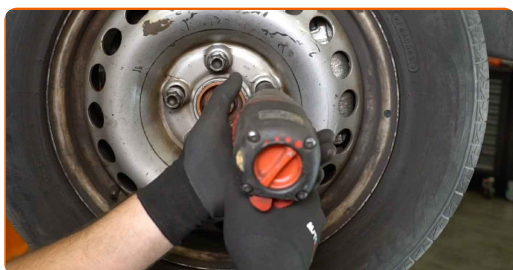


AUTODOC recommends:

- **Warning!** To avoid injury, hold the wheel while screwing in the fastening bolts on the car. VW Transporter VI Minibus (SGB, SGG, SGJ)

30

Screw in the wheel bolts. Use wheel impact socket #19.



31

Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 180 Nm torque.



32

Remove the jacks and chocks.



WELL DONE! 

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