



How to change rear  
brake caliper 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, VW Transporter VI Minibus (SGB, SGG, SGJ) ABT e-Caravelle

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 Multivan V (7HM, 7HN, 7HF, 7EF, 7EM, 7EN) 1.9 TDI

**REPLACEMENT: BRAKE CALIPER – VW TRANSPORTER VI MINIBUS (SGB, SGG, SGJ). TOOLS YOU MIGHT NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Ceramic grease
- Copper grease
- Torque wrench
- Flare nut spanner №11
- Combination spanner #14
- Drive socket # 12
- Wheel impact socket #19
- Ratchet wrench
- Crow bar
- Round-nose pliers
- Brake bleeder kit
- Brake hose clip
- Wheel chock

**Buy tools**

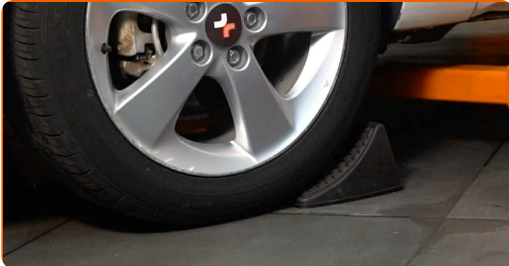
Replacement: brake caliper – VW Transporter VI Minibus (SGB, SGG, SGJ).  
AUTODOC experts recommend:

- The replacement procedure is identical for the left and right brake calipers on the same axle.
- All work should be done with the engine stopped.

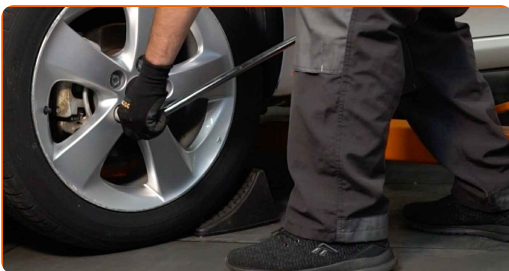
**REPLACEMENT: BRAKE CALIPER – VW TRANSPORTER VI MINIBUS (SGB, SGG, SGJ). RECOMMENDED SEQUENCE OF STEPS:**

**1** Open the bonnet. Unscrew the brake fluid reservoir cap.

**2** Secure the wheels with chocks.



**3** Loosen the wheel mounting bolts. Use wheel impact socket #19.



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

5

Unscrew the wheel bolts.



**AUTODOC recommends:**

- Important! Hold the wheel while unscrewing the fastening bolts. VW Transporter VI Minibus (SGB, SGG, SGJ)

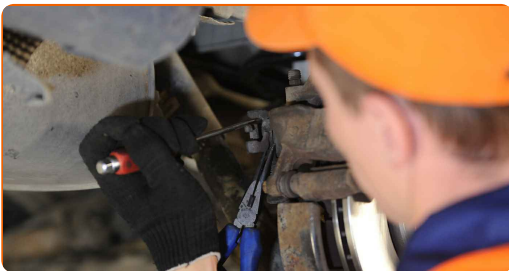
6

Remove the wheel.



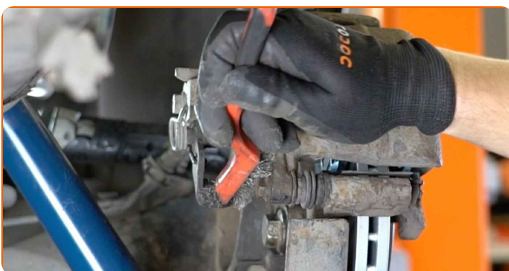
7

Release the parking brake cable. Use round-nose pliers. Use a crowbar.



8

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



9

Unscrew the brake caliper fasteners. Use a drive socket #12. Use a ratchet wrench.



10

Remove the brake caliper.

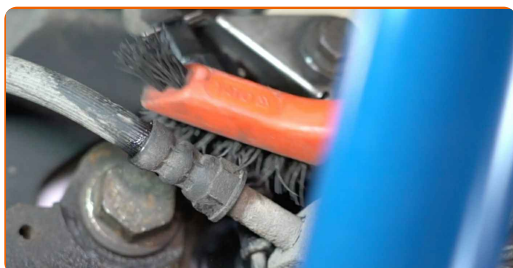


Replacement: brake caliper – VW Transporter VI Minibus (SGB, SGG, SGJ).  
AUTODOC recommends:

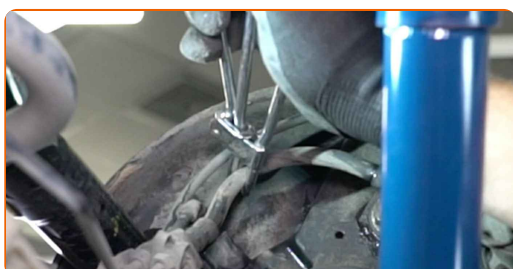
- When replacing the brake caliper, it is recommended to check the brake hose for damages and, if necessary, to replace it with a new one.
- When replacing a brake caliper it is recommended to replace brake pads, check the state of the brake discs and replace them with new ones if necessary.
- If no new guide pins were supplied in a kit with the new brake calipers, use the old pins.

**11** Detach the brake pad wear sensor wiring harness.

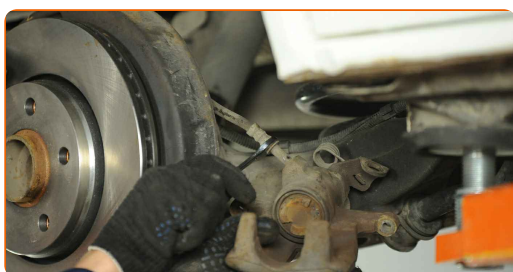
**12** Clean the area where the brake hose is connected to the caliper, and the guide pins area. Use a wire brush. Use a brake cleaner.



**13** Clamp the brake hose off using a brake hose clamp.



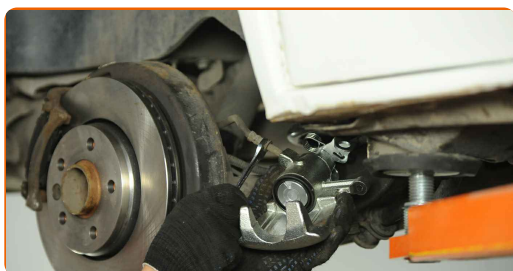
**14** Unscrew the brake hose from the brake caliper. Use a combination spanner #14.



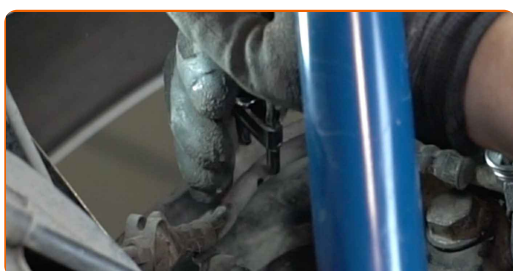
**16** Install and fix the brake hose into a new caliper.



- 17 Tighten the fastener connecting the brake pipe to the brake caliper. Use a combination spanner #14. Use a torque wrench. Tighten it to 15 Nm torque.



- 18 Remove the brake hose clamp.



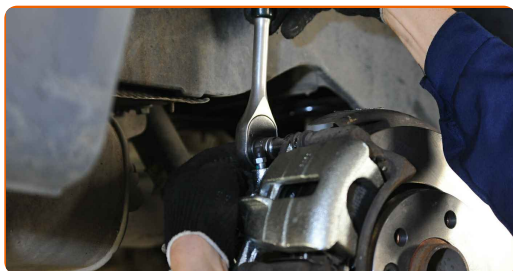
- 19 Clean the brake caliper surface.

- 20 Install the brake caliper and fix it.



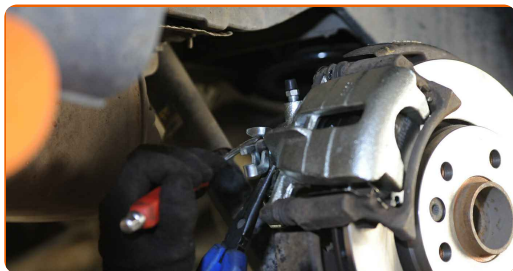
- 21 Attach the brake pad wear sensor wiring harness.

- 22 Tighten the brake caliper fasteners. Use a drive socket #12. Use a torque wrench. Tighten it to 30 Nm torque.

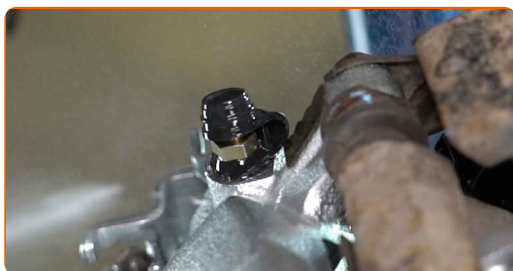




**23** Install the parking brake cable into the brake caliper bracket. Use round-nose pliers. Use a crowbar.



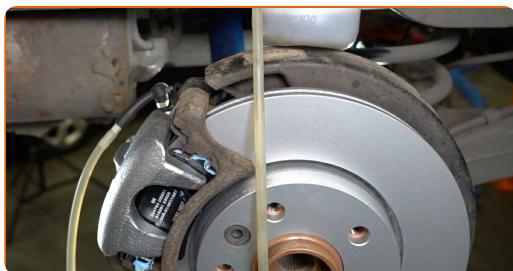
**24** Clean dirt from the brake hose bolt. Use a brake cleaner.



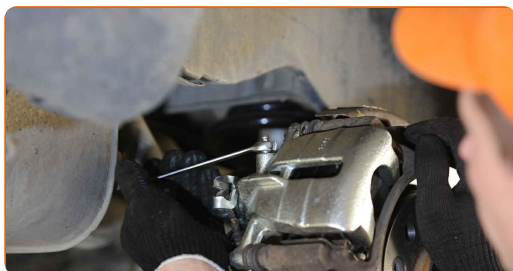
**AUTODOC recommends:**

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

**25** Connect the brake bleeder kit to the brake bleeder screw.



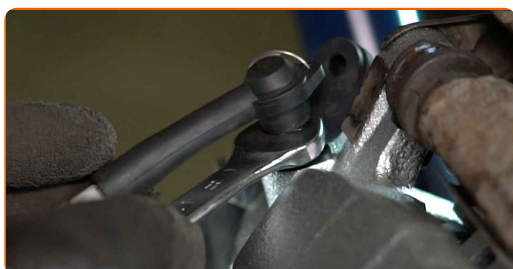
**26** Undo the brake bleeder screw. Use a flare nut spanner #11.



**27** Bleed the brake caliper system.

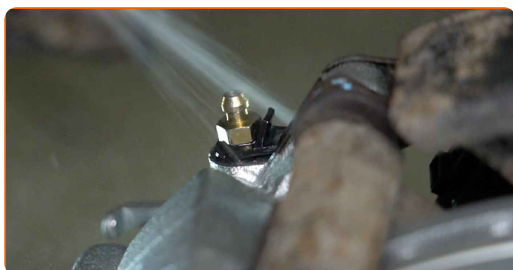


**28** Tighten the brake caliper bleed screw. Use a flare nut spanner #11. Use a torque wrench. Tighten it to 10 Nm torque.



**29** Disconnect the brake bleeder kit.

**30** Clean dirt from the brake hose bolt. Use a brake cleaner.



**31** Treat the surface where the brake disc contacts the wheel rim. Use ceramic grease.



32

Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

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

33

Install the wheel.



**AUTODOC recommends:**

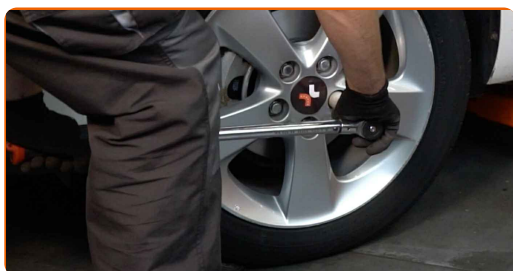
- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. VW Transporter VI Minibus (SGB, SGG, SGJ)

34

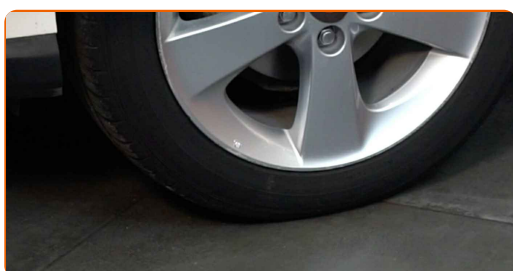
Screw in the wheel bolts. Use wheel impact socket #19.



- 35** 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.



- 36** Remove the jacks and chocks.



Replacement: brake caliper – VW Transporter VI Minibus (SGB, SGG, SGJ).  
Professionals recommend:

- Check the brake fluid level in the expansion tank and refill if necessary.

- 37** Tighten the brake fluid reservoir cap. Close the hood.

**WELL DONE!** 

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**BRAKE CALIPER: A WIDE SELECTION**

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