



How to change rear
brake caliper on **VW**
California T6 Minibus
(SGC, SGG, SHC) –
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 California T6 Minibus (SGC, SGG, SHC) 2.0 TDI, VW California T6 Minibus (SGC, SGG, SHC) 2.0 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 Multivan V (7HM, 7HN, 7HF, 7EF, 7EM, 7EN) 1.9 TDI

**REPLACEMENT: BRAKE CALIPER – VW CALIFORNIA T6
MINIBUS (SGC, SGG, SHC). 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

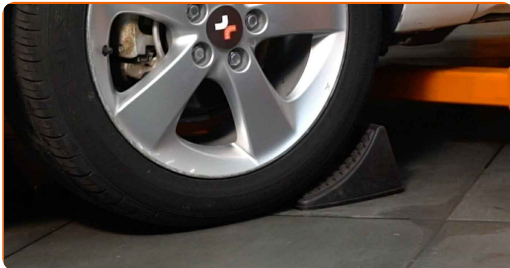
Replacement: brake caliper – VW California T6 Minibus (SGC, SGG, SHC).
AUTODOC experts recommend:

- 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.

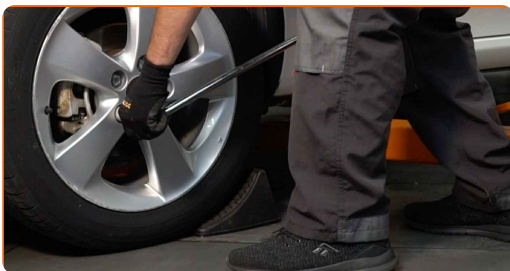
REPLACEMENT: BRAKE CALIPER – VW CALIFORNIA T6 MINIBUS (SGC, SGG, SHC). RECOMMENDED SEQUENCE OF STEPS:

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 California T6 Minibus (SGC, SGG, SHC)

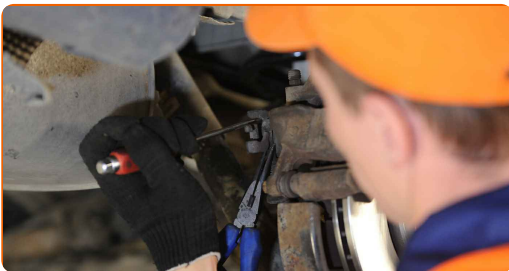
6

Remove the wheel.



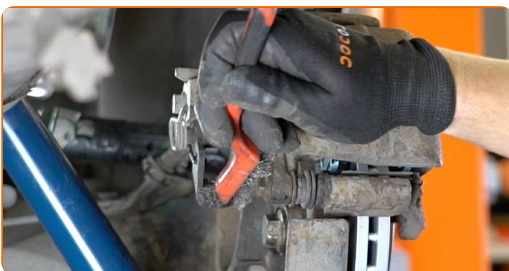
7

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.

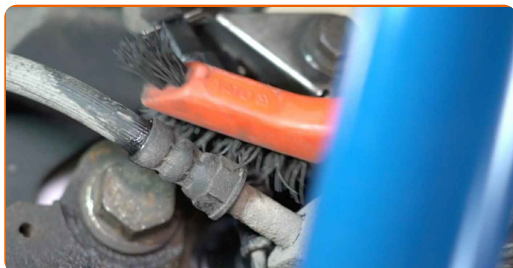


Replacement: brake caliper – VW California T6 Minibus (SGC, SGG, SHC).
AUTODOC recommends:

- 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.



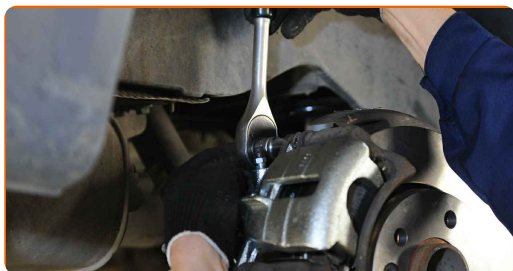
- 19 Clean the brake caliper surface.

- 20 Install the brake caliper and fix it.

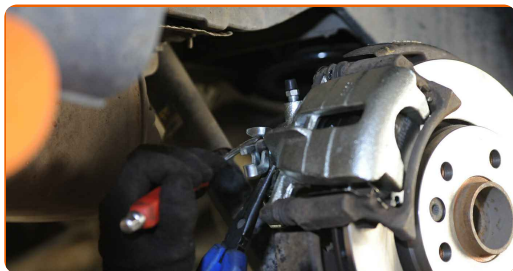


- 21 Attach the brake pad wear sensor wiring harness.

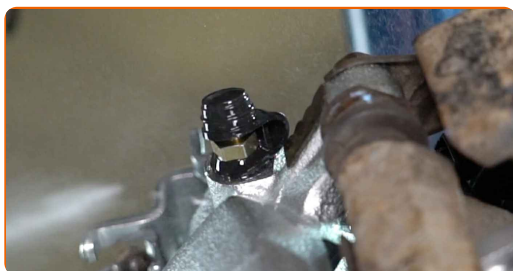
- 22 Tighten the brake caliper fasteners. Use a drive socket #12. Use a torque wrench. Tighten it to 30 Nm torque.



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.



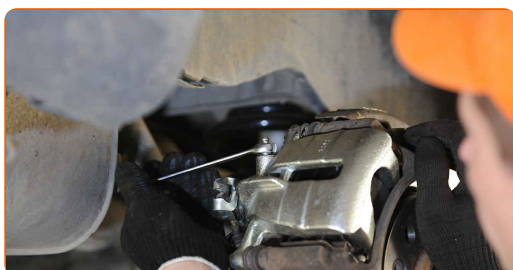
AUTODOC recommends:

- Replacement: brake caliper – VW California T6 Minibus (SGC, SGG, SHC). After applying the spray, wait a few minutes.

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



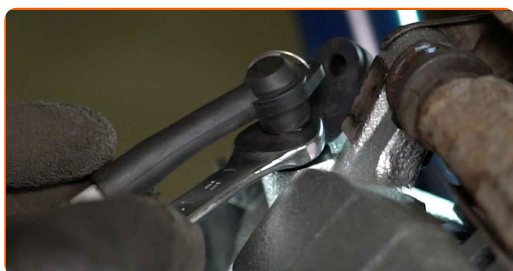
26 Undo the brake bleeder screw. Use a flare nut spanner #11.



27 Bleed the brake caliper system.

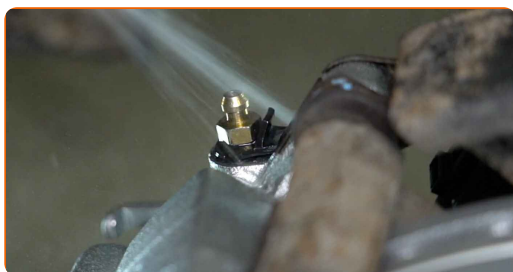


28 Tighten the brake caliper bleed screw. Use a flare nut spanner #11. Use a torque wrench. Tighten it to 10 Nm torque.



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 California T6 Minibus (SGC, SGG, SHC). 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 California T6 Minibus (SGC, SGG, SHC)

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 California T6 Minibus (SGC, SGG, SHC).
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! 

VIEW MORE TUTORIALS

AUTODOC – TOP QUALITY AND AFFORDABLE CAR PARTS ONLINE

AUTODOC MOBILE APP: GREAT DEALS AND CONVENIENT SHOPPING



+ AUTODOC

GET IT ON
Google Play

 Download on the
App Store

Download

A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR

BRAKE CALIPER: A WIDE SELECTION

DISCLAIMER:

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.

© Copyright 2023 – All the contents of this website, in particular texts, photographs and graphics, are protected by copyright. All rights, including reproduction, publication, editing and translation rights, are reserved by AUTODOC SE.