



How to change front
brake pads 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, VW California T6 Minibus (SGC, SGG, SHC) 2.0 TSI, VW California T6 Minibus (SGC, SGG, SHC) 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 Multivan V (7HM, 7HN, 7HF, 7EF, 7EM, 7EN) 1.9 TDI

**REPLACEMENT: BRAKE PADS – VW CALIFORNIA T6
MINIBUS (SGC, SGG, SHC). TOOLS YOU'LL NEED:**



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Anti-squeal paste
- Brake caliper guide pins grease
- Ceramic grease
- Torque wrench
- HEX bit No.H7
- Wheel impact socket #19
- Ratchet wrench
- Brake caliper wind back tool
- Crow bar
- Wheel chock

Buy tools

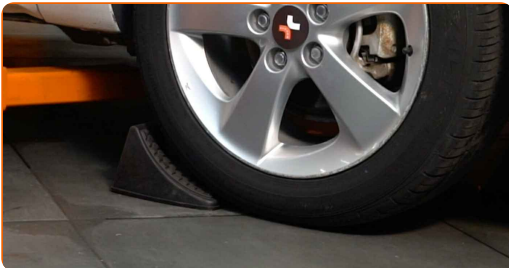
Replacement: brake pads – VW California T6 Minibus (SGC, SGG, SHC). Tip from AUTODOC experts:

- Perform the replacement of brake pads in complete set for each axis. This provides effective braking.
- The replacement procedure is identical for all brake pads on the same axle.
- Please note: all work on the car – VW California T6 Minibus (SGC, SGG, SHC) – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

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 front of the car and secure on supports.

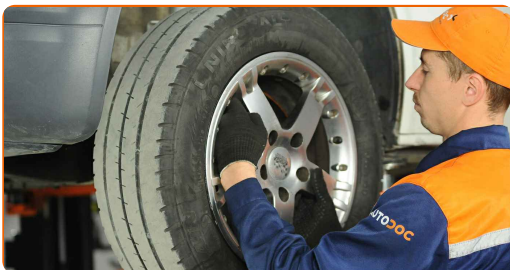
5 Unscrew the wheel bolts.



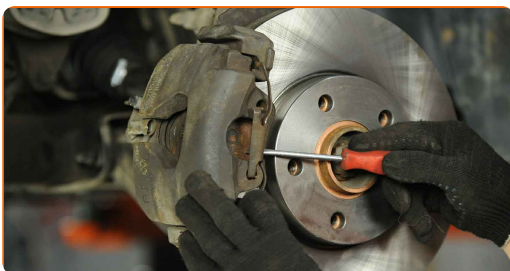
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. VW California T6 Minibus (SGC, SGG, SHC)

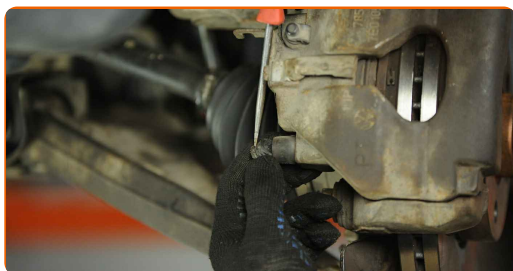
6 Remove the wheel.



7 Detach the brake caliper retaining spring. Use a crowbar.



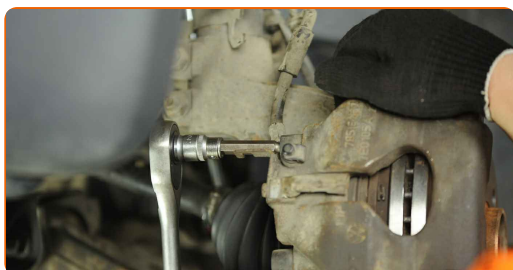
8 Remove the dust boot caps of the brake caliper guide pins. Use a crowbar.



9 Spread the brake pads. Use a crowbar.



10 Unscrew the brake caliper fasteners. Use HEX No.H7. Use a ratchet wrench.



11 Remove the brake caliper guide pins.

12 Remove the brake caliper.

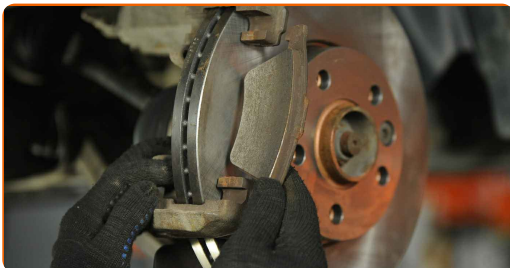


Replacement: brake pads – VW California T6 Minibus (SGC, SGG, SHC).
AUTODOC recommends:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

13

Remove the brake pads.



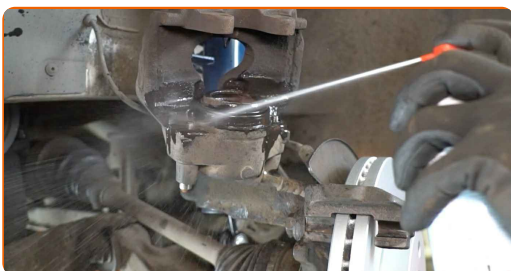
Replacement: brake pads – VW California T6 Minibus (SGC, SGG, SHC).
Professionals recommend:

- Measure the brake disc thickness. Upon reaching the wear limit the part must be replaced.

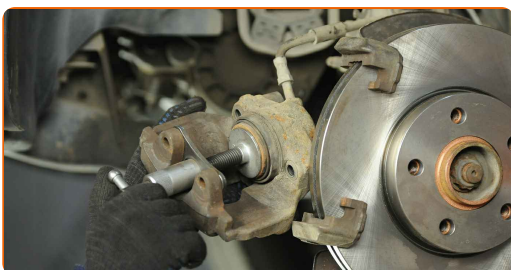
14 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



15 Treat the brake caliper piston. Use a nylon cleaning brush. Use a brake cleaner.



16 Press in the brake caliper piston. Use brake caliper wind back tool.



17 Treat the brake pads in the area where their surface comes into contact with the brake caliper bracket. Use anti-squeal paste.



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

- Make sure the disc surface is clean before installing the pads.

18

Install new brake pads.

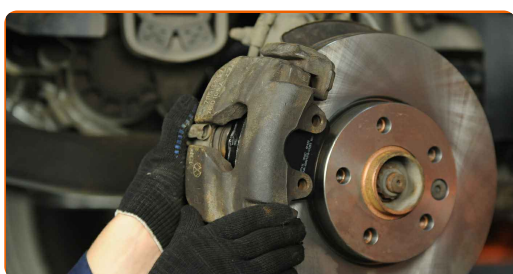


Replacement: brake pads – VW California T6 Minibus (SGC, SGG, SHC). Tip
from AUTODOC experts:

- Make sure the pads are installed with linings facing the disc.

19

Install the brake caliper and fix it.



20

Treat the brake caliper guide pins. Use the brake caliper guide pin grease.

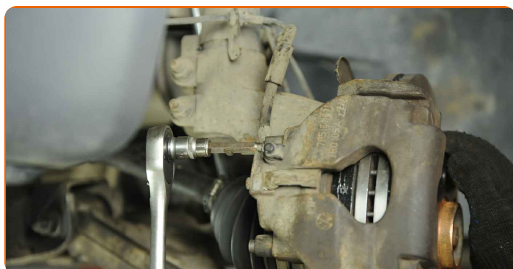


21

Install the brake caliper guide pins.

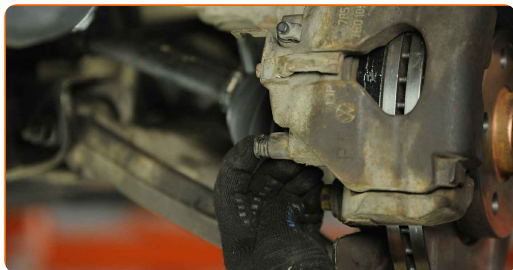
22

Tighten the brake caliper fasteners. Use HEX No.H7. Use a torque wrench. Tighten it to 30 nm torque.



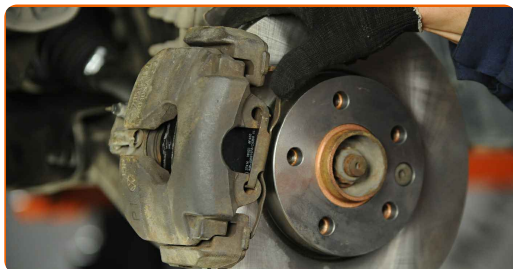
23

Install the dust boot caps of the brake caliper guide pins.



24

Install the brake caliper retaining spring.



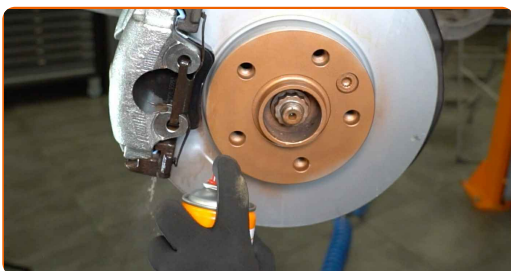
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Treat the surface where the brake disc contacts the wheel rim. Use ceramic grease.



26

Clean the brake disk surface. Use a brake cleaner.

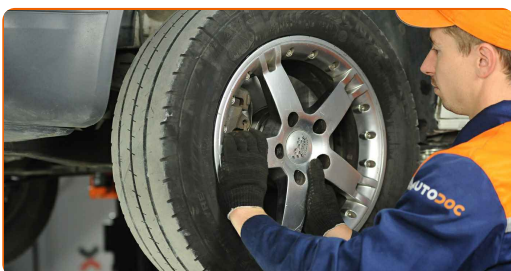


AUTODOC recommends:

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

27

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)

28

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



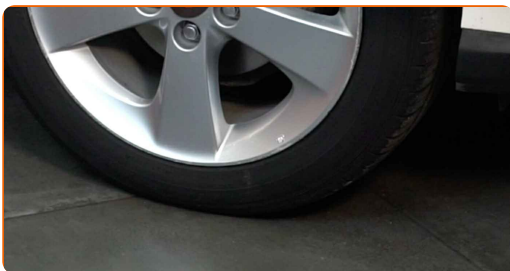
29

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.



30

Remove the jacks and chocks.



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

- Check the brake fluid level in the expansion tank and refill if necessary.
- Without starting the engine, press the brake pedal several times until you feel significant resistance.

31

Tighten the brake fluid reservoir cap. Close the hood.

WELL DONE! 

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