



How to change front
brake caliper on **VW
Multivan VI (SGF, SGM,
SGN)** – replacement
guide

SIMILAR VIDEO TUTORIAL



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

Important!

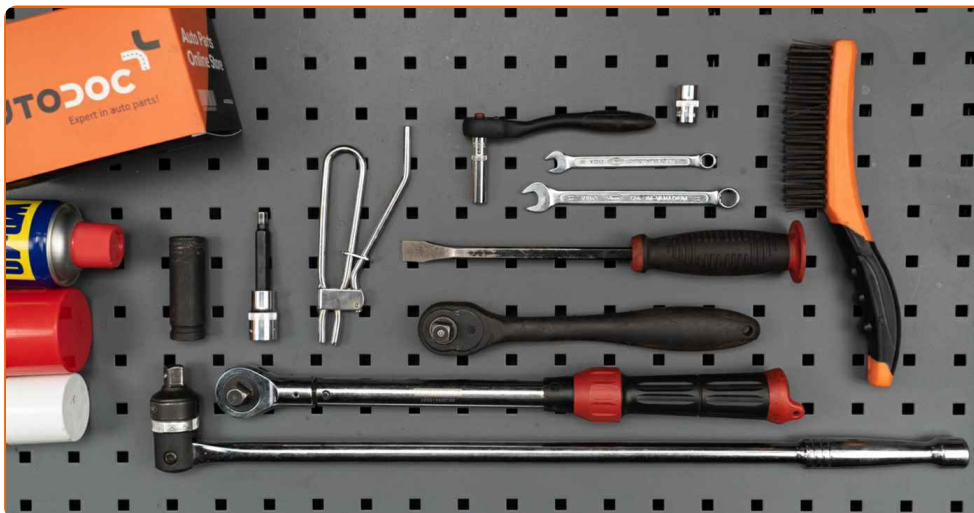
This replacement procedure can be used for:

VW Multivan VI (SGF, SGM, SGN) 2.0 TDI, VW Multivan VI (SGF, SGM, SGN) 2.0 TDI 4motion, VW Multivan VI (SGF, SGM, SGN) 2.0 TSI, VW Multivan VI (SGF, SGM, SGN) 2.0 TSI 4motion, VW Multivan VI (SGF, SGM, SGN) 2.0 TDI (Cxec), VW Multivan VI (SGF, SGM, SGN) 2.0 TDI 4motion (Cxec)

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 MULTIVAN VI
(SGF, SGM, SGN). TOOLS YOU MIGHT NEED:**



- Wire brush
- Brake cleaner
- Copper grease
- Brake caliper guide pins grease
- Ceramic grease
- Torque wrench
- Flare nut spanner №11
- Combination spanner #14
- HEX bit No.H7
- Wheel impact socket #19
- Ratchet wrench
- Crow bar
- Brake bleeder kit
- Brake hose clip
- Wheel chock

Buy tools

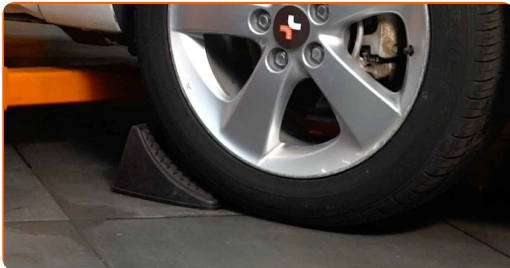
Replacement: brake caliper – VW Multivan VI (SGF, SGM, SGN). AUTODOC experts recommend:

- 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 MULTIVAN VI (SGF, SGM, SGN). RECOMMENDED SEQUENCE OF STEPS:

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

2 Secure the wheels with chocks.

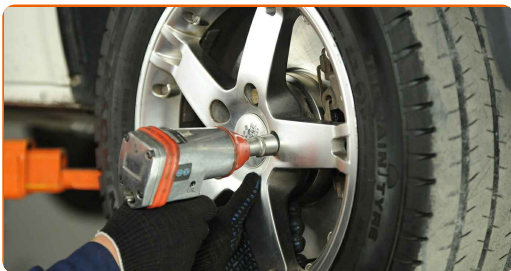


3 Loosen the wheel mounting bolts. Use wheel impact socket #19.



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

5 Unscrew the wheel bolts.



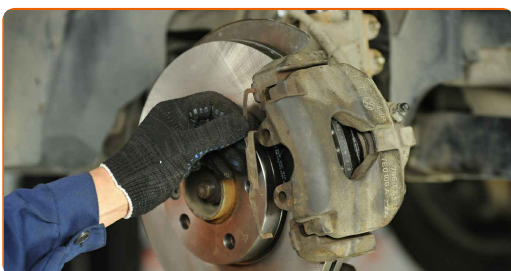
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. VW Multivan VI (SGF, SGM, SGN)

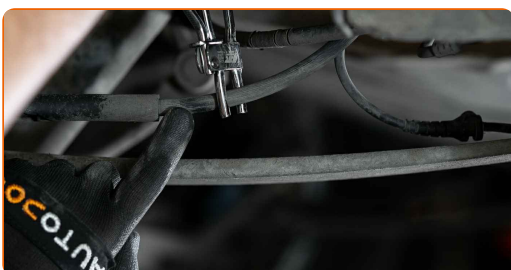
6 Remove the wheel.



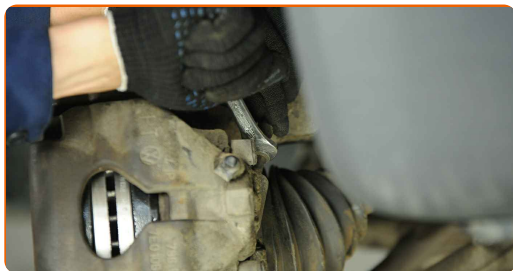
7 Detach the brake caliper retaining spring. Use a crowbar.



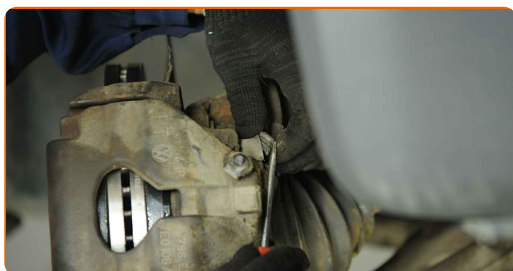
8 Clamp the brake hose off using a brake hose clamp.



9 Loosen the brake hose fastening. Use a combination spanner #14.



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



11 Spread the brake pads. Use a crowbar.



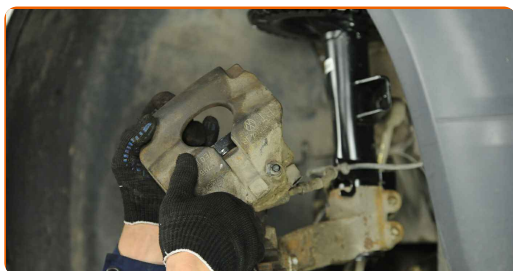
12 Unscrew the brake caliper fasteners. Use HEX No.H7. Use a ratchet wrench.



13 Remove the guide pins from the brake caliper.

14

Remove the brake caliper.

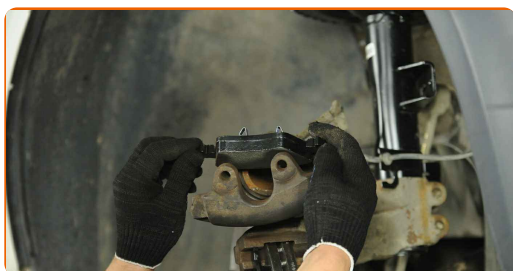


Replacement: brake caliper – VW Multivan VI (SGF, SGM, SGN). Professionals recommend:

- 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.

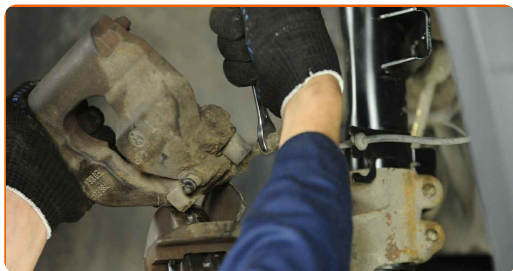
15

Remove the brake pads.



16

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

**17**

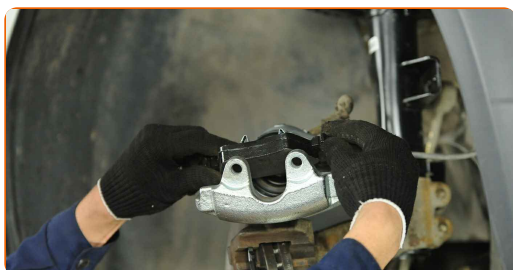
Treat the brake hose. Use a brake cleaner.

**18**

Install and fix the brake hose into a new caliper.

**19**

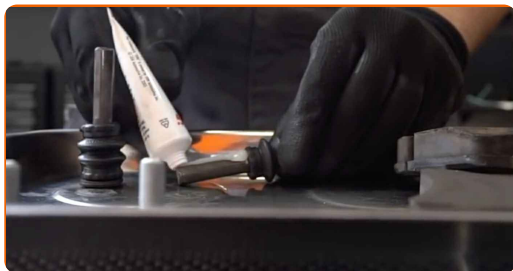
Install the brake pads.

**20**

Install the brake caliper and fix it.



21 Clean the brake caliper guide pins. Use the brake caliper guide pin grease.

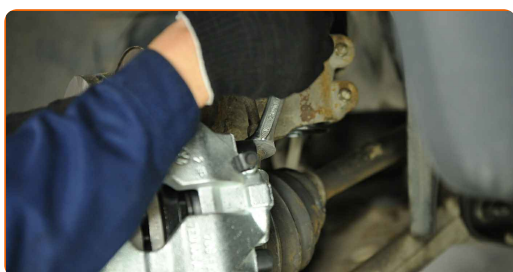


22 Screw in the guide pins.

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



24 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.



25 Remove the brake hose clamp.



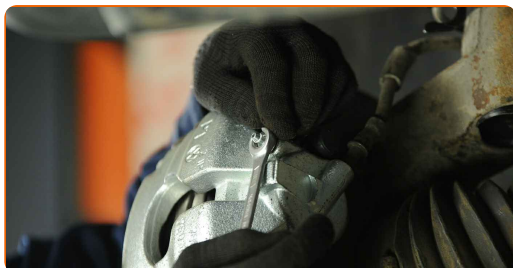
26 Install the dust boot caps of the brake caliper guide pins.



27 Install the brake caliper retaining spring. Use a crowbar.



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



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



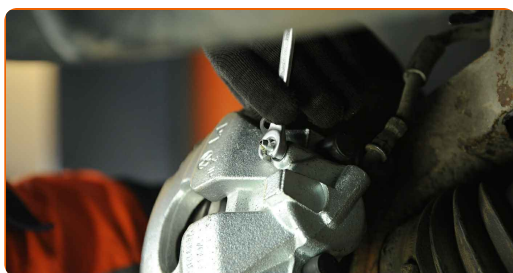
30 Bleed the brake caliper system.



Replacement: brake caliper – VW Multivan VI (SGF, SGM, SGN). AUTODOC recommends:

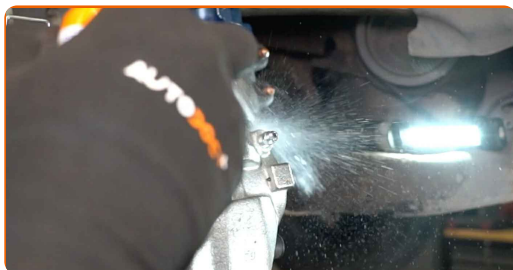
- Check the brake fluid level in the expansion tank and refill if necessary.

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



32 Disconnect the brake bleeder kit.

33 Clean dirt from the brake hose bolt. Use a brake cleaner.



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



35

Clean the brake disk surface. Use a brake cleaner.



36

Install the wheel.



AUTODOC recommends:

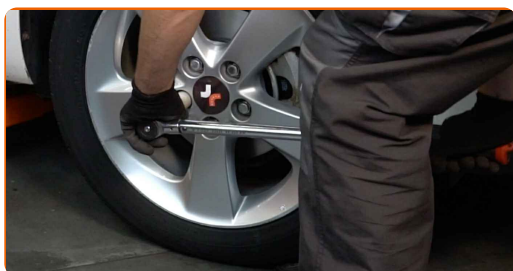
- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. VW Multivan VI (SGF, SGM, SGN)

37

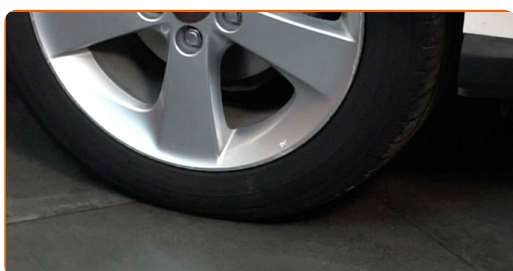
Screw in the wheel bolts. Use wheel impact socket #19.



- 38** 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.



- 39** Remove the jacks and chocks.



Replacement: brake caliper – VW Multivan VI (SGF, SGM, SGN). AUTODOC experts recommend:

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

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

WELL DONE! 

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