



How to change front
brake discs 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!

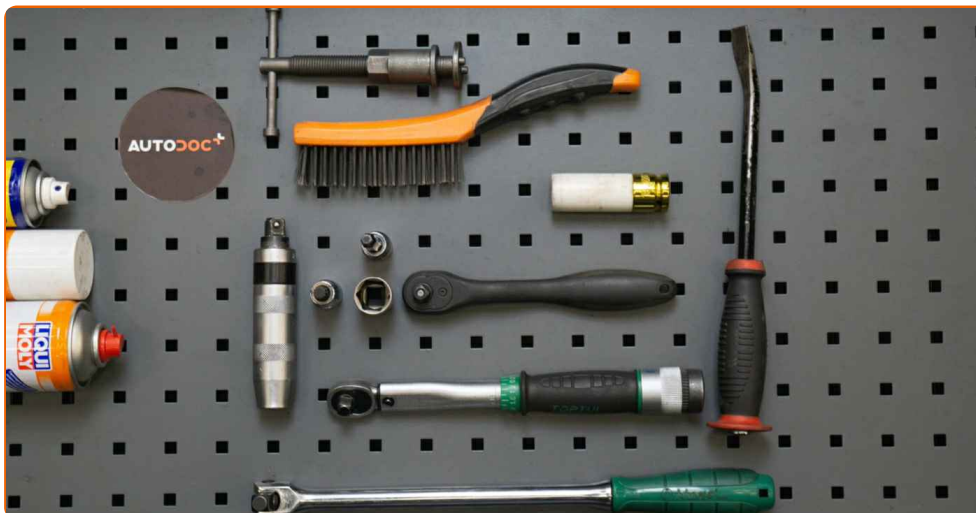
This replacement procedure can be used for:

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 DISCS – VW MULTIVAN VI (SGF, SGM, SGN). TOOLS YOU MIGHT NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Sealant
- Brake caliper guide pins grease
- Ceramic grease
- Torque wrench
- Drive socket # 21
- HEX bit No.H7
- Torx bit M10
- Wheel impact socket #19
- Ratchet wrench
- Tap wrench
- Brake caliper wind back tool
- Crow bar
- Wheel chock

Buy tools

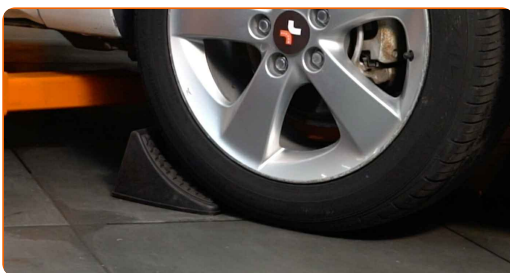
Replacement: brake discs – VW Multivan VI (SGF, SGM, SGN). AUTODOC experts recommend:

- Replace the brake disks on the car VW Multivan VI (SGF, SGM, SGN) in complete set for each axis. Regardless of the state of components. This will ensure even braking.
- The replacement procedure is identical for both brake disks on the same axle.
- When changing the brake discs, always replace the brake pads.
- Please note: all work on the car – VW Multivan VI (SGF, SGM, SGN) – should be done with the engine switched off.

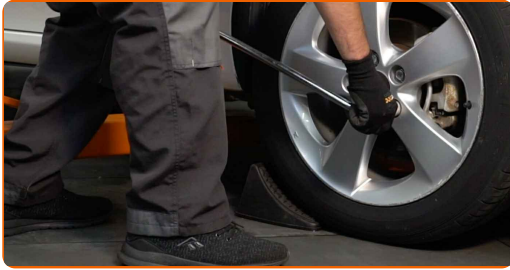
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

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.

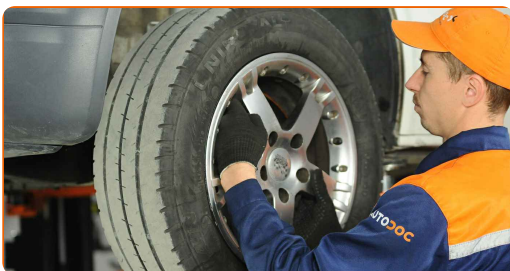
5 Unscrew the wheel bolts.



AUTODOC recommends:

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

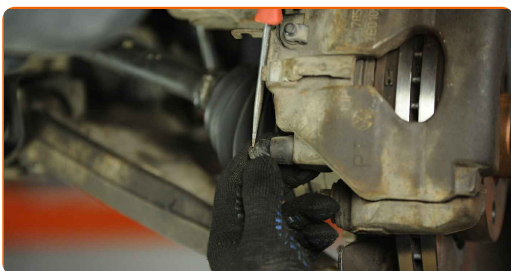
6 Remove the wheel.



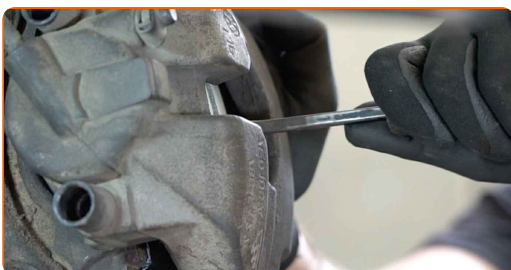
7 Detach the brake caliper retaining spring. Use a crowbar.



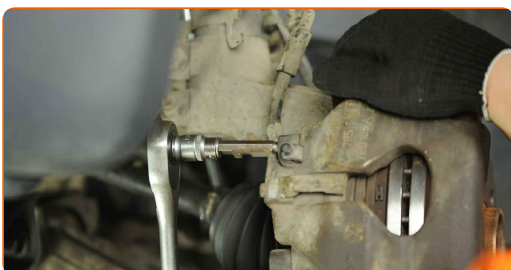
8 Remove the dust boot caps of the brake caliper guide pins. Use a crowbar.



9 Spread the brake pads. Use a crowbar.



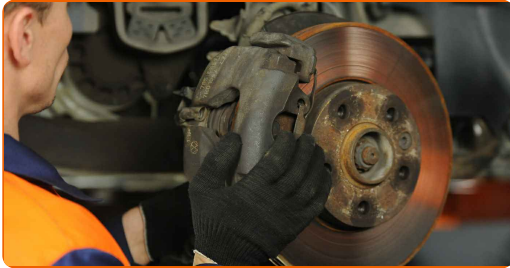
10 Unscrew the brake caliper fasteners. Use HEX No.H7. Use a ratchet wrench.



11 Remove the brake caliper guide pins.

12

Remove the brake caliper.

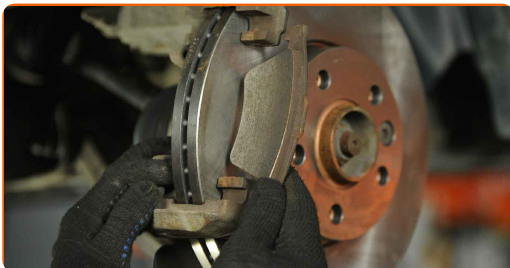


Replacement: brake discs – VW Multivan VI (SGF, SGM, SGN). Professionals recommend:

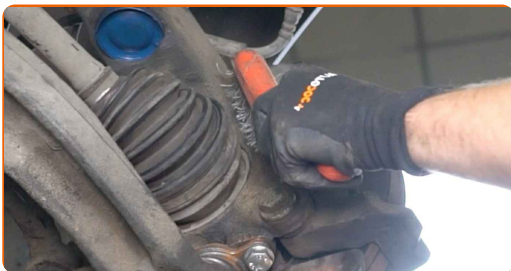
- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, 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

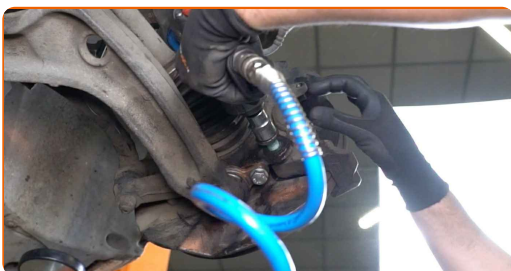
Remove the brake pads.



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

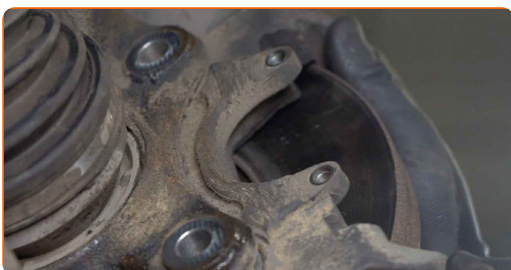


15 Unscrew the brake caliper bracket fasteners. Use a drive socket #21. Use a ratchet wrench. Use a tap wrench.

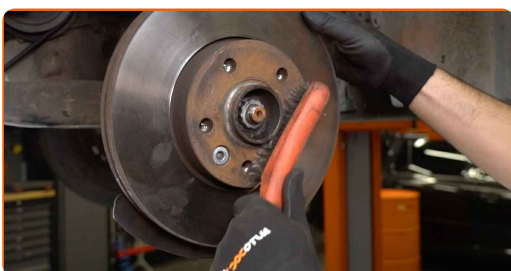


16 Remove the fastening bolts (2 pieces).

17 Remove the caliper bracket.

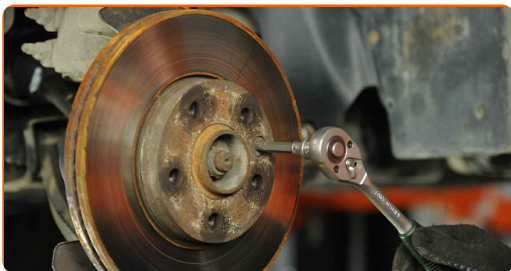


18 Clean the brake disc fastener. Use a wire brush. Use WD-40 spray.

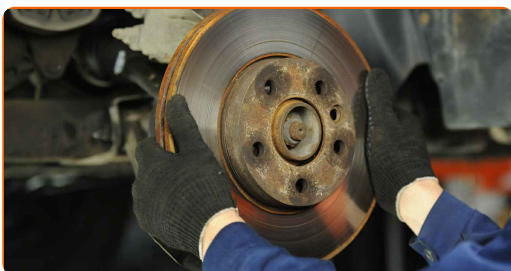


19

Unscrew the brake disc fastening. Use Torx M10. Use a ratchet wrench.

**20**

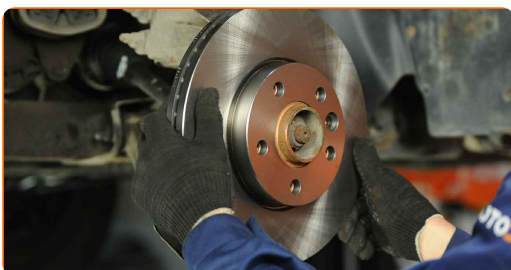
Remove the brake disc.

**21**

Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.

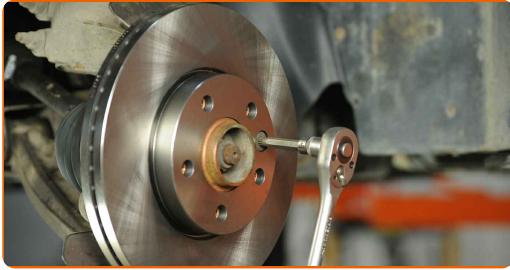
**22**

Install the brake disc.



23

Tighten the brake disc fasteners. Use Torx M10. Use a torque wrench. Tighten it to 15 Nm torque.



24

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



25

Treat the brake caliper bracket fasteners. Use a sealant.



26

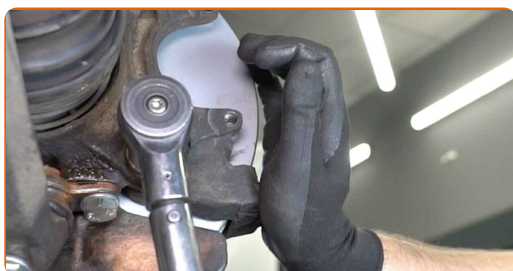
Install the brake caliper bracket.



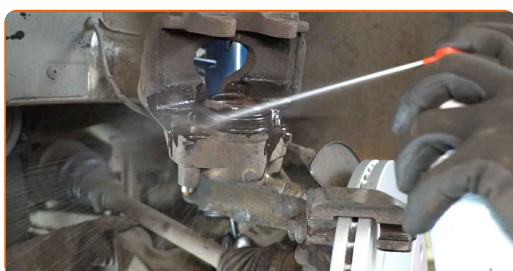
27

Install the fastening bolts (2 pieces).

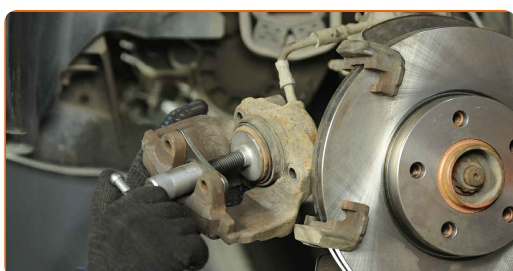
- 28 Tighten the brake caliper bracket fasteners. Use a drive socket #21. Use a torque wrench. Tighten it to 180 Nm torque.+45°



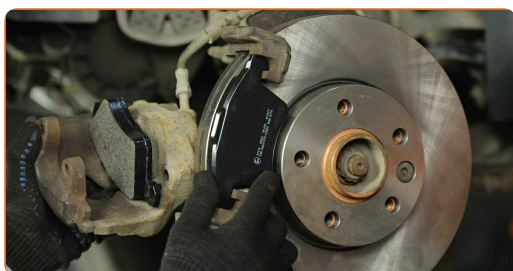
- 29 Treat the brake caliper piston. Use a nylon cleaning brush. Use a brake cleaner.



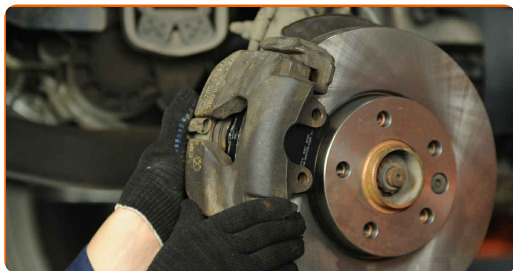
- 30 Press in the brake caliper piston. Use brake caliper wind back tool.



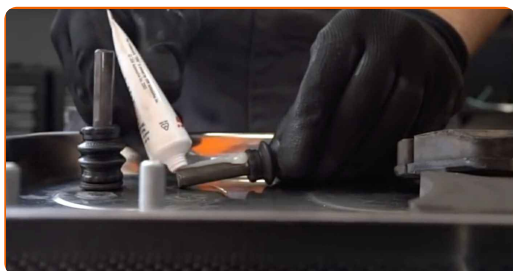
- 31 Install the brake pads.



32 Install the brake caliper and fix it.

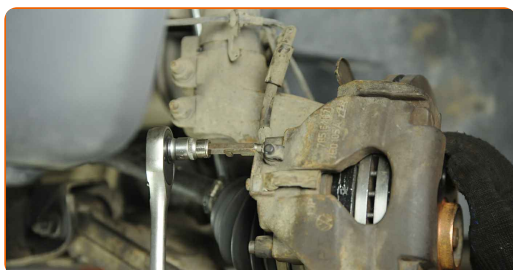


33 Treat the brake caliper guide pins. Use the brake caliper guide pin grease.

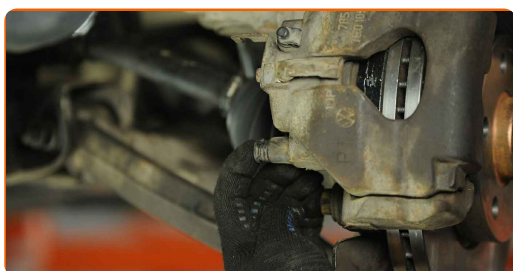


34 Install the brake caliper guide pins.

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



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



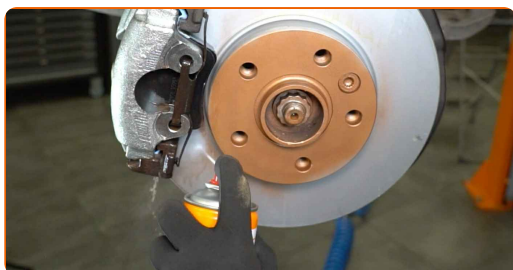
37 Install the brake caliper retaining spring.



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



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



40 Install the wheel.



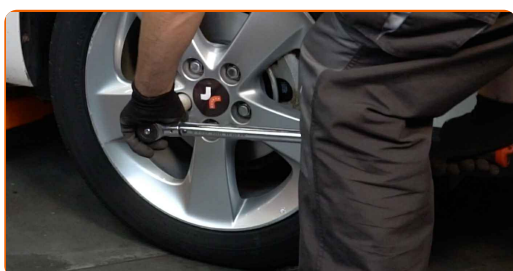
AUTODOC recommends:

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

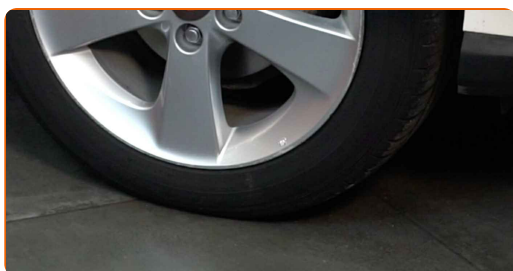
41 Screw in the wheel bolts. Use wheel impact socket #19.



42 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.



43 Remove the jacks and chocks.



Replacement: brake discs – VW Multivan VI (SGF, SGM, SGN). 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.

44

Tighten the brake fluid reservoir cap. Close the hood.

WELL DONE! 

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