



How to change front  
brake caliper on **VW Golf  
VI Convertible (517)** –  
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 Golf VI Convertible (517) 1.2 TSI, VW Golf VI Convertible (517) 1.4 TSI, VW Golf VI Convertible (517) 2.0 GTI, VW Golf VI Convertible (517) 1.6 TDI, VW Golf VI Convertible (517) 2.0 TDI, VW Golf VI Convertible (517) 1.2 TSI 16V, VW Golf VI Convertible (517) 2.0 R

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 TOURAN (1T3) 1.6 TDI

**REPLACEMENT: BRAKE CALIPER – VW GOLF VI CONVERTIBLE (517). LIST OF THE TOOLS YOU'LL NEED:**



- Torque wrench
- Wire brush
- HEX bit No.H7
- Drive socket # 11
- Ratchet wrench
- Brake cleaner
- Copper grease
- Flat screwdriver
- Fluid container
- Anti-squeal paste
- Wheel impact socket #17
- Wheel chock
- Brake hose clip
- Crow bar

**Buy tools**

Replacement: brake caliper – VW Golf VI Convertible (517). Tip from AUTODOC:

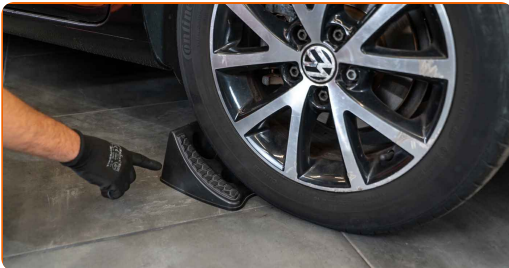
- The replacement procedure is identical for the left and right brake calipers on the same axle.
- All work should be done with the engine stopped.

**REPLACEMENT: BRAKE CALIPER – VW GOLF VI CONVERTIBLE (517).  
RECOMMENDED SEQUENCE OF STEPS:**

**1** Open the bonnet.

**2** Unscrew the brake fluid reservoir cap.

**3** Secure the wheels with chocks.



**4** Loosen the wheel mounting bolts. Use wheel impact socket #17.



**5** Raise the front of the car and secure on supports.

**6** Unscrew the wheel bolts.



Replacement: brake caliper – VW Golf VI Convertible (517). AUTODOC recommends:

- To avoid injury, hold up the wheel when unscrewing the bolts.

**7** Remove the wheel.



**8** Disconnect the ABS sensor electric socket. Disconnect the brake pad wear sensor plug. Remove the ABS sensor connector. Remove the connector of the brake pad wear sensor.

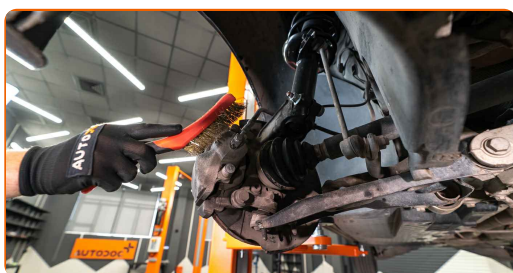
Please note!

- Some cars are not equipped with the brake pad wear sensor.

**9** Put a container for gathering brake fluid beneath.



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



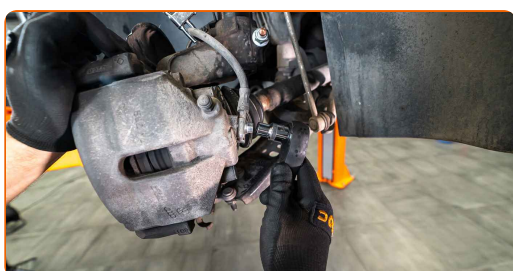
**AUTODOC recommends:**

- After applying the spray, wait a few minutes.

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



**11.2** Unscrew the brake hose from the brake caliper. Use a drive socket #11. Use a ratchet wrench. Move the brake hose aside. Tie the brake hose to the car body with a hook or a piece of wire.

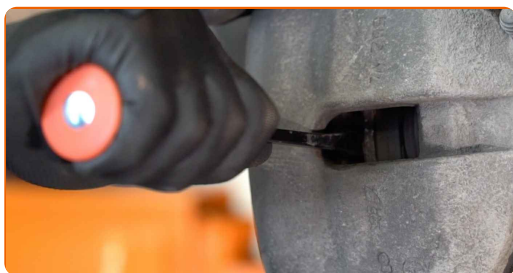




12 Remove the dust boot caps of the brake caliper guide pins.



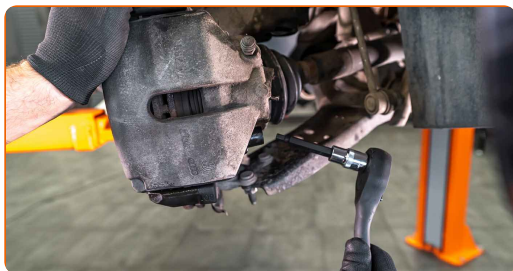
13 Spread the brake pads. Use a crowbar.



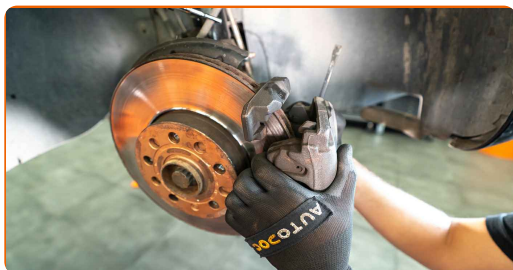
14 Using a simple screwdriver, remove the brake caliper spring clip.



15 Unscrew the brake caliper fastening. Use HEX No.H7.



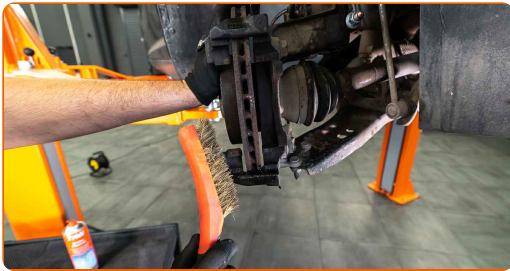
16 Remove the brake caliper.



Replacement: brake caliper – VW Golf VI Convertible (517). 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.
- If going to use the old brake pads, clean them.
- 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.

- 17** Clean the brake caliper bracket from dirt and dust. Use a wire brush. Treat the brake caliper bracket. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: brake caliper – VW Golf VI Convertible (517). After applying the spray, wait a few minutes.



**18**

Remove the guide pins from the brake caliper.

**19**

Clean old grease and rust stains, if there are any, from the caliper guide pins and guide pin boots. Use a brake cleaner.

**Replacement: brake caliper – VW Golf VI Convertible (517). Tip:**

- After applying the spray, wait a few minutes.

**20**

Lubricate guide pins with special brake grease.

**Replacement: brake caliper – VW Golf VI Convertible (517). AUTODOC experts recommend:**

- If no new guide pins were supplied in a kit with the new brake calipers, use the old pins.

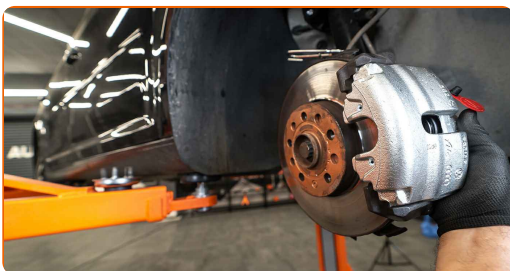
**21**

Treat the contact surfaces between the brake pads and the brake caliper bracket. Use anti-squeal paste.



**22**

Install the brake caliper together with the pads.



Please note!

- Install the brake caliper starting with its lower part.

23

Screw in the guide pins.

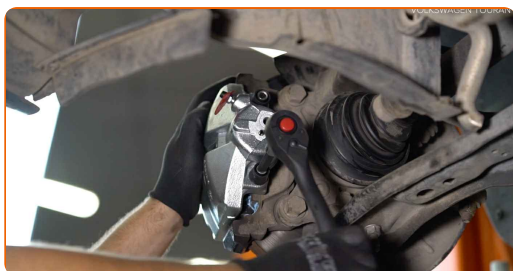


Replacement: brake caliper – VW Golf VI Convertible (517). Tip from AUTODOC:

- Hold up the brake caliper.

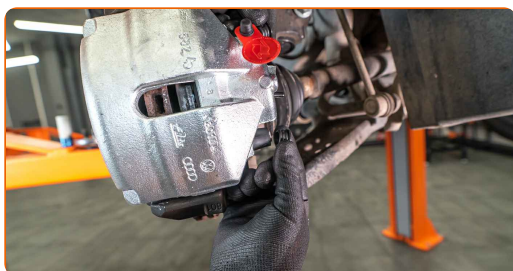
24

Tighten the guide pins. Use HEX No.H7. Use a torque wrench. Tighten it to 30 Nm torque.



25

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



**26** Install the brake caliper spring.



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



**AUTODOC recommends:**

- Replacement: brake caliper – VW Golf VI Convertible (517). After applying the spray, wait a few minutes.

**28** Install and fix the brake hose into a new caliper. Use a drive socket #11. Use a torque wrench. Tighten it to 35 Nm torque.



**29** Remove the brake hose clamp.

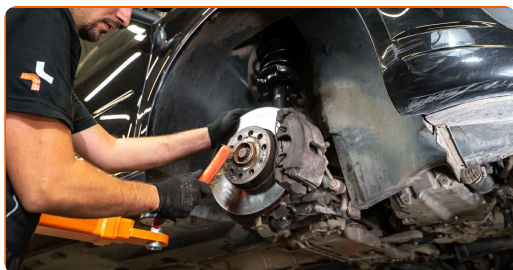


**30** Connect the ABS sensor electric socket. Connect the brake pad wear sensor plug.

Replacement: brake caliper – VW Golf VI Convertible (517). AUTODOC recommends:

- Bleed the brake caliper system.

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



**32** Install the wheel.



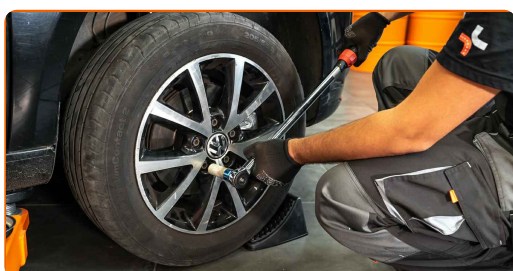
AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. VW Golf VI Convertible (517)

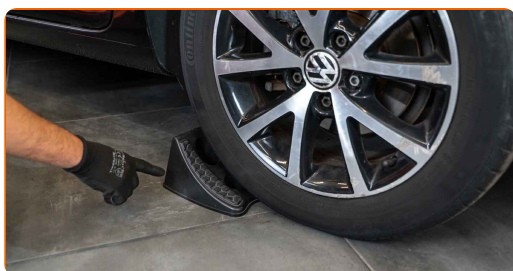
**33** Screw in the wheel bolts. Use wheel impact socket #17.



**34** Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 Nm torque.



**35** Remove the jacks and chocks.



**AUTODOC recommends:**

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

**36** Tighten the brake fluid reservoir cap. Close the hood.

**WELL DONE!** 

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