



How to change front  
brake caliper on **VW**  
**PASSAT (3B3)** –  
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 PASSAT (3B3) 1.6, VW PASSAT (3B3) 1.9 TDI, VW PASSAT (3B3) 2.3 V5, VW PASSAT (3B3) 2.0, VW PASSAT (3B3) 2.5 TDI, VW PASSAT (3B3) 1.8 T 20V, VW PASSAT (3B3) 2.8 4motion, VW PASSAT (3B3) 2.5 TDI 4motion, VW PASSAT (3B3) 1.9 TDI 4motion, VW PASSAT (3B3) 2.0 4motion, VW PASSAT (3B3) 2.3 V5 4motion, VW PASSAT (3B3) 1.8 T, VW PASSAT (3B3) 2.0 TDI, VW PASSAT (3B3) 2.8, VW PASSAT (3B3) 1.8 T 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 PASSAT Variant (3B6) 1.9 TDI

REPLACEMENT: BRAKE CALIPER – VW PASSAT (3B3).  
TOOLS YOU NEED:



- Wire brush
- Brake cleaner
- Copper grease
- Combination spanner #10
- Combination spanner #11
- Drive socket # 10
- Drive socket # 11
- HEX bit no.H7.
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Fluid container
- Brake hose clip
- Brake bleeder kit
- Crow bar
- Wheel chock

**Buy tools**

Replacement: brake caliper – VW PASSAT (3B3). AUTODOC recommends:

- 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 PASSAT (3B3). TAKE THE FOLLOWING 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 #17.



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

5

Unscrew the wheel bolts.

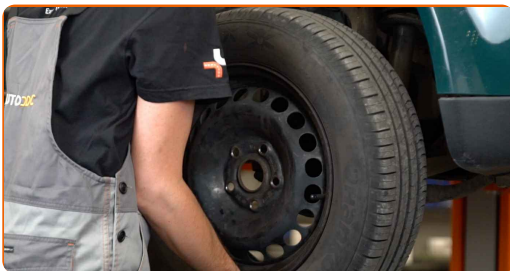


Replacement: brake caliper – VW PASSAT (3B3). Tip:

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

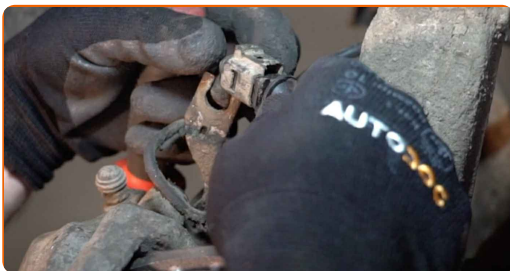
6

Remove the wheel.



7

Disconnect the ABS sensor electric socket. Disconnect the brake pad wear sensor plug. Use a crowbar.



Please note!

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

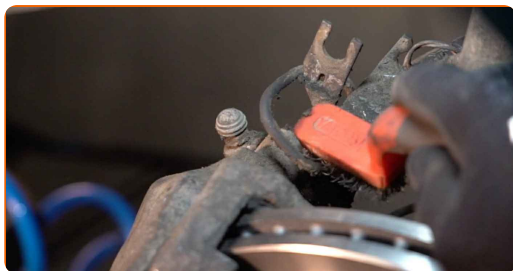
**8** Clamp the brake hose off using a brake hose clamp.



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



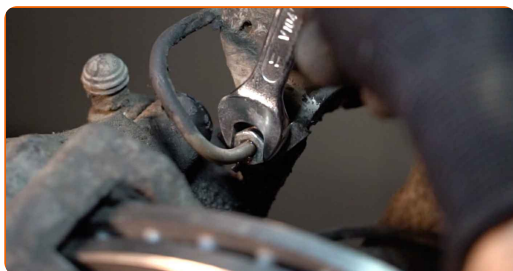
**10** Clean the brake pipe fastener. Use a wire brush. Use a brake cleaner.



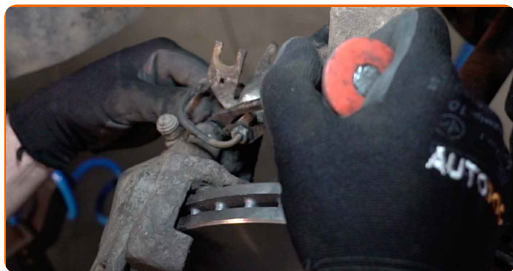
**AUTODOC recommends:**

- Replacement: brake caliper – VW PASSAT (3B3). After applying the spray, wait a few minutes.

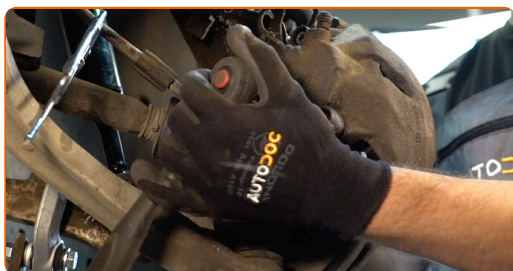
**11** Unscrew the fastener connecting the brake pipe to the brake hose. Use a combination spanner #11.



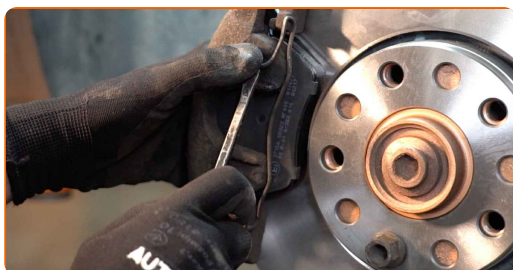
**12** Remove the dust boot caps of the brake caliper guide pins. Use a crowbar.



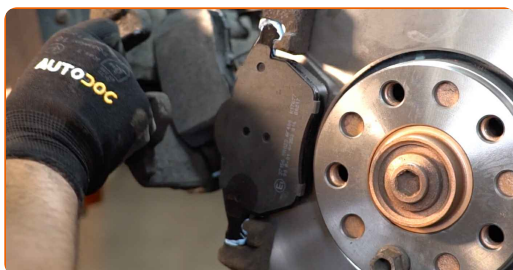
**13** Unscrew the brake caliper fastening. Use HEX No.H7. Use a ratchet wrench.



**14** Detach the brake caliper retaining spring. Use a crowbar.



**15** Remove the brake caliper.





**Replacement: brake caliper – VW PASSAT (3B3). Professionals recommend:**

- 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.
- 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.

**16**

Remove the brake pads.

**17**

Clean the brake caliper surface. Use a wire brush. Use a brake cleaner.

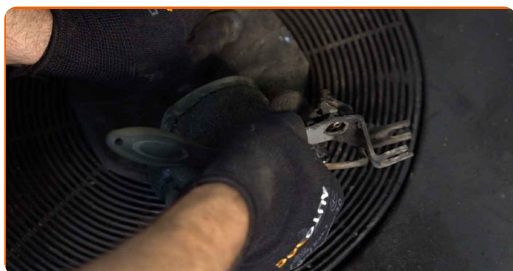




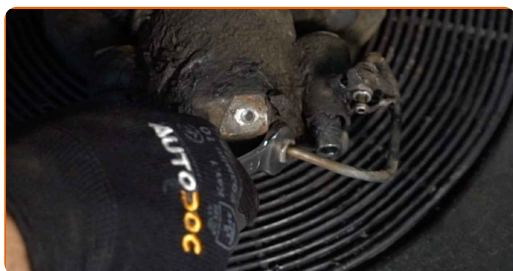
**AUTODOC recommends:**

- After applying the spray, wait a few minutes.

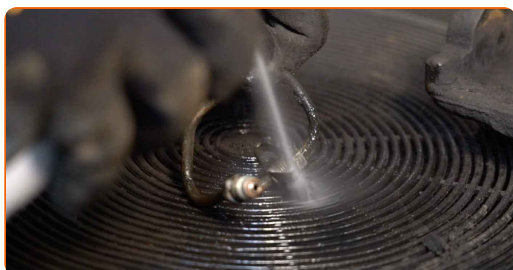
**18** Unscrew the brake hose fastening bracket from the brake caliper. Use a drive socket #11. Use a ratchet wrench.



**19** Unscrew the fastener connecting the brake pipe to the brake caliper. Use a combination spanner #11.



**20** Treat the brake pipe. Use a brake cleaner.

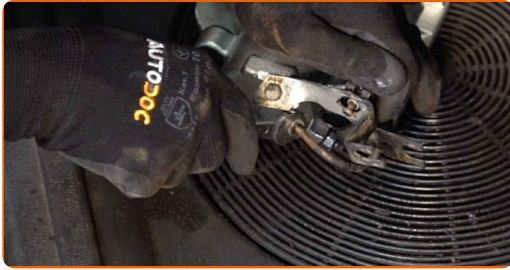


**Replacement: brake caliper – VW PASSAT (3B3). Tip:**

- After applying the spray, wait a few minutes.

21

Screw in the fastener connecting the brake pipe to the brake caliper. Use a combination spanner #11.



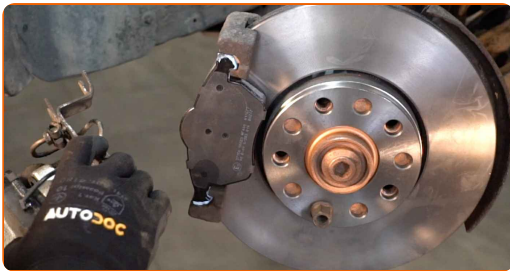
22

Secure the brake hose fastening bracket. Use a drive socket #11. Use a ratchet wrench.



23

Install the brake pads.

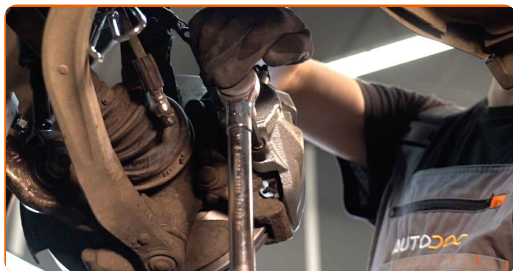


Replacement: brake caliper – VW PASSAT (3B3). Tip from AUTODOC experts:

- If going to use the old brake pads, clean them.

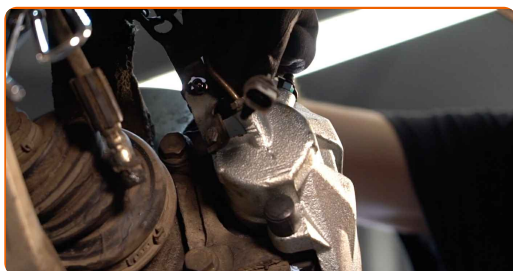
24

Install the brake caliper and fix it. Use HEX No.H7. Use a torque wrench. Tighten it to 25 Nm torque.



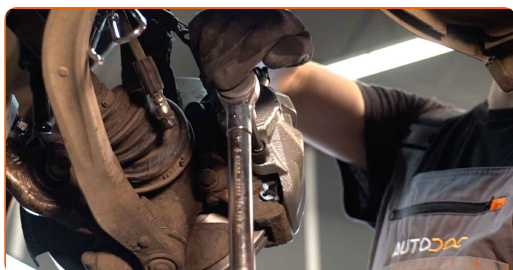
25

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



26

Treat the brake hose. Use a brake cleaner.

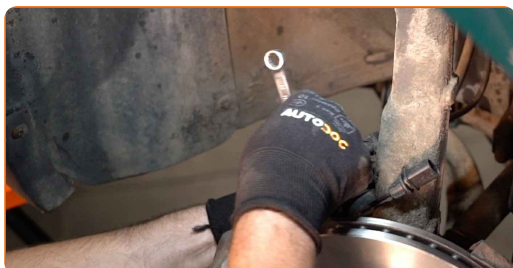


**AUTODOC recommends:**

- Replacement: brake caliper – VW PASSAT (3B3). After applying the spray, wait a few minutes.

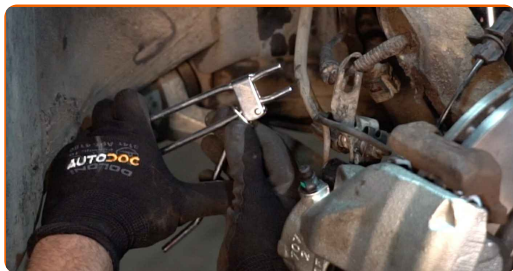
27

Screw in the fastener connecting the brake pipe to the brake hose. Use a combination spanner #11.

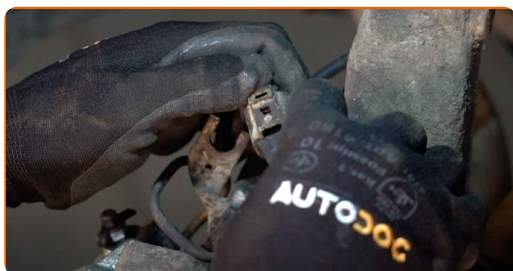


**28**

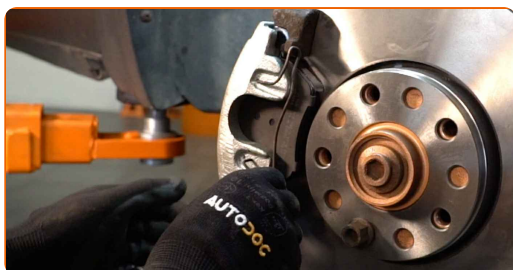
Remove the brake hose clamp.

**29**

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

**30**

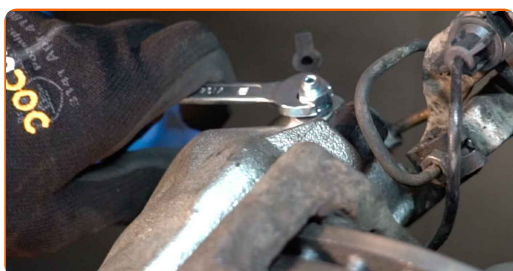
Install the brake caliper retaining spring.

**31**

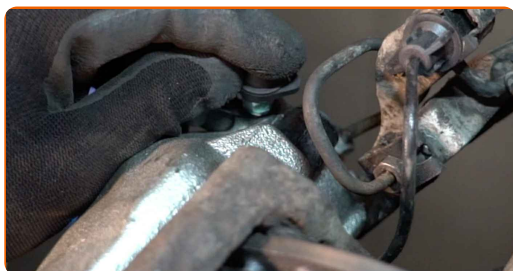
Secure the brake bleeder kit.

**32**

Undo the brake bleeder screw. Use a combination spanner #10.



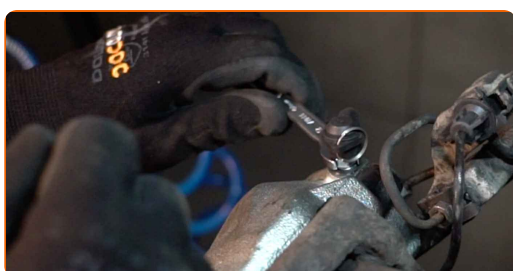
**33** Connect the brake bleeder kit to the brake bleeder screw.



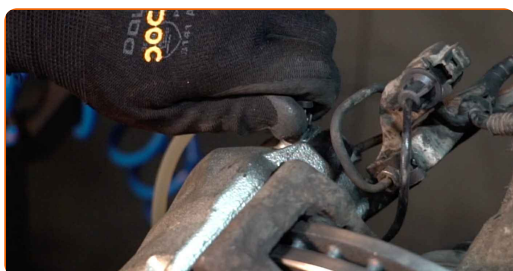
**34** Bleed the brake caliper system. Without starting the engine, press the brake pedal several times until you feel significant resistance.



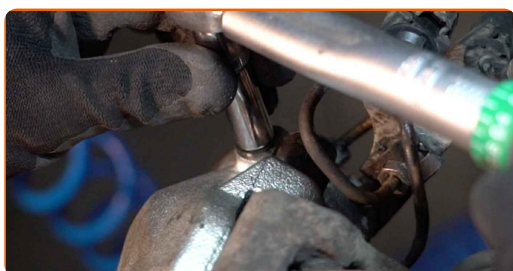
**35** Tighten the brake bleeder screw. Use a combination spanner #10.



**36** Disconnect the brake bleeder kit.



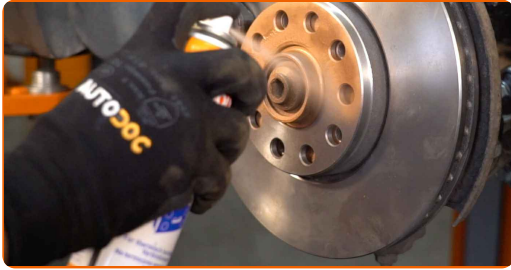
**37** Tighten the brake caliper bleed screw. Use a drive socket #10. Use a torque wrench. Tighten it to 9 Nm torque.





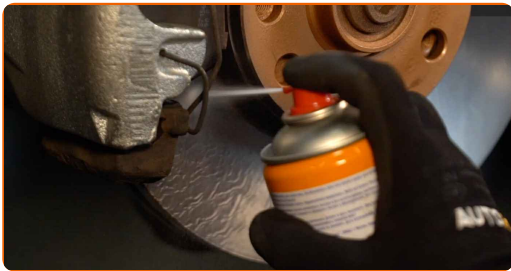
**38**

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



**39**

Clean the brake disk surface. Use a brake cleaner.

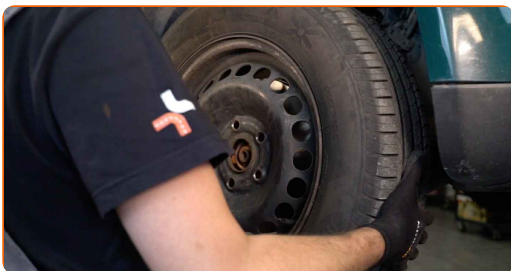


Replacement: brake caliper – VW PASSAT (3B3). AUTODOC experts recommend:

- After applying the spray, wait a few minutes.

**40**

Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. VW PASSAT (3B3)

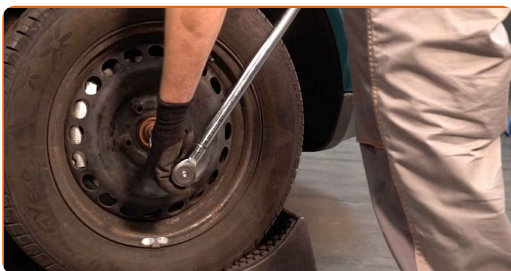
**41**

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



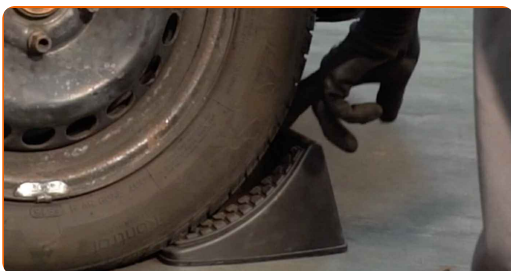
**42**

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



**43**

Remove the jacks and chocks.



**AUTODOC recommends:**

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

**44**

Tighten the brake fluid reservoir cap. Close the hood.

**WELL DONE!** 

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