



How to change front  
brake discs on **VW GOLF  
PLUS (5M1, 521)** –  
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 PLUS (5M1, 521) 1.4 TSI

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 Saloon (362) 2.0 TDI

REPLACEMENT: BRAKE DISCS – VW GOLF PLUS (5M1, 521). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Drive socket # 21
- HEX bit No.H7
- Torx bit T27
- Torx bit T30
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Rubber mallet
- Impact screwdriver
- Brake caliper wind back tool
- Crow bar
- Wheel chock

**Buy tools**

**AUTODOC recommends:**

- Replace the brake disks on the car VW GOLF PLUS (5M1, 521) 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 GOLF PLUS (5M1, 521) – should be done with the engine switched off.

**CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:**

**1** Open the hood.

**2** Clean the brake fluid reservoir cap. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: brake discs – VW GOLF PLUS (5M1, 521). After applying the spray, wait a few minutes.

3

Unscrew the engine solenoid valve bracket. Use Torx T27. Use a ratchet wrench.



4

Unscrew the brake fluid reservoir cap.



5

Secure the wheels with chocks.

6

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



7

Raise the front of the car and secure on supports.

8

Unscrew the wheel bolts.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. VW GOLF PLUS (5M1, 521)

9

Remove the wheel.



10

Spread the brake pads. Use a crowbar.



11

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



12

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



**13**

Detach the brake caliper retaining spring. Use a crowbar.



**14**

Remove the brake caliper.



**Replacement: brake discs – VW GOLF PLUS (5M1, 521). Tip:**

- 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.

**15** Remove the brake pads.



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



**17** Unscrew the caliper bracket fastening. Use a drive socket #21. Use a ratchet wrench. Use a tap wrench.



**18** Remove the caliper bracket.





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



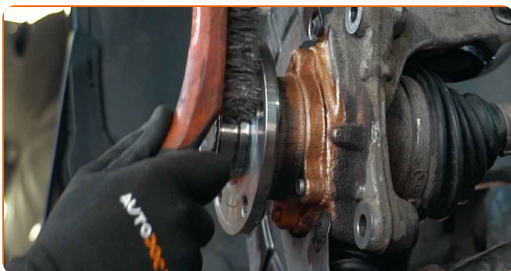
**20** Unscrew the brake disc fastening. Use Torx T30. Use an impact screwdriver.



**21** Remove the brake disc. Use a rubber mallet.



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



**23** Install the brake disc.



**24** Tighten the brake disc fastening. Use Torx T30. Use a torque wrench. Tighten it to 4 Nm torque.



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



**AUTODOC recommends:**

- Replacement: brake discs – VW GOLF PLUS (5M1, 521). After applying the spray, wait a few minutes.

**26** Install the brake caliper bracket.



**27** Tighten the brake caliper bracket. Use a drive socket #21. Use a torque wrench. Tighten it to 175 Nm torque.



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



Replacement: brake discs – VW GOLF PLUS (5M1, 521). Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

**29** Press in the brake caliper piston. Use brake caliper wind back tool.



**30** Install the brake pads.



**31** Install the brake caliper and fix it. Use HEX No.H7. Use a torque wrench. Tighten it to 30 Nm torque.



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



**33** Install the brake caliper retaining spring. Use a crowbar.



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



35

Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: brake discs – VW GOLF PLUS (5M1, 521). After applying the spray, wait a few minutes.

36

Install the wheel.



**AUTODOC recommends:**

- Important! Hold the wheel while screwing in the fastening bolts. VW GOLF PLUS (5M1, 521)

37

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





- 38** Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.



- 39** Remove the jacks and chocks.



Replacement: brake discs – VW GOLF PLUS (5M1, 521). AUTODOC recommends:

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

- 40** Tighten the brake fluid reservoir cap.

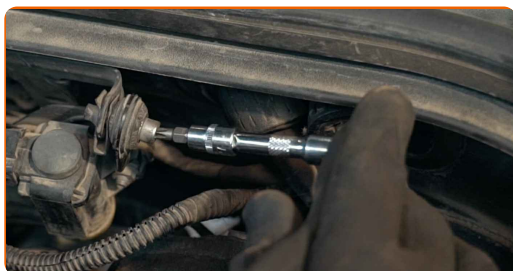


AUTODOC recommends:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.

41

Install the engine solenoid valve bracket. Use Torx T27. Use a ratchet wrench.



42

Close the hood.

**WELL DONE!** 

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