



How to change front  
brake discs on **FIAT**  
**BARCETTA (183)** –  
replacement guide

## SIMILAR VIDEO TUTORIAL



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

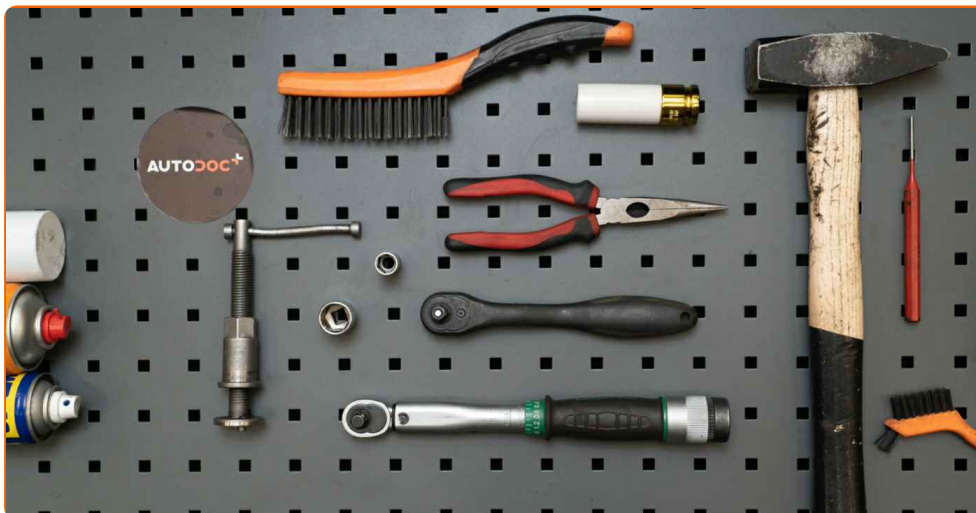
### Important!

This replacement procedure can be used for:  
FIAT BARCHETTA (183) 1.8 16V

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: FIAT PANDA (169) 1.2

REPLACEMENT: BRAKE DISCS – FIAT BARCHETTA  
(183). TOOLS YOU MIGHT NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- All-purpose cleaning spray
- Brake cleaner
- Copper grease
- Torque wrench
- Drive socket # 12
- Drive socket # 18
- Wheel impact socket #17
- Brake caliper wind back tool
- Ratchet wrench
- Crow bar
- Pin punch
- Rubber mallet
- Hammer
- Round-nose pliers
- Wheel chock

**Buy tools**

**Replacement: brake discs – FIAT BARCHETTA (183). AUTODOC recommends:**

- Replace the brake discs on the car FIAT BARCHETTA (183) 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 – FIAT BARCHETTA (183) – 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 #17.



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

**5** Unscrew the wheel bolts.



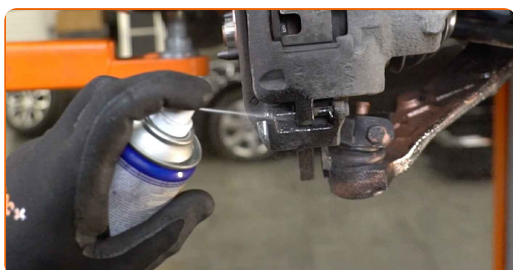
**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.  
FIAT BARCHETTA (183)

**6** Remove the wheel.



**7** Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray. Use all-purpose cleaning spray.



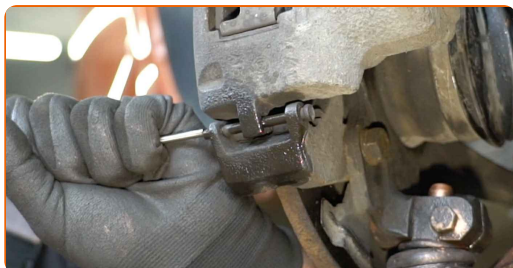
8 Spread the brake pads. Use a crowbar.



9 Remove the lock pin retainer clip. Use round-nose pliers.



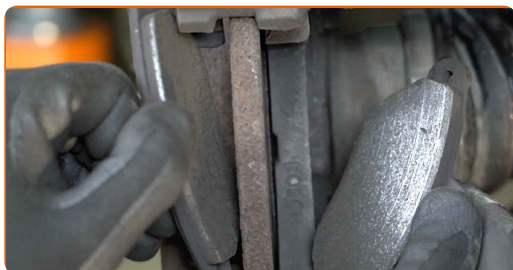
10 Remove the brake caliper cotter pin. Use a pin punch. Use a hammer.



11 Lift the caliper up.

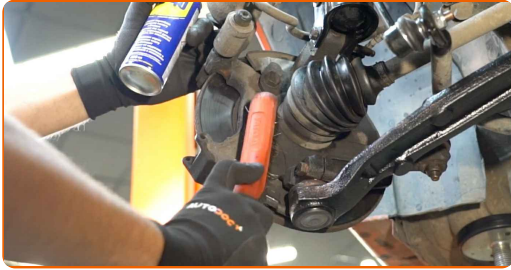


12 Remove the brake pads.



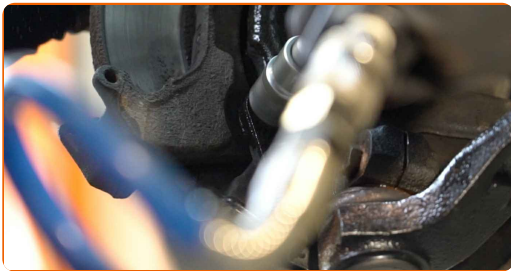
**13**

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



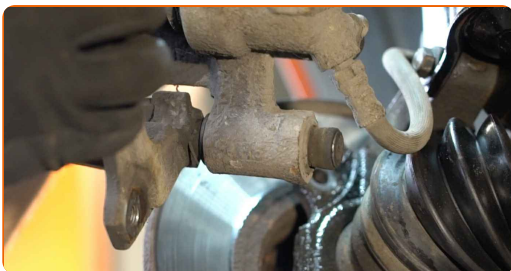
**14**

Unscrew the caliper bracket fastening. Use a drive socket #18. Use a ratchet wrench.



**15**

Remove the brake caliper together with its bracket.





Replacement: brake discs – FIAT BARCHETTA (183). Tip from AUTODOC experts:

- 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.

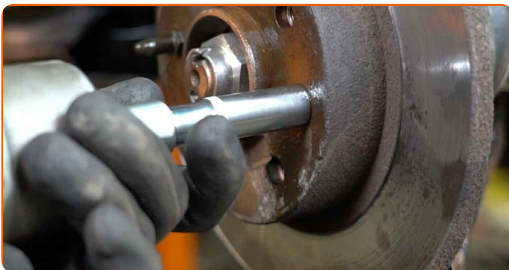
16

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



17

Unscrew the brake disc fastening. Use a drive socket #12. Use a ratchet wrench.

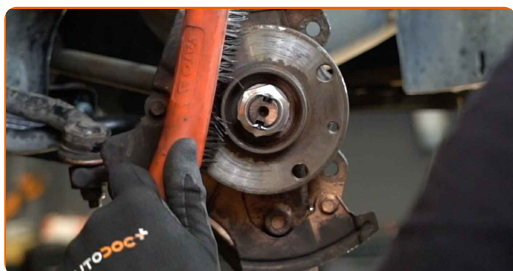




**18** Remove the brake disc. Use a rubber mallet.



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



**20** Clean the brake disk surface. Use all-purpose cleaning spray.

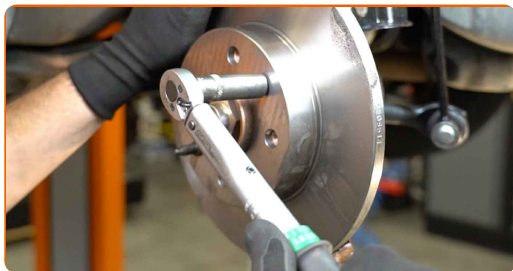


**21** Install the brake disc.



22

Tighten the brake disc fastening. Use a drive socket #12. Use a torque wrench. Tighten it to 9 Nm torque.



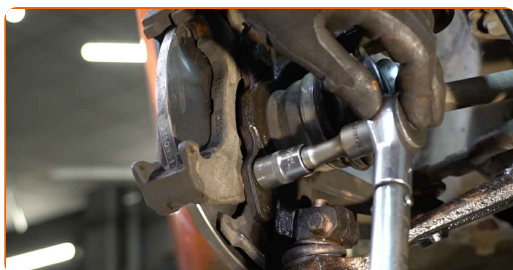
23

Install the brake caliper together with its bracket.



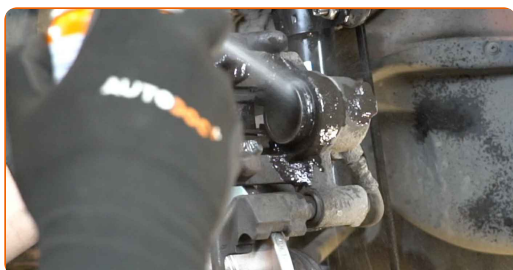
24

Tighten the brake caliper bracket. Use a drive socket #18. Use a torque wrench. Tighten it to 55 Nm torque.



25

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



**AUTODOC recommends:**

- Replacement: brake discs – FIAT BARCHETTA (183). After applying the spray, wait a few minutes.

**26**

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



**27**

Install the brake pads.



**28**

Install the brake caliper and fix it.

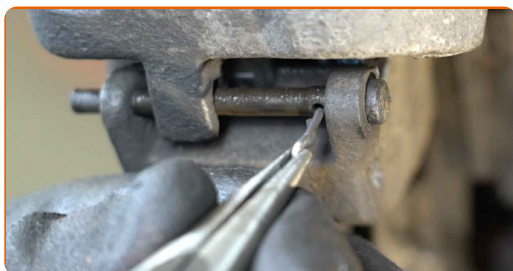


**29**

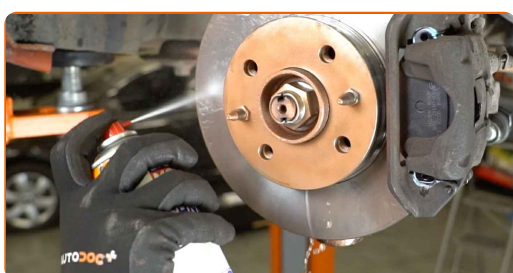
Install the brake caliper cotter pin. Use a pin punch. Use a hammer.



**30** Install the lock pin retainer clip. Use round-nose pliers.



**31** Treat the surface where the brake disc contacts the wheel rim. Use copper grease. Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: brake discs – FIAT BARCHETTA (183). After applying the spray, wait a few minutes.

**32** Install the wheel.



**AUTODOC recommends:**

- Important! Hold the wheel while screwing in the fastening bolts. FIAT BARCHETTA (183)

**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 wheel impact socket #17. Use a torque wrench. Tighten it to 98 Nm torque.



**35**

Remove the jacks and chocks.



**Replacement: brake discs – FIAT BARCHETTA (183). Tip from AUTODOC experts:**

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

36

Tighten the brake fluid reservoir cap. Close the hood.



Replacement: brake discs – FIAT BARCHETTA (183). Tip from AUTODOC experts:

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

**WELL DONE!** 

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