



How to change front
brake discs on **FIAT 500e**
– replacement guide

SIMILAR VIDEO TUTORIAL



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

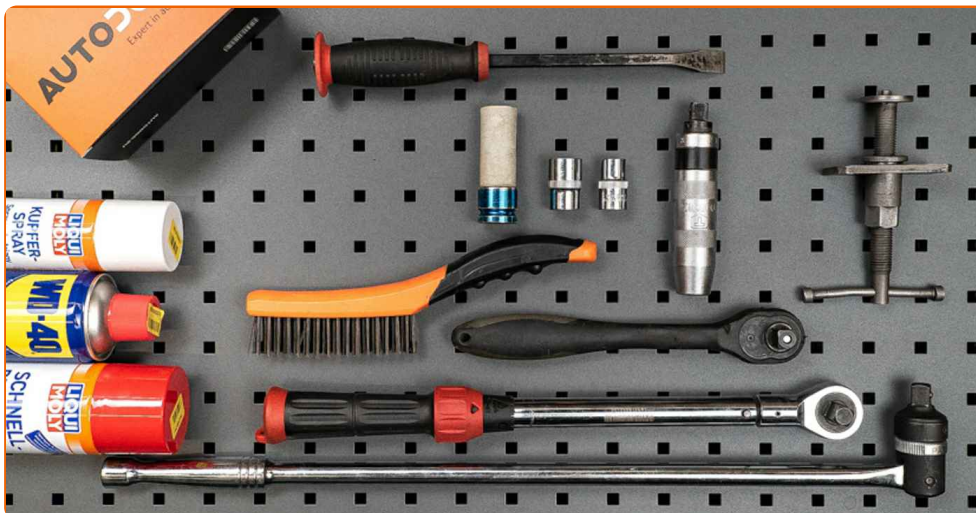
Important!

This replacement procedure can be used for:
FIAT 500e Elektro 3+1 (FA1), FIAT 500e Elektro (FA1)

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 Doblo Cargo (223_) 1.3 D Multijet

REPLACEMENT: BRAKE DISCS – FIAT 500E. TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Drive socket # 13
- Drive socket # 19
- Wheel impact socket #17
- Brake caliper wind back tool
- Ratchet wrench
- Torque wrench
- Tap wrench
- Crow bar
- Wheel chock

Buy tools

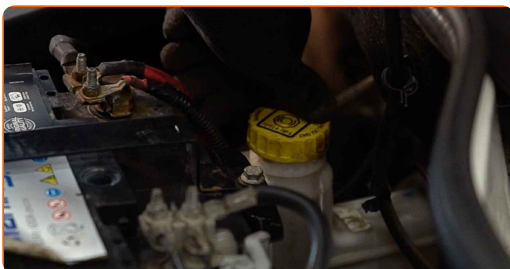
Replacement: brake discs – FIAT 500e. AUTODOC recommends:

- Replace the brake disks on the car FIAT 500e 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.
- All work should be done with the engine stopped.

REPLACEMENT: BRAKE DISCS – FIAT 500E. USE THE FOLLOWING PROCEDURE:

1

Open the bonnet. Unscrew the brake fluid reservoir cap.



2

Secure the wheels with chocks.

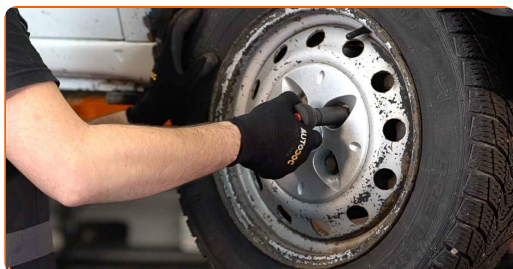


3 Loosen the wheel mounting bolts. Use wheel impact socket #17.



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

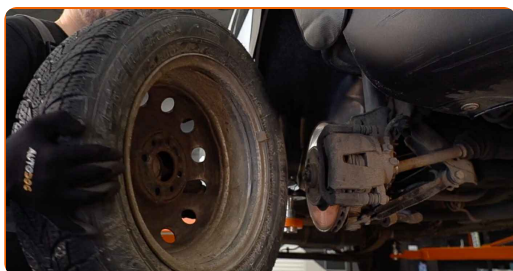
5 Unscrew the wheel bolts.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. FIAT 500e

6 Remove the wheel.



7

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



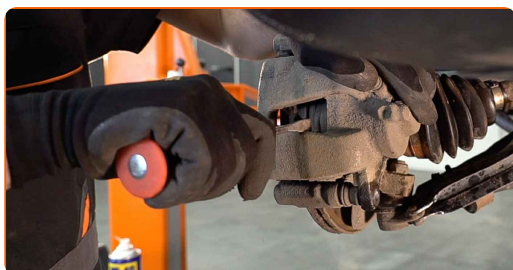
8

Unscrew the brake caliper fastening. Use a drive socket #13. Use a ratchet wrench.



9

Spread the brake pads. Use a crowbar.



10

Remove the brake caliper.

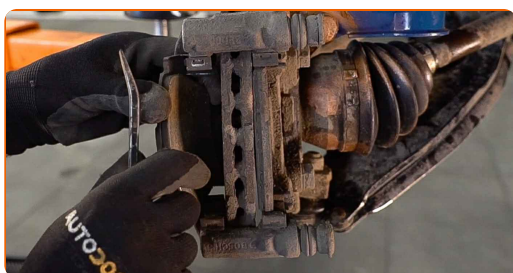


Replacement: brake discs – FIAT 500e. Tip from AUTODOC experts:

- 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.

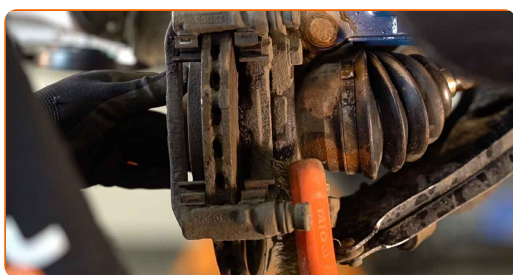
11

Remove the brake pads. Use a crowbar.



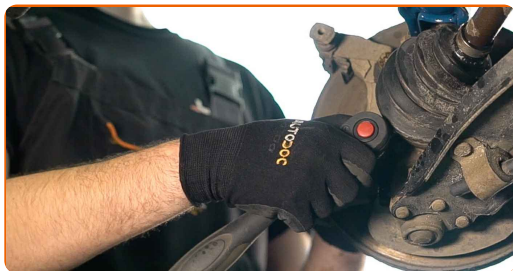
12

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

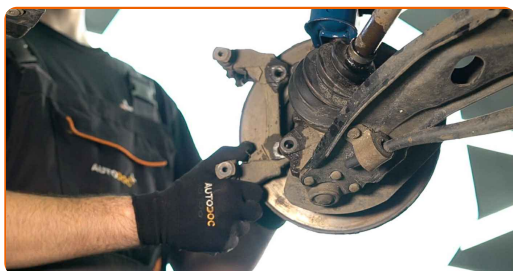


13

Unscrew the caliper bracket fastening. Use a drive socket #19. Use a ratchet wrench. Use a tap wrench.

**14**

Remove the caliper bracket.

**15**

Remove the brake disc.

**16**

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

**17**

Install the brake disc.



18 Install the brake caliper bracket.



19 Tighten the brake caliper bracket. Use a drive socket #19. Use a torque wrench. Tighten it to 57 Nm torque.

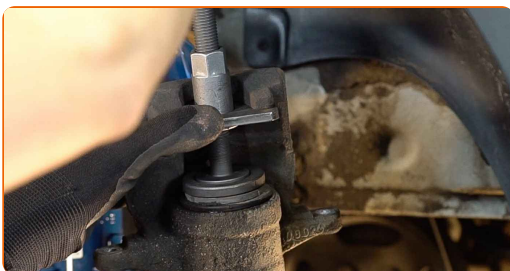


20 Treat the brake caliper piston. Use a brake cleaner.

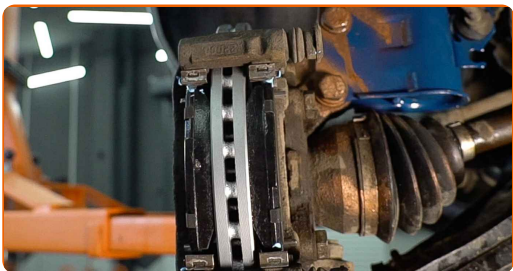
AUTODOC recommends:

- Replacement: brake discs – FIAT 500e. After applying the spray, wait a few minutes.

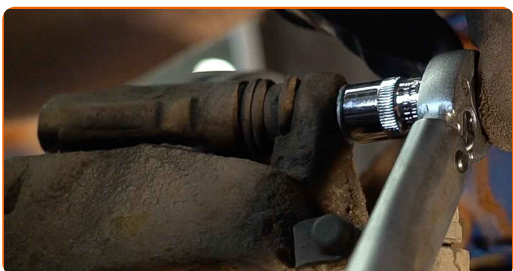
21 Press in the brake caliper piston. Use brake caliper wind back tool.



22 Install the brake pads.



23 Install the brake caliper and fix it. Use a drive socket #13. Use a torque wrench. Tighten it to 27 Nm torque.



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



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

Replacement: brake discs – FIAT 500e. Tip:

- After applying the spray, wait a few minutes.

26 Install the wheel.

AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. FIAT 500e

27

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



28

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 98 Nm torque.

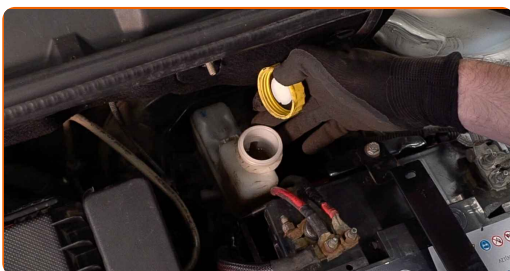


Replacement: brake discs – FIAT 500e. Tip from AUTODOC experts:

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

29

Tighten the brake fluid reservoir cap. Close the hood.



AUTODOC recommends:

- FIAT 500e – Press the brake pedal several times with the engine shut down until you feel the resistance built up.

30

Remove the jacks and chocks.

**WELL DONE!** **VIEW MORE TUTORIALS**

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