



How to change rear  
brake discs on **FIAT**  
**PALIO (178BX)** –  
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 PALIO (178BX) 1.7 D

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 500 Hatchback (312) 1.4

REPLACEMENT: BRAKE DISCS – FIAT PALIO (178BX).  
 TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #13
- Combination spanner #17
- Drive socket # 12
- Drive socket # 13
- Wheel impact socket #17
- Brake caliper wind back tool
- Ratchet wrench
- Torque wrench
- Rubber mallet
- Crow bar
- Wheel chock

**Buy tools**

Replacement: brake discs – FIAT PALIO (178BX). AUTODOC experts recommend:

- Replace the brake disks on the car FIAT PALIO (178BX) 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 PALIO (178BX) – 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 rear of the car and secure on supports.

**5** Unscrew the wheel bolts.



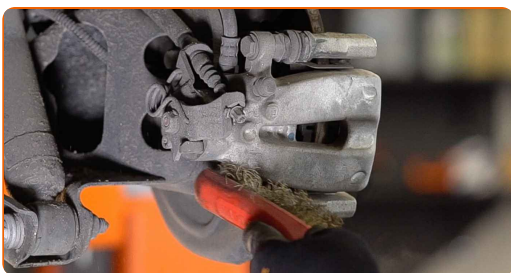
Replacement: brake discs – FIAT PALIO (178BX). Tip:

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

**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 combination spanner #17. Use a ratchet wrench.



- 9** Remove the brake caliper.



**Replacement: brake discs – FIAT PALIO (178BX). AUTODOC recommends:**

- 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.

**10** Remove the brake pads. Use a crowbar.



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



**12** Unscrew the caliper bracket fastening. Use a combination spanner #13.



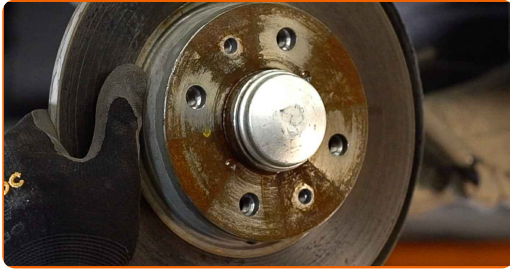
**13** Remove the caliper bracket.



**14** Clean the brake disk surface. Use a wire brush. Use WD-40 spray.



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



Replacement: brake discs – FIAT PALIO (178BX). Tip from AUTODOC:

- If necessary, use a rubber mallet.

**16** Remove the brake disc.

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



**18** Install the brake disc.





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



**20** Install the brake caliper bracket.



**21** Tighten the brake caliper bracket. Use a combination spanner #13. Use a torque wrench. Tighten it to 54 Nm torque.



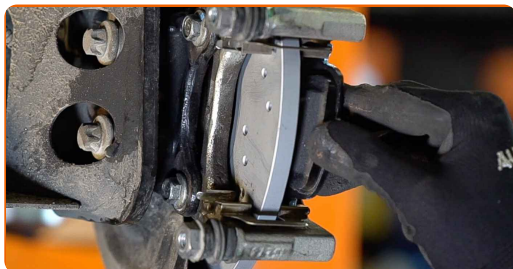
**22** Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: brake discs – FIAT PALIO (178BX). After applying the spray, wait a few minutes.

**23** Install the brake pads.



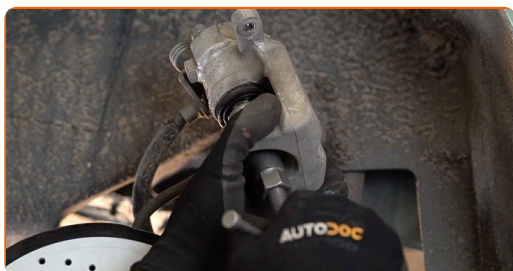
**24** Treat the brake caliper piston. Use a brake cleaner.



Replacement: brake discs – FIAT PALIO (178BX). Tip:

- After applying the spray, wait a few minutes.

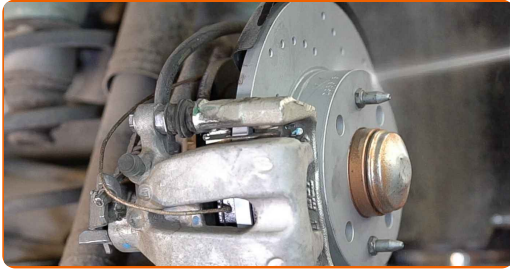
**25** Press in the brake caliper piston. Use brake caliper wind back tool.



**26** Install the brake caliper and fix it. Use a combination spanner #17. Use a drive socket #13. Use a ratchet wrench. Use a torque wrench. Tighten it to 27 Nm torque.

**27**

Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: brake discs – FIAT PALIO (178BX). After applying the spray, wait a few minutes.

**28**

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



**29**

Install the wheel.



**Replacement: brake discs – FIAT PALIO (178BX). Tip from AUTODOC experts:**

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

**30**

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

**31**

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



**AUTODOC recommends:**

- Important! Replacement: brake discs – FIAT PALIO (178BX). Check the brake fluid level in the reservoir and top up if necessary.

**32**

Tighten the brake fluid reservoir cap. Close the hood.



**AUTODOC recommends:**

- FIAT PALIO (178BX) – Without starting the engine, press the brake pedal several times until it feels firm.

**33**

Remove the jacks and chocks.

**WELL DONE!** 

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