



How to change rear
brake discs on **Fiat 500**
312 – replacement guide

VIDEO TUTORIAL



 Important!

This replacement procedure can be used for:

FIAT PANDA (169) 1.2, FIAT PANDA (169) 1.3 D Multijet 4x4, FIAT PANDA (169) 1.2 4x4, FIAT TIPO (160) 1.9 TD, FIAT TIPO (160) 2.0 i.e., FIAT TIPO (160) 2.0 i.e. 16V Sport, FIAT TIPO (160) 2.0 16V, FIAT TEMPRA (159) 1.9 TD, FIAT TEMPRA (159) 1.6 i.e., FIAT TEMPRA (159) 1.8 i.e., FIAT TEMPRA (159) 2.0 i.e., FIAT TEMPRA S.W. (159) 1.9 TD, FIAT TEMPRA S.W. (159) 1.6 i.e., FIAT TEMPRA S.W. (159) 1.8 i.e., FIAT TEMPRA S.W. (159) 2.0 i.e. 4x4, (+ 41)

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE DISCS – FIAT 500 312. 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 500 312. AUTODOC experts recommend:

- Replace the brake discs on the car Fiat 500 312 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 500 312 – 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.



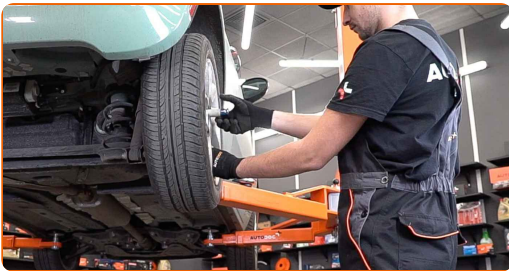
3 Loosen the wheel mounting bolts. Use wheel impact socket #17.



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



5 Unscrew the wheel bolts.



Replacement: brake discs – Fiat 500 312. Tip:

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

6 Remove the wheel.



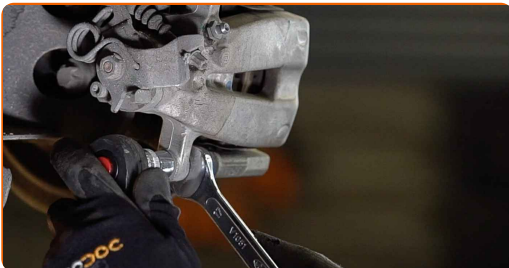
7

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.



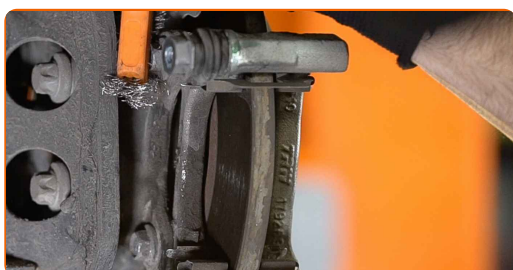
Replacement: brake discs – Fiat 500 312. AUTODOC recommends:

- 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.

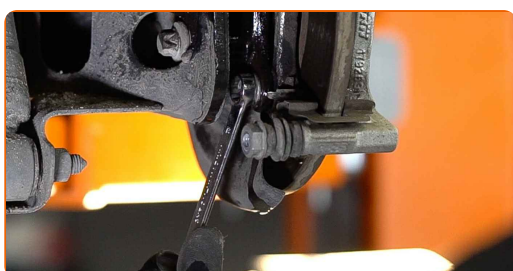
10 Remove the brake pads. Use a crowbar.



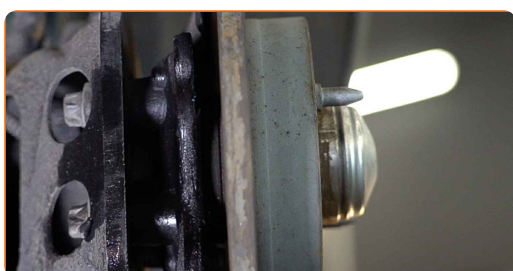
11 Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



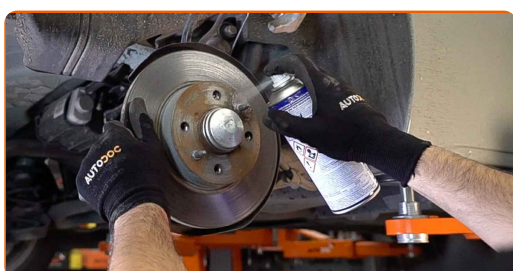
12 Unscrew the caliper bracket fastening. Use a combination spanner #13.



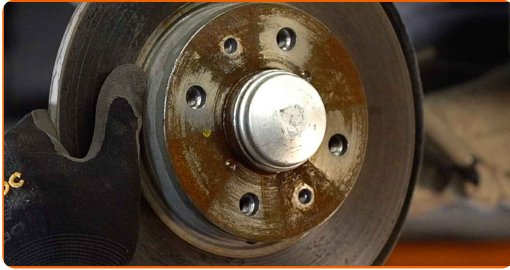
13 Remove the caliper bracket.



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 500 312. 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.



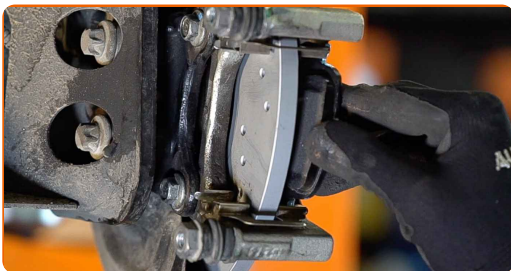
22 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake discs – Fiat 500 312. After applying the spray, wait a few minutes.

23 Install the brake pads.



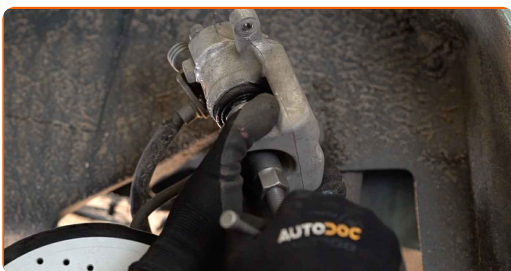
24 Treat the brake caliper piston. Use a brake cleaner.



Replacement: brake discs – Fiat 500 312. Tip:

- After applying the spray, wait a few minutes.

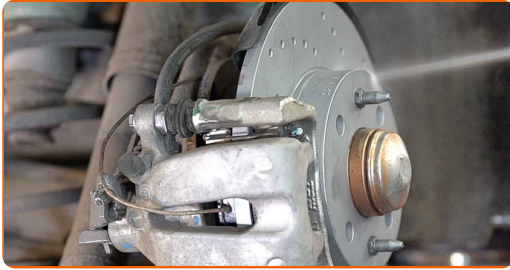
25 Press in the brake caliper piston. Use brake caliper wind back tool.



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 500 312. 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 500 312. 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 500 312. 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 500 312 – 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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