Black and Decker BDERO100 Holder Brush and Spring Replacement

This guide describes how to replace the holder brush and spring assembly that power the motor for the BLACK and DECKER BDERO100 5 inch sander.

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INTRODUCTION

This guide describes how to replace the holder brush and spring assembly from the BLACK and DECKER BDERO100 5 inch sander. You will need the JIS - J1 bit driver or equivalent, TR20 Torx Security bit driver or equivalent, the plastic spudger & the plastic opening tool.

🔧 TOOLS:

- T20 Torx Screwdriver (1)
- Heavy-Duty Spudger (1)
- iFixit Opening Tools (1)
- JIS Driver Set (1)

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Step 1 — Chassis

- Use the nylon spudger to remove the rubber ring from the filter attachment section.

- (i) The easiest way to do this is to place the spudger sideways and pulling out the ring.

Step 2

- Use the TR20 Torx Security bit driver to unscrew the five 18.75mm Phillips screws from the warning label side of the chassis.

Step 3

- Grab the plastic opening tool and place it on the separation line between both sides of the chassis.

- Separate both sides and open the device.

⚠ Be careful not to lose or detach any internal parts while opening the sander.

Step 4

- Hold the chassis and separate it from the device.

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Step 5 — Holder Brush and Spring

- Use the bit driver with the JIS - J1 bit to remove the two 12.5 mm phillips screws holding the cord clamp to the chassis.

Step 6

- With yout hands, hold and separate the power button from the external case by pulling gently.
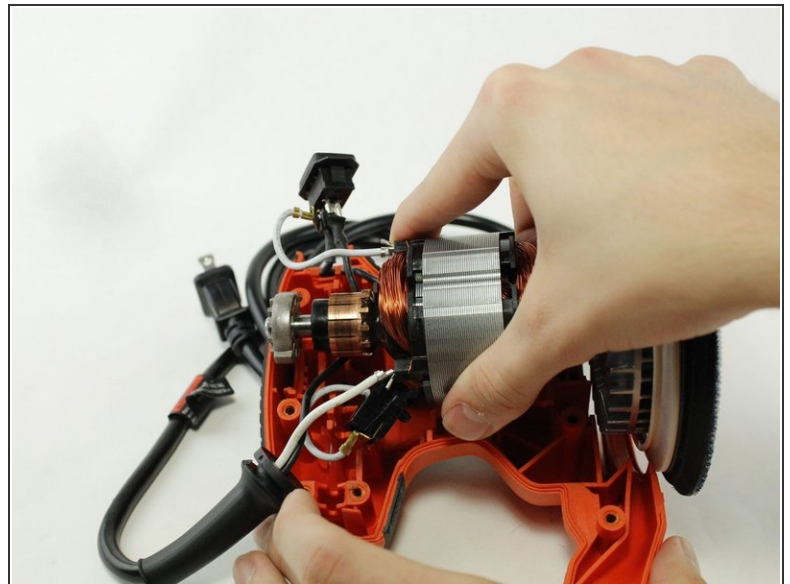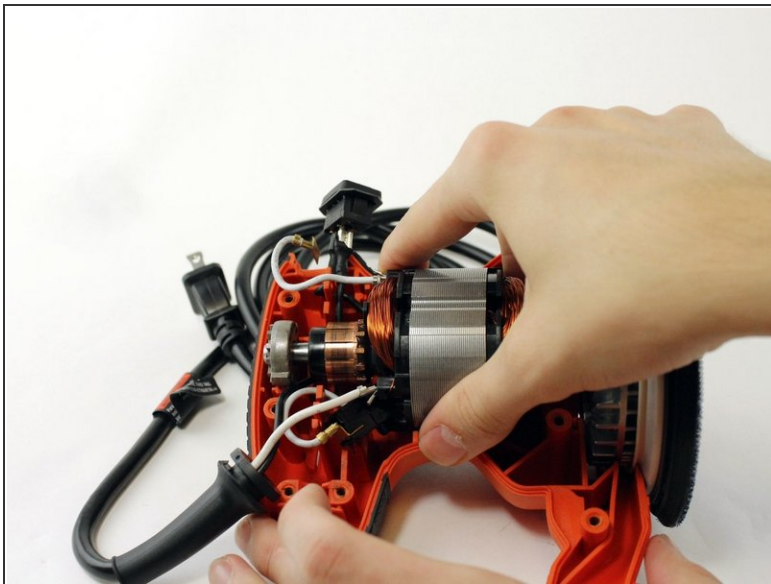
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Step 7

- Identify the white cables connected to the holder brush and spring.

Step 8

- Hold the motor and gently pull to remove from chassis.

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Step 9

- Remove the wire connected to the brush holder from the motor by pulling gently.

Step 10

- Remove the wire connected to the brush holder from the motor by pulling gently.

- (i) Make a note of where each wire should be, you will avoid making wiring mistakes when assembling the device.

To reassemble your device, follow these instructions in reverse order.

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