



DeWALT Hammer Drill DW511 Brush Spring Replacement

How to replace the DeWALT Hammer Drill DW511 brush spring.

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INTRODUCTION

Welcome to the Dewalt Hammer Drill DW511 brush spring replacement guide. The brush springs are an important component that hold the brushes in place so the brushes are not loose. Having strong springs is important because once springs go loose and the brushes do not work properly, the drill will overheat.

Caution: the springs are made of a small thin metal that is easy to break and easy to lose.



TOOLS:

- [Tweezers](#) (1)
 - [T20 Torx Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [ESD Safe Tweezers Blunt Nose](#) (1)
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Step 1 — Back Cover



- Remove three 19mm T20 Torx screws from the back of the drill.

Step 2



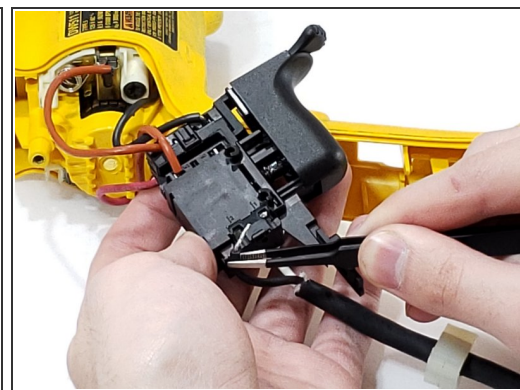
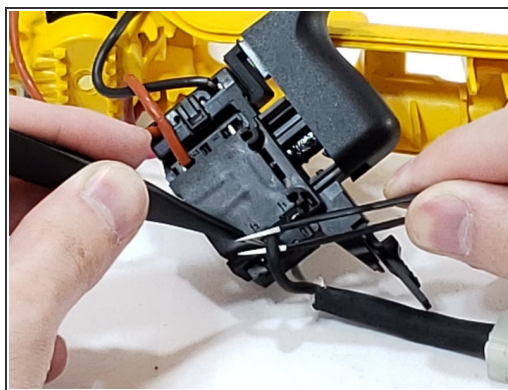
- Place an opening tool in the groove line of the handle and pop the back loose.
- Grab the drill with two hands and pull the cover off.

Step 3 — Power Cord



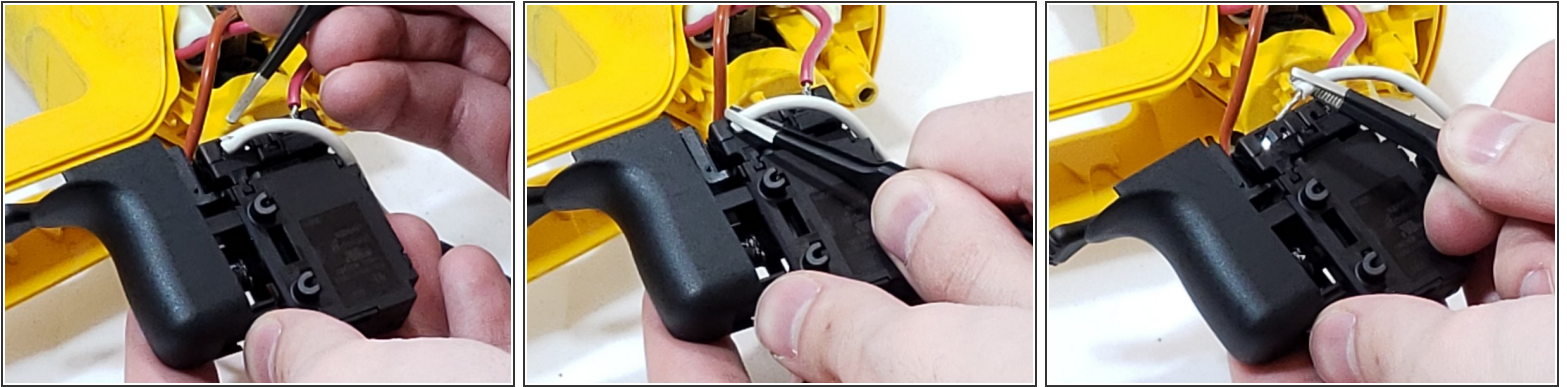
- Firmly grab the body of the trigger.
- Slowly pull the trigger until the entire body is out and only attached by wires.

Step 4



- With sharp point tweezers, push the little metal flap up in the hole holding the wire.
- Clamp the wire with blunt tweezers, and slowly pull the wire out.

Step 5



- With a pair of blunt nose tweezers, grab the white wire.
- Carefully wiggle the wire loose.
- Pull the wire slowly until it comes out.

Step 6



- With both wires free, the power cord is free from the trigger body.

Step 7 — Brush Spring



- With broad-tipped tweezers, grab the bottom flap of the metal spring.
 - Pull the flap up and proceed to pull off the spring.
- ⚠ Be careful pulling the spring off; it is easy to break and lose.

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