Dremel 4000 Power Cord Replacement
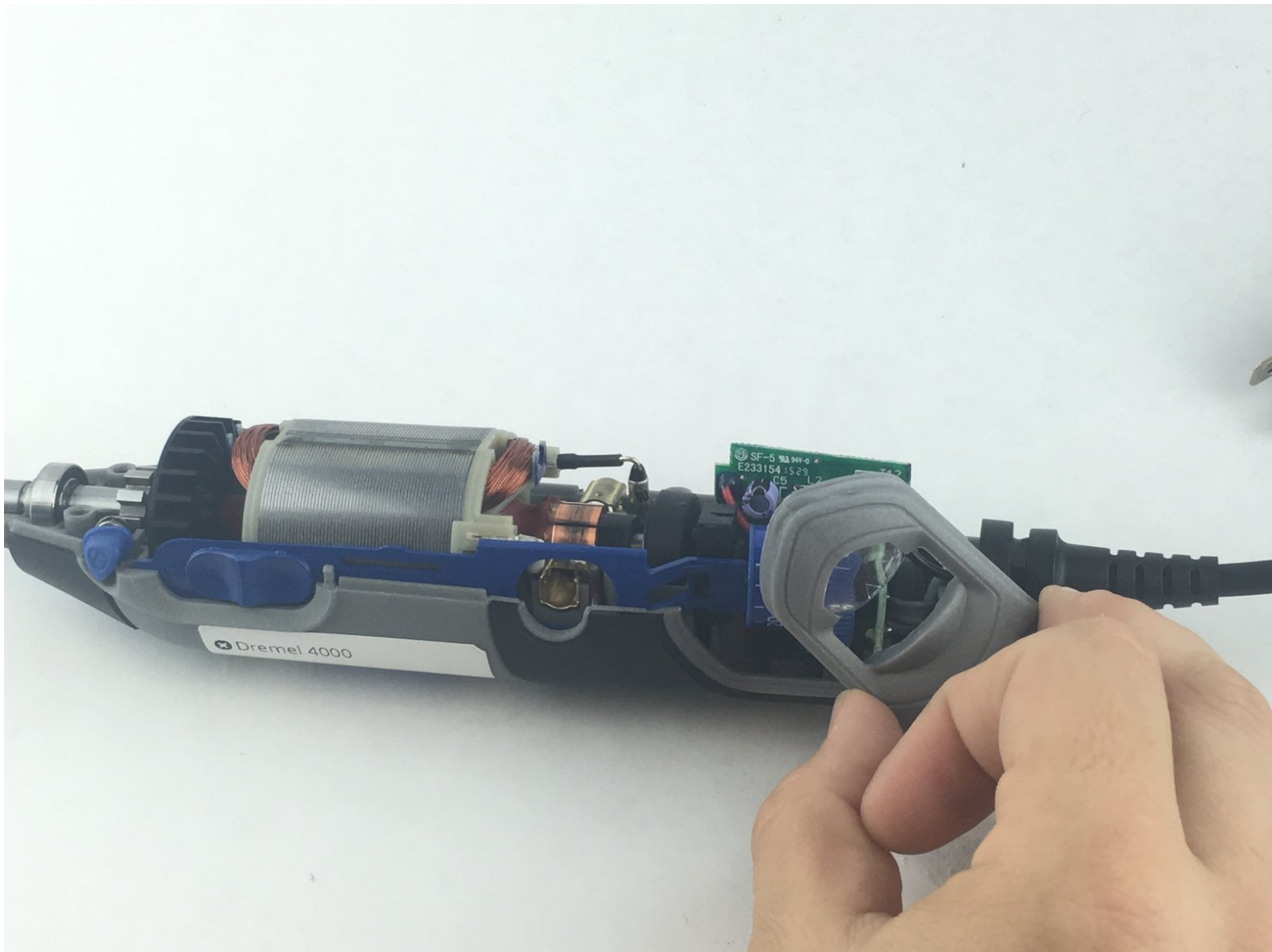
This guide will show how to remove and replace the power cord for the Dremel 4000.

Written By: John Cobb

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Page 1 of 7

INTRODUCTION

In the following steps you will access the electrical assembly, and remove the positive and negative wires that connect the power cord to the assembly.

⚙ TOOLS:

- Flathead 3/32" or 2.5 mm Screwdriver (1)
- iFixit Opening Tools (1)
- T15 Torx Screwdriver (1)

Step 1 — Back Case

- Start by removing the housing cap by unscrewing it.

- Next, unscrew the now exposed collet nut while holding down the shaft lock button.
  - (i) To remove the collet nut, you may need to use the small open-end wrench provided with the Dremel.

Step 2

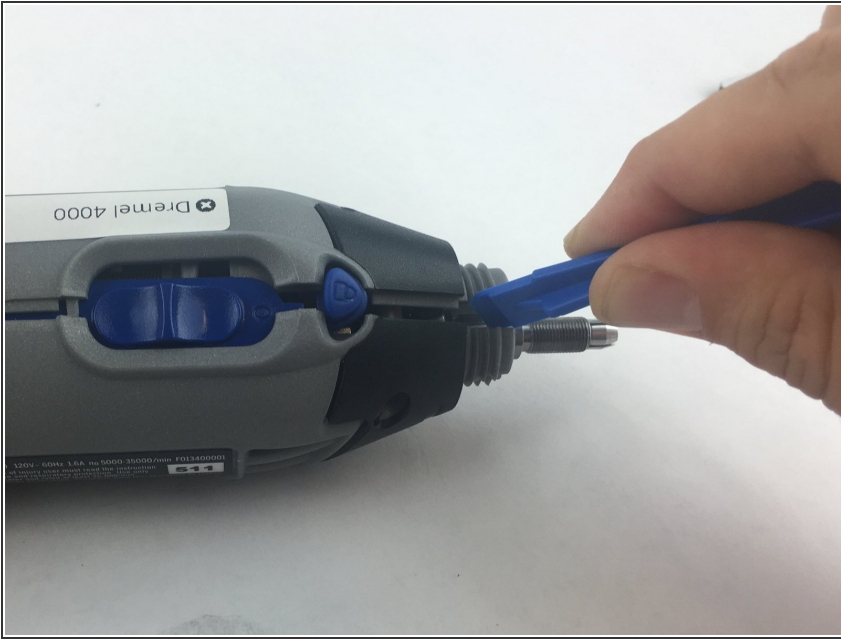- Using your hands, carefully remove hanger from casing.

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Step 3

- Remove the brush caps (one on each side) by using a flathead screwdriver bit.
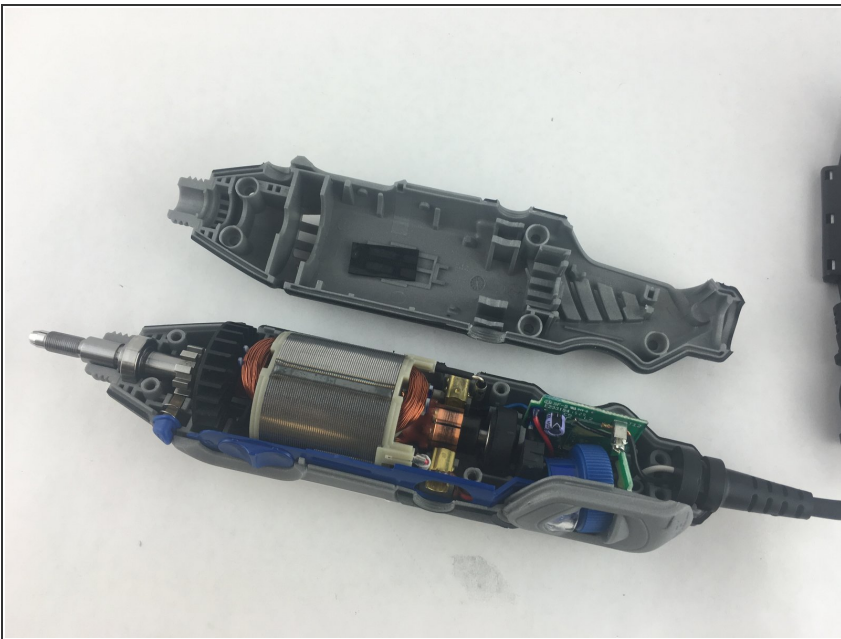 - (i) The brush caps are spring loaded.

Step 4

- Using the Torx 15 screwdriver tip, remove the 5 screws (12.5 mm) that hold the casing together.
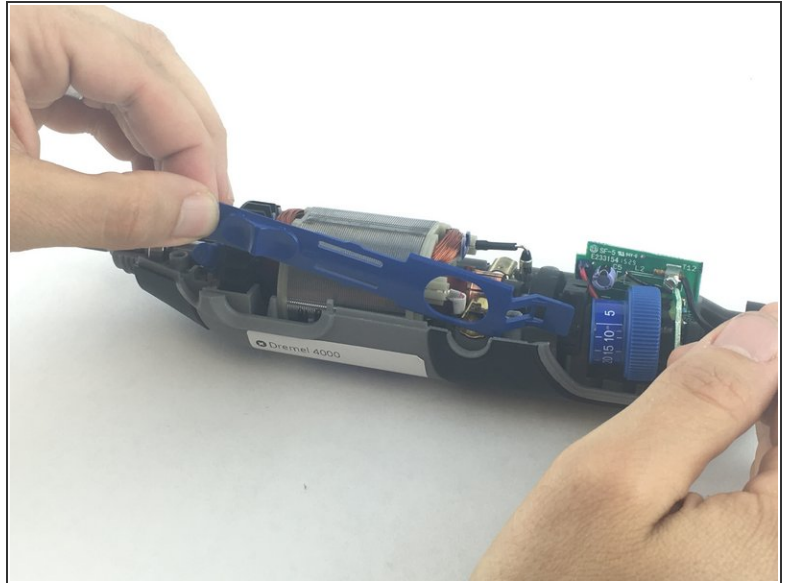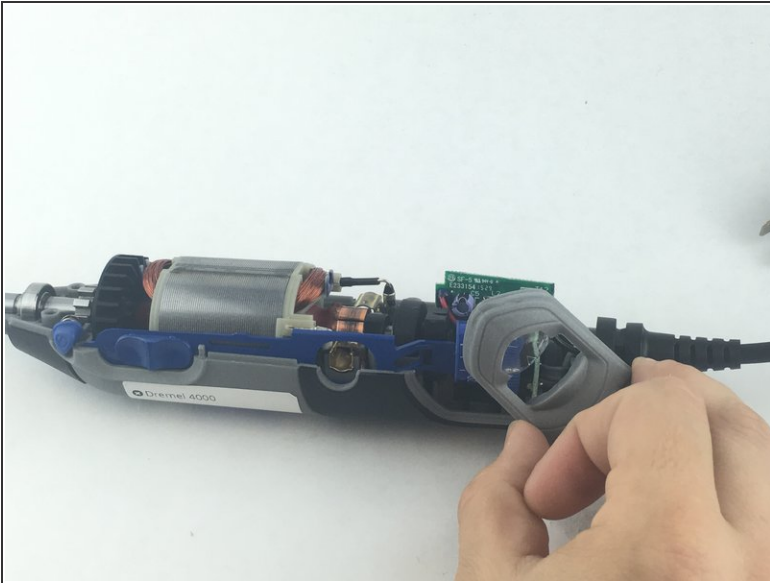
Step 5

- Use a plastic opening tool to gently wedge apart the hard plastic threads.
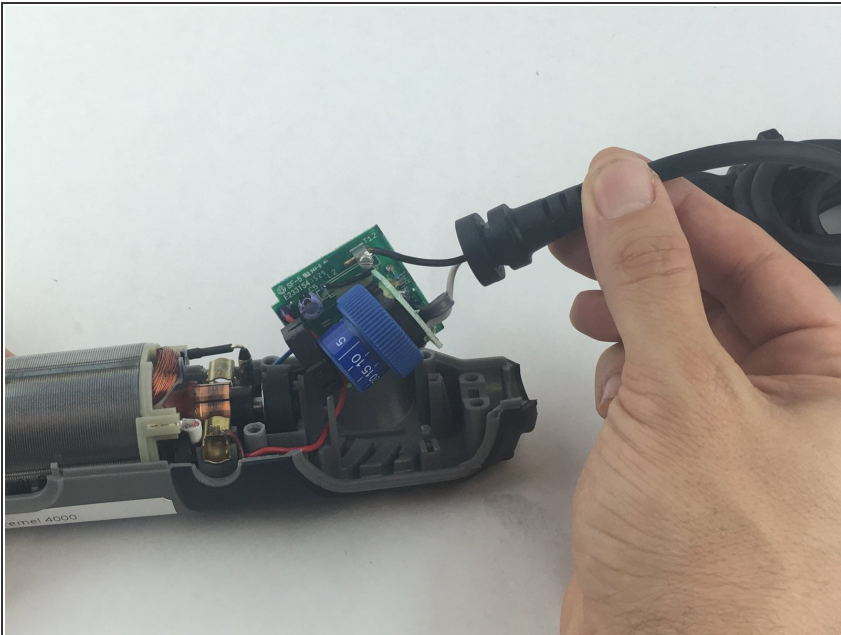
Step 6

- Use your hands to carefully remove the back casing so that none of the components fall out.

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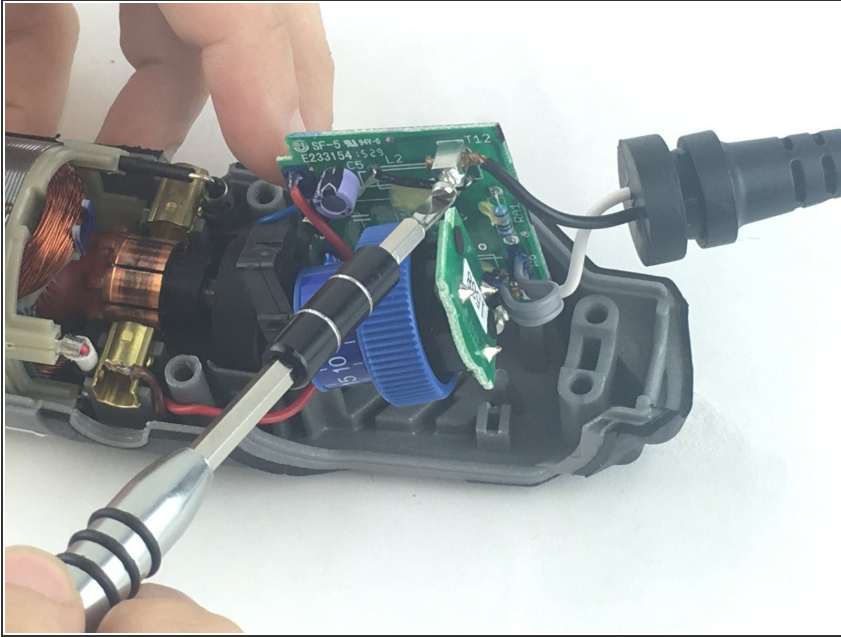
Step 7 — Power Cord

- To clear access to the electrical assembly, remove the variable speed dial cap and blue power lever, and set them aside.
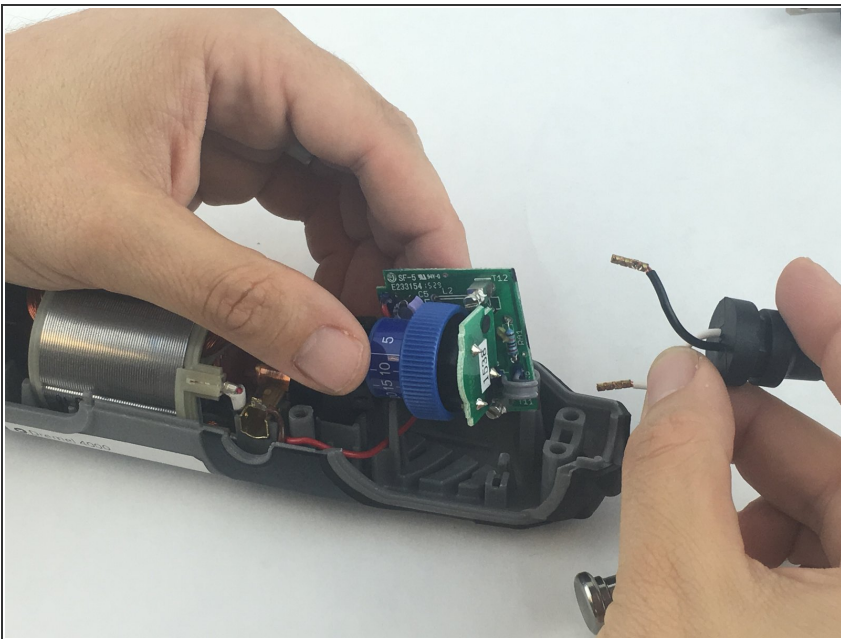
Step 8

- Using your fingers, carefully pull the circuit board from the casing. This will make it easier to remove the power cord.

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Page 6 of 7

Step 9

- Each wire is fed through a small opening on the circuit board and held with a flat head screw.

- Loosen the screw just enough to remove the wire by gently pulling it with your hand.

Step 10

- Carefully remove both wires from circuit board with your hands.
  - ⓘ Take careful note of which side has the black wire and which has the white wire.

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

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