



Dremel 8220 Motor Replacement

This guide will help you replace your defective Dremel 8220 motor with a new one.

Written By: Shailing Santiago



INTRODUCTION

This guide will show you how to replace a defective motor. With a few steps and a some tools, you will be able to open up the device and gain access to the motor. The motor can then be easily swapped out for a new one so that it can start working again.

TOOLS:

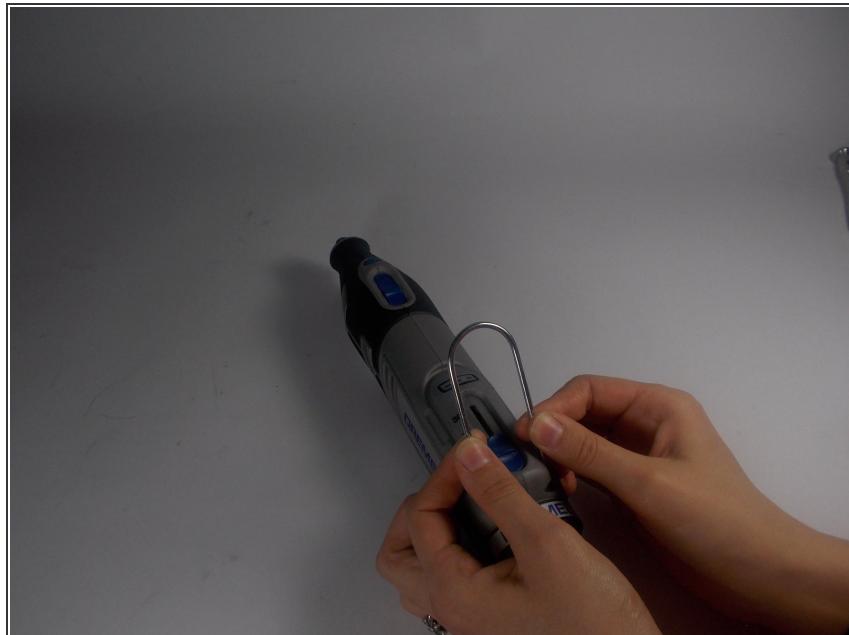
- T9 Torx Screwdriver (1)

Step 1 — Motor



- Locate the battery at the back of your Dremel. Firmly grasp the battery on both sides and pull. It should easily come out of the battery well.

Step 2



- Remove the ring located around the speed selector switch by pulling apart on either side. (This should require very minimal force.)

Step 3



- Remove the collar wrench by pushing the gear lock button. Continue to hold this button as you rotate the wrench counter-clockwise until it is removed.

Step 4



- Remove the metal clasp from the battery well. This piece helps hold the plastic shell of the device together. Pry it out by gently applying some force with a spudger.

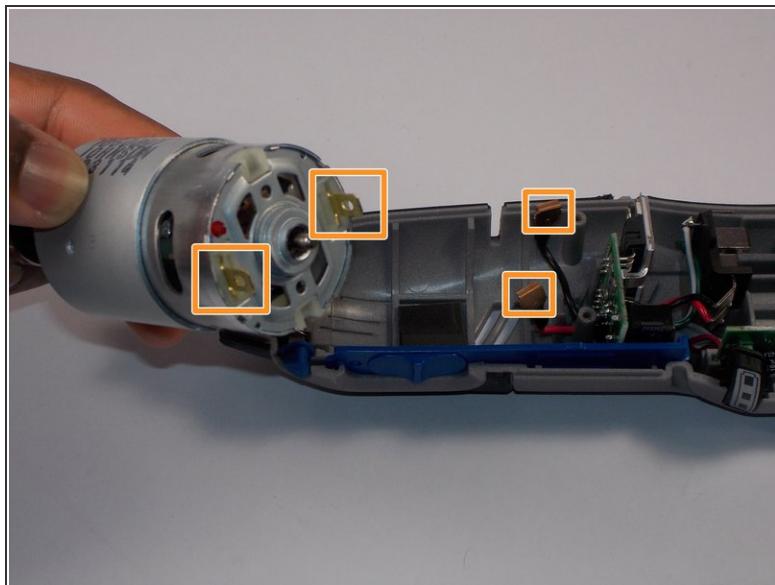
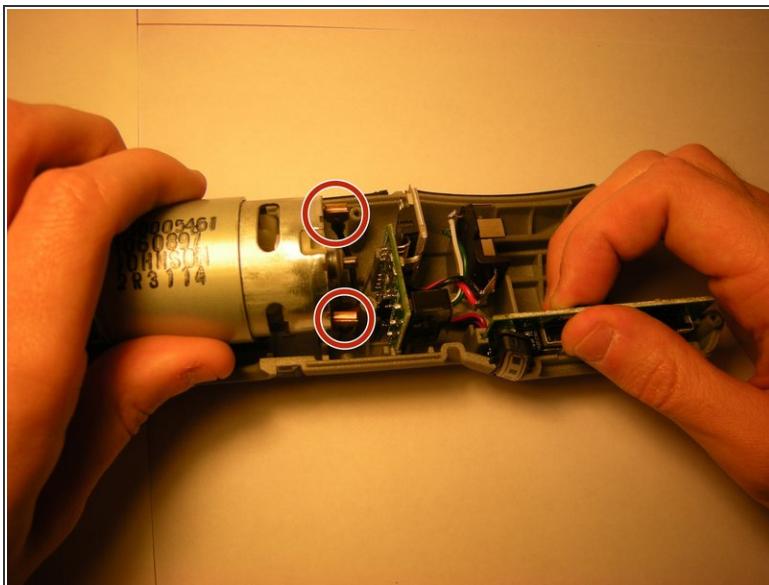
Step 5



- Remove five 10.5 mm Torx T9 screws.

(i) Now pull apart the plastic shell of the device. If you are not able to, review the previous steps as you may have missed one.

Step 6



- Remove broken motor. Lift out the motor until you can see the wires that connect to it.
- Remove the clips where the wires connect with the motor. This can be done with your fingers or a pair of tweezers.

 You should then be able to reconnect a new motor and reassemble the device.

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