



# Shop-Vac MC150A Motor Replacement

This guide will show users how to replace the motor.

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## INTRODUCTION

This guide will teach you how to replace the motor.

### TOOLS:

- T15 Torx Screwdriver (1)
- Screwdriver (1)
- T15 Torx Screwdriver and Socket Wrench (1)

### PARTS:

- Standard Cable Outlet (1)

## Step 1 — Power Unit Assembly



- Separate the power unit assembly (the black top) from the tank assembly (the red bottom).
- To open, grab the black clips on both sides of the vacuum. Pull away from device and lift up black top.

## Step 2



- Turn over the black top and locate the 3 screws to remove the filter section.
- Remove the 3 H3.5 Allen screws on the black top.

## Step 3



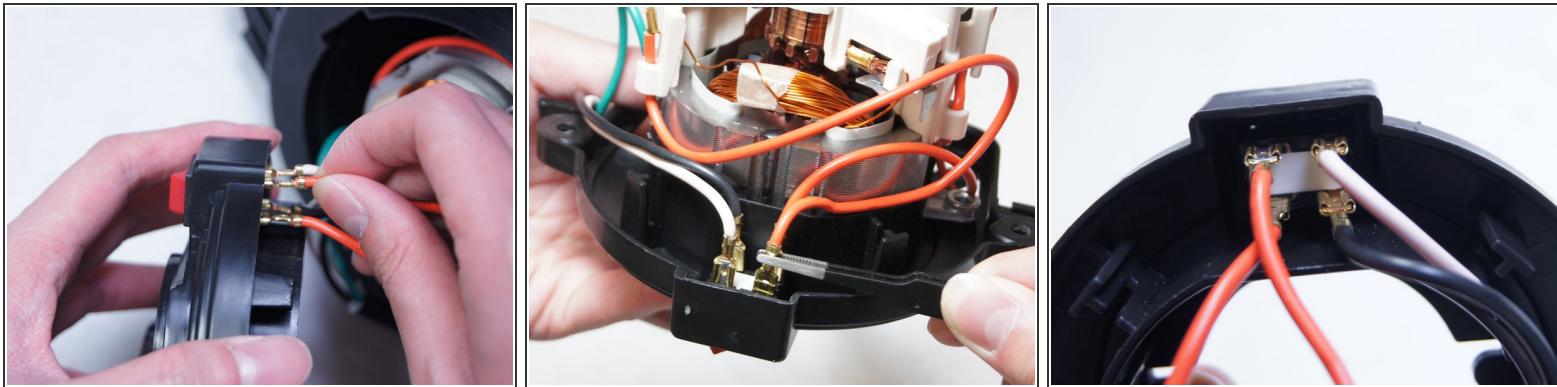
- Separate top filter section from the power unit assembly.
- Remove the four H3.5 Allen screws.

## Step 4



- After removing the screws, separate the power unit assembly from the cover.

## Step 5 — Power Cable

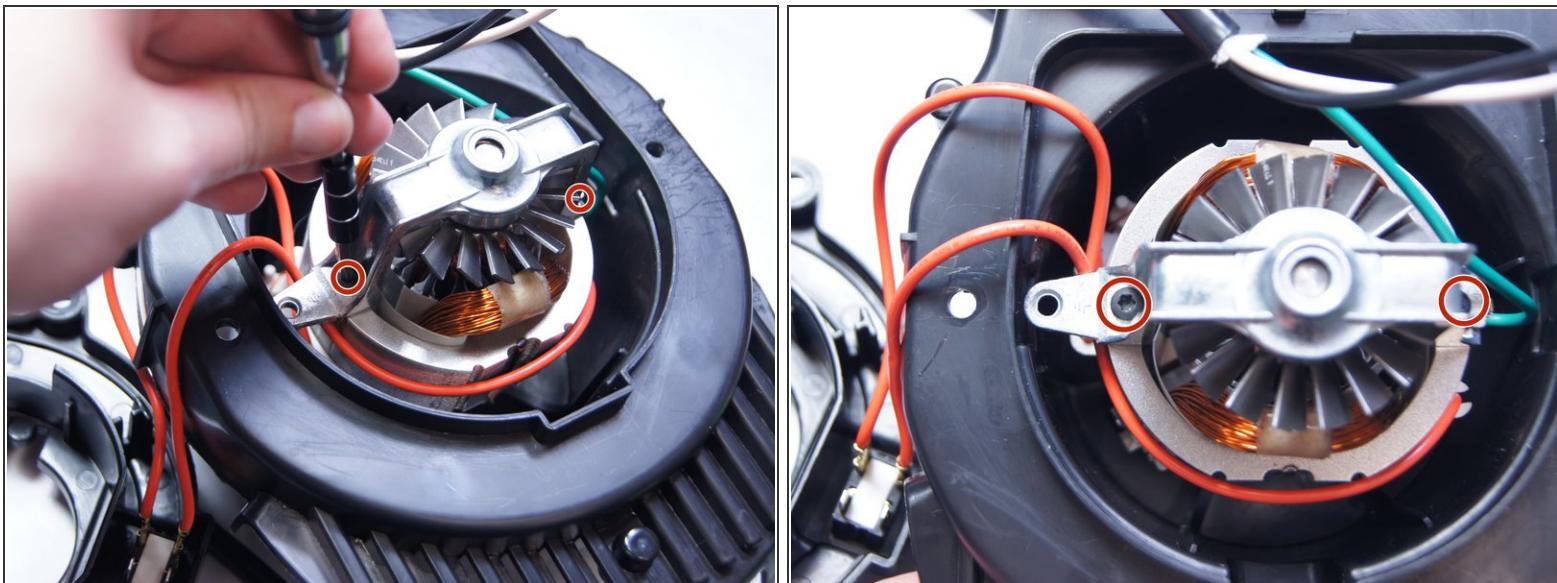


- Remove the four wires 2 orange, 1 black, and 1 white.

*(i)* It will be important to remember which ports the wires are plugged into.

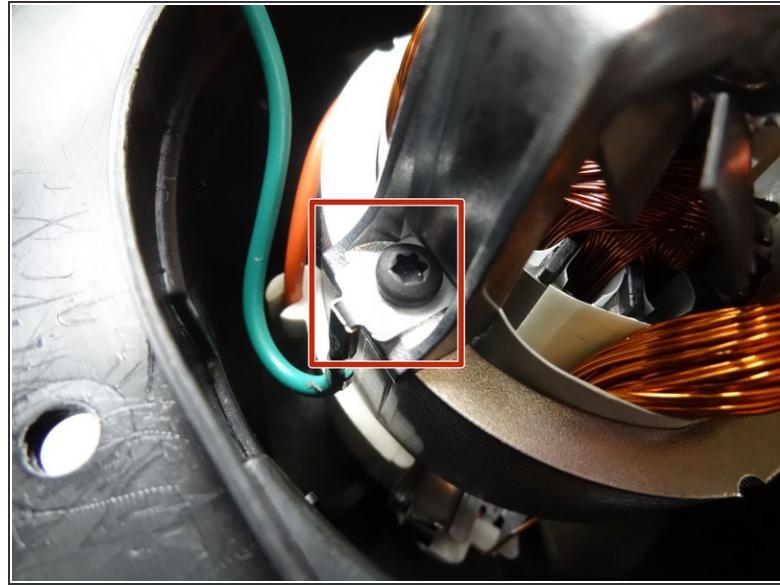
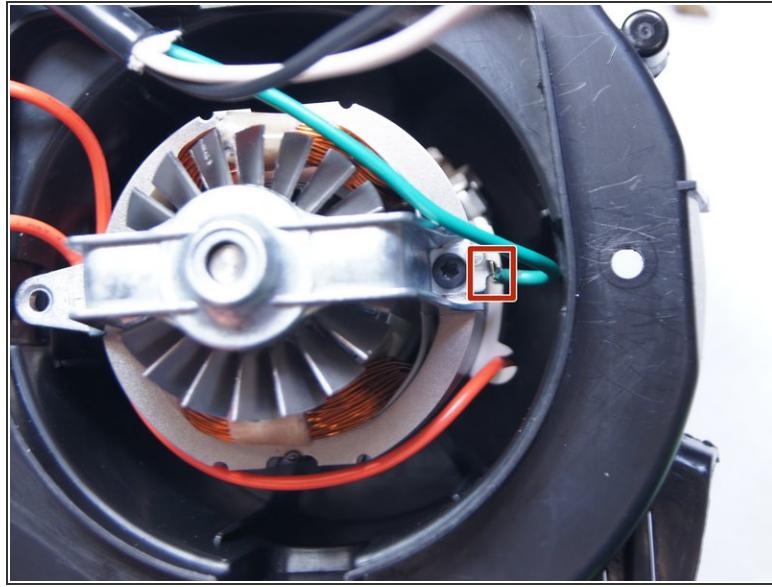
**!** The clips on the wires may be sharp. You can pull them out with a pair of blunt ESD tweezers.

## Step 6



- Unscrew the two screws on both sides of the metal bridge with a Torx T-15.

## Step 7



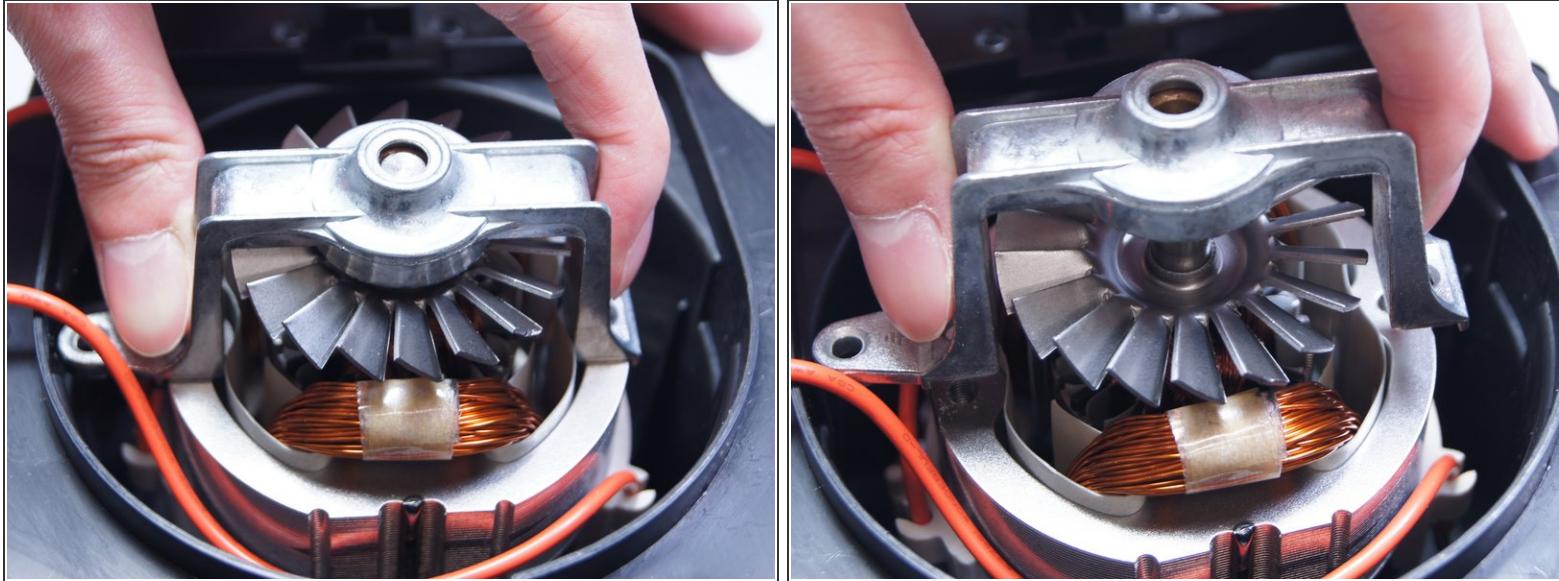
- Pull the green wire away from the motor housing after removing the screw.

## Step 8



- Separate the clip from the green wire.

## Step 9 — Motor



- Pull the frame up and separate it from the motor.

## Step 10



- Turn the part over to the other side.
- Use the socket wrench to take off the aluminum plate.

## Step 11



- Unscrew the two Phillips head screws holding the cover to the motor.
- After removing the cover to the motor, you can replace the motor.

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