Shop-Vac MC150A Motor Replacement

This guide will show you how to remove and replace the motor for the MC150A Shop-Vac.

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INTRODUCTION

This guide will teach you how to remove and replace the motor for the MC150A Shop-Vac.

🔧 TOOLS:

- 3.5mm Hex Key (1)
- T15 Torx Screwdriver (1)

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Step 1 — Unlatch the power unit assembly

- (i) Before you begin, make sure to switch off the device and unplug it from the outlet.

- Unlatch the two side clips securing the power unit assembly to the tank.

- Remove the power unit assembly from the tank assembly.

Step 2 — Remove the top cover

- Use a 3.5 mm hex key to remove the three screws securing the top cover.

- Remove the top cover.
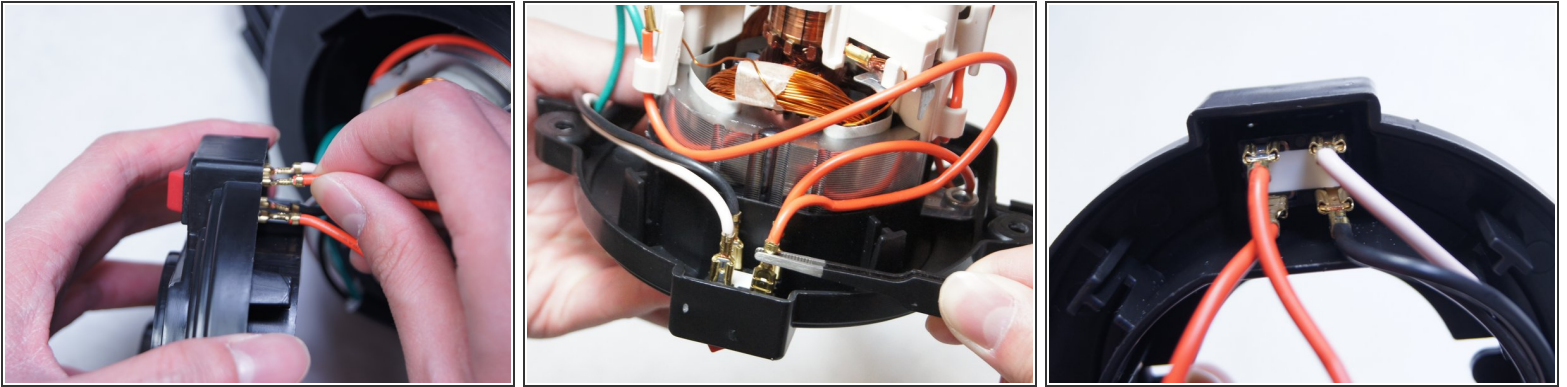
Step 3

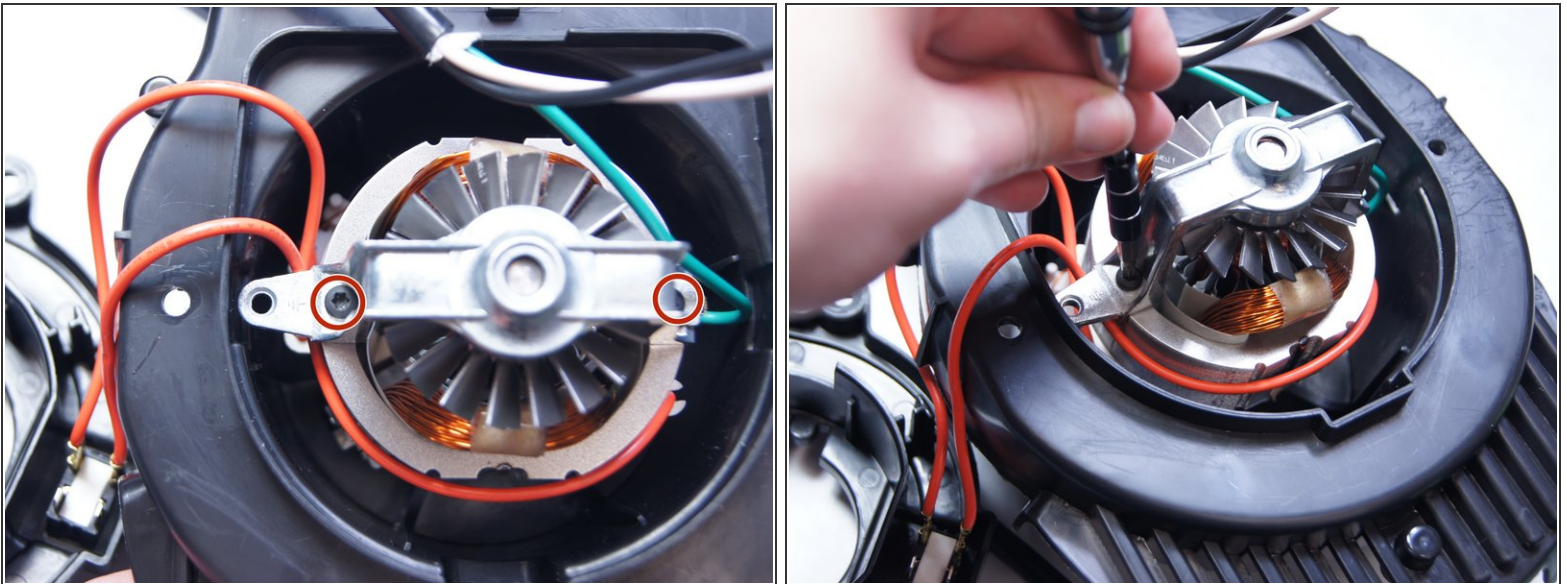- Use a 3.5 mm hex key to remove the four screws securing the power unit assembly.

Step 4

- Separate the power unit assembly from the cover.

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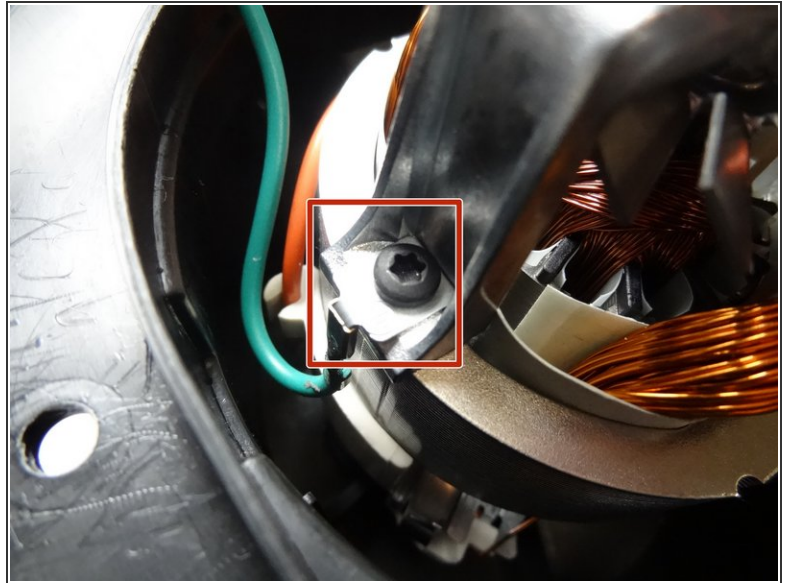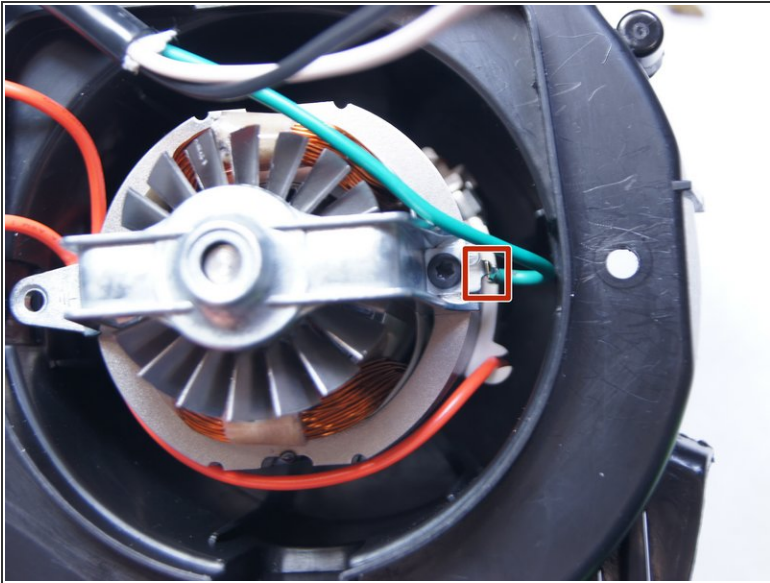Page 4 of 8

Step 5 — Disconnect the switch

- Pull out and disconnect the four spade connectors from the switch module.

- ⭐ During reassembly, use the last image as a reference for how to connect the wires.

Step 6 — Unscrew the motor bracket

- Use a Torx T15 driver to unscrew the two screws securing the metal motor bracket.

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Step 7

- During reassembly, be sure to reattach the green ground wire clip to the bracket.

Step 8

- Separate the clip from the green wire and transfer it to the replacement motor.

Step 9 — Motor

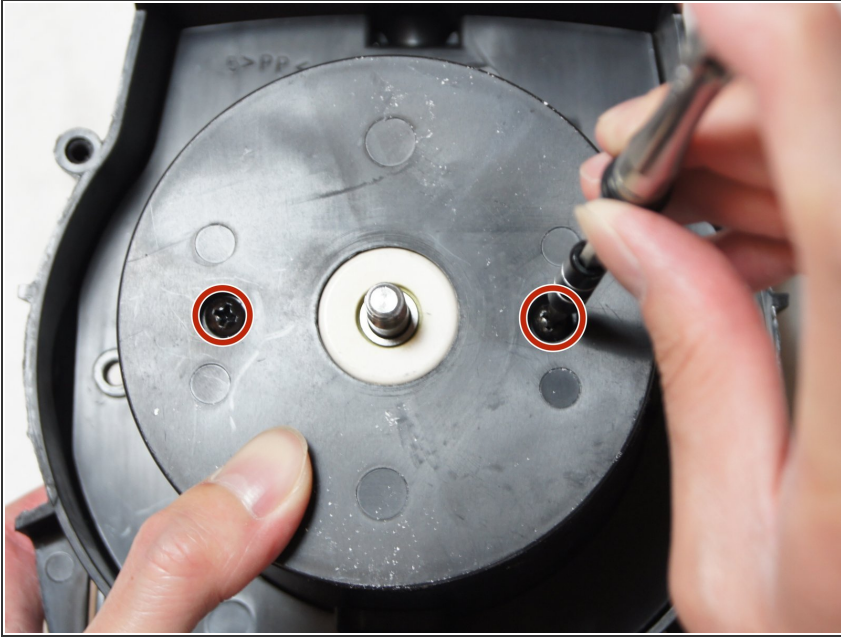

- Remove the motor bracket.

Step 10

- Turn the part over to the other side.

- Use the socket wrench remove the bolt securing the aluminum plate.

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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.

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