iRobot Roomba 870 Side Brush Motor Replacement

The motor is the driving component of the Roomba. By replacing this motor with a new functioning one, the Roomba will perform perfectly.

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INTRODUCTION

This guide gives instructions on removing the side brush motor in the Roomba 870. There are a lot of screws that need to be taken out to replace the motor, so make sure you set aside a spot for the screws so that they are not lost.

🔧 TOOLS:

- Y1 Tri-point Screwdriver (1)
- Phillips #00 Screwdriver (1)

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Step 1 — Side Brush Motor

- Turn the Roomba over so that the back side is facing up.

- Using the Phillips #00 screwdriver, remove the 4.0mm screw in the center of the yellow side brush and lift the part out.

Step 2
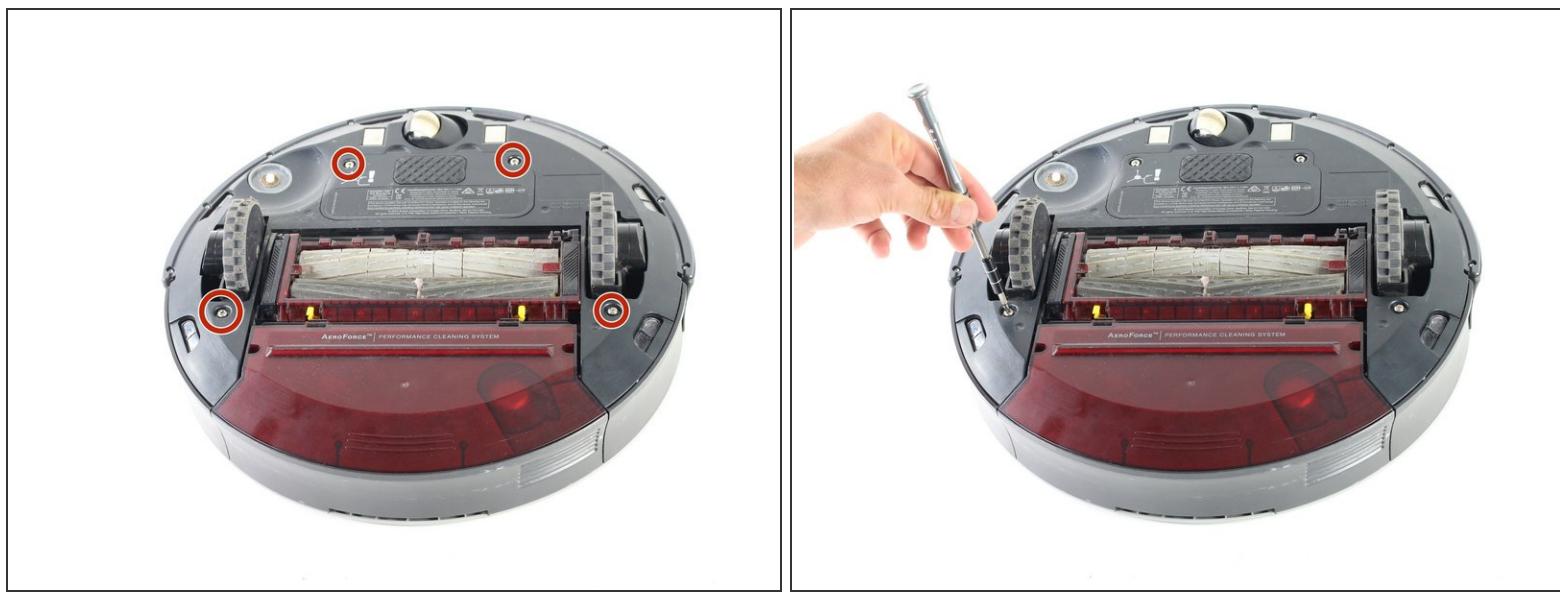
- Use the Phillips #00 screwdriver to remove the four 3.5mm screws that hold down the battery panel and rear panel.

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Step 3

- First remove the battery panel, which is the small rectangular.

- After removing the battery panel, remove the rear panel.

Step 4

- Remove the three small 3.5mm screws fastened to the motor housing.

- After removing the screws, remove the motor housing from the rest of the Roomba.

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Step 5
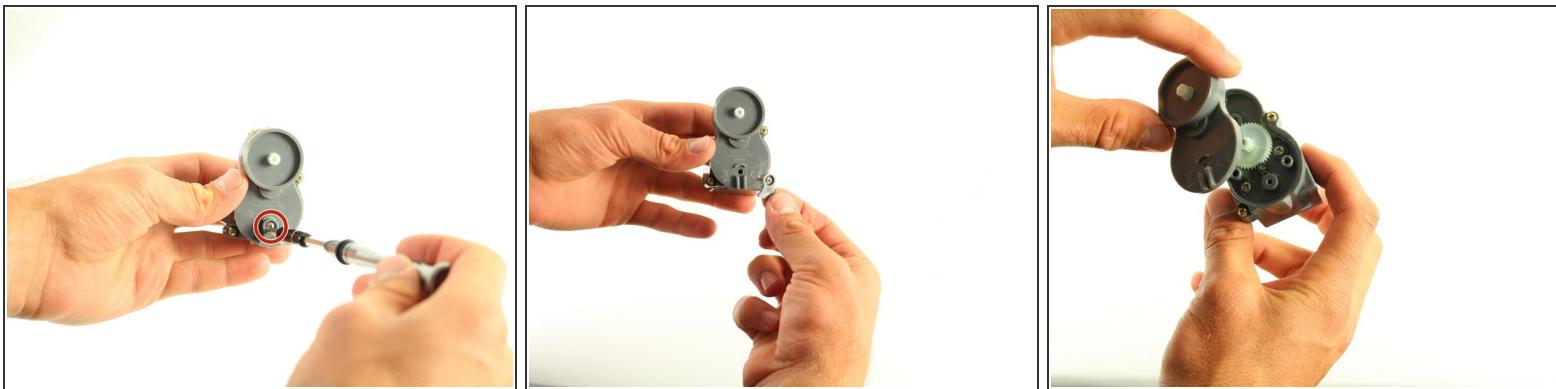
- ● Remove the 2.5mm screw in the center of the motor housing using a Tri-Wing Y1 screwdriver.

- ● After removing the screw, remove the top shell casing of the motor housing. Underneath, you will see a white gear with two screws next to it.

Step 6

- ● Remove the two 2.5mm screws in the inner motor housing using a Phillips #00 screwdriver.

- ● After removing the two screws, the motor will slide right out the back, and it can be replaced.

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

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