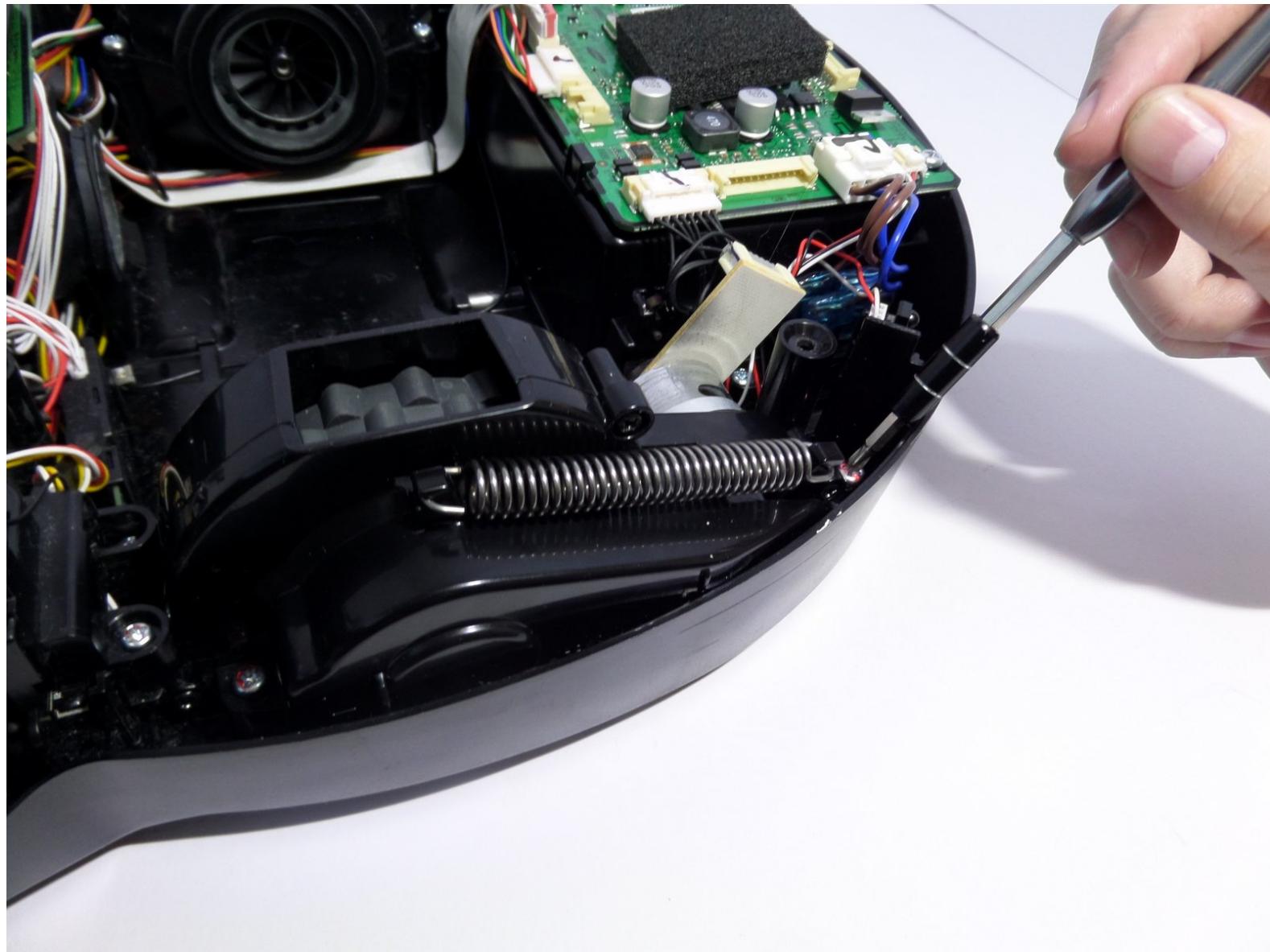




Samsung POWERbot R7070 Left Driving Wheel Replacement

Accessing and replacing the left driving wheel.

Written By: Eric Anderson



INTRODUCTION

Replace the left driving wheel of your POWERbot to end movement problems. To resolve the C 02 error code, replace the left driving wheel.

TOOLS:

- Phillips #1 Screwdriver (1)

Step 1 — Battery



- Turn the emergency switch off.

Step 2



- Remove the two exposed screws on the top right of the device.

Step 3



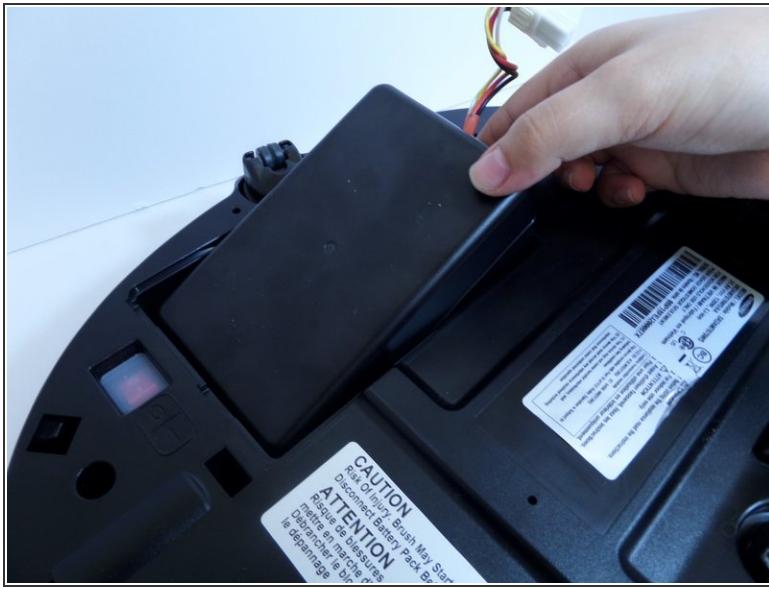
- Lift the cover plate to expose the battery.

Step 4



- Using one hand, pinch the white plastic connector where the battery's wiring connects the POWERbot. Pull up to disconnect.

Step 5



- Lift the battery from the right side, up and out of its compartment.

Step 6 — Motor



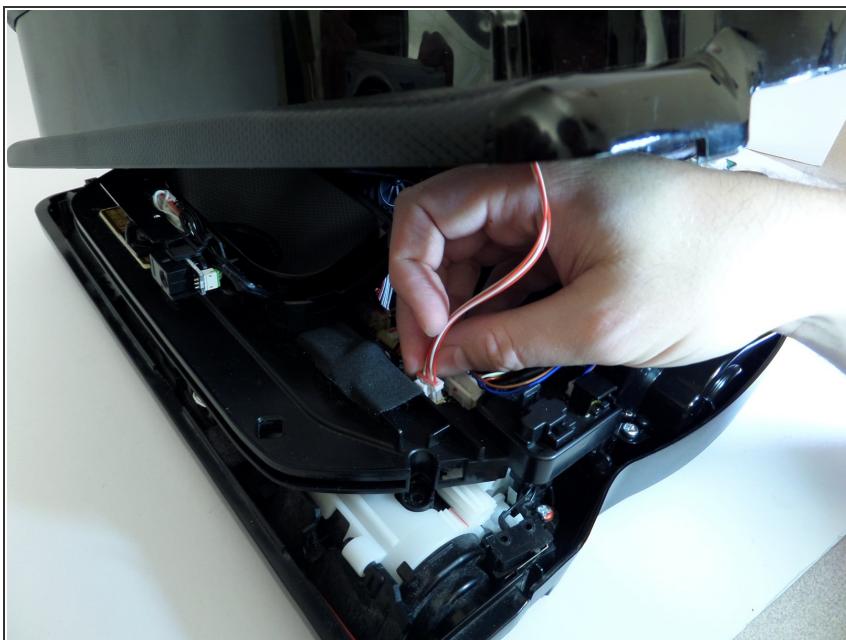
- Unscrew the two silver 1.5 cm screws on the left and right side of the battery compartment.
- Remove the two 1.5 cm screws above the yellow sliding lock tabs.
- Remove the two 1.2 cm screws in the brush compartment.

Step 7



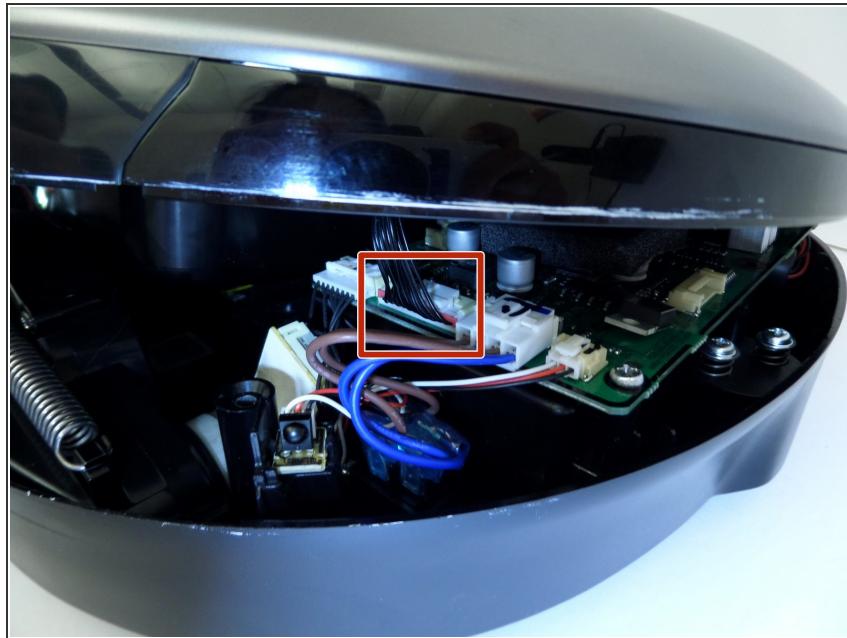
- With moderate force, separate the silver top from the black bottom of the vacuum.
- *(i)* The cover will only separate a few inches as the two halves are connected by wires.

Step 8



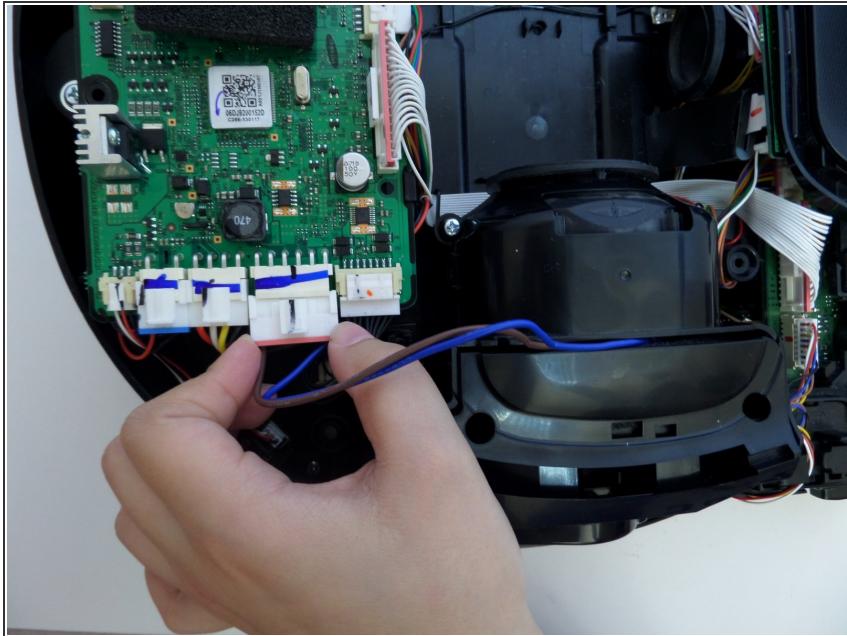
- Disconnect the white and red wired connector attached to the top half of the base of the vacuum by squeezing the connector and pulling up.

Step 9



- Pinching the top and bottom of the black wired connector, pull outward, fully detaching the top from the bottom of the device.

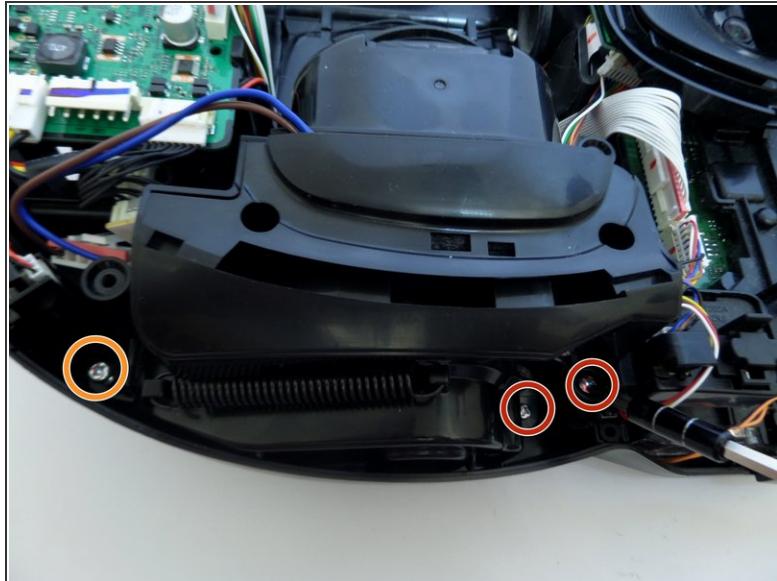
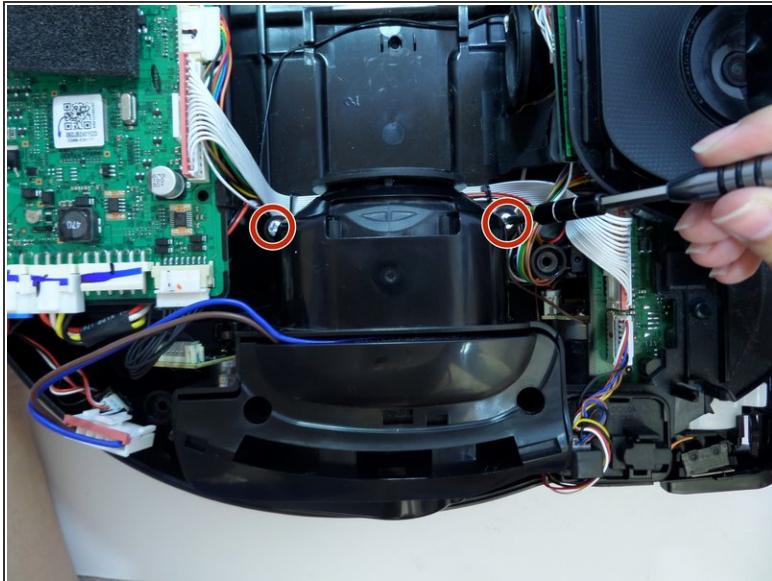
Step 10



- Detach the wide circuit connector on the left side by pinching and pressing down on the right and left side of the clip, pulling the connector out.

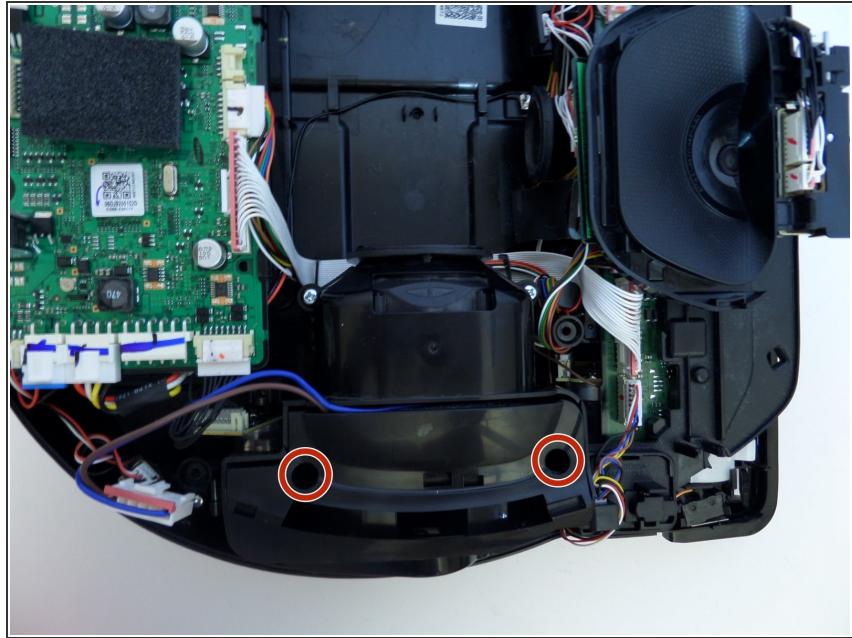
 Pull the connector out by the left and right side of the white clip and not by the wires.

Step 11



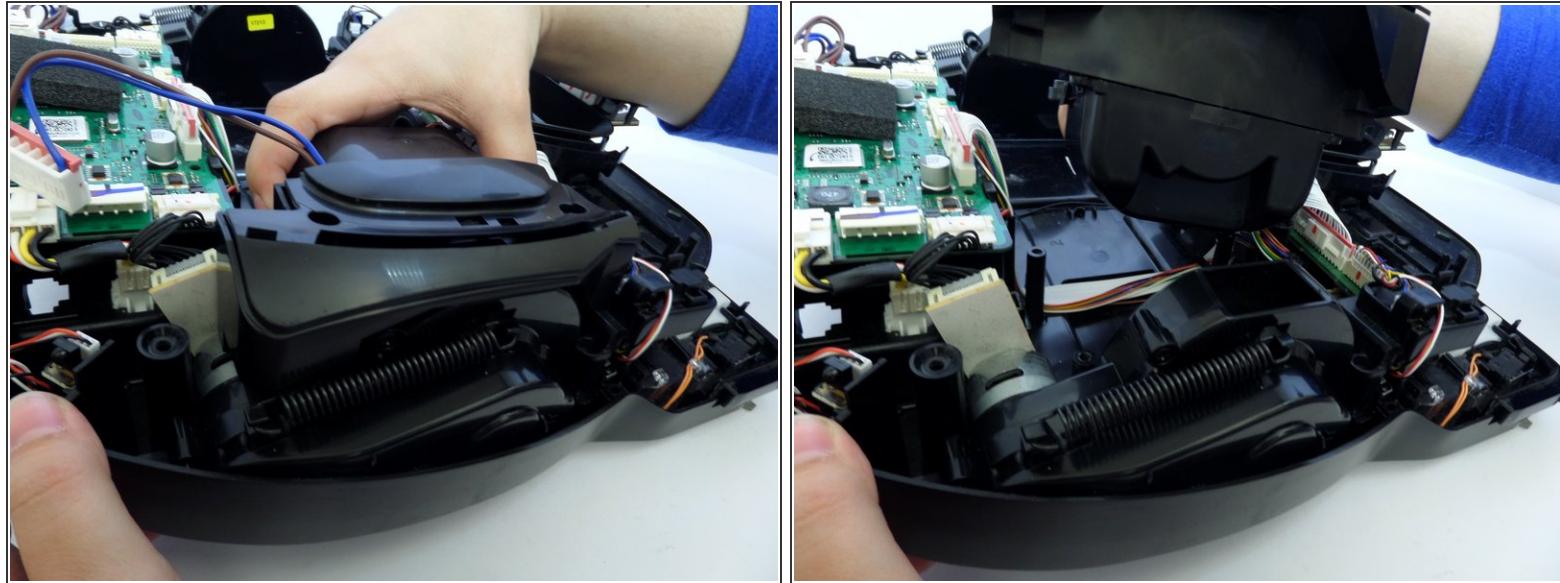
- Remove the four 1.2 cm screws.
- Remove the single 0.8 cm screw.

Step 12



- Remove the two 1.5 cm screws on the motor chamber.

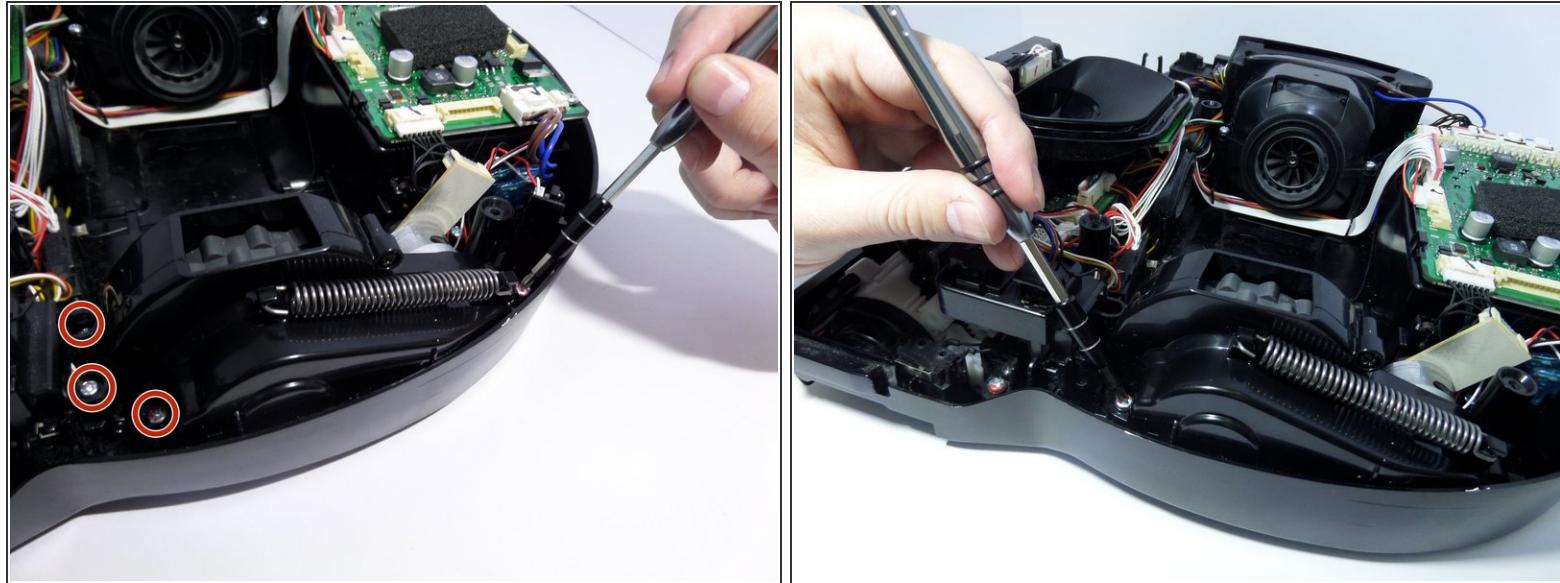
Step 13



- Lift the motor by grabbing the body of the motor, lifting upward.

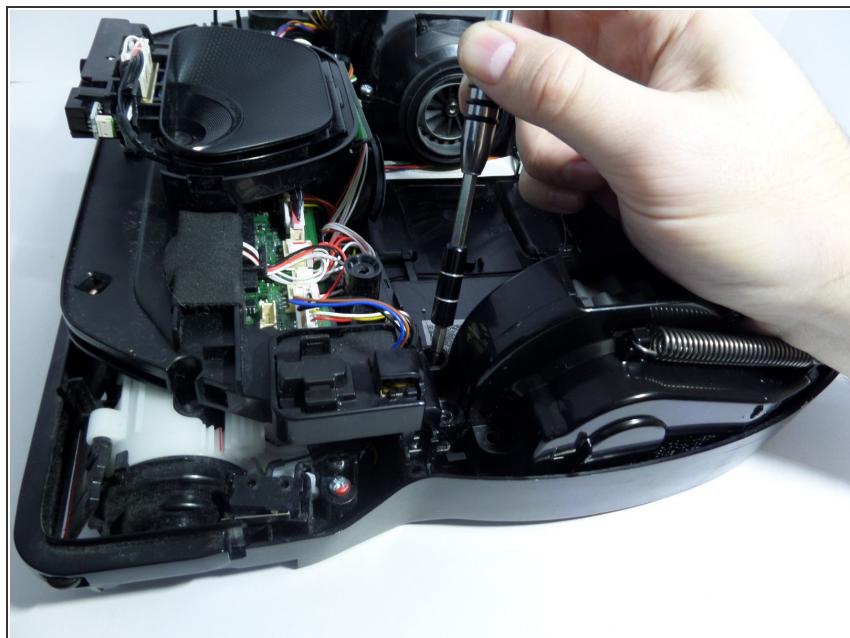
⚠ With the screws removed from the motor chamber the top of the motor chamber will pop open.

Step 14 — Left Driving Wheel



- Unscrew the two screws securing the left and right ends of the wheel casing to the base of the vacuum.

Step 15



- Unscrew the screws securing the black plastic piece to the left of the wheel casing.
- *(i)* This piece is not part of the wheel casing but must be moved out of the way to remove the wheel.
- Lift the wheel casing out of the vacuum base.

Step 16



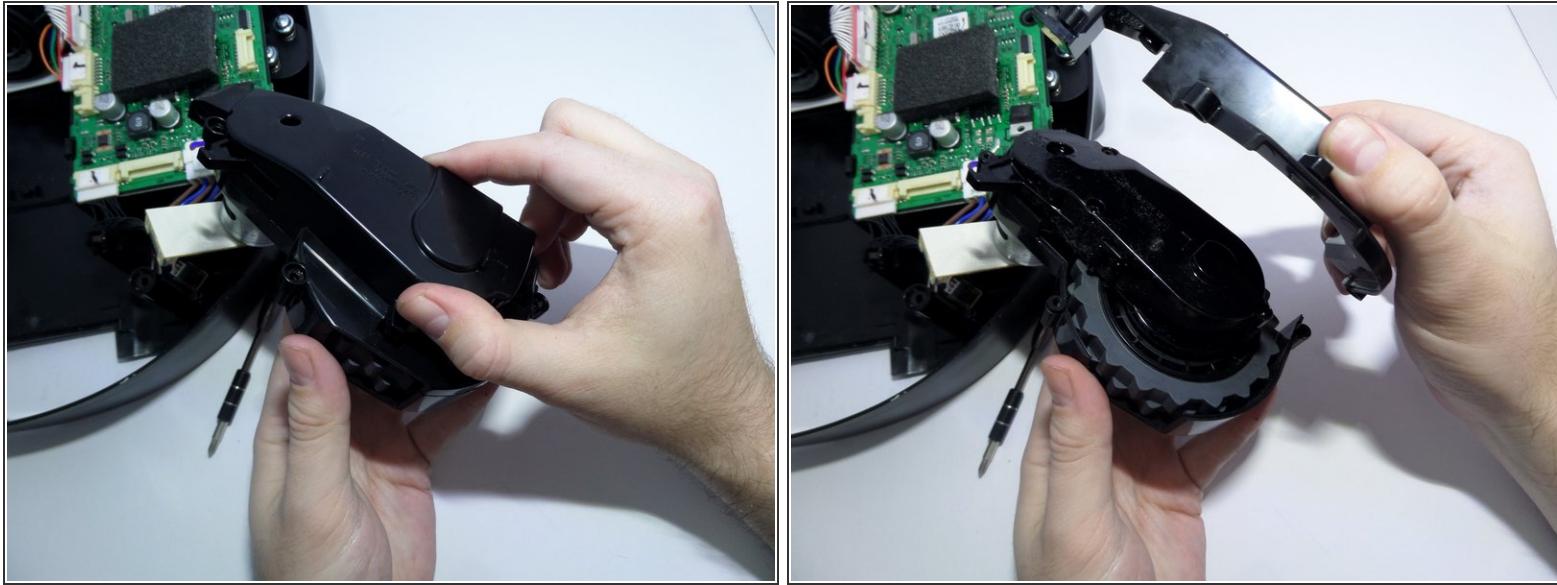
- Arrange the wheel so that the spring is fully retracted.
- Unhook one edge of the spring by carefully pulling the spring towards the hook.
- With the spring unhooked, remove the spring from the wheel casing.

Step 17



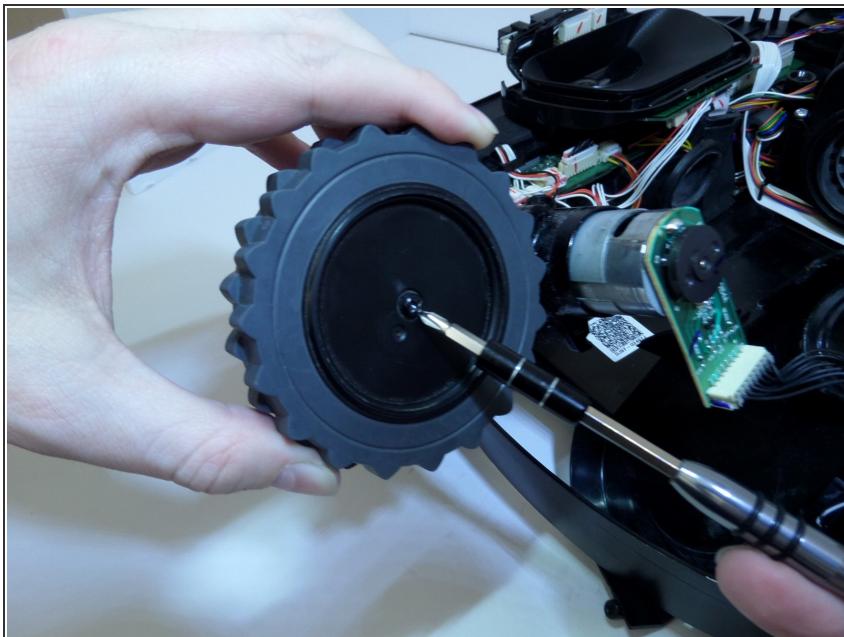
- Remove the screws that are fastening the two halves of the wheel casing together.

Step 18



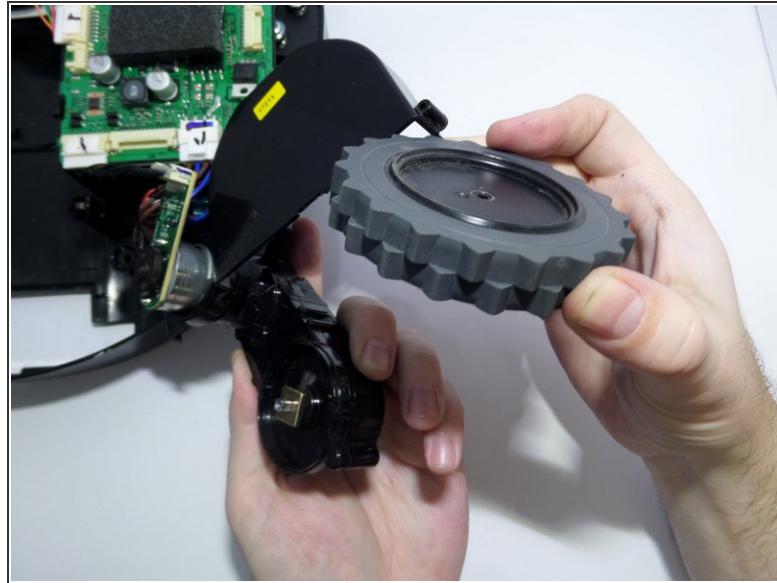
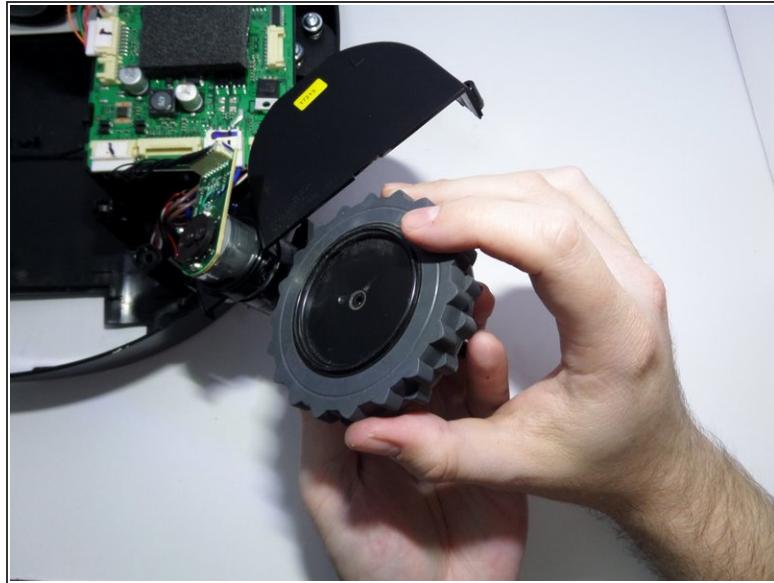
- Open wheel casing.

Step 19



- Unscrew the black 1 cm screw securing the center of the wheel to the remaining half of the wheel casing.

Step 20



- Remove the wheel.

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