



# iRobot Roomba 551 Bumper Sensor Replacement

This guide will provide steps needed to replace the bumper sensor on the iRobot Roomba 551.

Written By: Cody Rhoads



## INTRODUCTION

Is your Roomba banging its head against the wall? Follow this guide to replace the bumper sensor.

### TOOLS:

- **Phillips #1 Screwdriver** (1)
- **Phillips #2 Screwdriver** (1)

## Step 1 — Side Brush



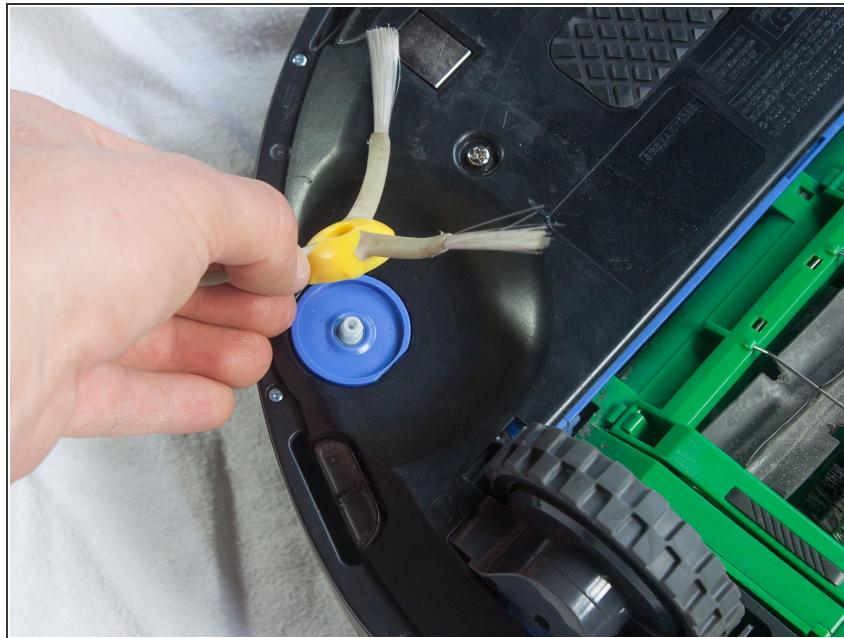
- Place your Roomba upside-down on a hard surface.

## Step 2



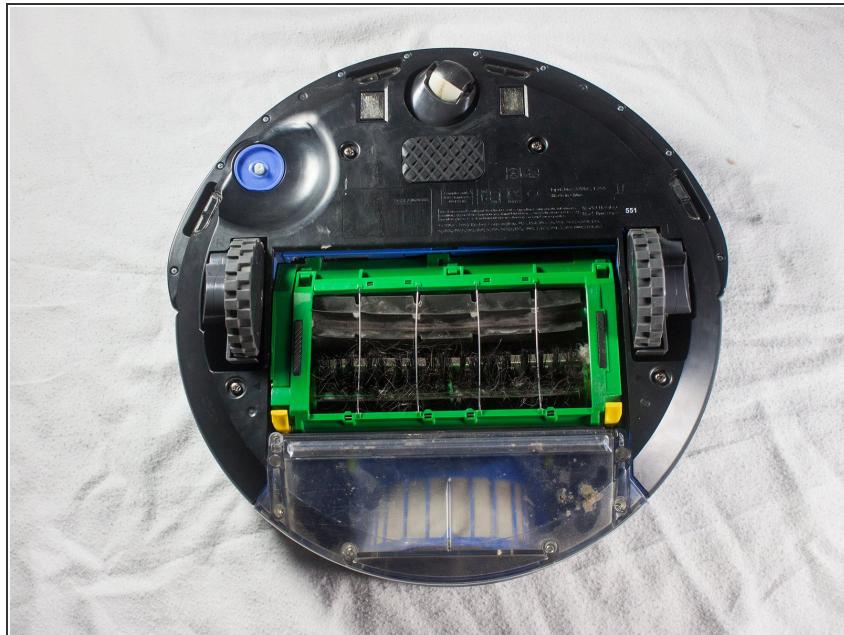
- While holding the side brush in place, use a Phillips #1 screwdriver to remove the 4.5mm screw from the center of the brush.

## Step 3



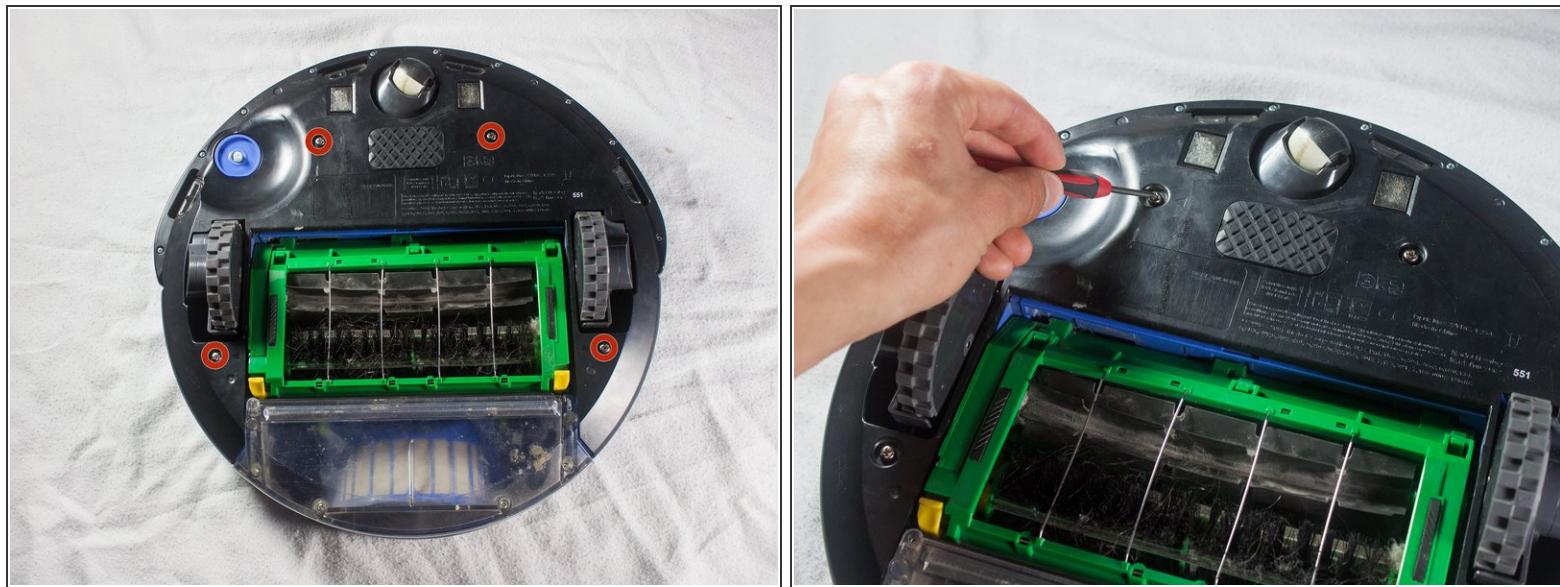
- Gently pull upwards on the brush to remove it.

## Step 4 — Bottom Plate



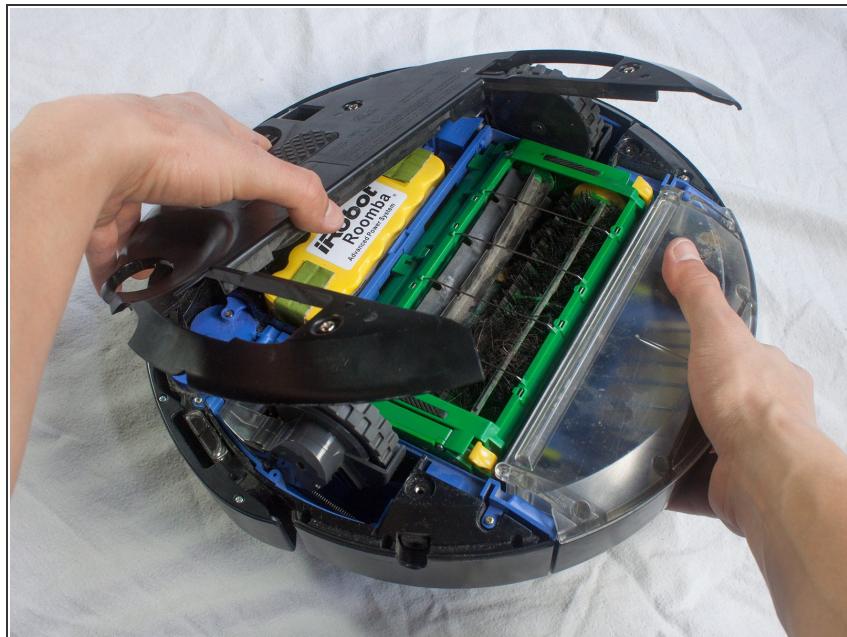
- Rotate the Roomba upside-down so the bottom is facing towards you.

## Step 5



- Using a Phillips #2 screwdriver, remove the captive screws that hold the bottom plate in place.

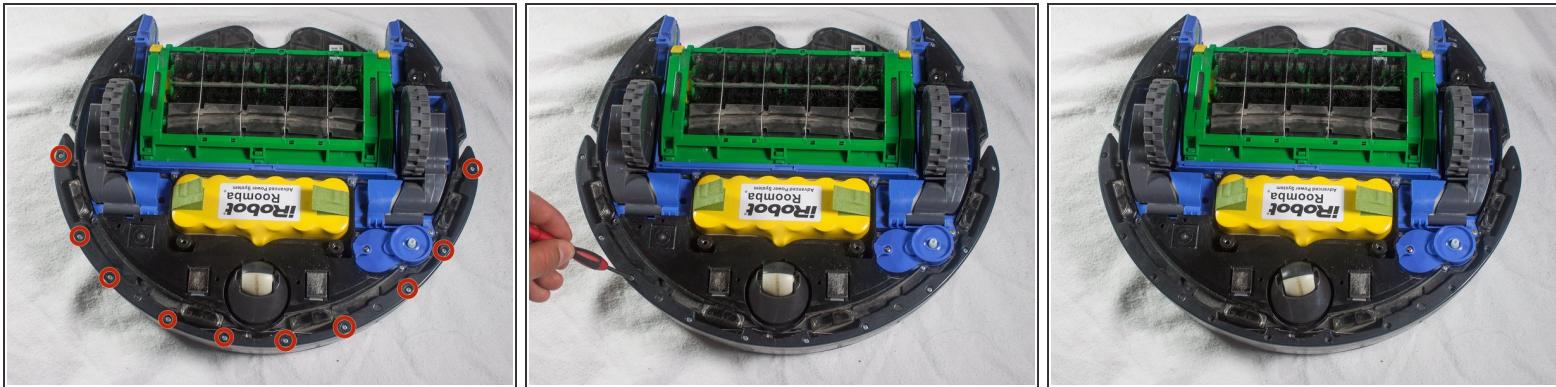
## Step 6



- Carefully lift the bottom plate.

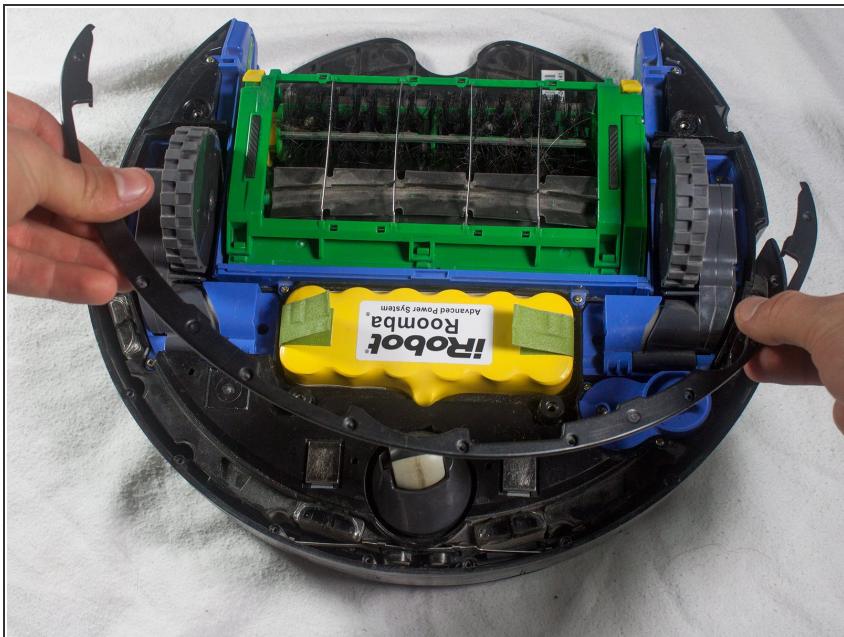
**⚠** The battery is only secured in place by the bottom plate, and may fall out once the bottom plate is removed.

## Step 7 — Bumper



- With a Phillips #1 screwdriver, remove the ten 12mm screws located along the bottom of the bumper.

## Step 8



- Lift the bottom cover and set it to the side.

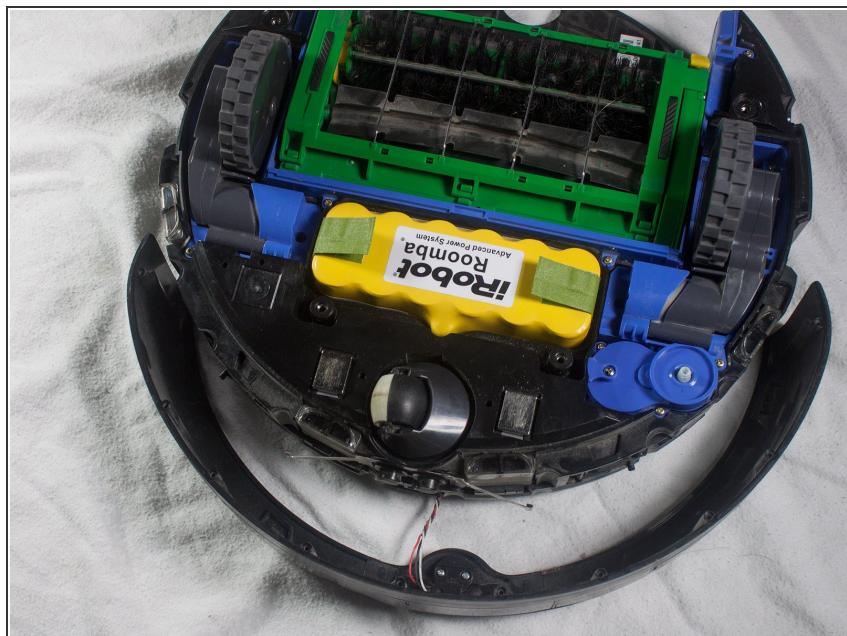
## Step 9



- Flip the Roomba over, grasp the bumper, and gently lift to remove.

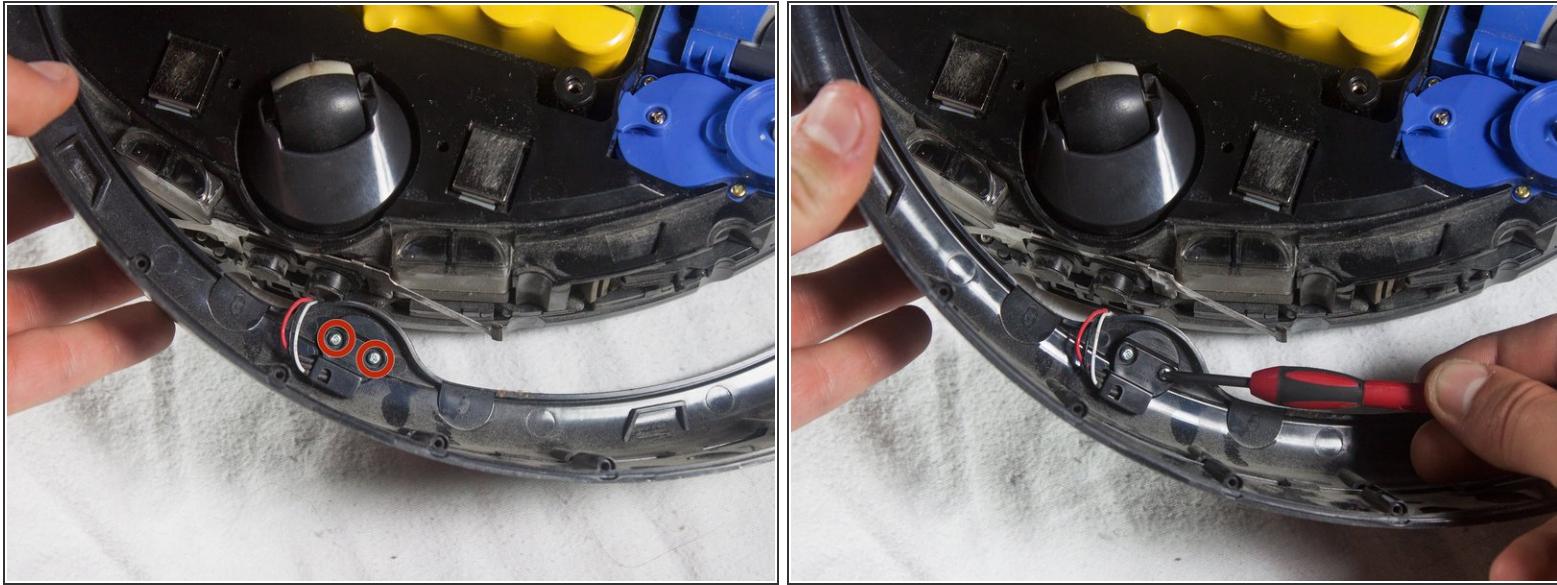
**⚠** The battery is not secured in place once the bottom plate has been removed, and may fall out when the Roomba is turned right-side up.

## Step 10 — Bumper Sensor



- Flip the Roomba so that the bottom is facing you.

## Step 11



- Remove the two 5mm screws located near the center of the bumper using a Phillips #1 screwdriver.

## Step 12



- Pull gently on the bottom of the sensor to remove.

## Step 13



- Flip the bumper over and lift the sensor from its compartment.
- You are now free to replace the bumper sensor.

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