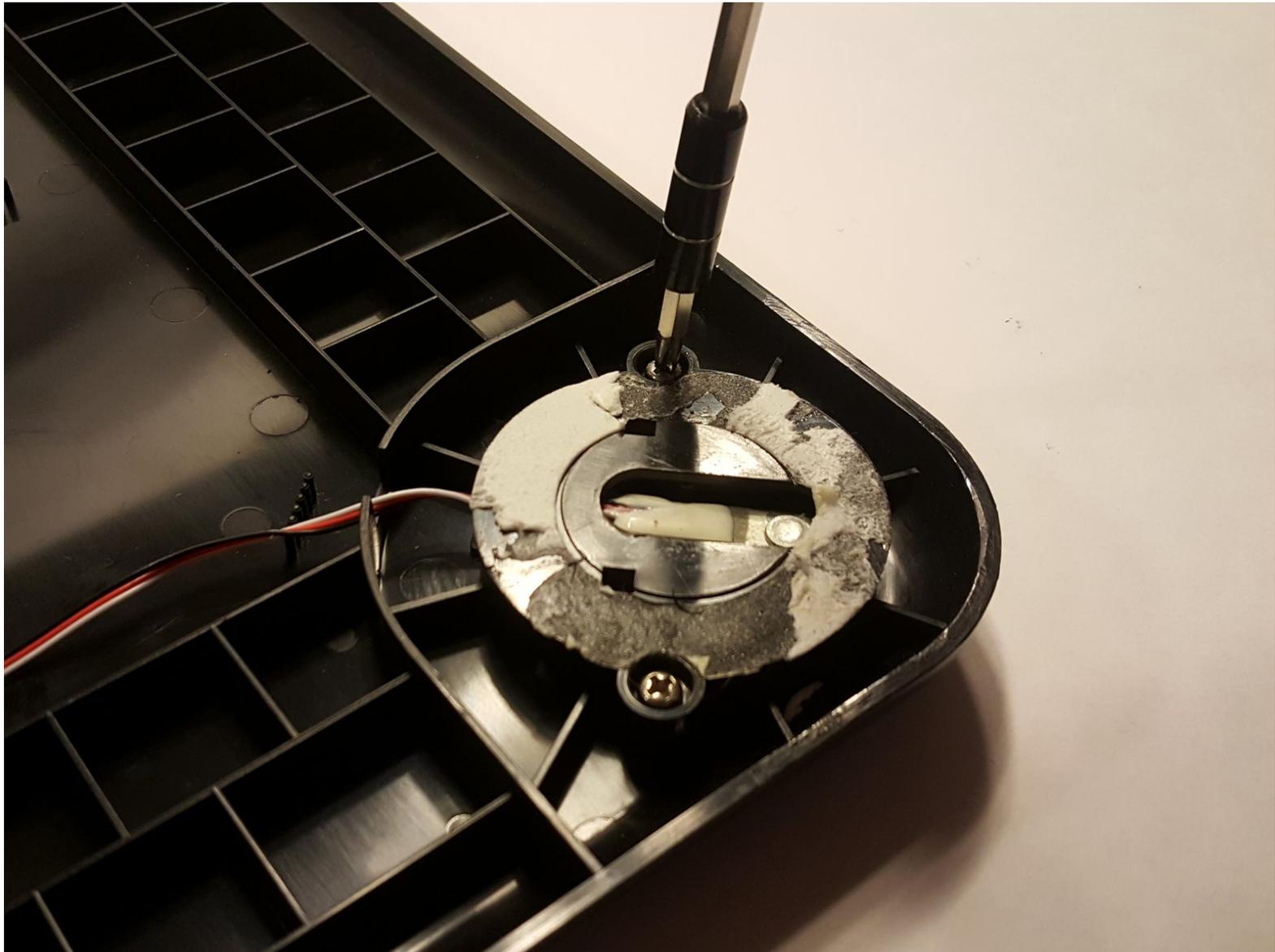




# Withings Smart Body Analyzer Pressure Sensor Replacement

Replacing the pressure sensors on the Withings Smart Body Analyzer.

Written By: Ashley Dauphinee



---

## INTRODUCTION

This guide will demonstrate how to replace pressure sensors on the Withings Smart Body Analyzer WS-50. There are four pressure sensors located within this device. One pressure sensor is located at each corner of the device. The pressure sensors are what allow the scale to correct determine weight. Our easy to follow guide will run you through all the necessary steps to remove these sensors.

---

### TOOLS:

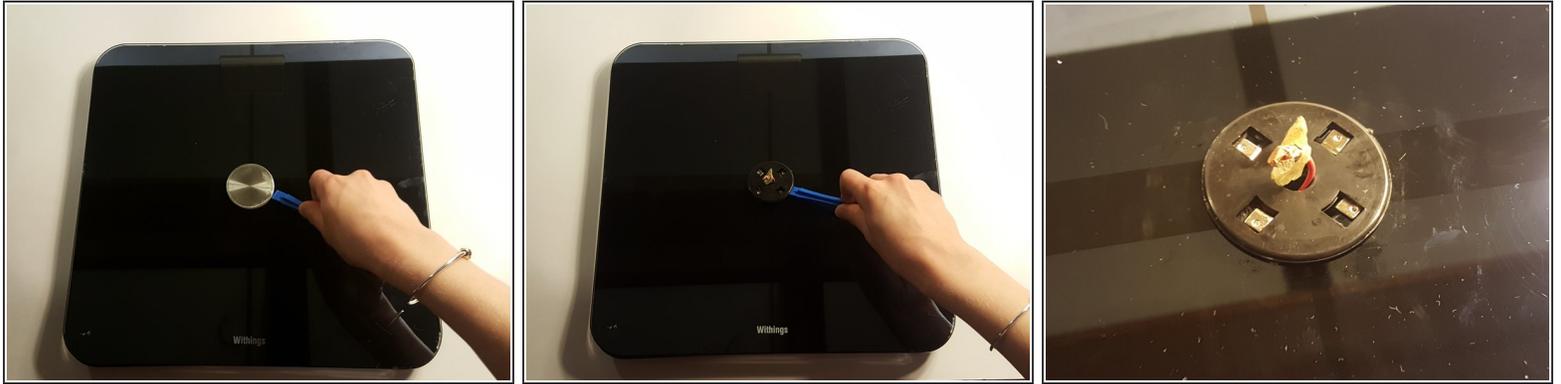
- [Spudger](#) (1)
  - [Phillips #1 Screwdriver](#) (1)
  - [Portable Soldering Iron](#) (1)
  - [Desoldering Braid](#) (1)
  - [Solder](#) (1)
-

## Step 1 — Withings Smart Body Analyzer Disassembly



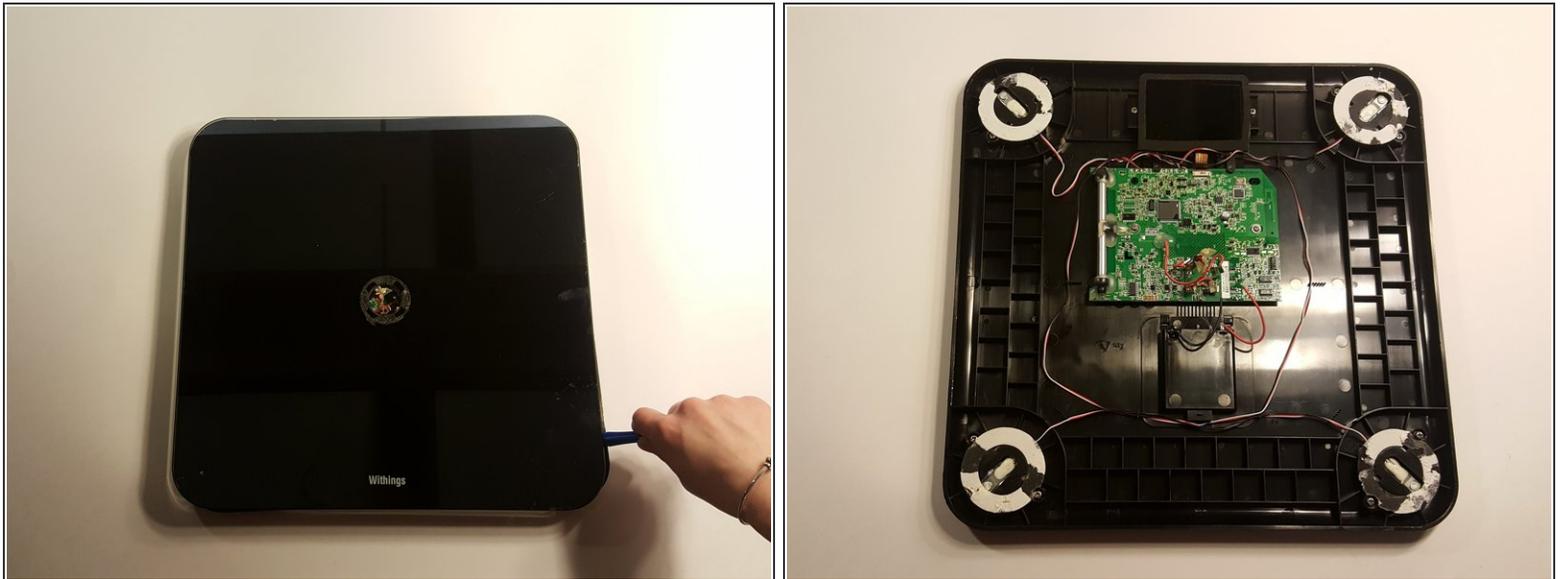
- Push the battery door
- Open the compartment
- Gently remove the batteries from their designated positions
- Place them aside, away from the reach of children

## Step 2



- With caution, insert the plastic opening tools in between the disk and the glass face
- It's a tight fit, so don't be afraid to apply a little bit of force
- As soon as you hear a faint crackling sound, that means that the adhesive is budging out of place
- Gently rotate the plastic spudger around the disk to get around the adhesive
- Gently lift the metal disk
- After the disk has been lifted, a wire and a small copper plate can be seen attached to the back of the disk
- Carefully remove the wire and plate by peeling back the adhesive sticker that has been positioned around them

### Step 3



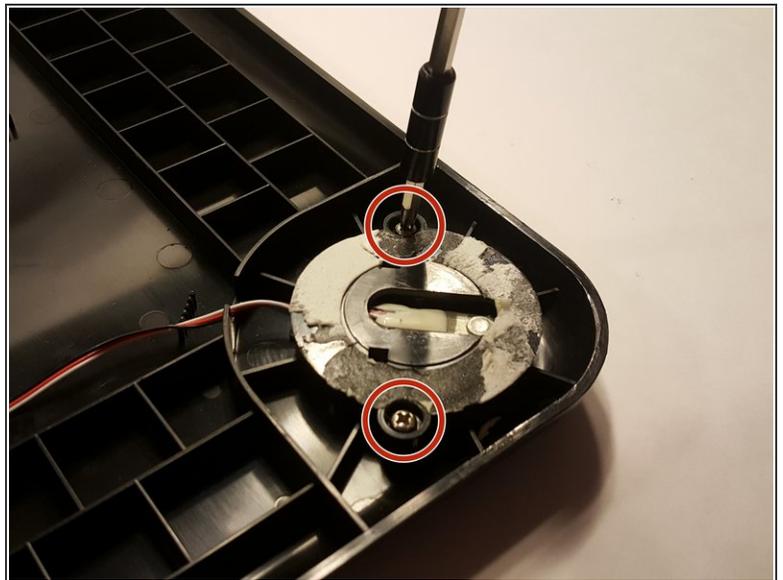
- After all the above steps have been completed, proceed by removing the glass face
- Carefully insert a plastic spudger in the small gap that exist in between the glass face and the plastic back
- Run the plastic spudger all around the scale to increase the gap size
- Place a plastic spudger in every corner, since the feet of the scale are also attached to the glass face using adhesive
- Carefully insert the metal spudger underneath the adhesive that is located underneath the feet of the scale, and gently keep pushing until the adhesive is out of place
- Repeat the above steps four times
- After all the adhesives has been removed, gently lift the glass face off

## Step 4 — Pressure Sensor



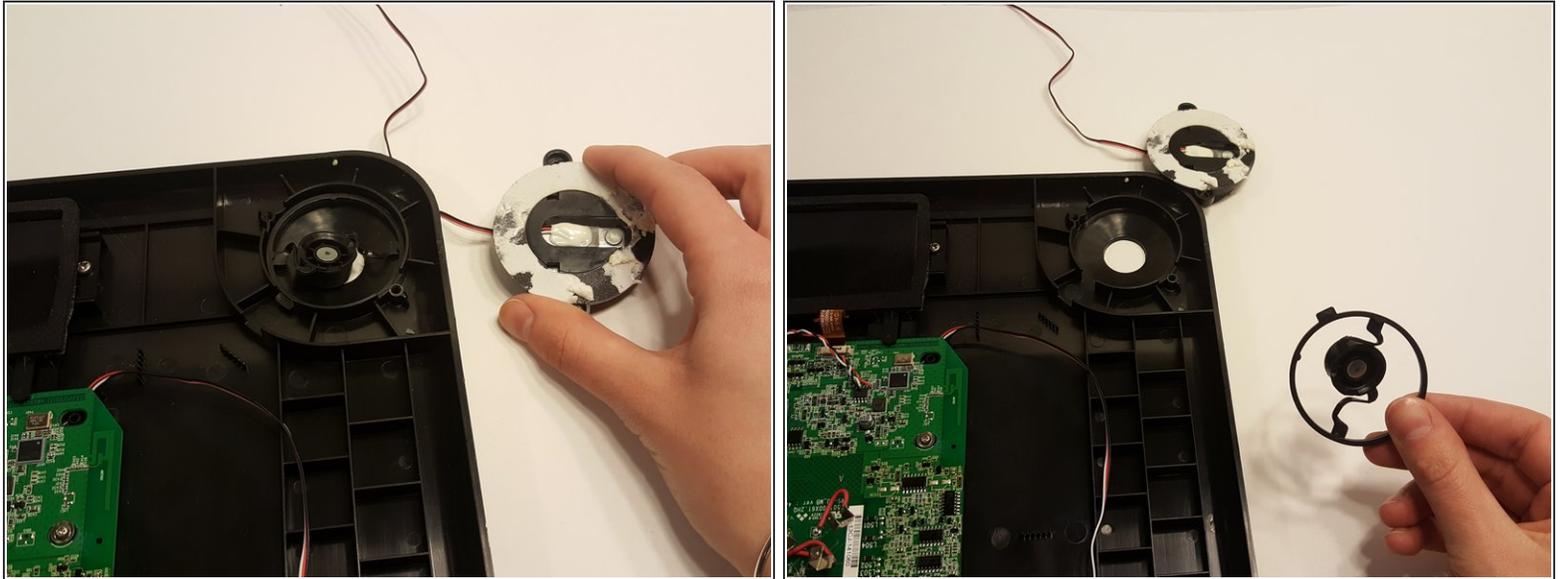
- Notice the red and black wires connecting the circuit board to each of the pressure sensors.
- Using a soldering iron and desoldering braid, remove the soldered red and black wires from the circuit board

## Step 5



- Use a Phillips-head screwdriver to remove the screw from the sensor. There will be two screws per sensor.

## Step 6



- Remove any sensors you need and you are now ready to replace or repair depending on your needs.

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