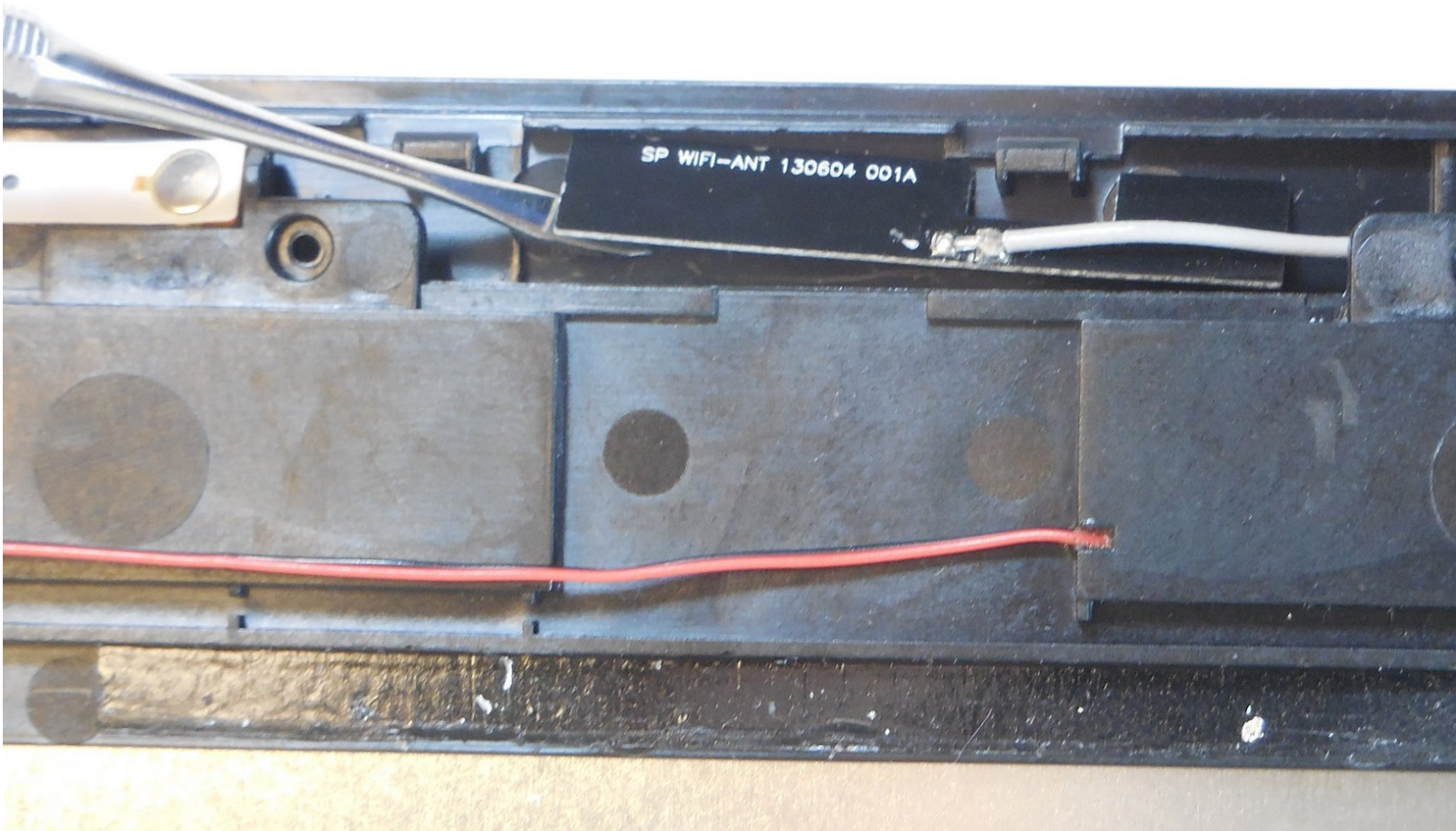




# Insignia Flex 8 Antenna Replacement

If you can no longer get good WIFI connections you may need to replace the antenna in your Insignia Flex 8 tablet. This guide does require some soldering.

Written By: Grace Gerke



# INTRODUCTION

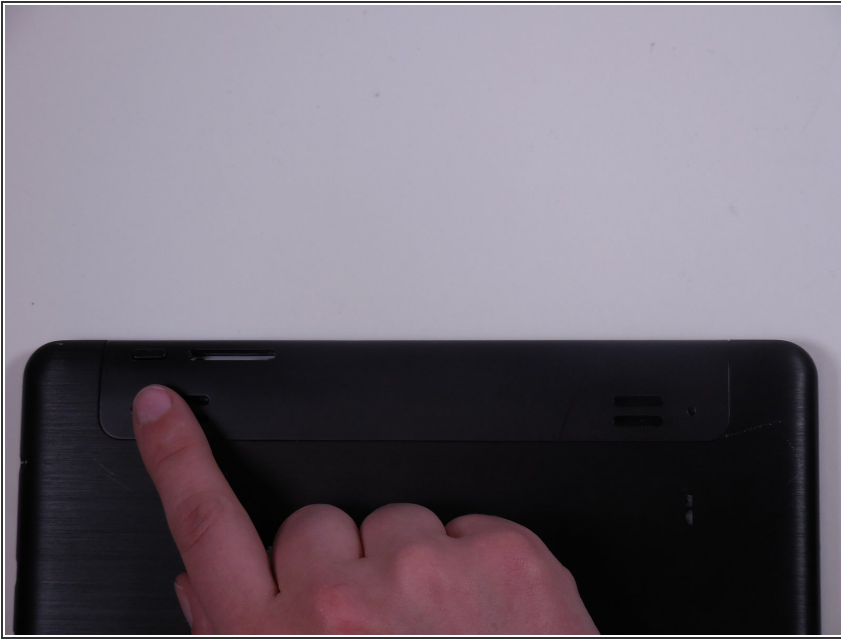
This guide will show you how to replace the antenna in your Insignia Flex 8 tablet, enhancing your WIFI connections.

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## TOOLS:

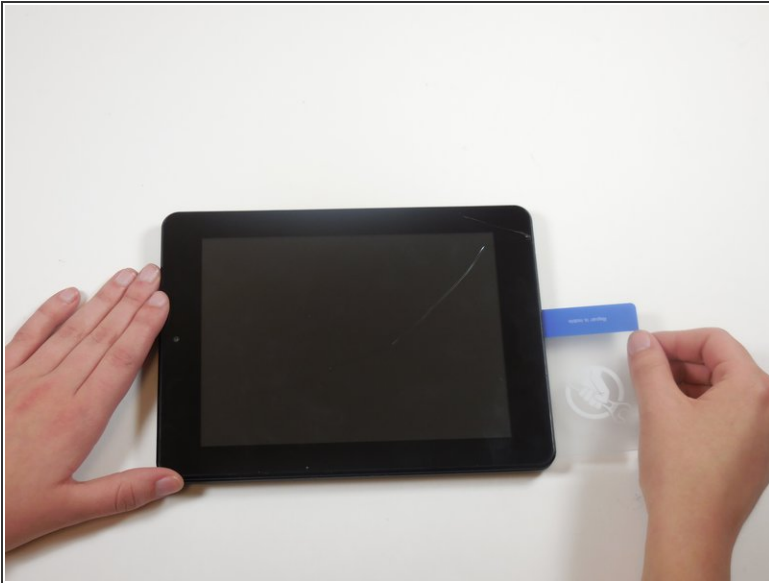
- [Phillips #00 Screwdriver](#) (1)
  - [Plastic Cards](#) (1)
  - [Spudger](#) (1)
  - [Soldering Workstation](#) (1)
-

## Step 1 — Circuit Board



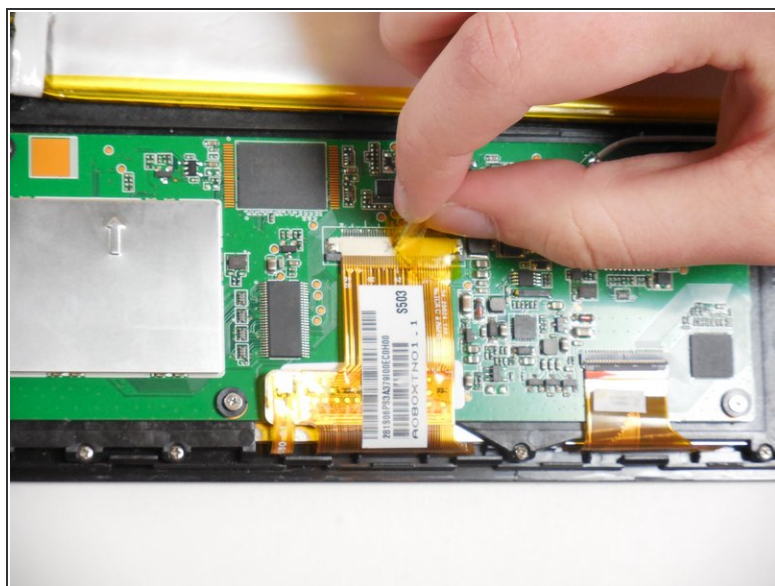
- ⚠ Turn off the power to your tablet to avoid injury.
- ℹ Position the tablet so that the screen is face down and the power button is located in the upper left hand corner.
- Hold down the power button for five seconds until the tablet powers down.

## Step 2



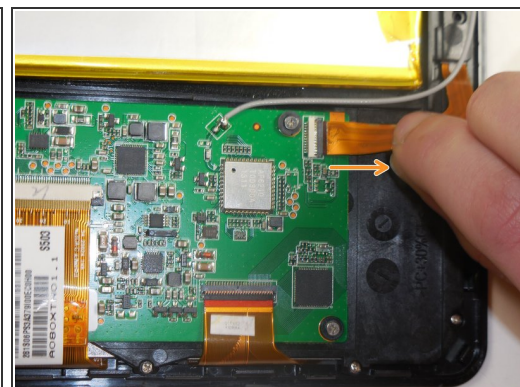
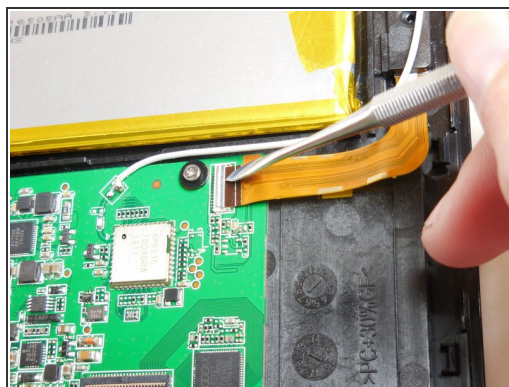
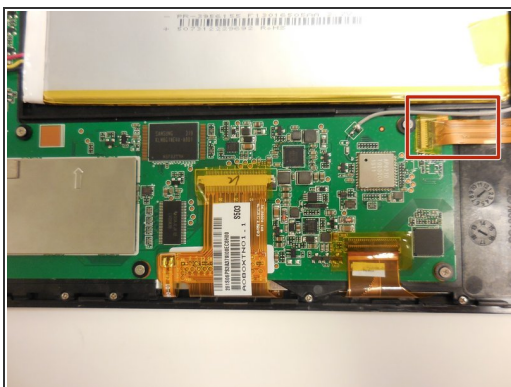
- Remove the back casing from the screen by sliding a credit card or a similarly thin but firm object in between the casing and the screen.
- ⓘ You may need to use a spudger to initially create separation between the screen and the casing.
- ⓘ Run this object around the perimeter of the tablet until there is separation between the casing and the screen.
- Remove the back casing and set aside.

## Step 3



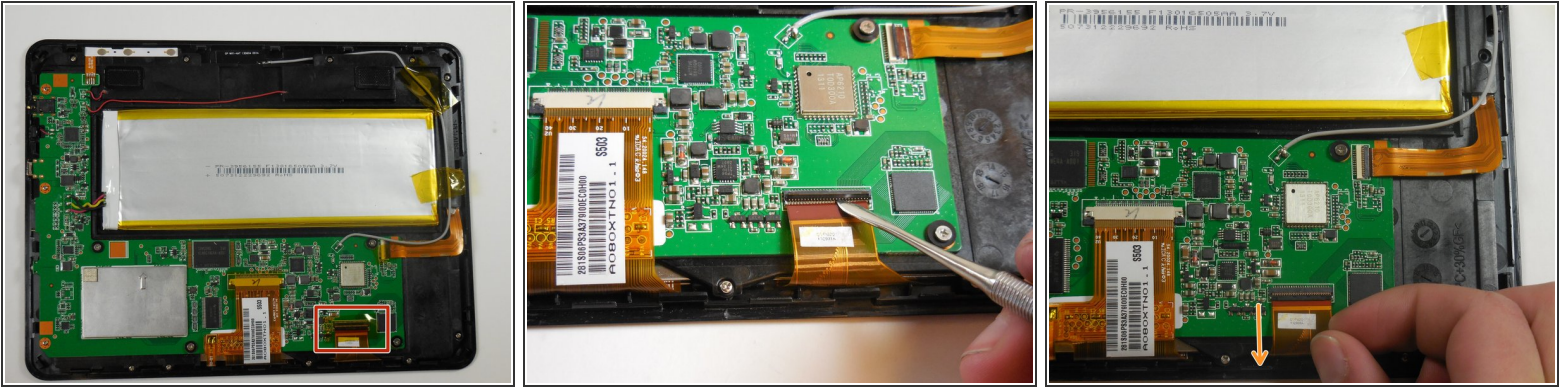
- Peel tape off of ribbon connectors. Starting at the power button, work clockwise around the tablet.

## Step 4



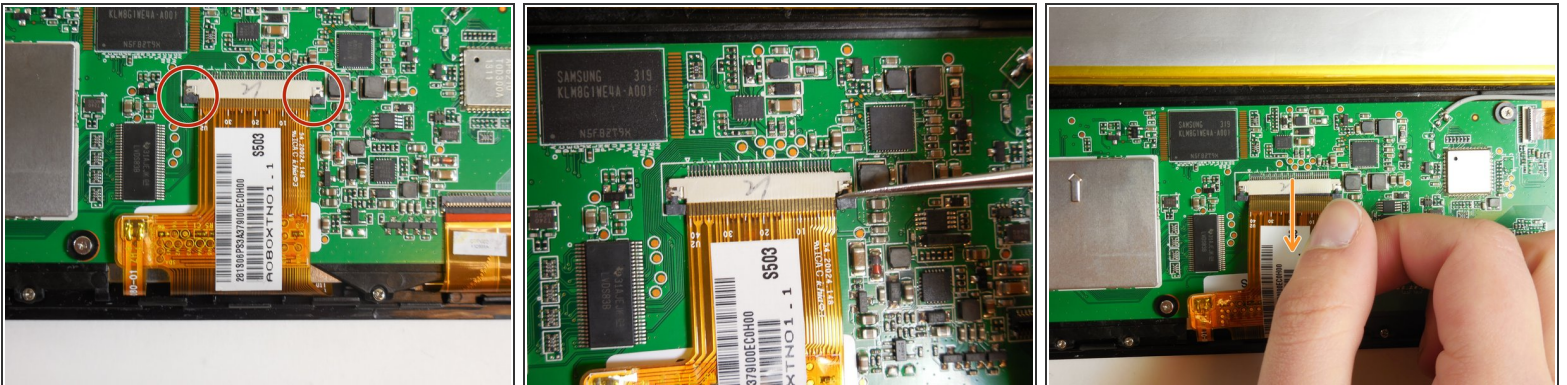
- To remove the camera ribbon cable, lift the flap using a spudger.
- Pull the ribbon directly back to release it.

## Step 5



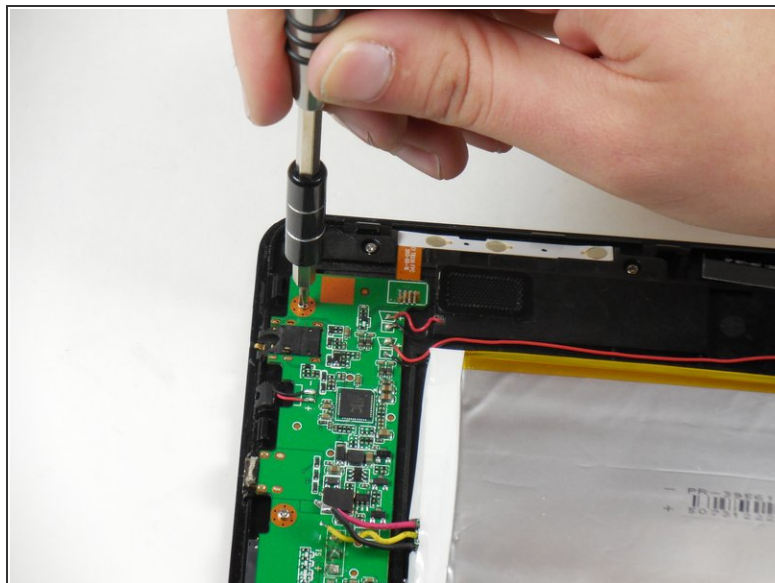
- Remove the second ribbon cable by prying up the black flap using a spudger.
- Pull the ribbon cable horizontally directly away from the battery.

## Step 6



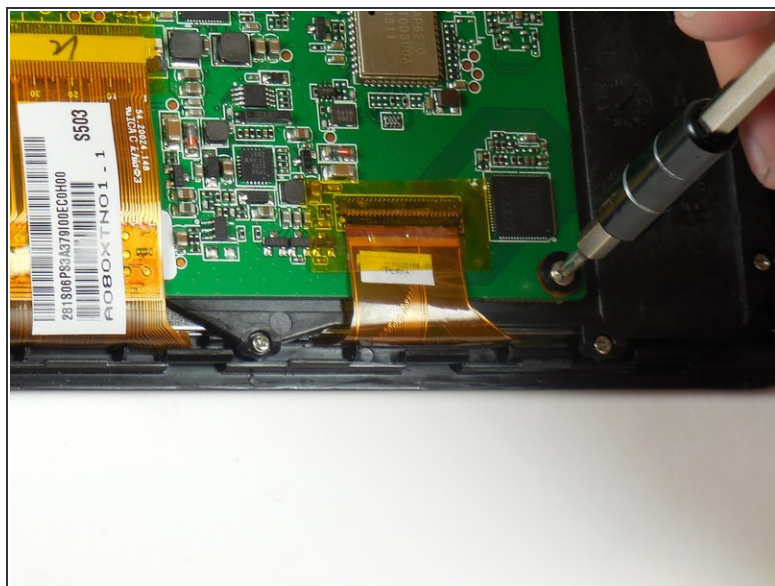
- Remove the final ribbon cable by pulling back the two black tabs on either side of the ribbon cable.
- Pull the ribbon horizontally directly away from the battery.

## Step 7



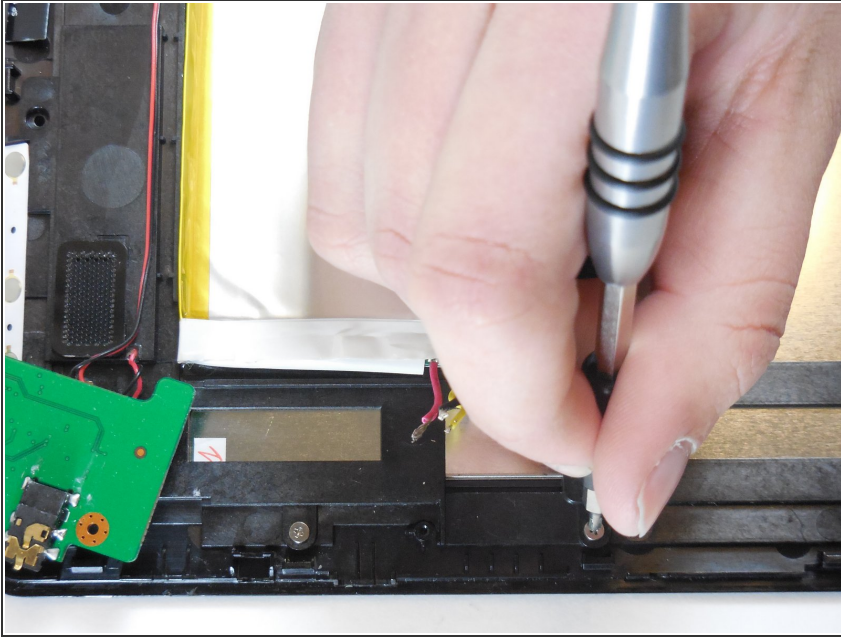
- Unscrew the thirteen 4.75mm screws around the perimeter of the tablet using a PH 00 screwdriver.

## Step 8



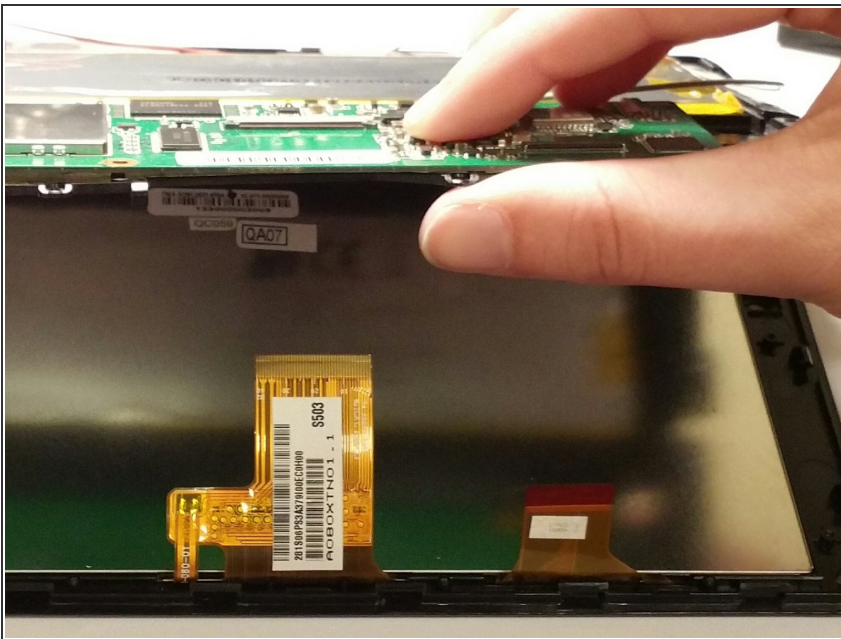
- Unscrew the four 3.75mm screws and plastic washers using a PH 00 screwdriver.
- Lift up the circuit board.

## Step 9



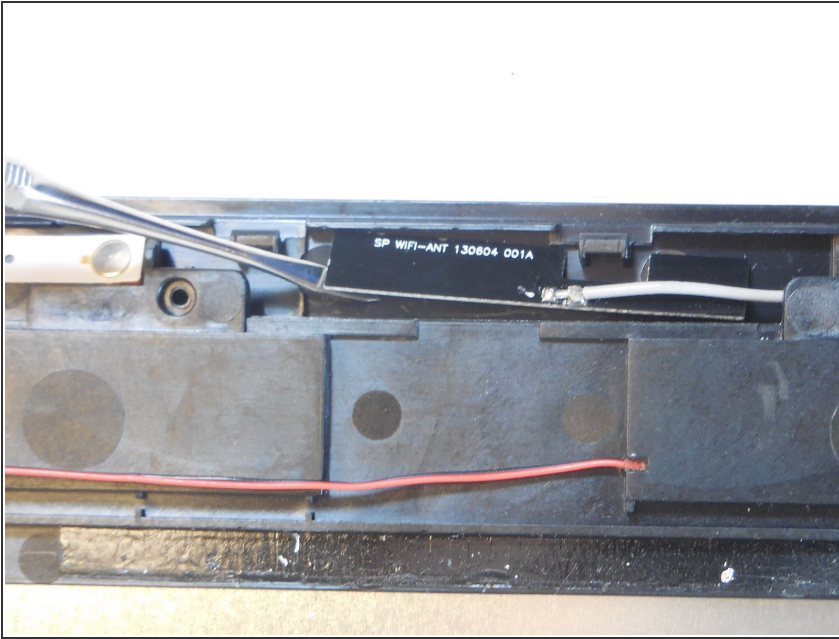
- Unscrew the final two screws that were underneath the circuit board.
- ⓘ These screws are near the charging port and USB adapter.
- ⓘ These screws are also 3.75mm and can be interchanged with the second set of screws only.

## Step 10



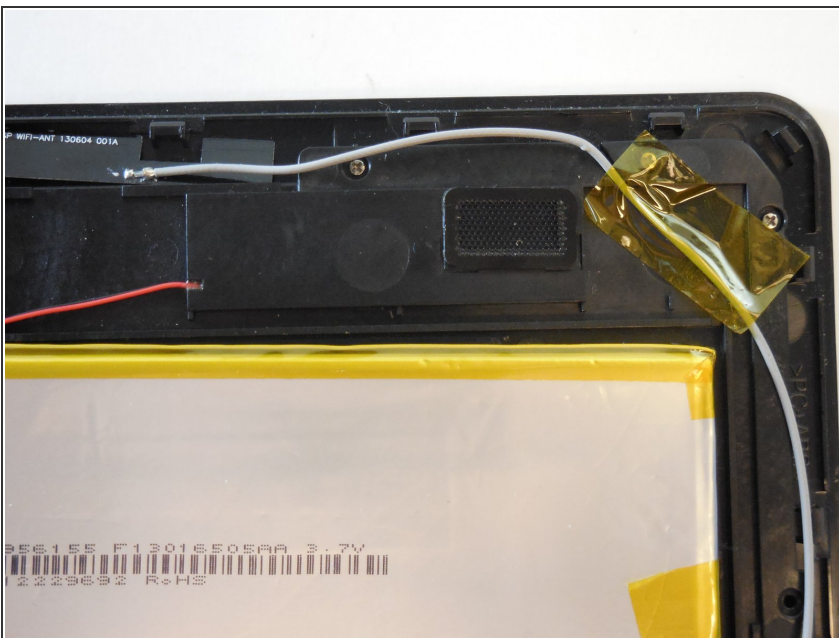
- Lift the circuit board and black internal mounting piece away from the screen.
- Set the circuit board aside.
- ⚠ Be careful of the soldered antenna as you separate the pieces.
- ⚠ Be careful of the soldered ribbon that is connected to the power source. This ribbon is fragile.

## Step 11 — Antenna



- Pry black antenna unit away from the back of the screen.

## Step 12



- Remove tape from attached wire.

## Step 13



- Desolder antenna wire from circuit board.
  - [Desoldering Guide](#)
- ⚠ Use caution when using the soldering gun. DO NOT touch any of the other components on the circuit board or the battery.

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