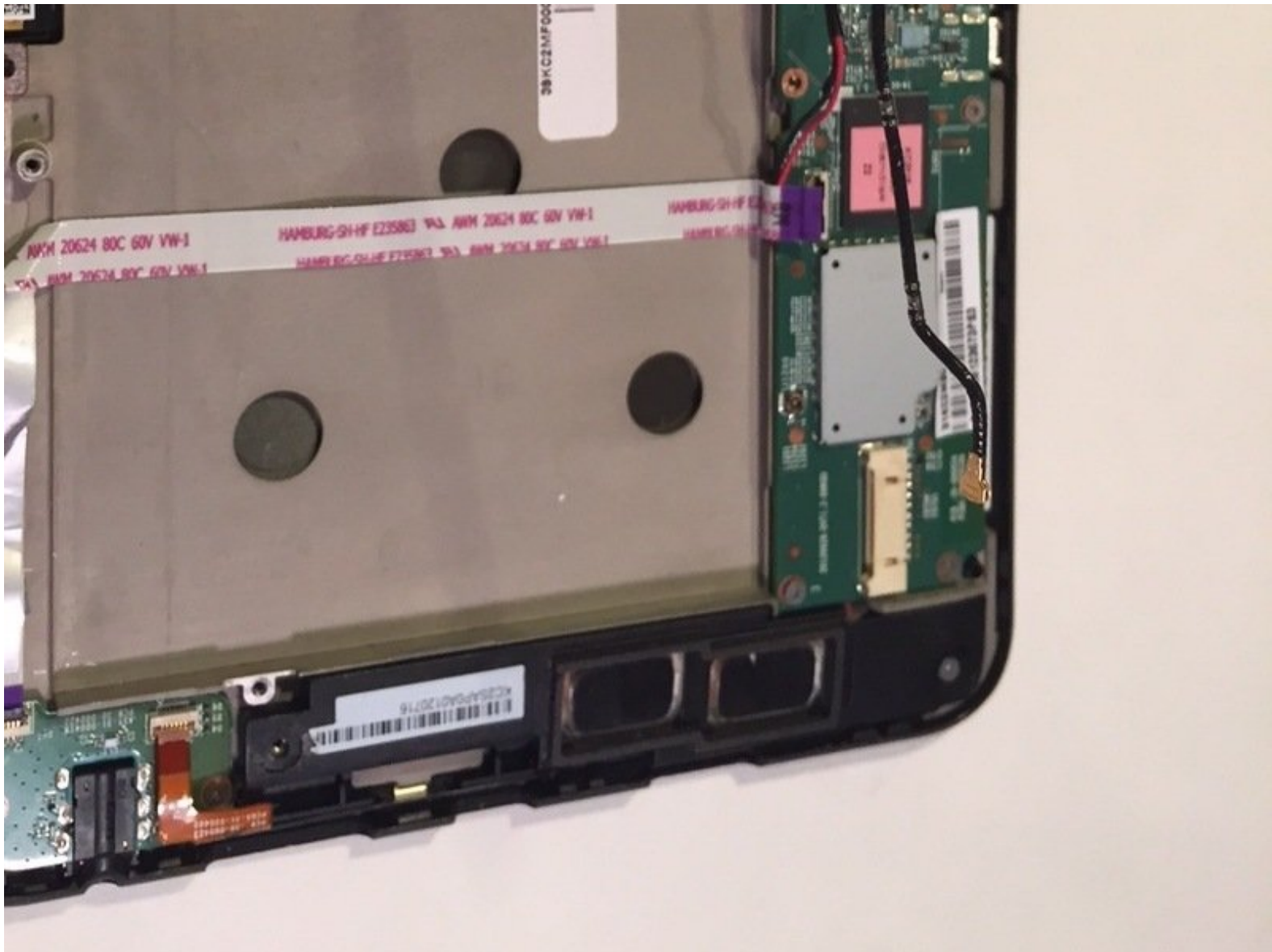




# Kindle Fire HD 2012 Speakers Replacement

This guide will show the user how replace the left and right speakers.

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## TOOLS:

- [Tweezers](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [T5 Torx Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Phillips #000 Screwdriver](#) (1)



## PARTS:

- [Kindle Fire HD 7" \(2012, 1st Gen\) Left Speaker](#) (1)
- [Kindle Fire HD 7" \(2012, 1st Gen\) Right Speaker](#) (1)

## Step 1 — Speakers



- Using the plastic opening tool, carefully insert the opening tool on all four corners of the Kindle Fire and lift up until you hear a slight popping noise

## Step 2



- Using the plastic opening tool, start from one corner and go around the Kindle Fire using the tool in a down and up motion to continue to pop off the backing.

## Step 3



- The Kindle Fire could possibly have tape on the inside, so take caution and look before attempting to remove the back.
- After you lift all four corners and you check for tape, it is safe to proceed.



## Step 4



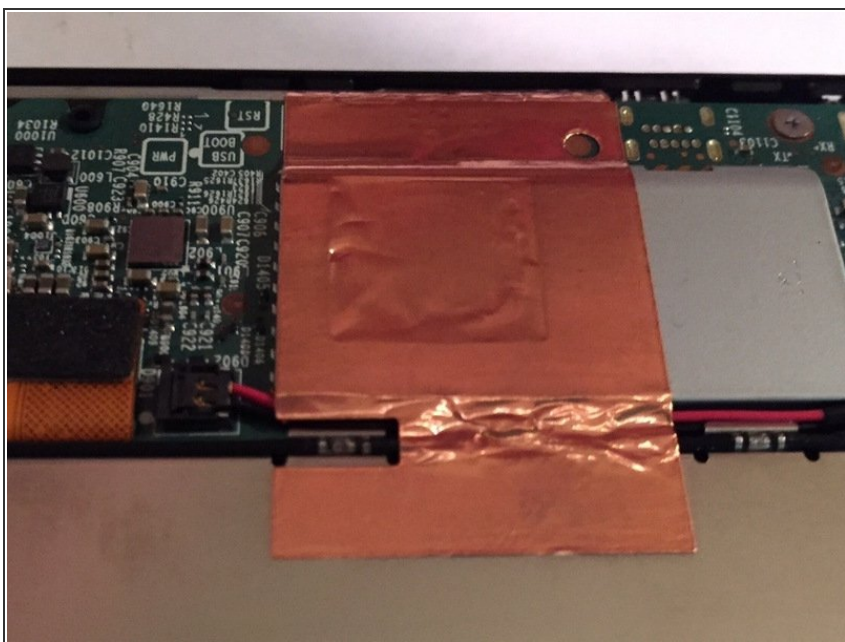
- Once all the plastic clips holding the screen to the plastic back of the Kindle Fire are separated, the back should be safe to lift up completely.

## Step 5



- Locate the 4 Phillips #00 screws and use the Phillips head screwdriver to unscrew them.

## Step 6



- If your device has copper tape attached to the battery, carefully peel it off the battery.

## Step 7



- Locate the antenna cable connector which is easier to find if you look for the gold tipped black wire that surrounds the battery.

## Step 8



- Lift and pull up the power connector cable that surrounds the battery

## Step 9



- Locate the 1 T5 Torx screw and unscrew it.

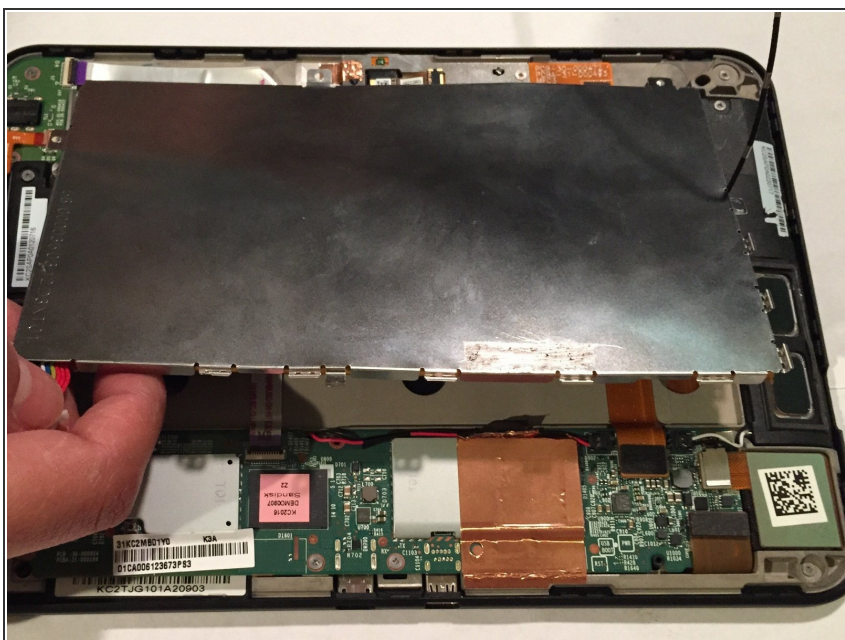


## Step 10



- Use the plastic opening tool to remove the plastic piece that connects the wires to the motherboard

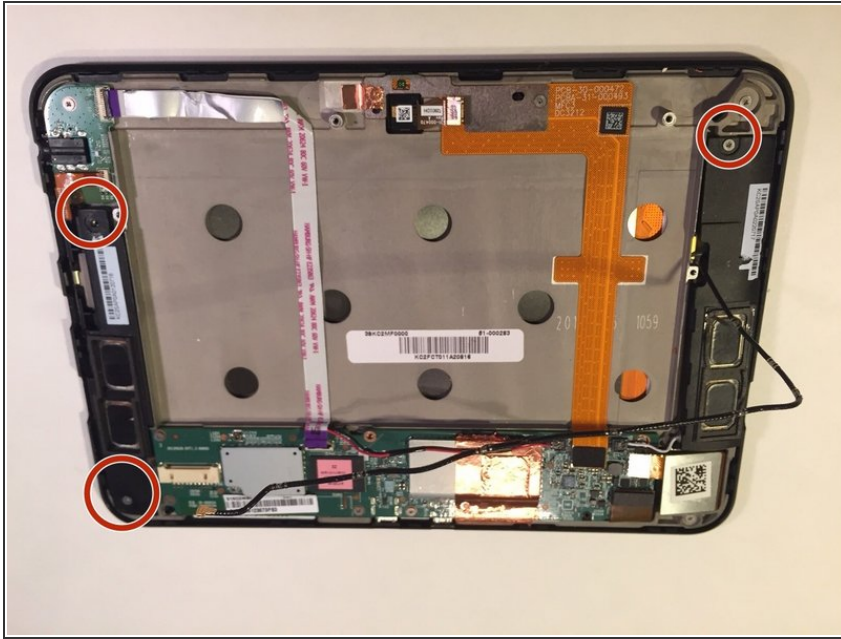
## Step 11



- Lift the battery out of the device with your finger or the plastic opening tool.

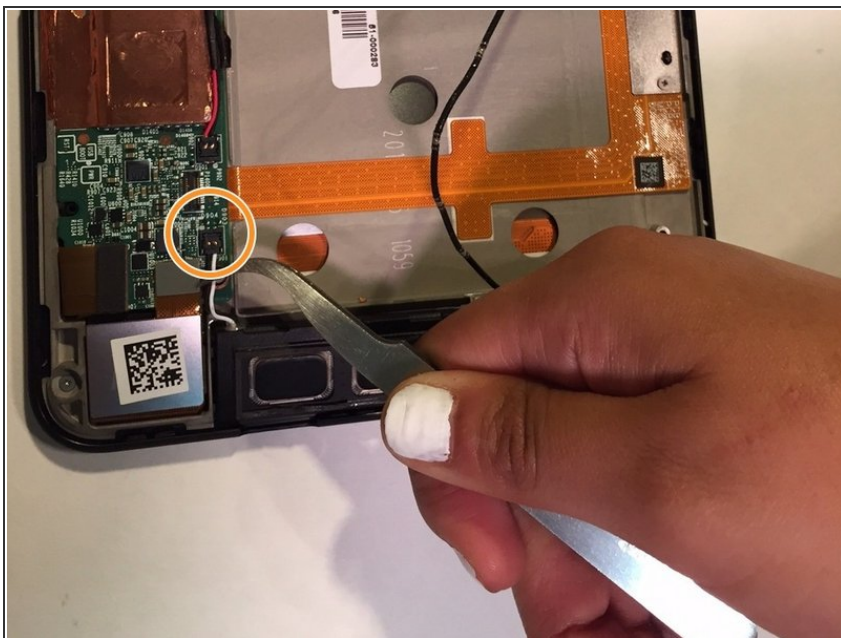


## Step 12



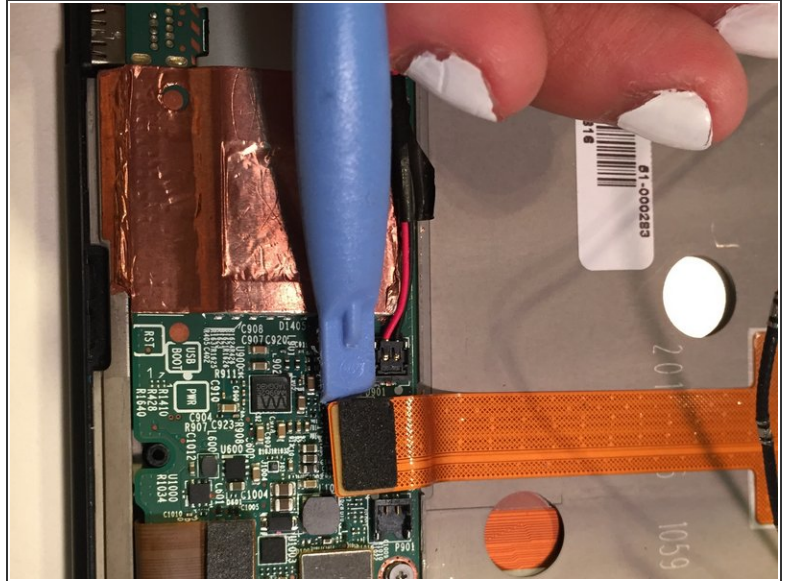
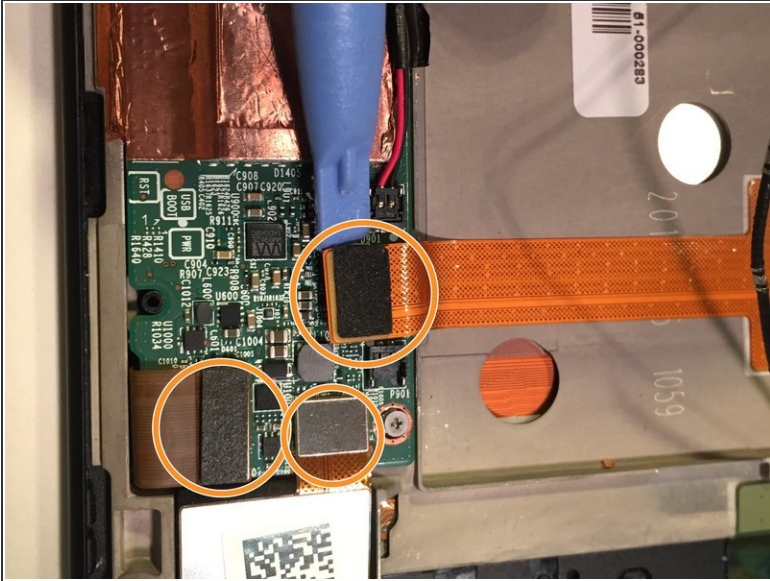
- Look at the speakers on the left and right side of your device. Unscrew the three 2 mm screws that hold the speakers down with the Phillips #000 screwdriver.

## Step 13



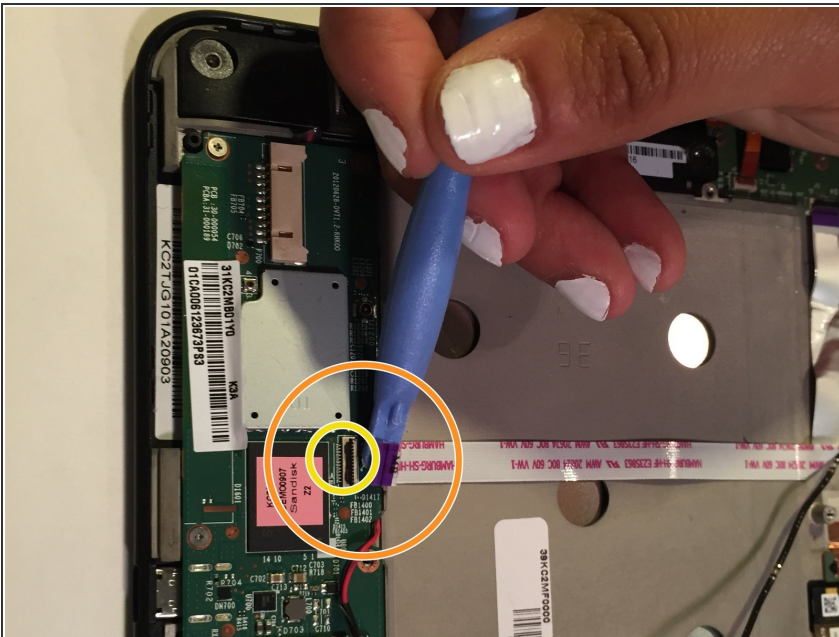
- Locate the black and white wires that are connected to the plastic black piece.
- Use the tweezers to lift up the wires.

## Step 14



- Look at the motherboard and lift up the three copper flaps with your plastic opening tool

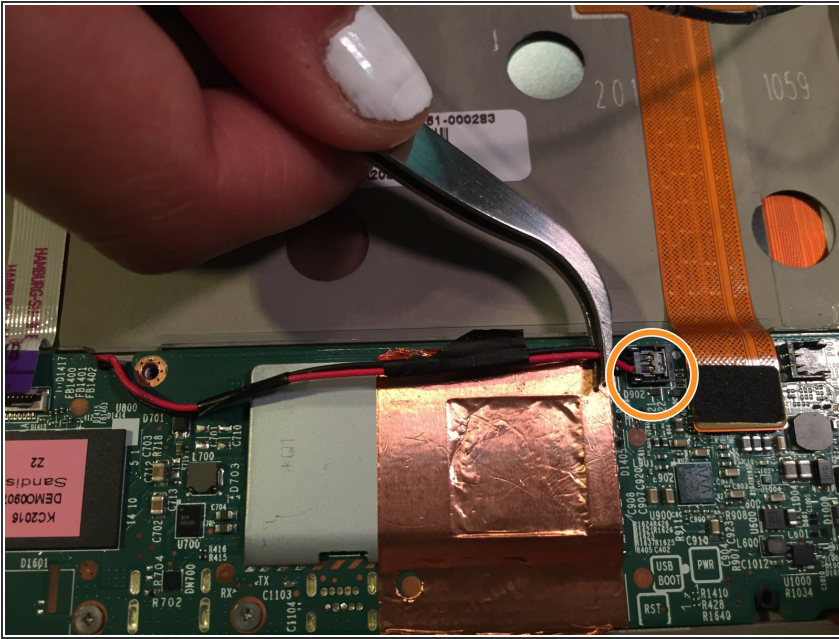
## Step 15



- Locate the purple flap in the middle of the motherboard.
- Lift up the little black flap to disconnect the purple flap.

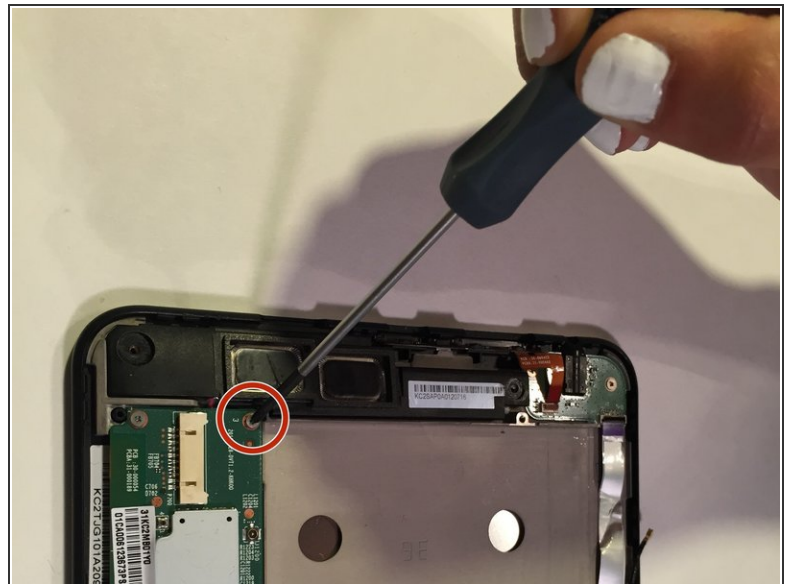
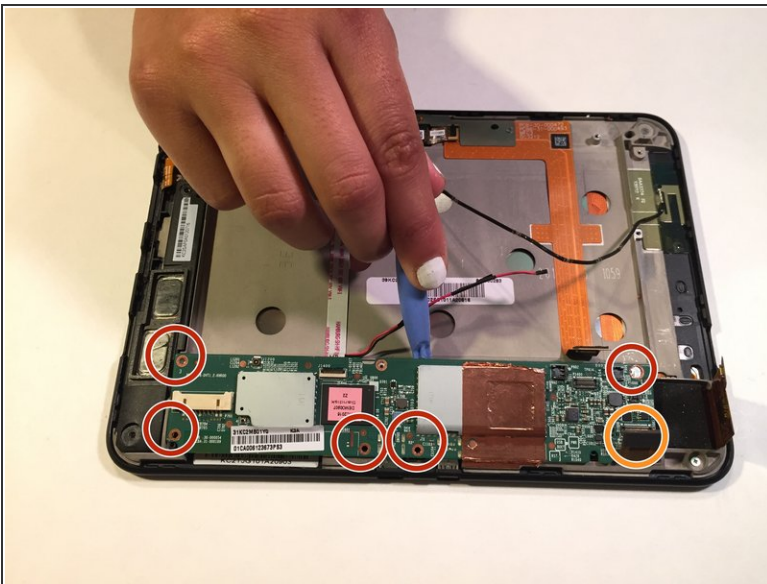


## Step 16



- Locate the red and black wire that is connected to the plastic black piece.
- Use the tweezers to lift up the wires.

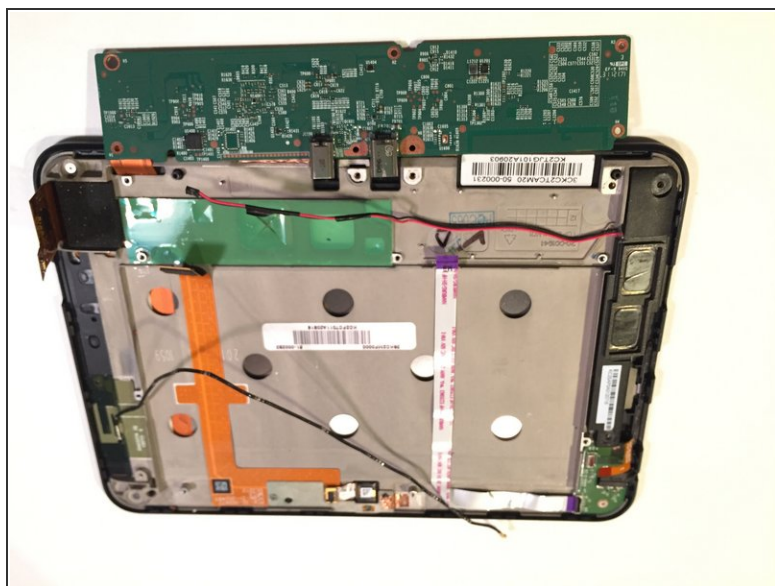
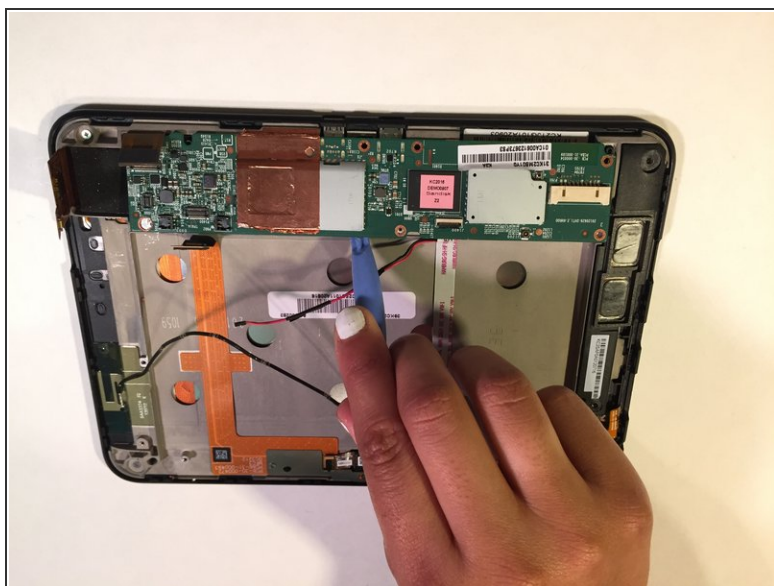
## Step 17



- Locate the five 3 mm screws and unscrew them with the Phillips #00 screwdriver.
- Remember to unscrew the 3 mm screw underneath the cooper flap.



## Step 18



- In order to remove the black and red wire, you must first remove the motherboard.
- Now it is safe to remove the left and right side speakers out.

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