Main Board Replacement
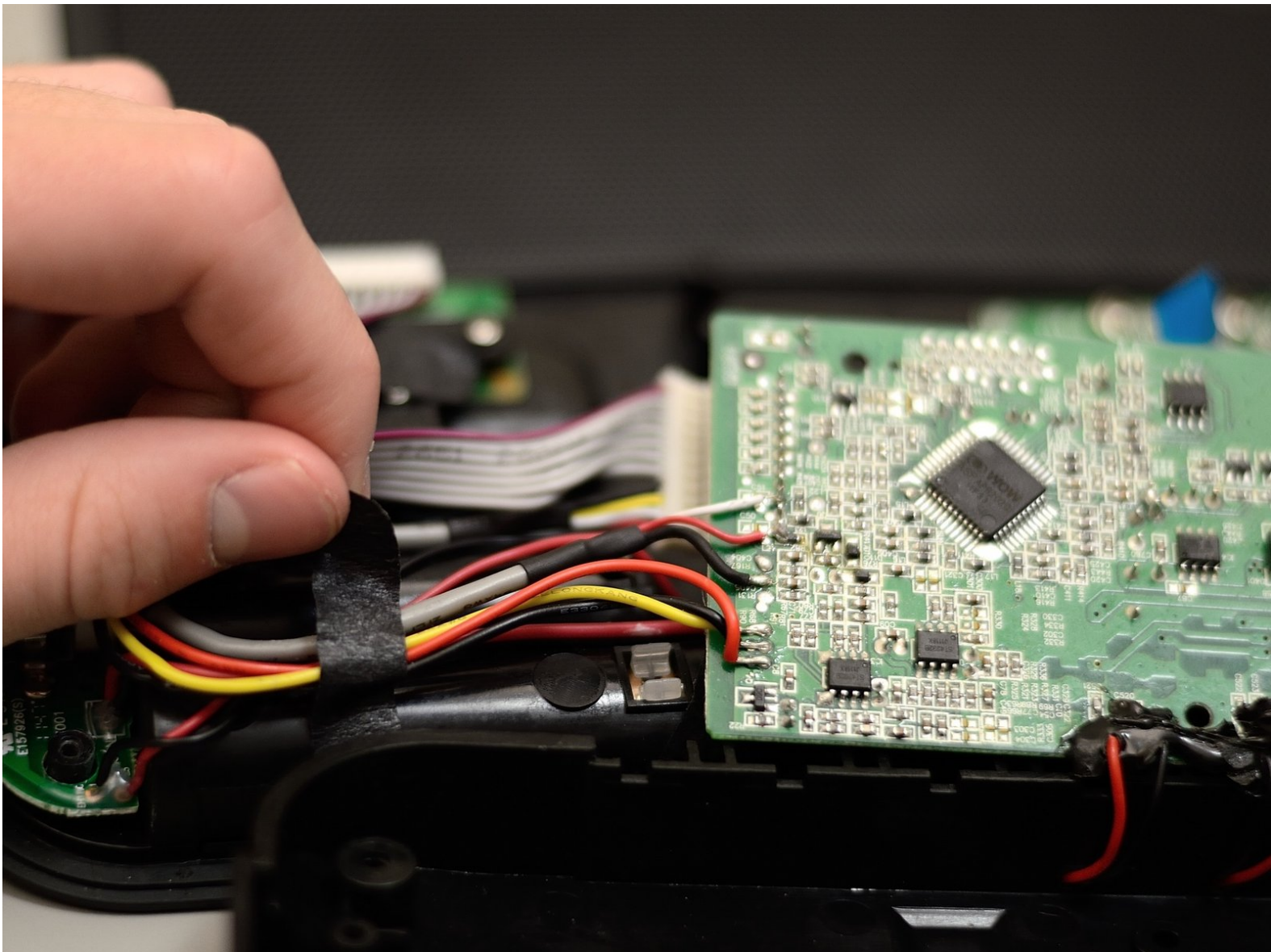
This guide will take you through the process of replacing the main board on an iHome iP37.

Written By: Jackson McKay

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INTRODUCTION

The main board needs to be partially removed for several of the steps, so completely removing and replacing it isn't too much more work. This should be done as a last resort if nothing else works when fixing the iP37.

🔧 TOOLS:

- Phillips #2 Screwdriver (1)
- Soldering Iron (1)
- iFixit Opening Tools (1)

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Step 1 — Exterior Housing

- Pry the exterior housing off the iHome iP37. You may need extra leverage to do this.

- (i) Note: This step is the most difficult due to the way it is attached. The glue holding the exterior housing to the internals does not break easily. You may want to use iFixit's [iOpener](#) to soften the glue.

- (i) Note: The process is the same for both the upper half and the lower half. To identify the halves, look for these details: the upper half has a metal grid, and the lower half has buttons. If you are replacing any other components, pry off the lower half.

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Step 2 — Lower Half Casing

- Remove these four 9 mm screws from the plastic casing; you will need a Phillips #2 driver to do this.

- Remove the flanged 9 mm screw from the counterweight; you will need a Phillips #2 driver to do this.

- Lift and remove the counterweight.

Step 3
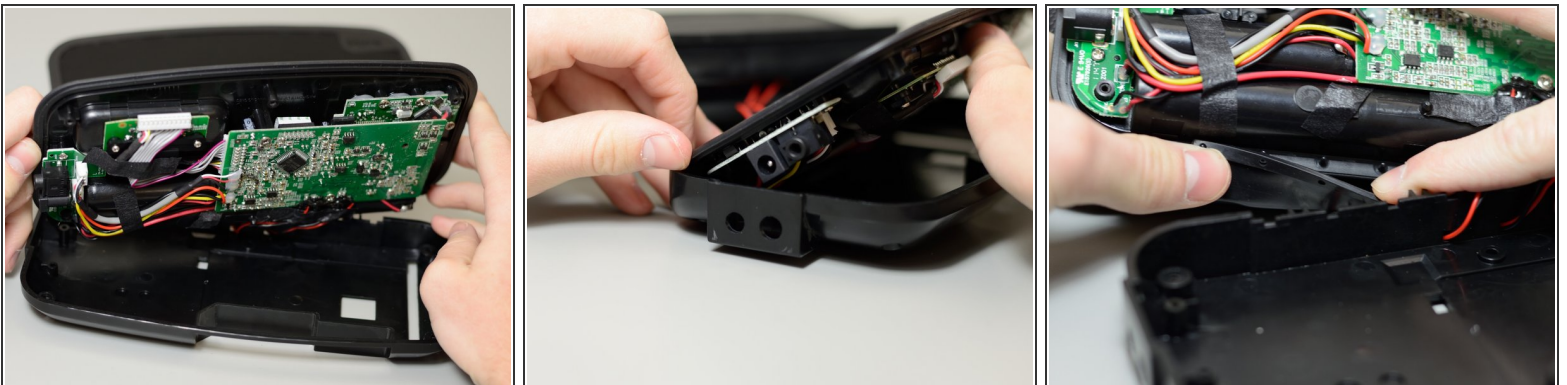
- Lift and remove the plastic casing.

- ⓘ Note: It is best to lift the casing starting from the side without the protruding 3.5mm audio port and power port.

- ⚲ Reminder: During this process, a rubber cover will likely be dislodged. Make sure to re-seat this cover on the small pegs before putting the plastic casing back on.

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Step 4 — Preliminary Main Board
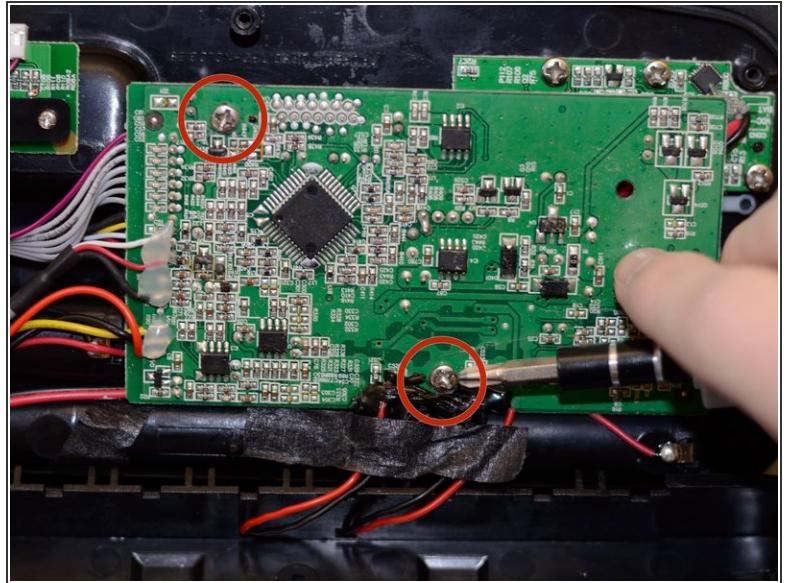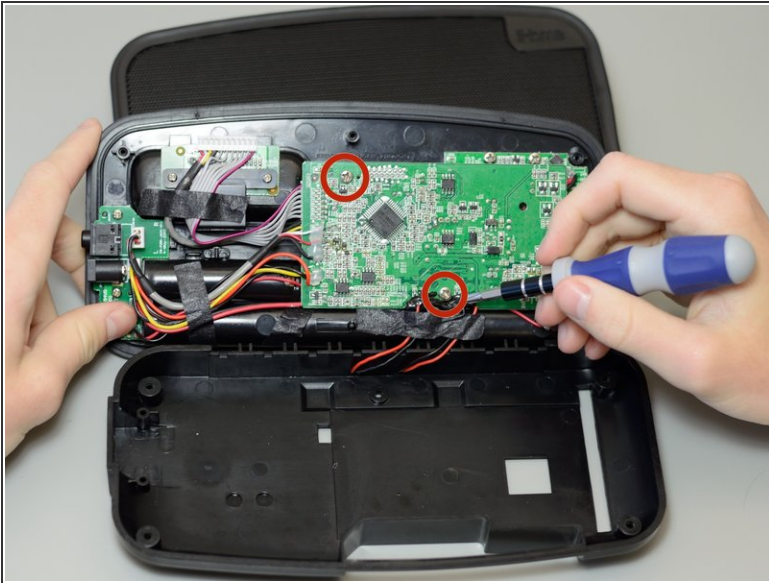
- Remove the two 9 mm screws that hold the main printed circuit board onto the rest of the iP37; you will need a Phillips #2 driver to do this.

Step 5
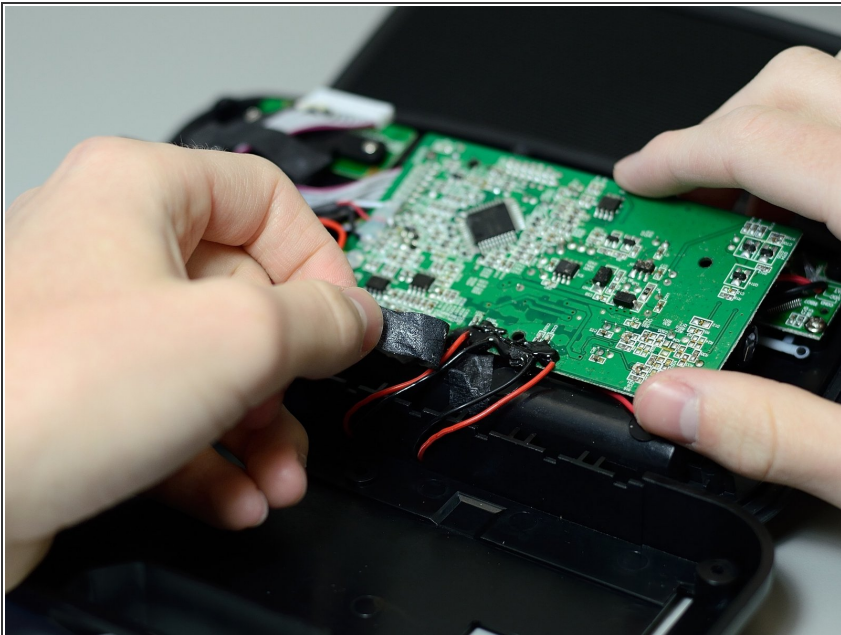
- Peel away the black tape covering the red wires that connect to the PCB.

Step 6

⚠ There is ribbon wiring under this PCB. Be careful not to damage it while removing the PCB.

● Slowly lift the PCB away from the rest of the device

● Remove the ribbon by first removing the brown insert piece from the connector on the button board

● Pull the ribbon out of the connector on the button board by the blue tab.

Step 7
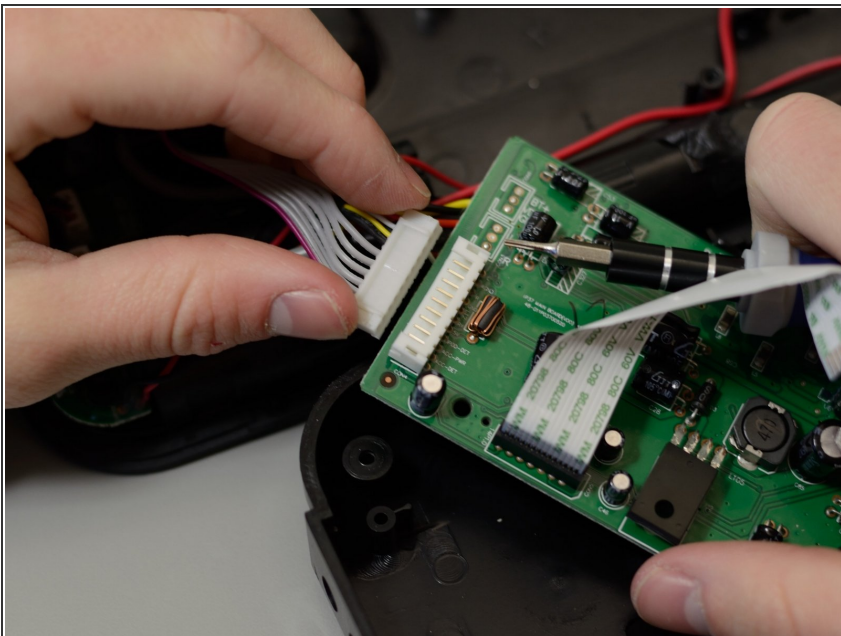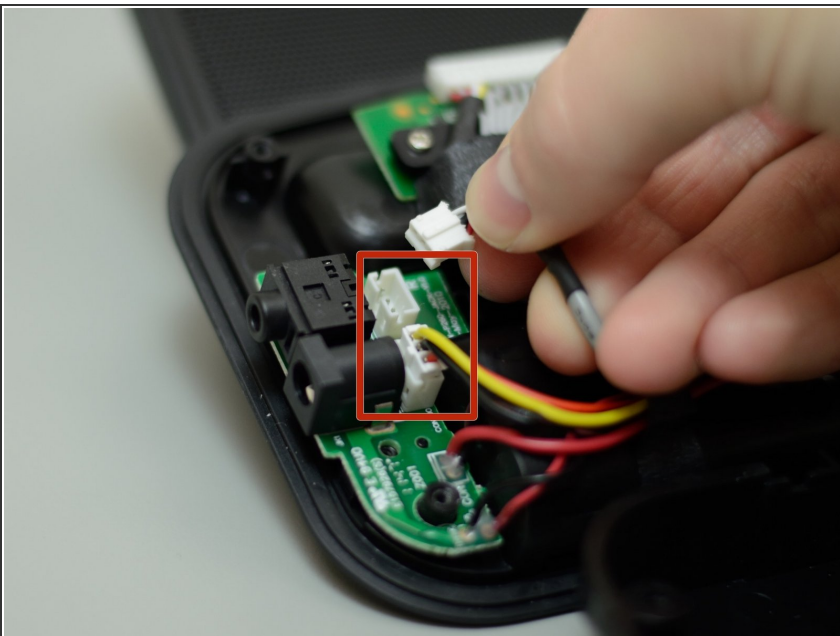

● Carefully disconnect the white 11-pin connector from the main board.

ⓘ Pull firmly on the connector and use a screwdriver to pry it slightly if necessary.
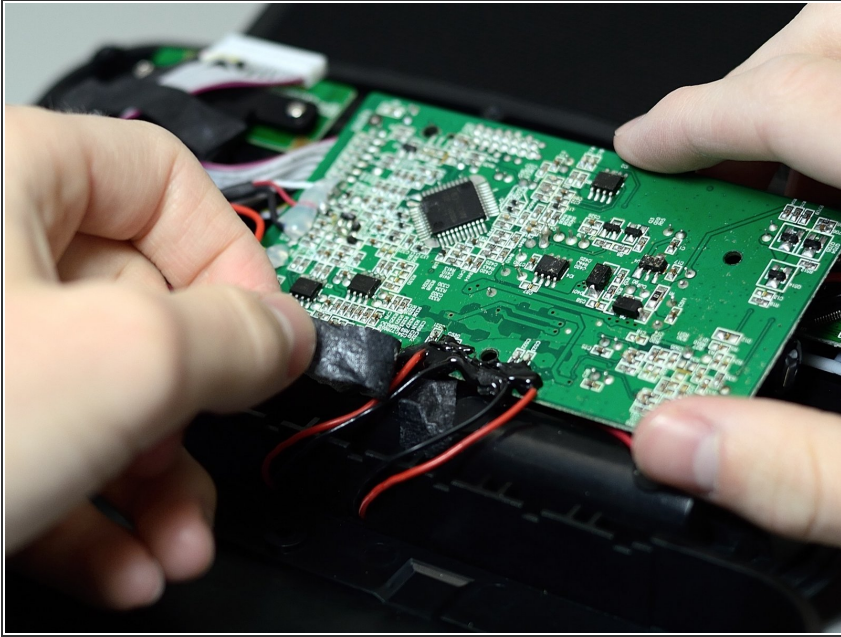
Step 8 — Main Board
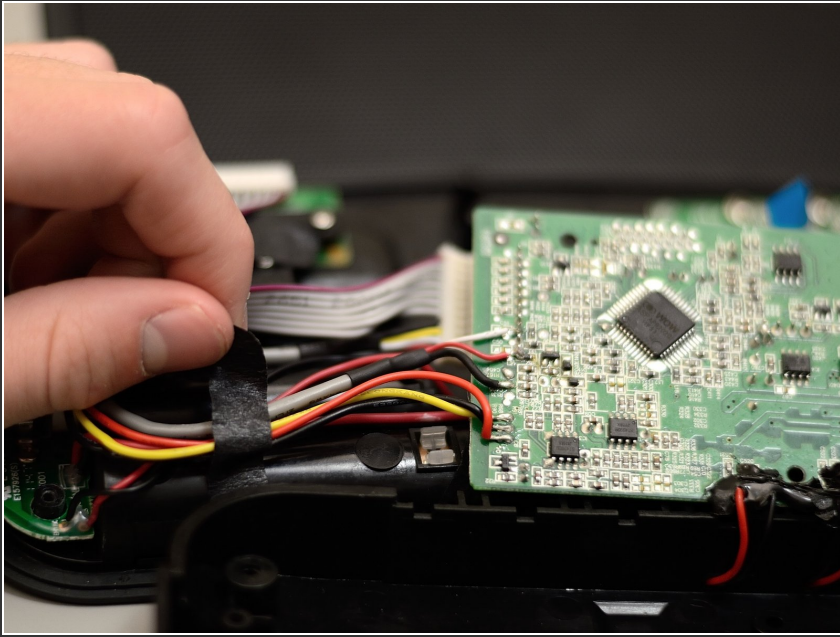
- Peel away the tape holding down the wires between the main board and the DC power and 3.5 mm audio jack board.
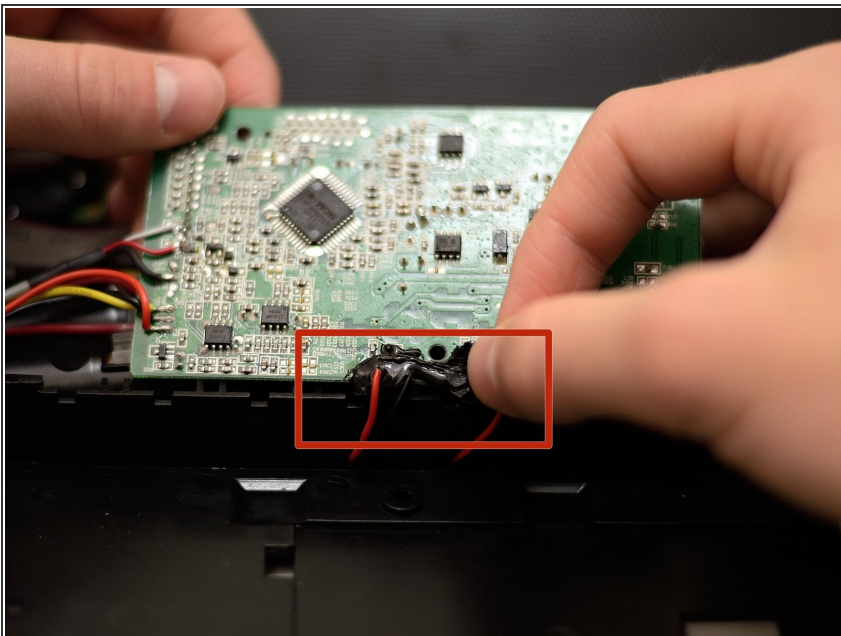
Step 9

- Remove the two 3-pin connectors from the DC power and 3.5 mm audio jack board.

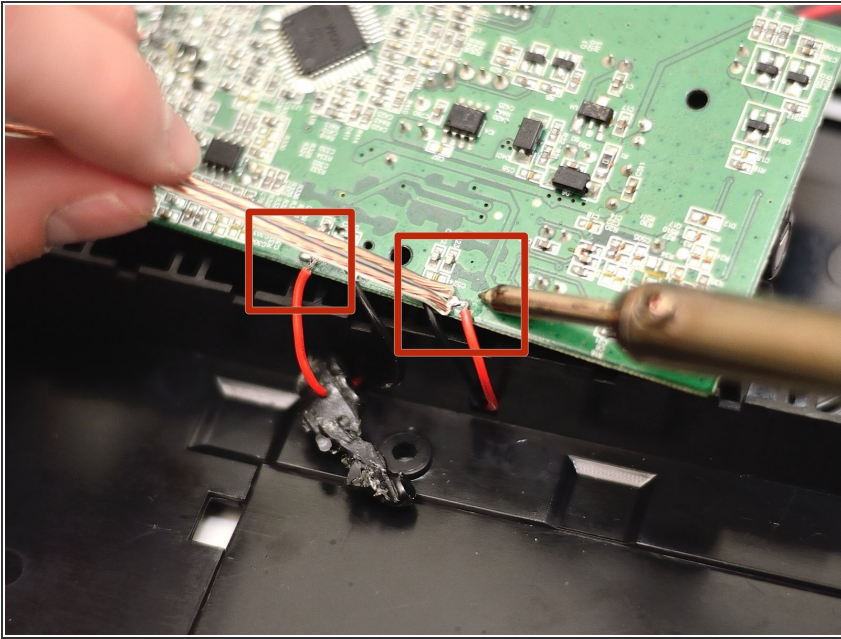This document was generated on 2020-11-28 03:26:20 AM (MST).

Step 10

- Remove the black tape holding down the four wires connecting the main board to the upper half of the device.

Step 11

- Carefully peel away the black melted plastic that covers the connection points from the four wires to the main board.

⚠ Make sure not to pull any of the wires out. This will make soldering them back on later more difficult. To avoid this, it may be easier to peel the melted plastic away in small chunks.

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Step 12

- Desolder the two red and two black wires from the main board, which will completely free the main board from the rest of the assembly.

- ⓘ You can refer to iFixit's guide or this informative video for more information on soldering.

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