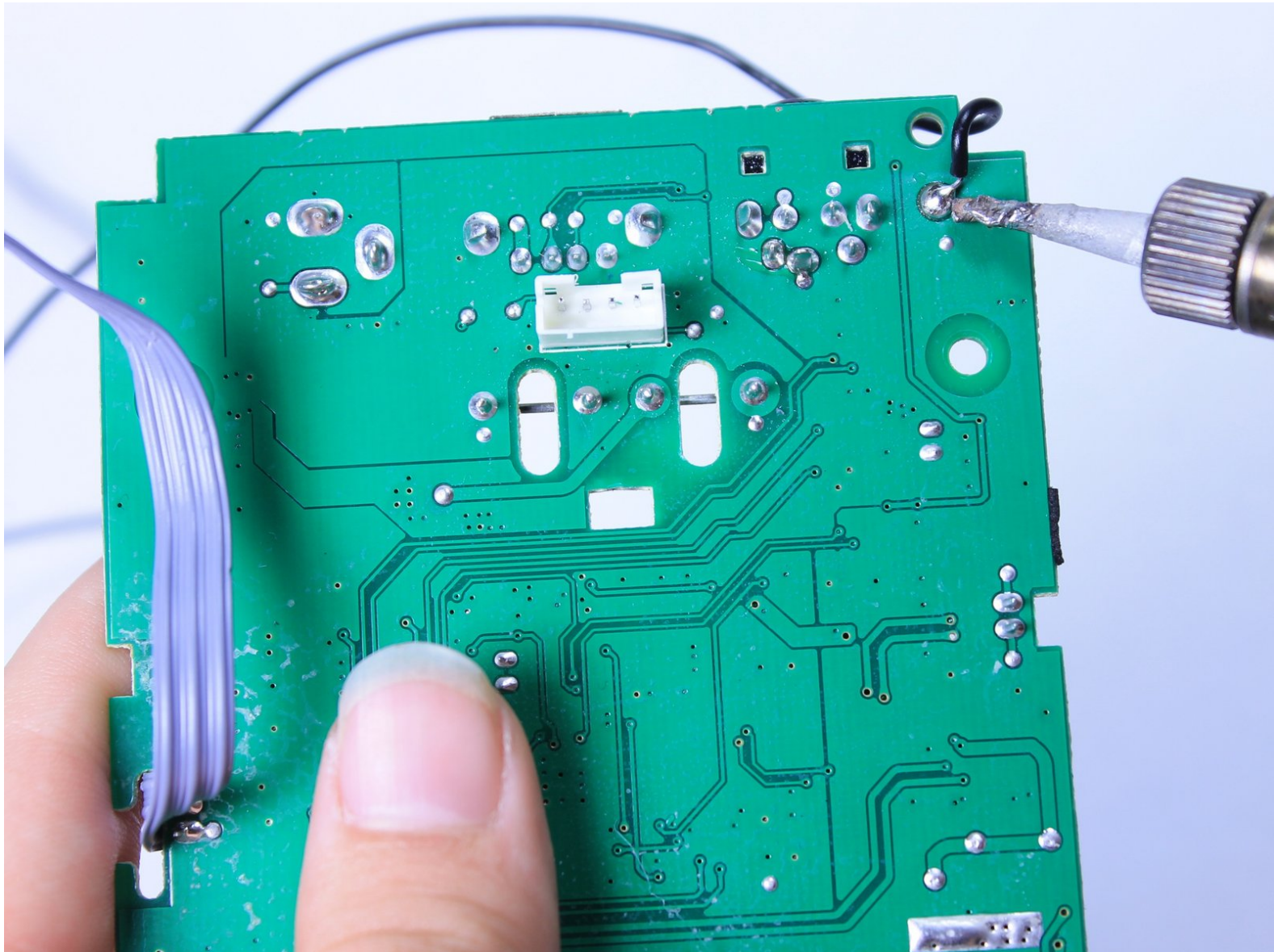




Insignia NS-CLLT01 Radio Antenna Replacement

This guide will show you how to replace the radio antenna in your alarm clock.

Written By: Morgan Mattingly



INTRODUCTION

If the radio antenna on your clock is broken and needs to be replaced, this guide will show you how to replace the cord. This process will include soldering.



TOOLS:

- [Phillips #2 Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
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Step 1 — Insignia NS-CLLT01 Top Casing Removal



- Lift the four adhesive covers on each of the corners on the bottom of the clock using a plastic opening tool or your fingernail.

Step 2



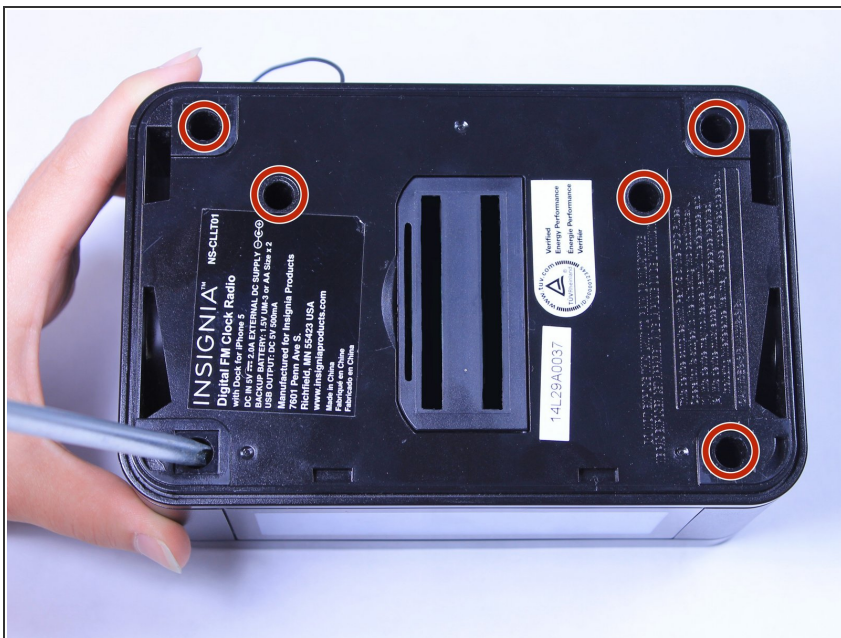
- On the bottom of the clock, use your fingernail to push the battery cover to the right.
- Lift the battery cover up and to the right to reveal the batteries.

Step 3



- Remove the two AA batteries by pressing the end opposite of the spring towards that spring and lifting up.
- Once the batteries are removed, close the cover.

Step 4



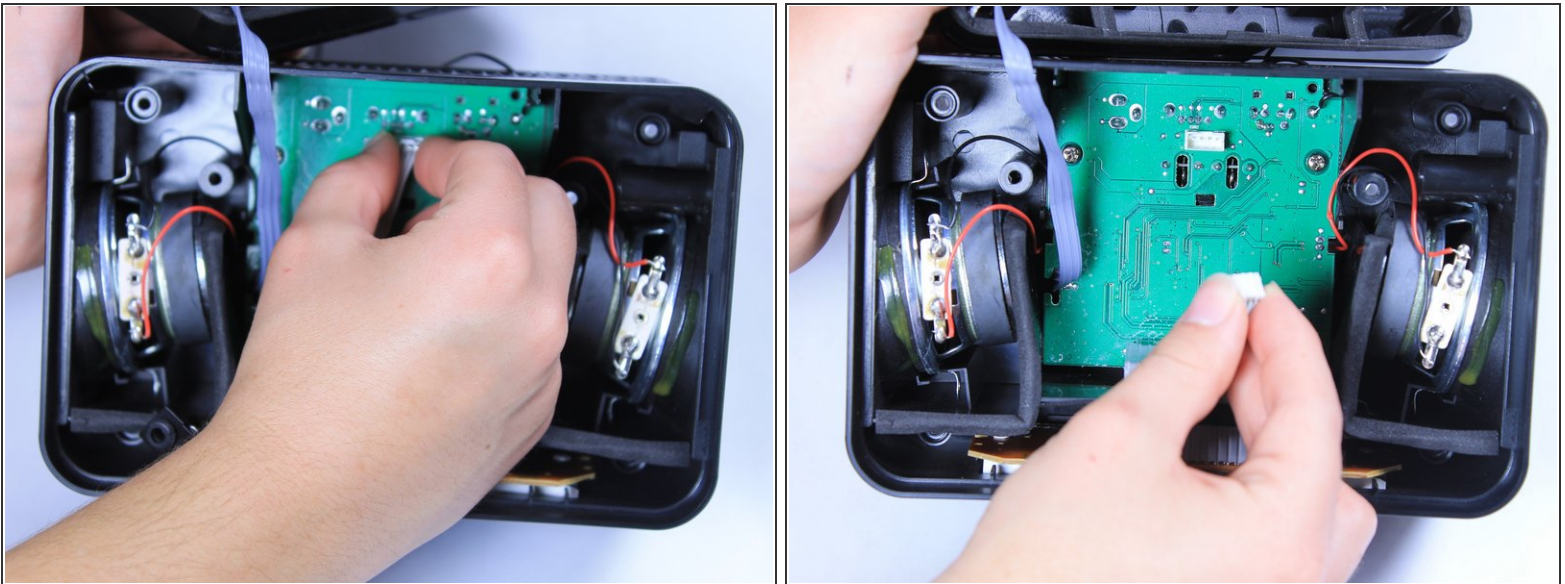
- Use a long Phillips #2 screwdriver to unscrew all six 10mm Phillips screws inside the bottom of the clock.
- Turn over the device to allow the screws to fall out, being careful to catch them so that you do not lose any.
- ⓘ The screws may not come out of the bottom of the clock. As long as you have unscrewed them, the clock can still be opened.

Step 5



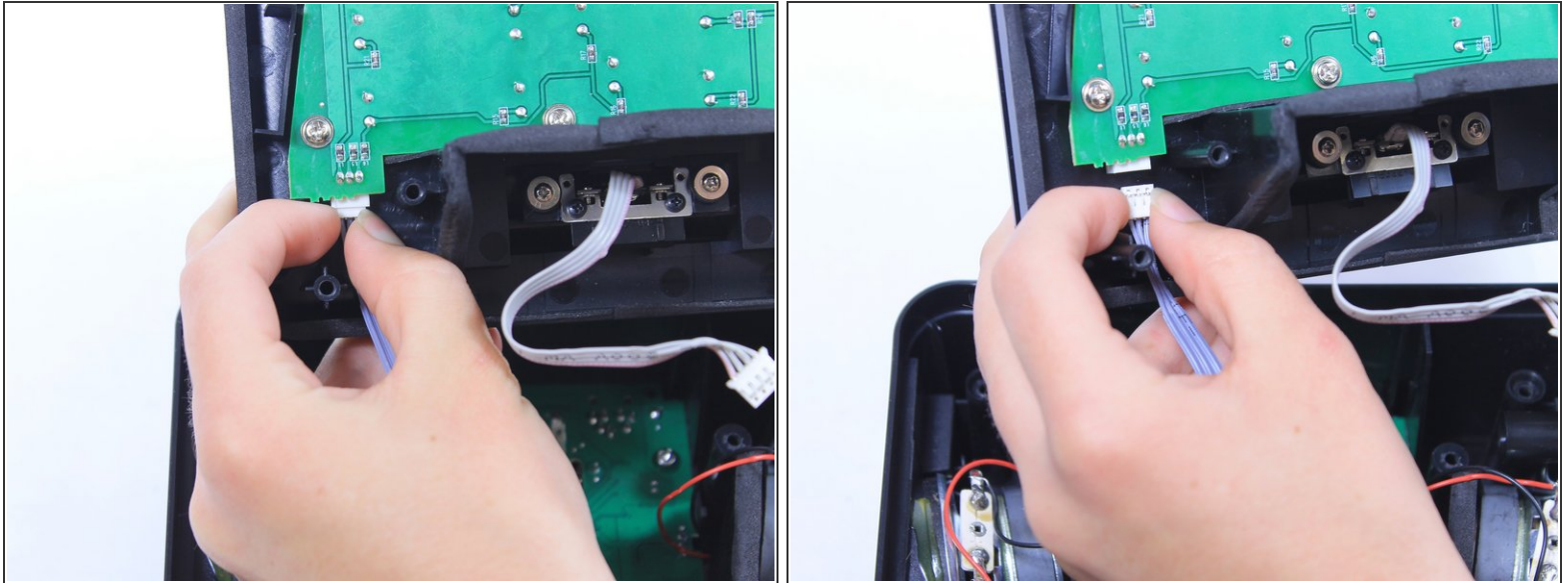
- Turn the clock back over.
- Lift the top off of the clock by gripping the back of the iPhone dock and pulling straight up.

Step 6 — Motherboard



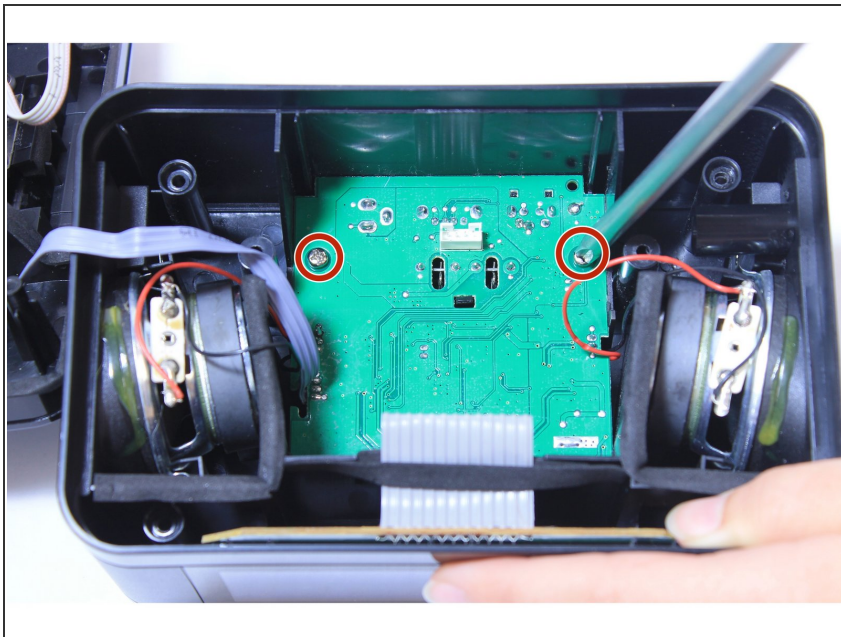
- Grip the white ribbon cable connector that attaches the lightning cable to the middle of the central circuit board located in the bottom of the clock. Pinch and pull straight up to detach the cable.

Step 7



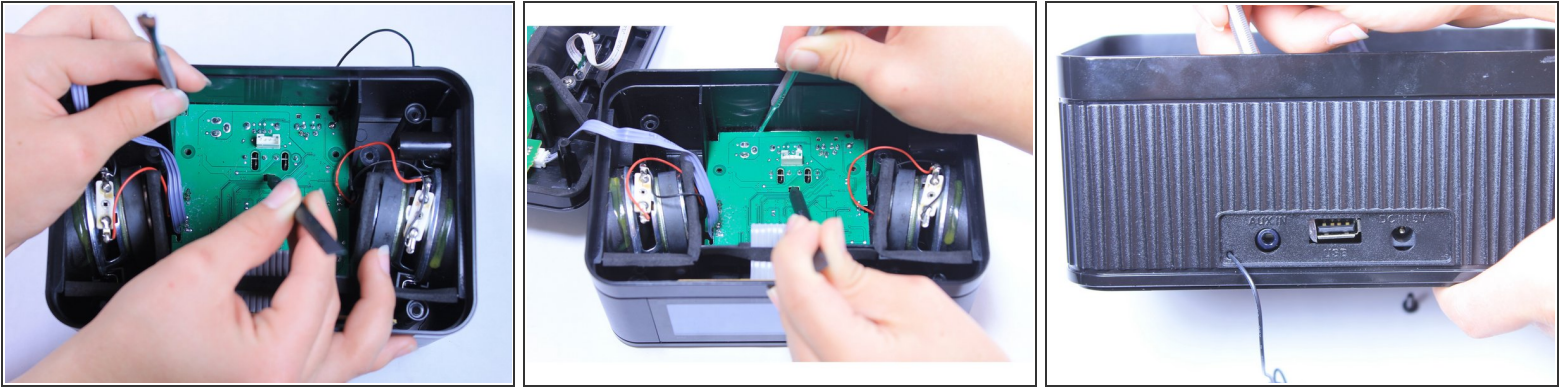
- Remove the white ribbon connector that connects the central circuit board to the circuit board attached to the top of the clock by gripping it on both sides and pulling it straight away from the board.

Step 8



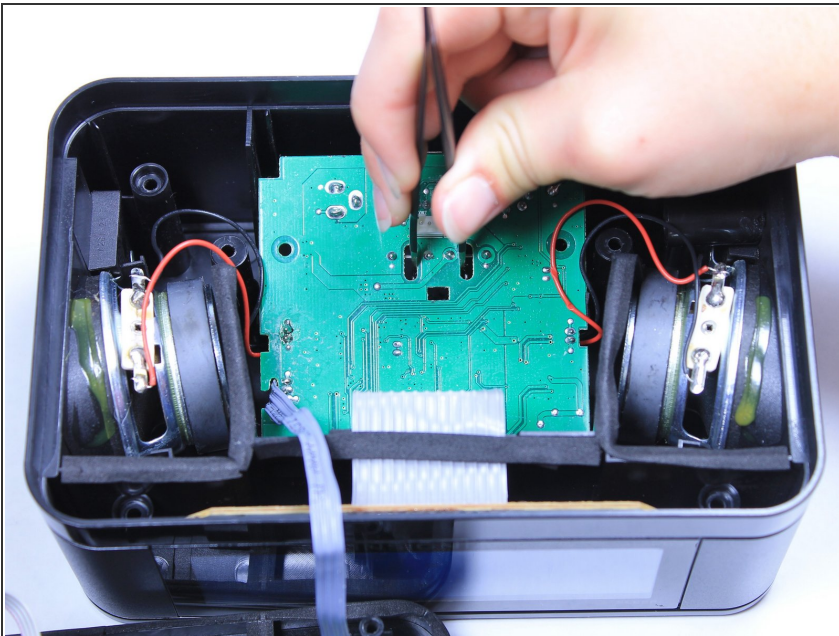
- Unscrew the two 10mm screws from the bottom circuit board.

Step 9



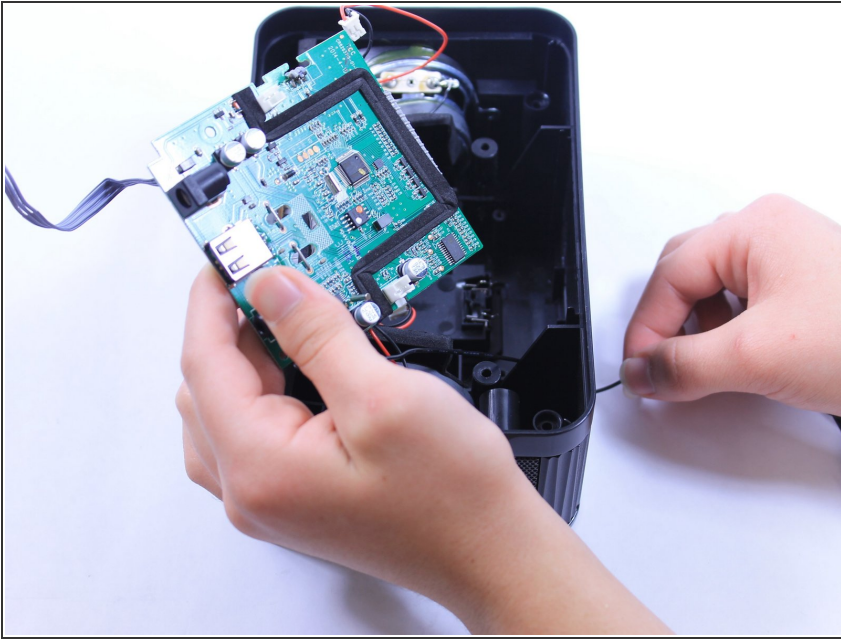
- Use the narrow end of a plastic spudger to pull back the clip in the center of the board.
- At the same time, pry the circuit board up by wedging another spudger into the top left-hand corner of the board and working it along the back, pushing the edge of the board away from the back of the clock.
- ⓘ The black radio antenna, which is attached to the board and comes out of the back of the clock, will need to be pushed into the clock from the outside as the board is lifted up.

Step 10



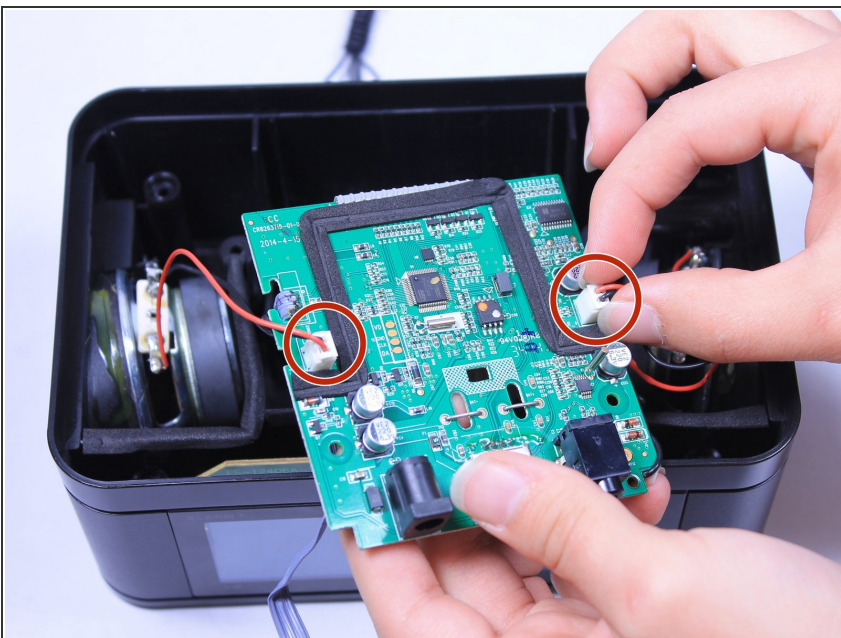
- Once the ports on the back of the circuit board are displaced and resting against the back of the clock, use a pair of tweezers to lift the circuit board up off of the bottom of the clock, continuing to feed the radio antenna through the side of the clock as the board lifts up.

Step 11



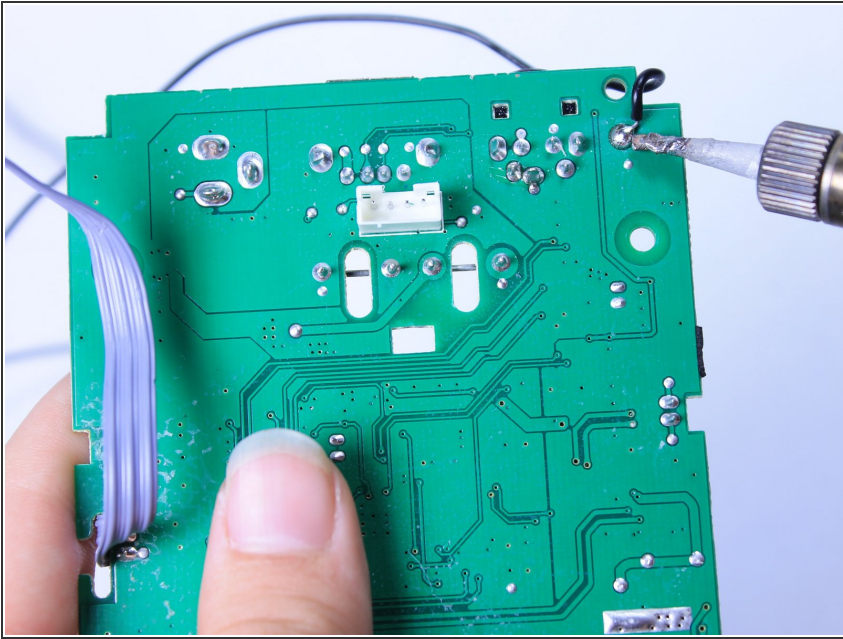
- Pull the radio antenna the rest of the way through the side of the clock.

Step 12



- Turn the circuit board over.
- Disconnect the two white connectors on the bottom of the circuit board by gripping the sides of each connector and pulling straight out.

Step 13 — Radio Antenna



- Turn the circuit board back over.
- Use this [soldering guide](#) to remove and replace the radio antenna that is attached to the corner of the circuit board.

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