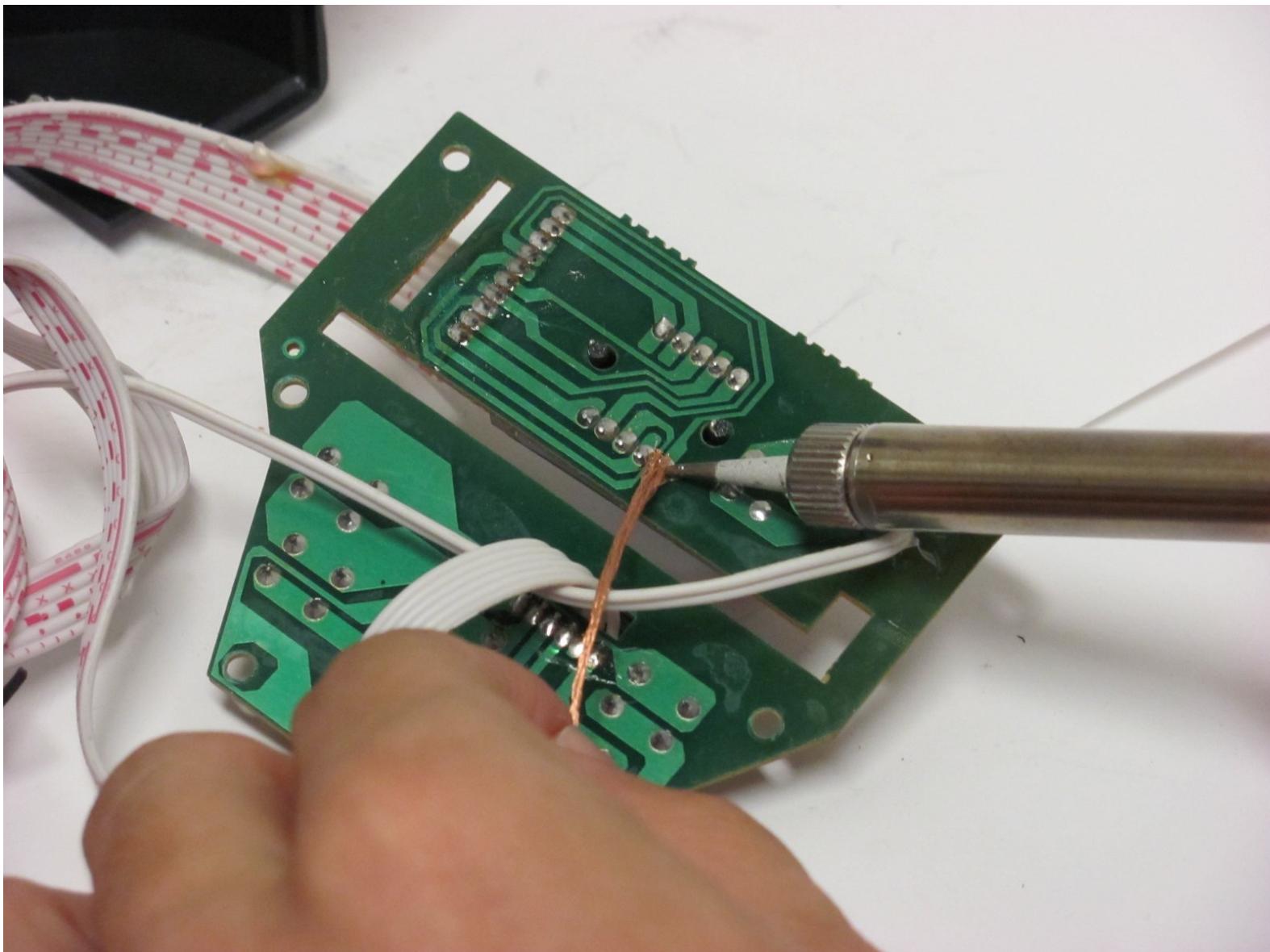




# Insignia NS-B2110 LED Display Replacement

Replace the 2-digit LED display on the front of your boombox.

Written By: Jacob Phillips



## INTRODUCTION

Follow this guide to replace your LED display so you can navigate through your tunes easier. The wires get a little messy, so be sure you have a clean area to work in. This guide requires soldering. If you don't know how to solder, a simple step-by-step guide can be found [here](#).

### TOOLS:

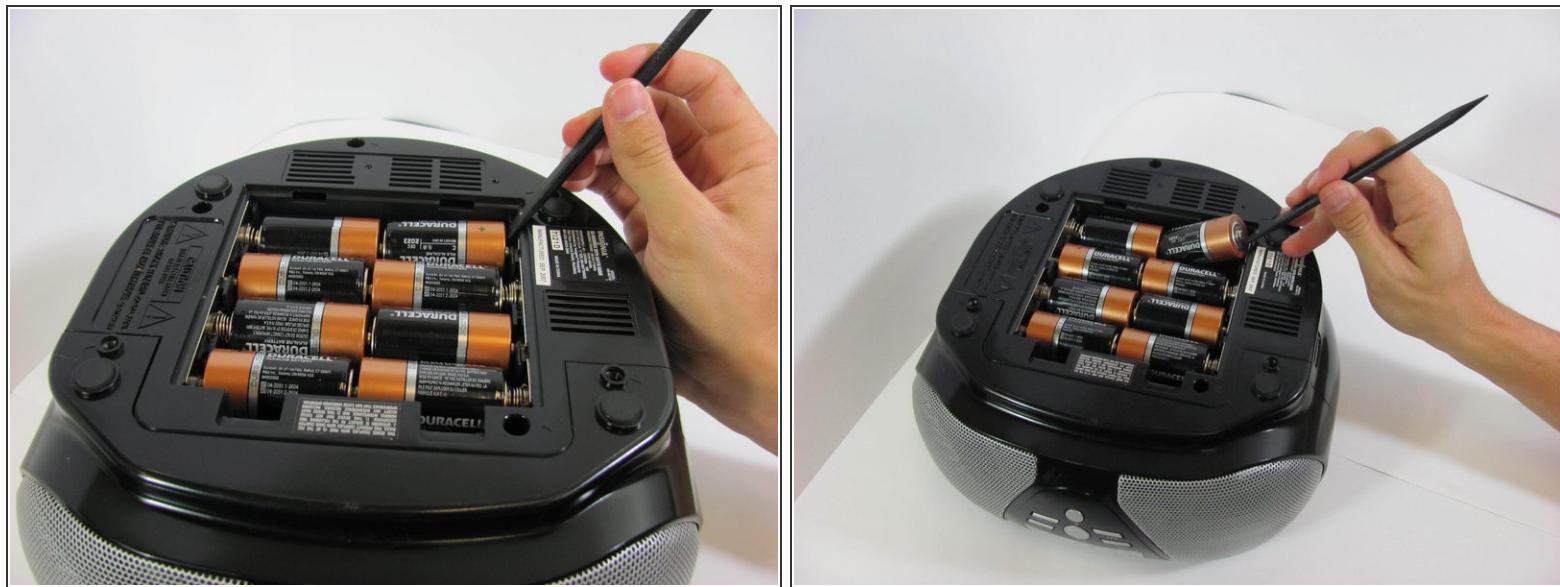
- [Phillips #00 Screwdriver](#) (1)
- [Spudger](#) (1)
- [Phillips #2 Screwdriver](#) (1)
- [Phillips #2 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Phillips #1 Screwdriver](#) (1)
- [Soldering Workstation](#) (1)

## Step 1 — Battery



- Flip the stereo so the CD opening is face down.
- With two fingers, pinch the tabs and lift up to open the battery protection cover.

## Step 2



- Using a spudger or your fingers, push up against the positive end of the battery. Once it is loose, lift the battery out.
  - Repeat until all eight batteries are removed.
- ★ Make sure the batteries are facing the right direction. If the device does not turn on, you may have the batteries in the opposite orientation.

## Step 3 — Bottom Panel



- With a Phillips #2 screwdriver, remove two 2mm screws.

## Step 4



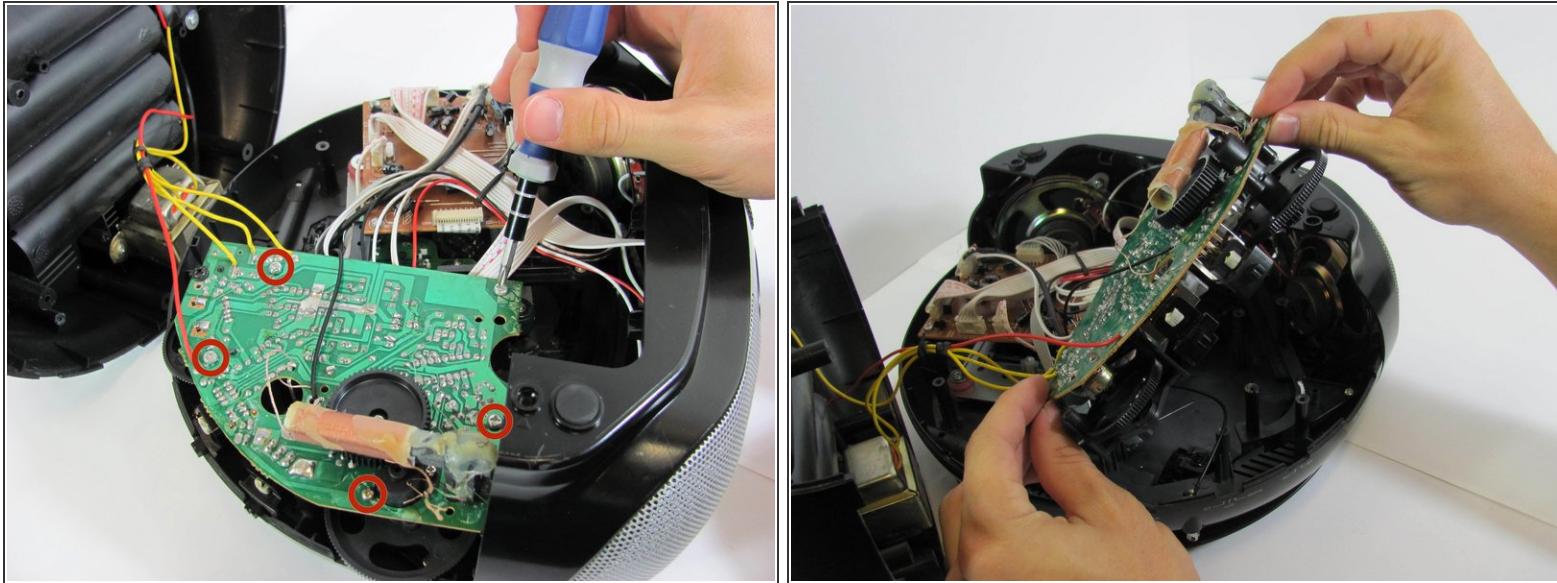
- Using a long Phillips #2 screwdriver, remove one 6mm screw located inside the battery compartment.
- Use the same screwdriver to remove four more 6mm screws along the outside of the case.

## Step 5



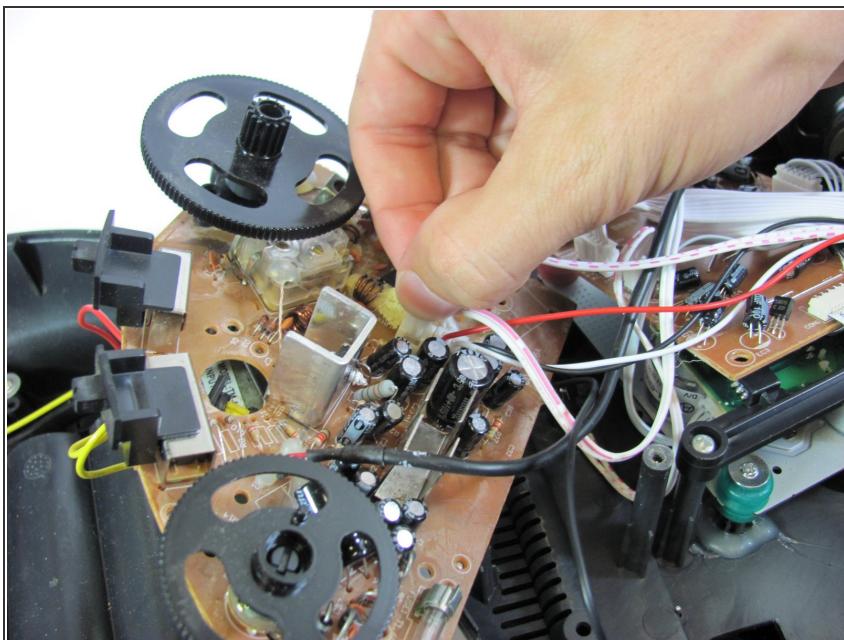
- With a plastic opening tool, wedge the bottom shell from the main speaker face along the edge.
- ⚠ The bottom cover has two red and two yellow wires attached to it that you don't want to pull off. Handle the casing carefully.
- Once the pieces are separated, pull them apart and place the bottom cover aside, near the stereo.

## Step 6 — Internal Components



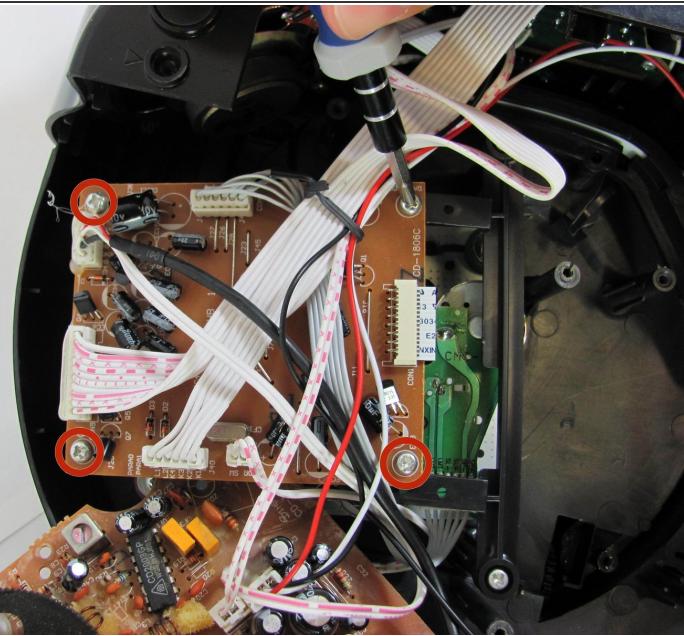
- With a Phillips #2 screwdriver, remove five 5mm screws from the "quarter circle" circuit board.
- ⚠ More wires! Handle the circuit board carefully and take caution not to stretch the red and white wires connected the board to the other components.
- Remove the green quarter circle circuit board and place to the side.

## Step 7



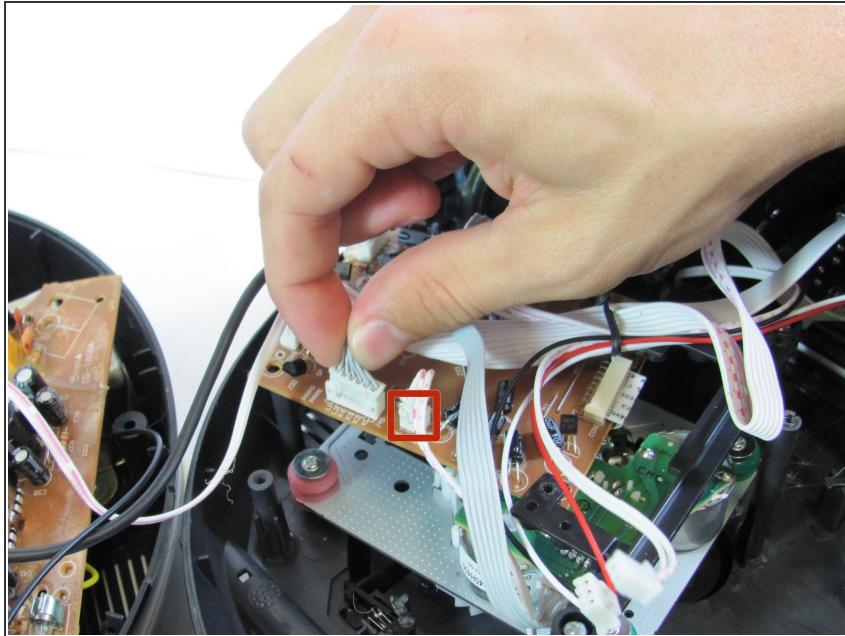
- On the brown side of the quarter circle circuit board, remove the two white ribbon cables with pink stripes attached to a plastic connector. To do this, pinch the tabs with your hands while pulling outward on the connector.

## Step 8



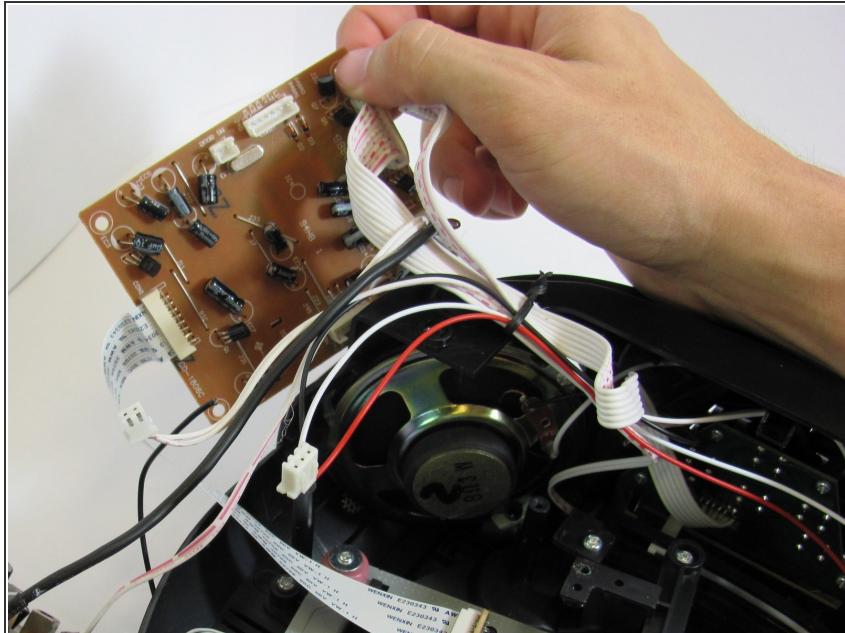
- With a Phillips #2 screwdriver, remove four 6mm screws from the rectangular circuit board.

## Step 9



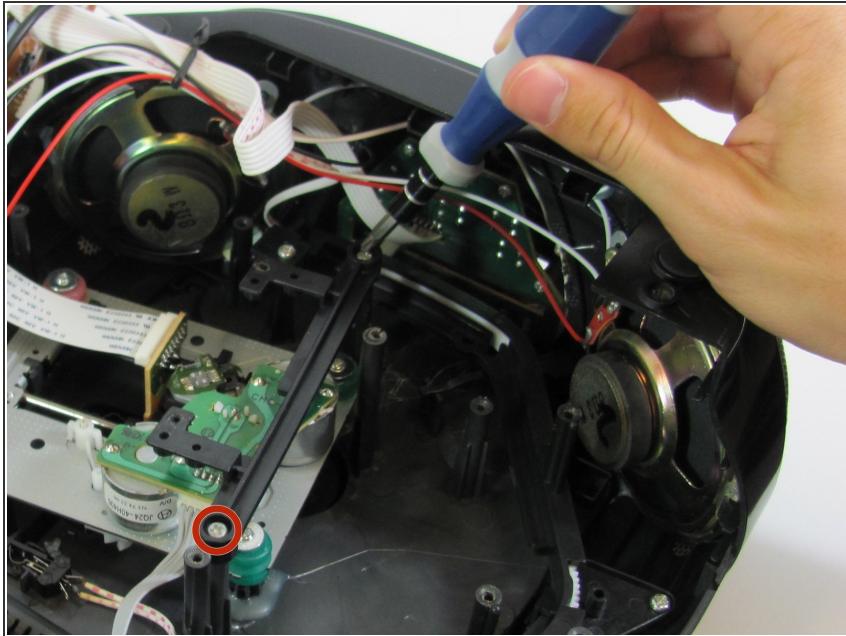
- Remove the two white ribbon cables attached to white plastic connectors from the circuit board by pinching the tabs with your hands and pulling outward on the connector.

## Step 10



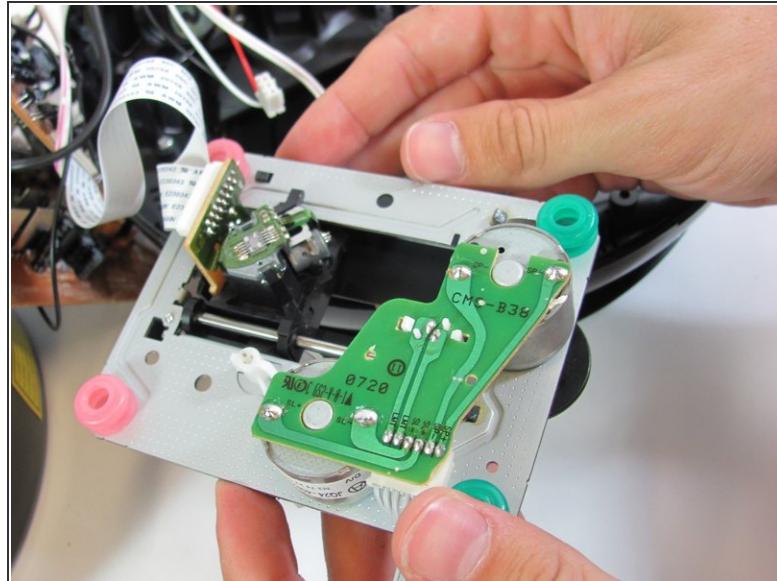
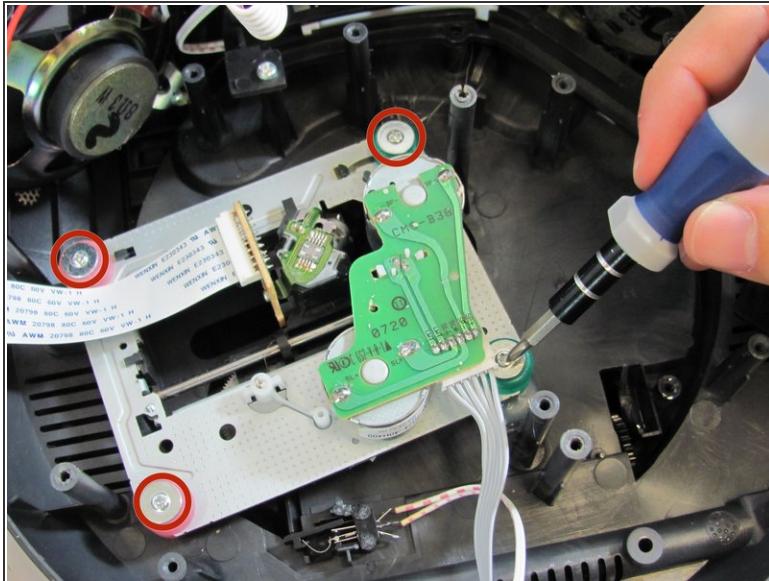
- ⚠ Red and white wires are attached to this board as well. Once again, be careful not to stretch these.
- Remove the rectangular circuit board and place it to the side.

## Step 11



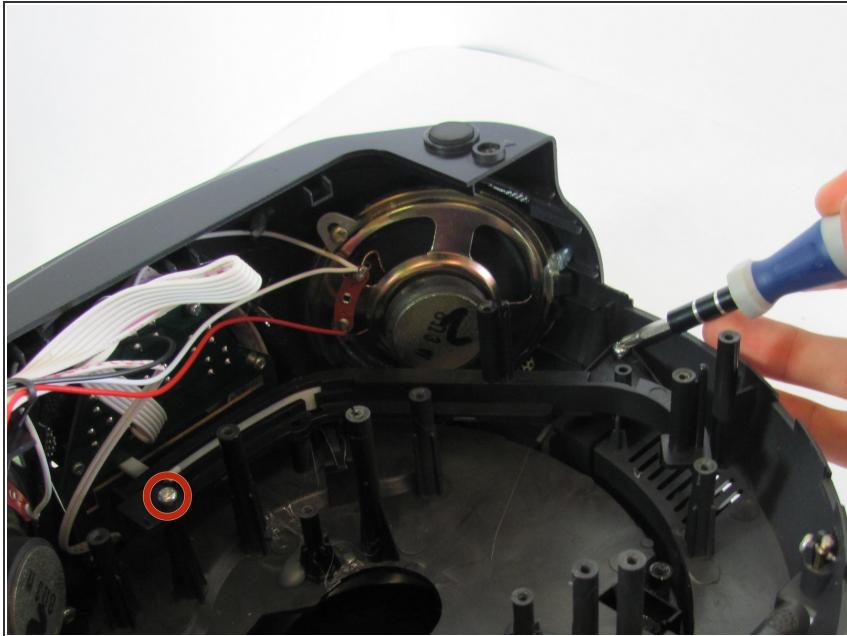
- With a Phillips #2 screwdriver, remove two 5mm screws from the black plastic frame which previously held up the rectangular circuit board.
- Remove the black plastic frame.

## Step 12



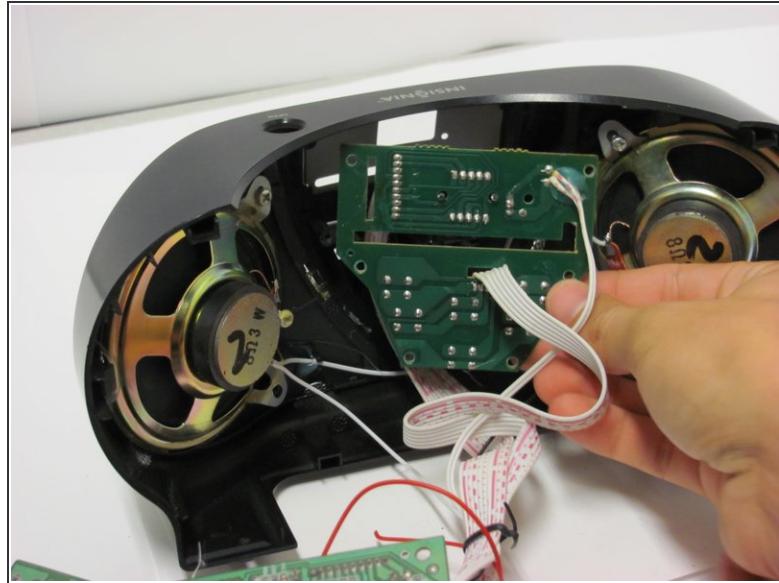
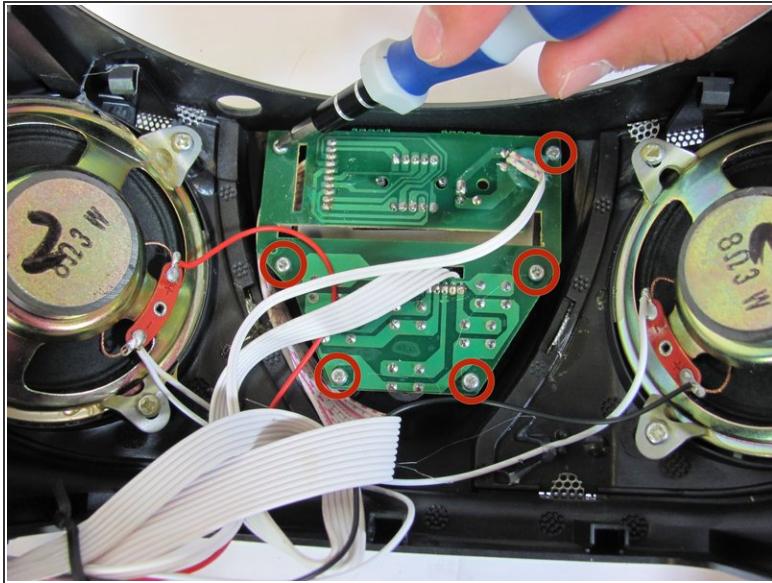
- With a Phillips #1 screwdriver, remove four 3mm screws from the silver metal circuit board.
- ⚠** This board has two white ribbons attached to it. Once again, be careful not to stretch these.
- Remove and place the metal circuit board to the side.

## Step 13



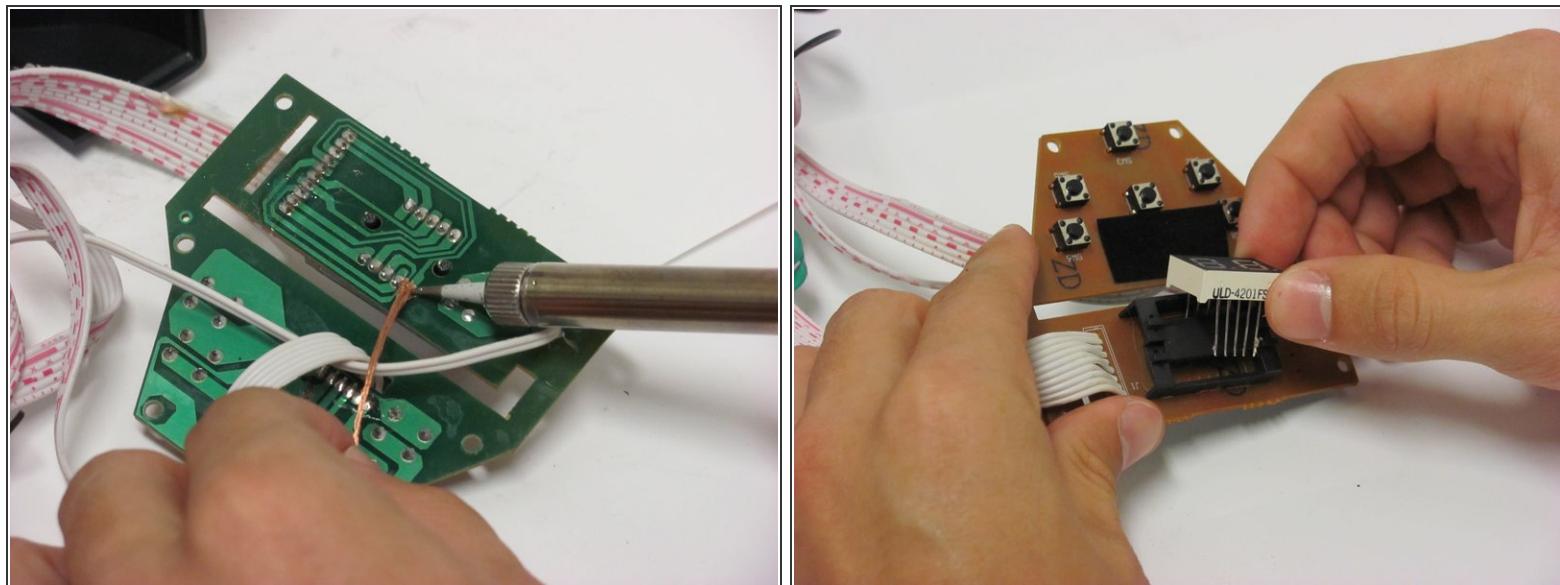
- With a Phillips #2 screwdriver, remove the two 3mm screws from the black plastic tuner frame.

## Step 14 — LED Display



- Using a Phillips #1 Screwdriver, remove the six 5mm screws from the circuit board
- Remove the circuit board. This may require you to wiggle the board a little bit to get it free.

## Step 15



- Remove the ten points of solder from the back of the LED display.
- Pinch and remove the LED display from the circuit board.

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