



Reconnecting the Wiring of a Logitech G430 Headset

This guide will show you how to open up a...

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INTRODUCTION

This guide will show you how to open up a Logitech G430 headset to get into the main electronic components so you can reconnect them. If your headset cable has been ripped out, or if the cable got yanked on and is no longer working, you may need to do this. Soldering and screwdrivers are required; wire strippers may be optional.

Please note solder (even the lead-free kind) is a toxic chemical, and therefore you should not inhale the fumes! Also, do not eat or drink anything after handling solder before thoroughly washing your hands.



TOOLS:

- [Soldering Workstation](#) (1)
 - [Wire Stripper](#) (1)
 - [Phillips #0 Screwdriver](#) (1)
 - [Phillips #1 Screwdriver](#) (1)
 - [Lead-Free Solder](#) (1)
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Step 1 — Wiring



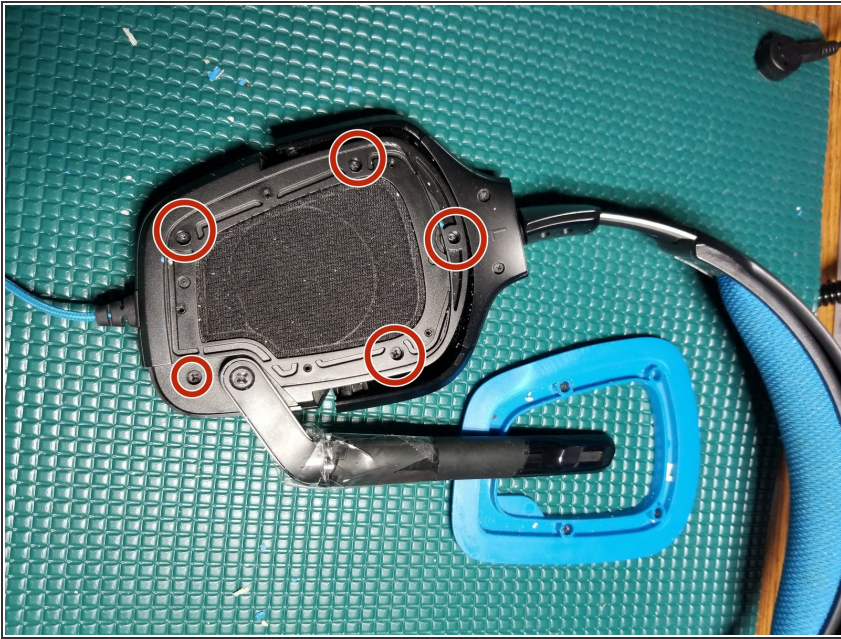
- Pull the top-left corner of the foam padding up and to the left, and then pull it away from the frame.

Step 2



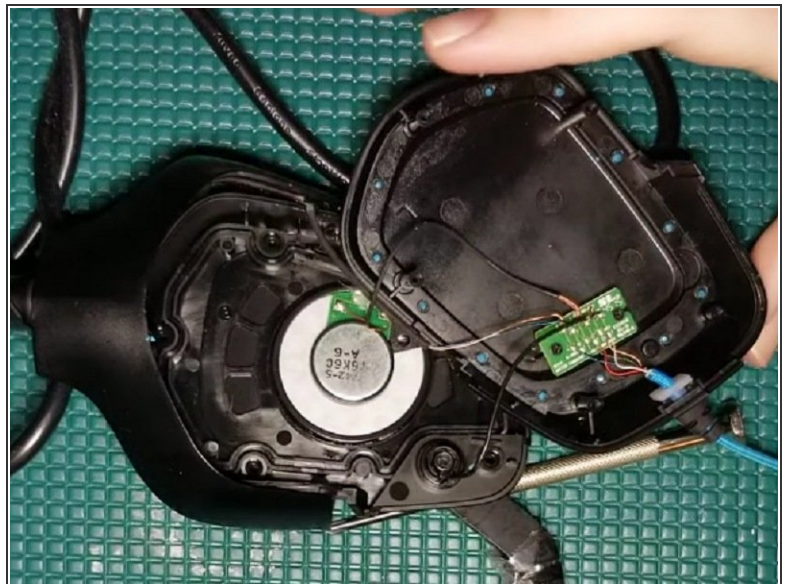
- Remove five screws using a Phillips #0 screwdriver.
- Pull the blue panel off of the ear piece.
- ✦ Separate these screws for ease of reassembly, as the second layer are a different size!

Step 3



- Flip up the microphone to get to the fifth screw in this layer.
- Remove five screws using a Phillips #1 screwdriver.

Step 4

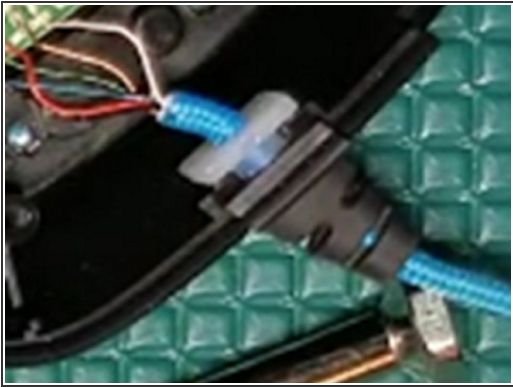
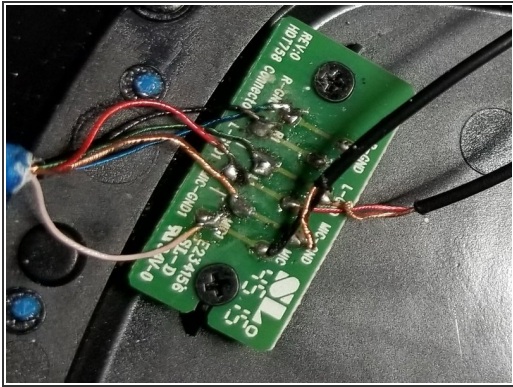


- Pull apart the casing to open it.
- Most of the connections will be to the small circuit board against the outside piece.

Step 5

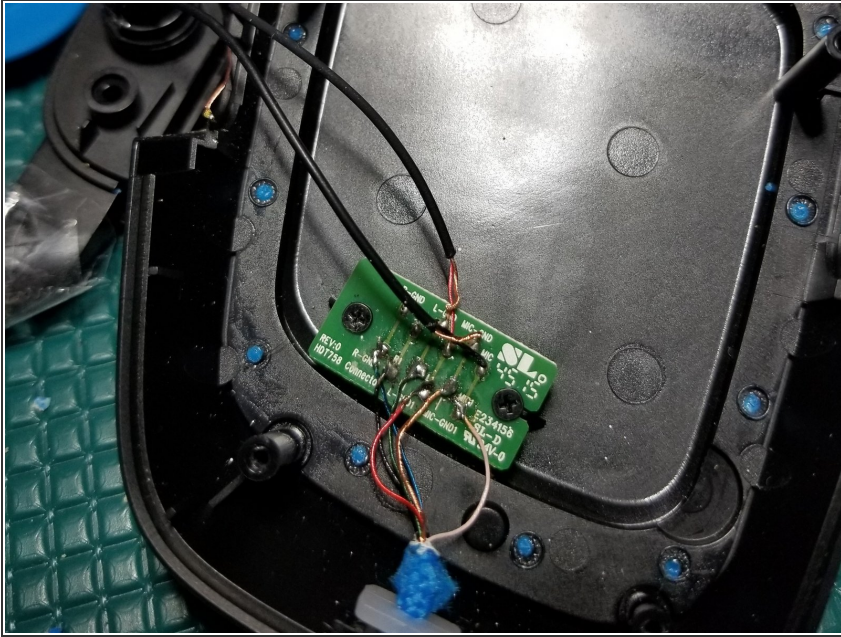
Wire	Pad label	Pad (or pin) from left to right: (T = Top, B = Bottom)
Blue - Blue	R-GND	B1
Blue - Black	R1	B2
Blue - Green	L-GND	B3
Blue - Red	L1	B4
Blue - Gold	MIC-GND	B5
Blue - Beige	Mic-1	B6

Wire	Pad label	Pad (or pin) from left to right: (T = Top, B = Bottom)
Right Black - Gold	R-GND	T1
Right Black - Blue	R	T2
Left Black - Gold	L-GND	T3
Left Black - Red	L	T4
Mic Black - Gold	MIC-GND	T5
Mic Black - Black	MIC	T6



- Evaluate the internal connections. There should be 6 wires soldered into the top of the board, and 6 wires soldered into the bottom of the board.
- See the table in the images for the pin connections list. Pins marked with T are on the top half of the circuit board, and B are on the bottom.
- ⓘ The first color of each wire lists the color of the casing grouping the wires together. For the top half, the component the wire is coming from is listed first.

Step 6

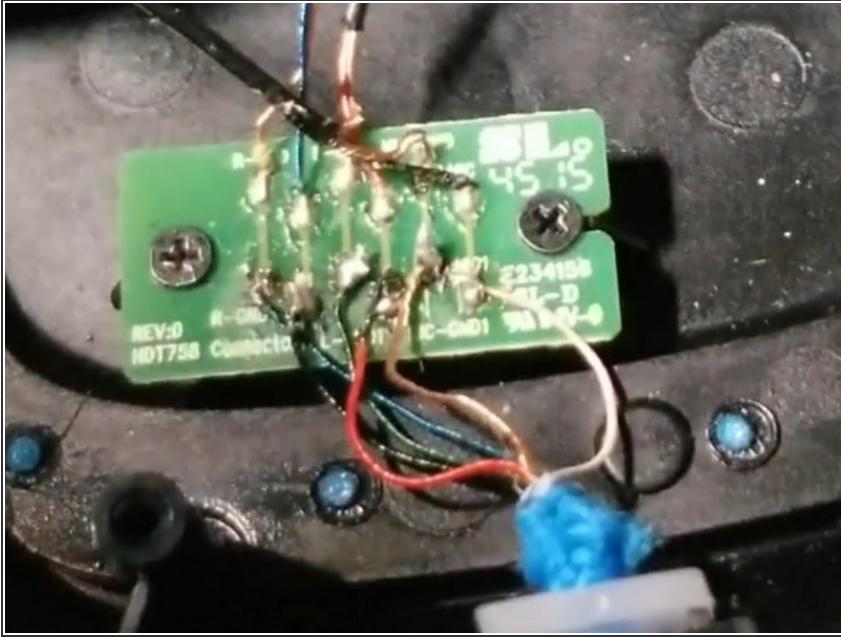


- Solder any severed connections. I recommend referencing [How To Solder and Desolder Connections](#) for how to do this!
- If necessary, you may have to strip some of the casing to expose enough of the wires to be able to reconnect them. You can get away with using scissors if nothing else, but I recommend using a wire stripper for this purpose, as instructed in [Wire Stripping](#).

⚠ Solder is a toxic substance, so do not inhale it. Do not eat or drink anything after handling solder until after you have thoroughly washed your hands.

⚠ The wires will get hot very quickly on contact with the iron, so be quick and careful not to burn yourself.

Step 7



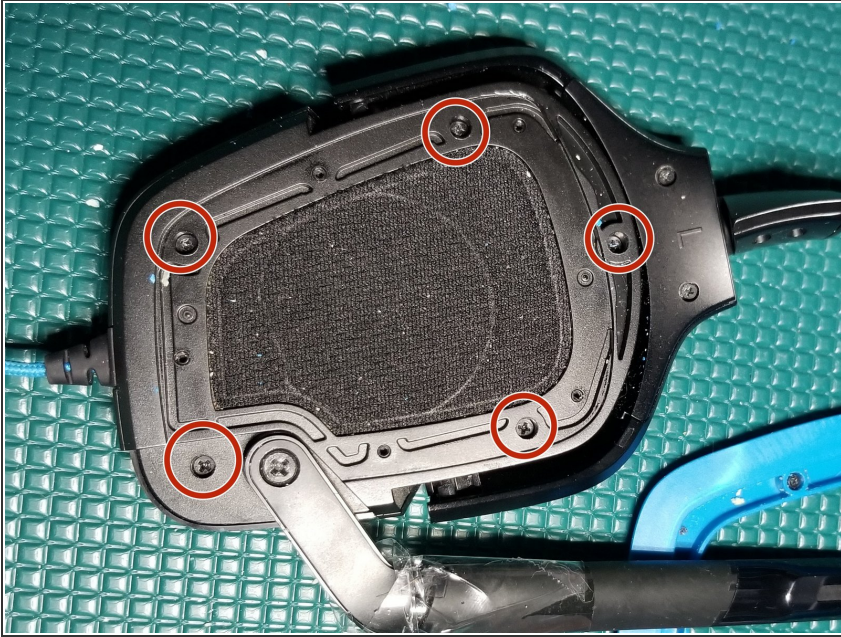
- After you have finished soldering all connections, test the headset by plugging it into a computer, and check each speaker and the mic. If it still doesn't work, you may not have soldered it correctly, or there might be another problem in the headset or cable.

Step 8



- Place the casing back together, and flip over to get to the screw holes.

Step 9



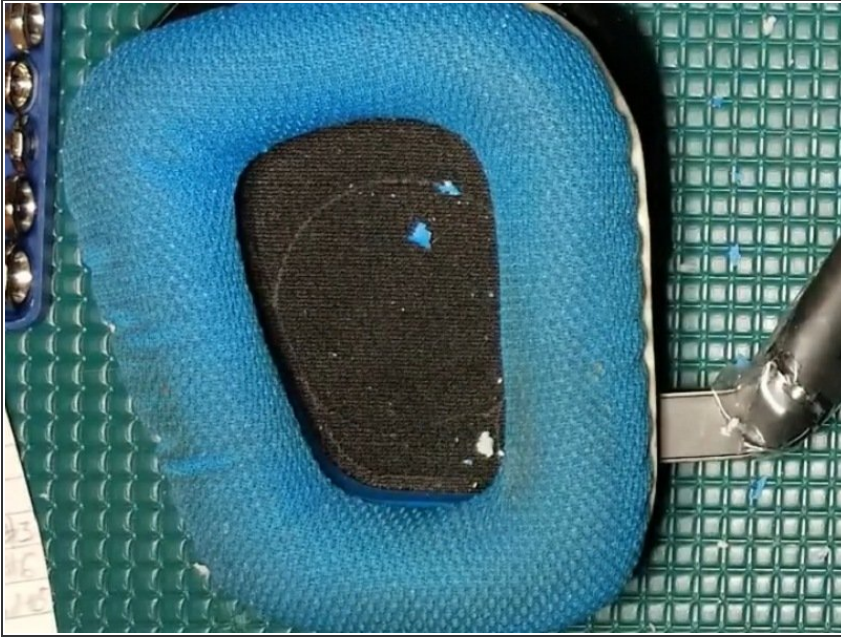
- Insert and tighten the bottom layer of screws using a Phillips #1 screwdriver.

Step 10



- Insert and tighten top layer of screws using a #1 Phillips screwdriver.

Step 11



- Replace foam padding by sliding the back of the padding over the top of the speakers in a downward motion, then pulling the bottom edges of the pads over the bottom of the speakers.

⚠ Don't forget to thoroughly wash your hands after putting away the solder!

Your headset should now be in working order and in one piece! Enjoy!