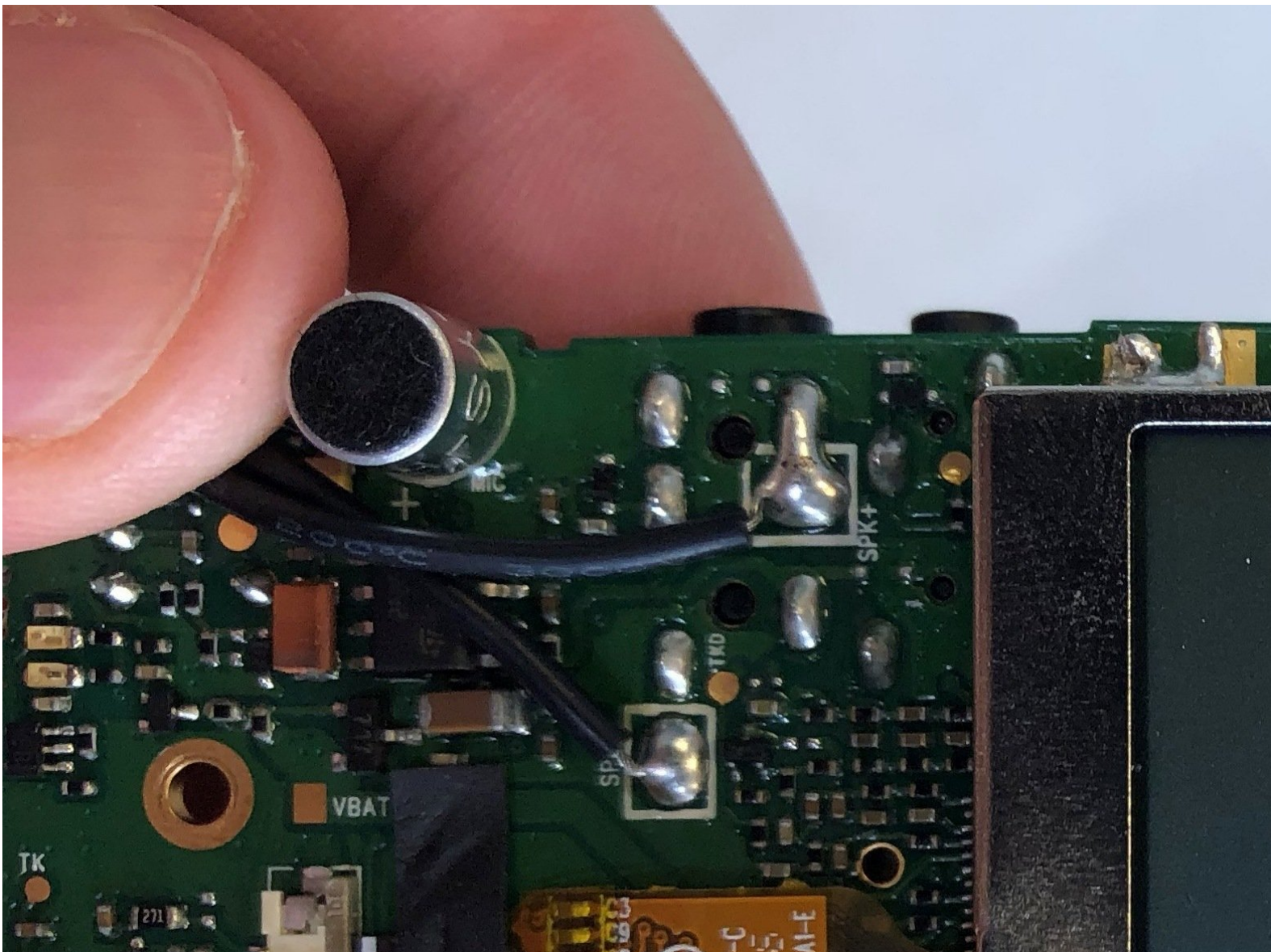




Hytera TC-580 Microphone Replacement

Replace the microphone on the Hytera TC-580 with some soldering.

Written By: Stuart



INTRODUCTION

Remove and replace the microphone built into the TC-580 circuit board. This will require soldering that could permanently damage the circuit board of your radio so please consider other options for repair. This repair is for users that can't have other parties hear them on the radio.



TOOLS:

- [iFixit Opening Tools](#) (1)
- [Phillips #0 Screwdriver](#) (1)
- [Precision Tweezers Set](#) (1)
- [T8 Torx Screwdriver](#) (1)
- [Spudger](#) (1)



PARTS:

- [AN0460W19 OEM Hytera UHF Antenna](#) (2)
- [Soldering Iron](#) (1)
- [Solder](#) (1)

Step 1 — Battery



- Remove the two 10mm Phillips #0 from the belt clip.

Step 2



- Push in the release button and pull up on the battery to remove.

Step 3 — Antenna



- Twist antenna counter-clockwise and set damaged antenna aside.

Step 4 — Keypad



- Remove the volume knob by firmly lifting up on both sides of it.

Step 5



- Remove the orange o-ring around volume knob using tweezers.

Step 6



- Remove grey nut from base of volume knob by turning it counterclockwise with a set of tweezers.

Step 7



- Remove the brass washer from the base of the antenna slot by turning it counterclockwise with a set of tweezers.

Step 8



- Remove the two 15mm T8 Torx screws from the base of the battery cavity.

Step 9



- Using a plastic opening tool, pry in between the plastic case and metal circuit board to remove the board.

Step 10



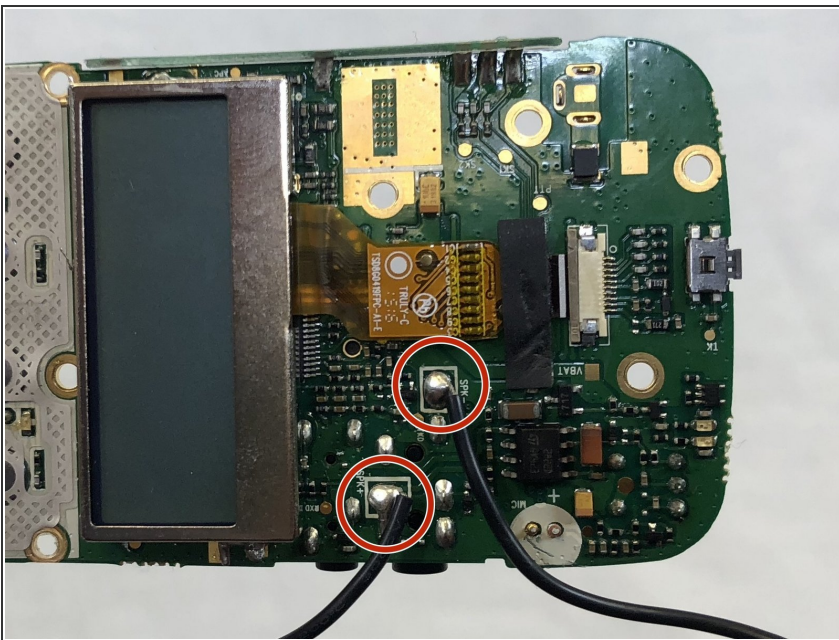
- Peel off the keypad by hand.

Step 11 — Speaker



- Remove eleven 4mm Phillips #00 screws.

Step 12



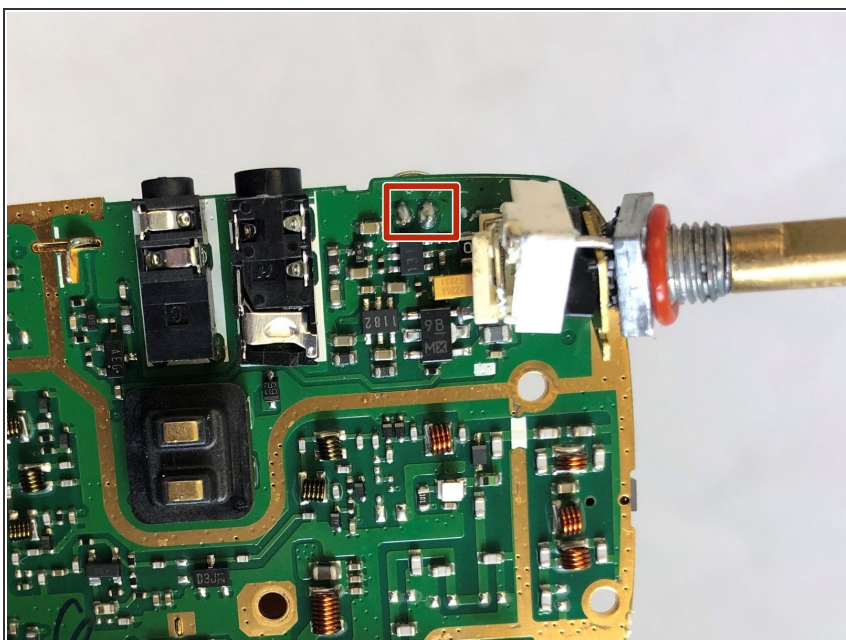
- Apply a soldering iron to the solder joints to remove the two wires connecting the speaker to the circuit board.

Step 13 — Microphone



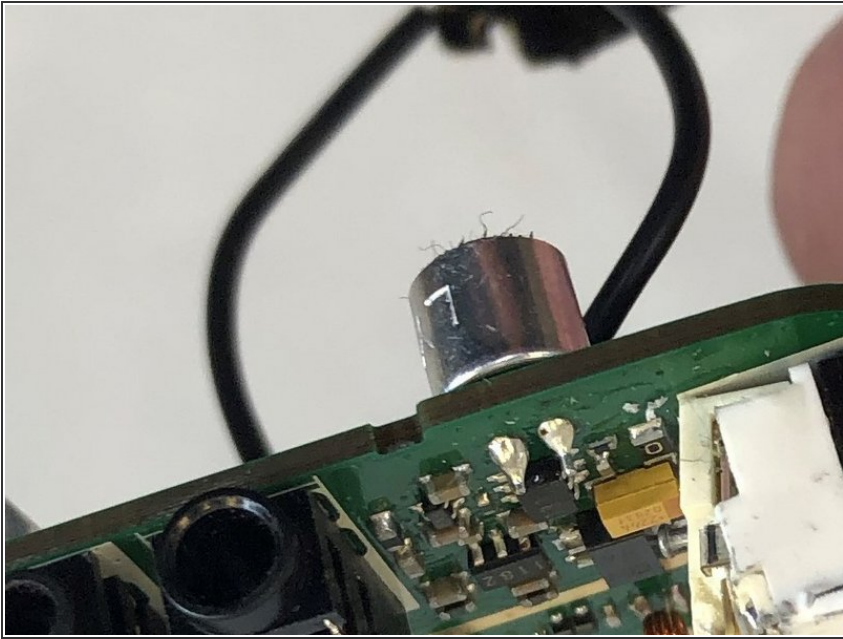
- If not already done, remove the circuit board completely from the case.

Step 14



- Desolder the two microphone solder joints.

Step 15



- The microphone should fall out after all the solder has been removed.

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