



Casio CTK-501 Battery Connection Replacement

This guide will walk you through the battery...

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INTRODUCTION

This guide will walk you through the battery connection replacement process for the Casio CTK-501.

The circuit board collects all the power from the keyboard. If the battery area has been damaged, repair to the connection circuit board may be needed. This repair may be needed if the device will not turn on after cleaning the battery area and replacing the batteries.

Soldering knowledge is needed. If you are unfamiliar with soldering, take a look at [this soldering guide](#) for more information.

Use caution while soldering not to burn yourself or your surroundings.

TOOLS:

[Phillips #2 Screwdriver](#) (1)

[Soldering Workstation](#) (1)

Step 1 — Bottom Panel



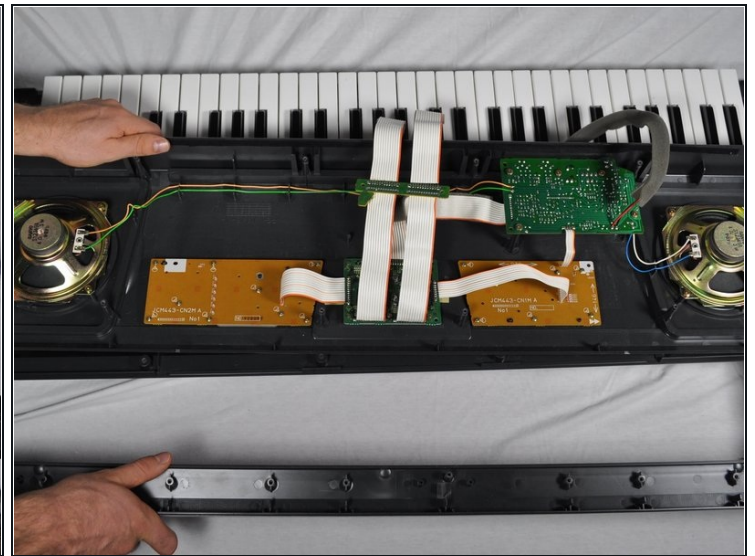
- Flip the keyboard over so that the bottom is facing up.
- Remove the twenty-seven 12 mm screws from the dark-grey panel using a Phillips #2 screwdriver.

Step 2



- Remove the bottom panel by lifting and pulling it towards yourself.

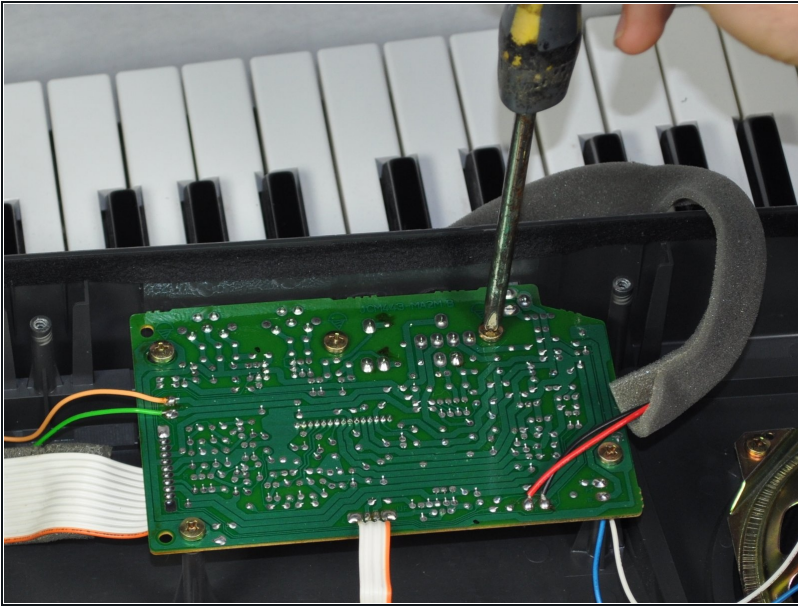
Step 3



- Flip open the top half of the keyboard.
- Set the keyboard onto the bottom half with the internal parts facing up.

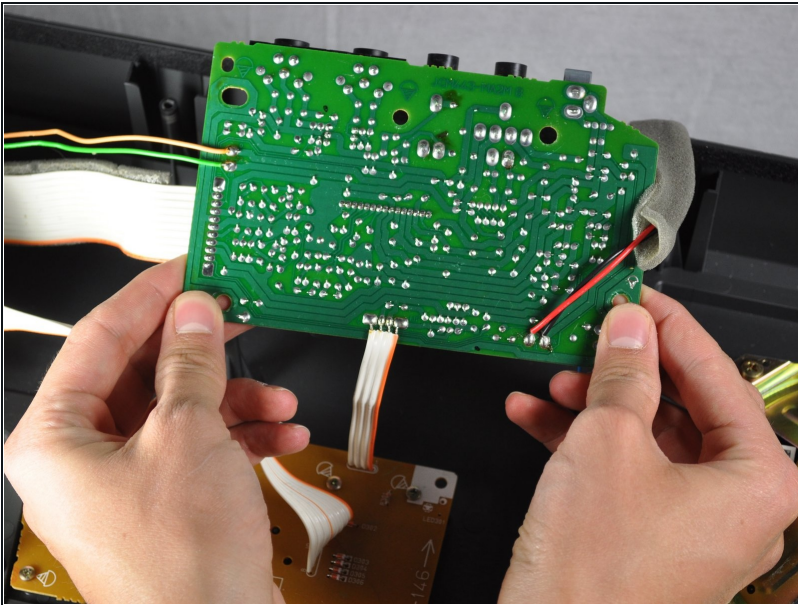
⚠ Be careful not to let the bottom drop.

Step 4 — Battery Connection



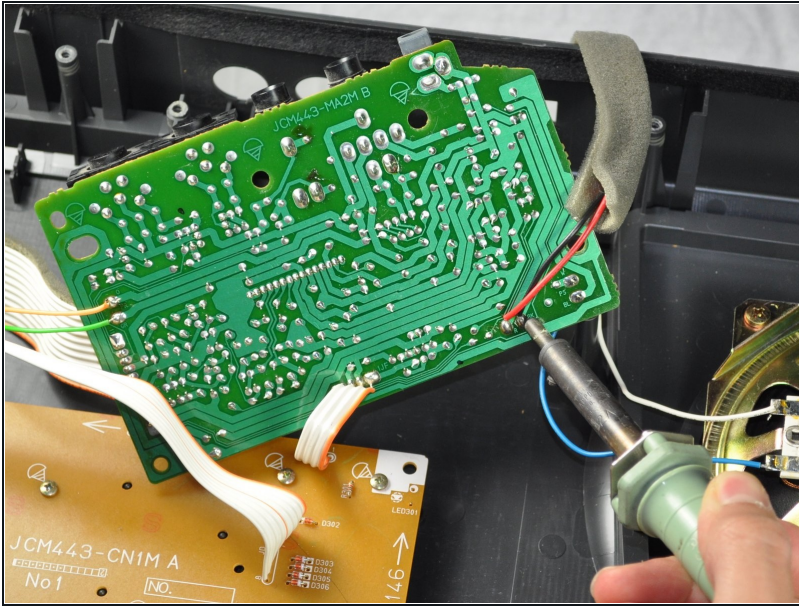
- Plug in the soldering iron.
- ⚠ Set the soldering iron somewhere safe, where it can't catch anything on fire.
- Unscrew the top green circuit board with black and red wires running through it.

Step 5



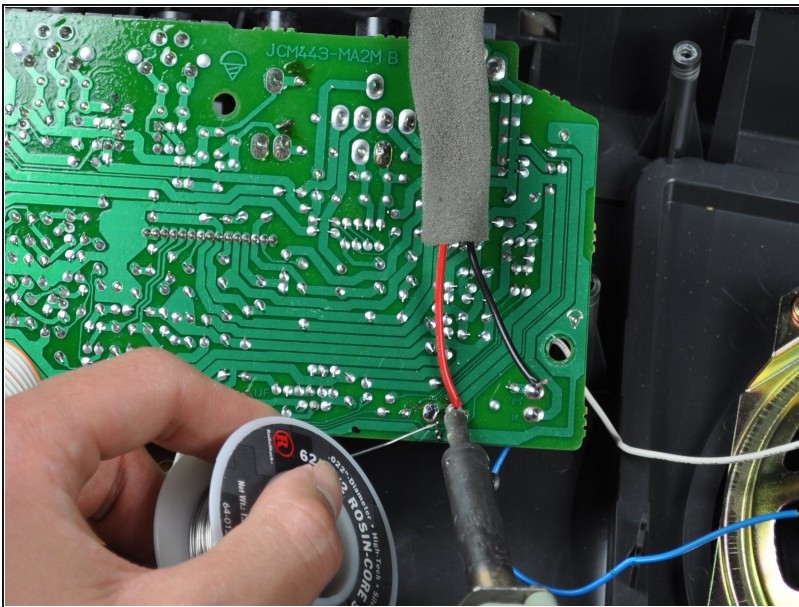
- Set the circuit board somewhere flat so it is safe to solder.

Step 6



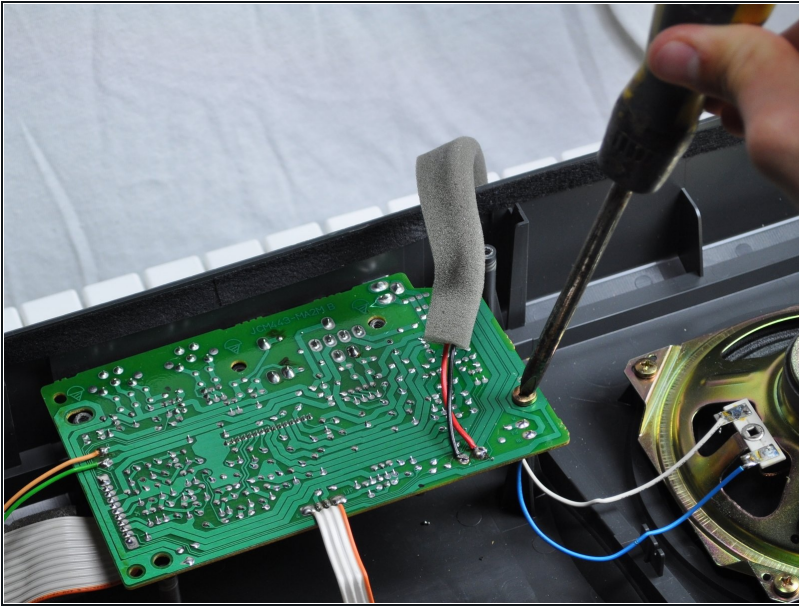
- Heat up the solder covering the end of the wires connected to the circuit board.
- Once the solder melts, remove the wires from the circuit board.

Step 7



- Melt new solder with your soldering iron.
- Then apply it over the tip of the wire resting on the circuit board.

Step 8



- Once the wires are firmly attached, screw the circuit board back into the keyboard.

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