



Casio CTK-501 Battery Connection Replacement

If the battery area has been damaged you might have to repair the connection to the circuit board that collects all the power for the keyboard.

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TOOLS:

- [Phillips #2 Screwdriver](#) (1)
 - [Soldering Workstation](#) (1)
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Step 1 — Bottom Panel



- Flip the keyboard upside down so the bottom is angled towards you.

Step 2



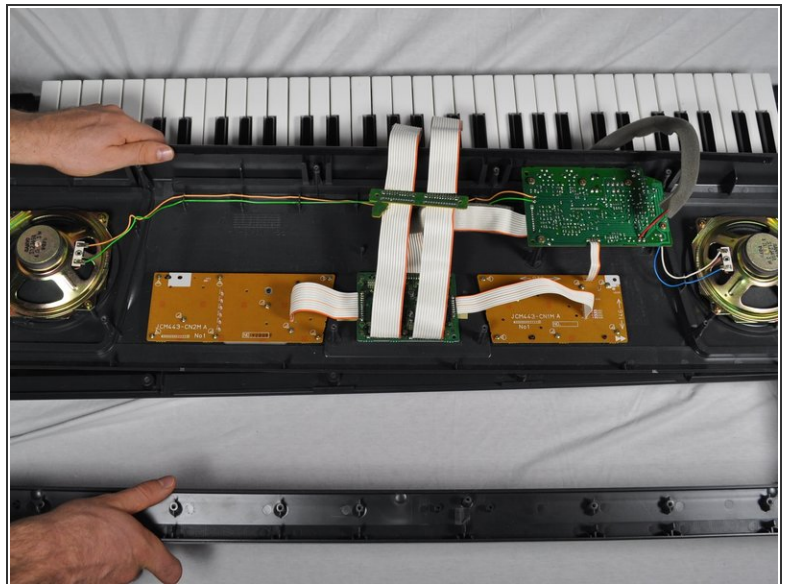
- Use a #2 Phillips screwdriver to remove the twenty-seven 12 mm screws from the dark gray bottom panel.


Step 3



- Remove the bottom panel by lifting the bottom panel up and outward from yourself.

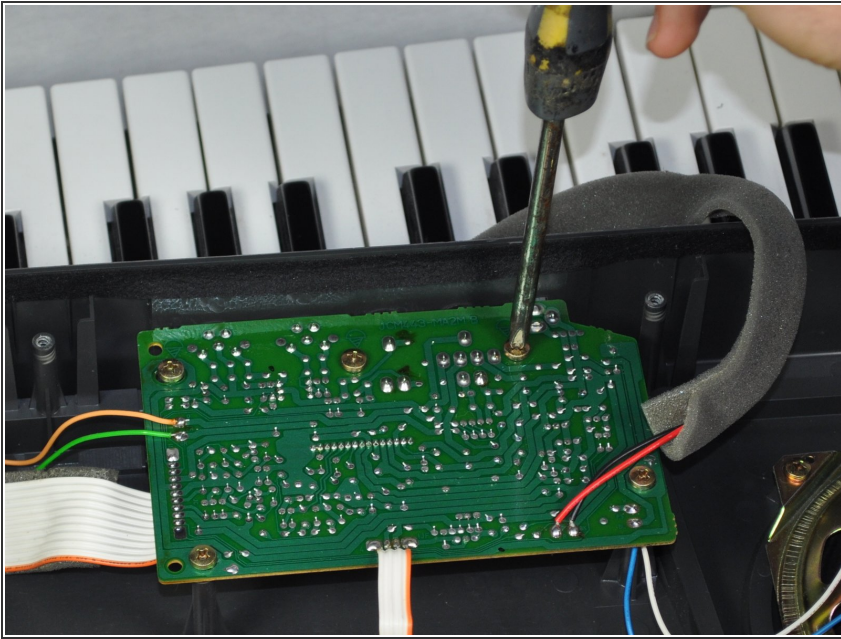
Step 4



 Flip the entire keyboard so the keys face up, and be careful not to let the bottom drop.

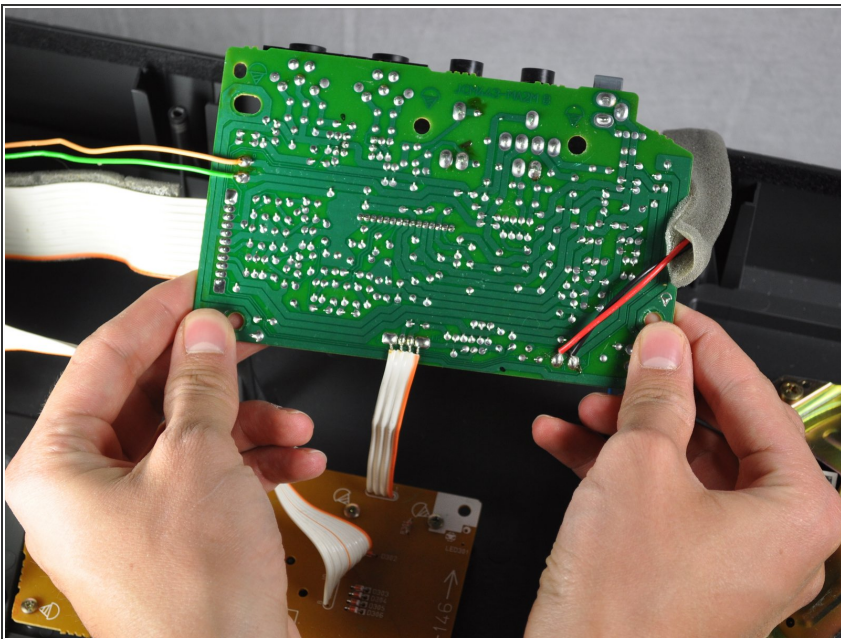
- Flip the top half of the keyboard and set onto the bottom half with the internal parts facing up.

Step 5 — Battery Connection



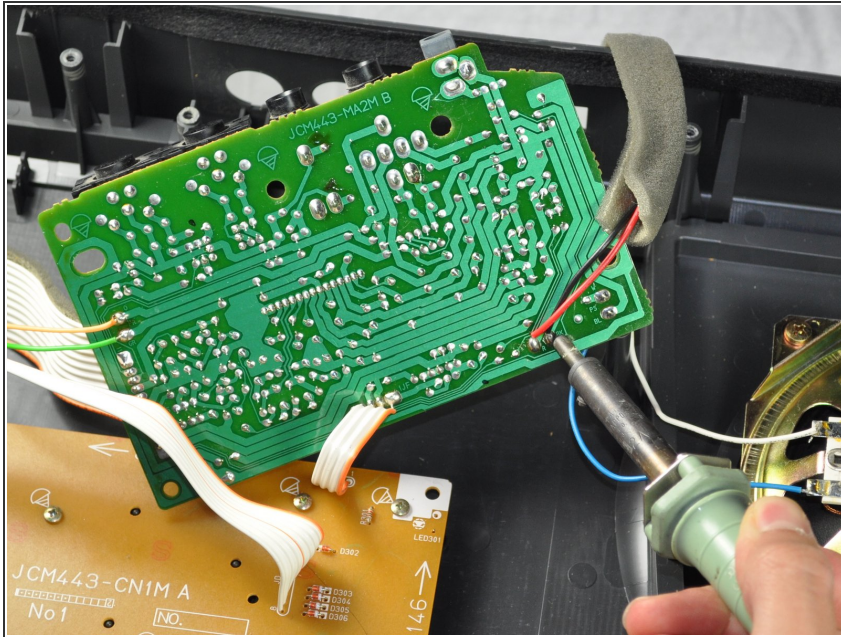
- ⚠ Plug in the soldering iron and set it somewhere safe where it can't catch anything on fire.
- Unscrew the top green circuit board with black and red wires running into it.

Step 6



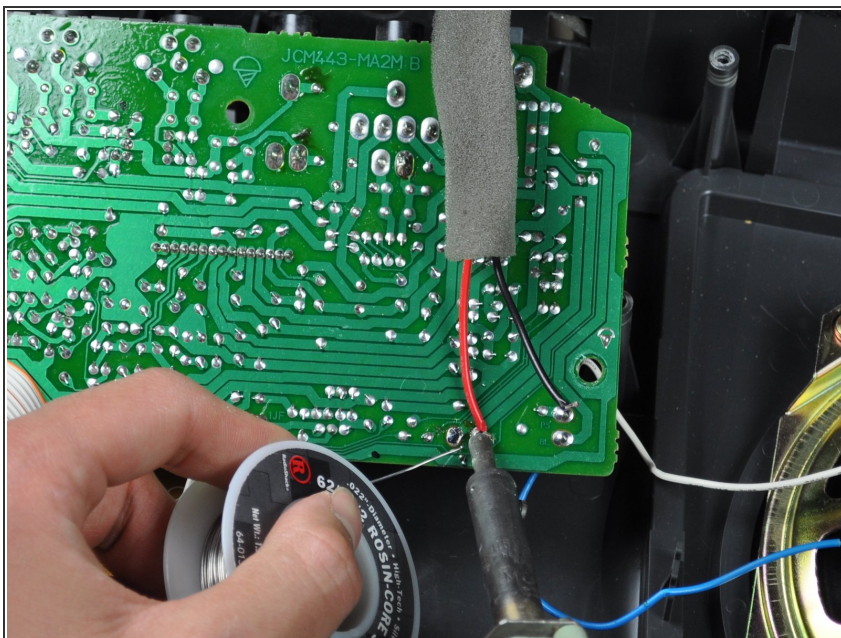
- Set the circuit board somewhere flat so it is safe to solder.

Step 7



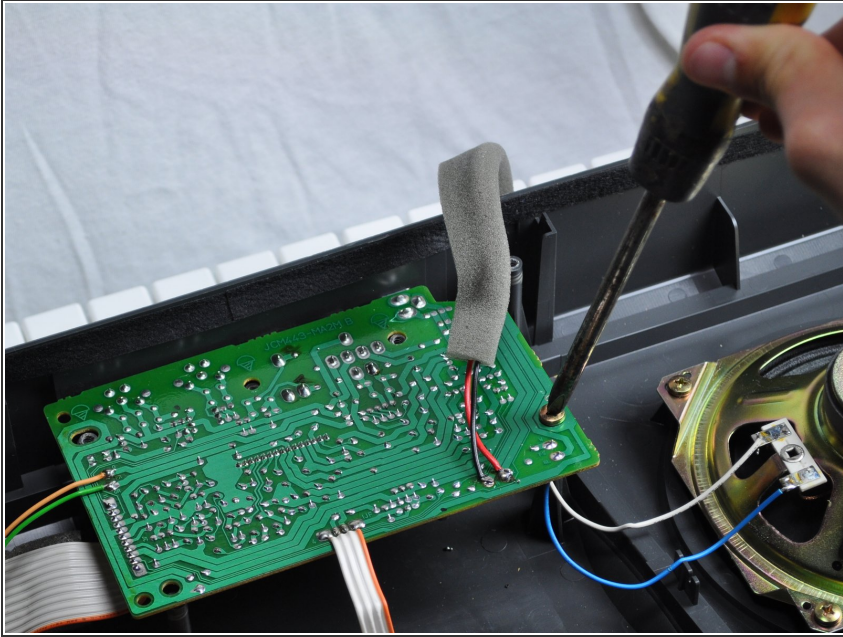
- Heat up the solder covering the end of the wires connected to the circuit board. Once the solder melts, remove the wires from the circuit board.

Step 8



- Melt new solder with your soldering iron, then apply it over the tip of the wire touching the circuit board.

Step 9



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

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