How to disassemble a solar circuit board

How do you remove a heat sink from a circuit board?
Pull the white wire out of the hot glue. Unbolt the heatsink with a 5.5-mm socket and a Phillips PH1 screwdriver. Remove the heat sink; it should detach from the bottom of the device. Remove the T-10 torx screw on the bottom of the device that attaches the base tube to the circuit board. Turn the device so that the base tube is on top.

How do you attach a base tube to a circuit board?
Remove the T-10 torx screw on the bottom of the device that attaches the base tube to the circuit board. Turn the device so that the base tube is on top. Remove the base tube by pulling up. May need to cut the rubber adhesive between the base tube to the circuit board.

How do you adjust a solar cell?
You do this by checking the voltage and the amperage produced by the solar cell. On a good sunny the best as you can get,adjust the cell as close to a 900 angle to the sun. Just a small cloud across the sun,or the cell not facing the sun at a 900 angle can affect the cells output.

How does a solar cell switch a transistor?
To perform the switching you need a diodebetween the transistors base and its emitter,(PNP Transistor) or the collector,(NPN Transistor). The diode isolates the base of the transistor from the batteries so only the solar cell powers the transistors base.

What happens when a solar cell is not producing power?
When the solar cell is producing power,the power is applied to the base and the collector of Q1,the transistor switches to closed,and lights up the LED. When the solar cell is in the dark and not producing power,no power reaches Q1s base and the transistor is open turning off the LED.

How do you disconnect a ribbon cable?
Open the device along its seam. Be careful when separating the device because there are wires connecting the two seperate halves. Disconnect the ribbon cable connector from the top half of the device by pulling outward and parallel to the connecting pins.

This guide provides the steps necessary to disconnect the circuit board from the bottom plastic housing. It also goes over how to remove the heat sink and base tube in order to get to the ...

Simple Solar Circuits: Each spring I gather solar lights my neighbors tossed in the garbage after the lights have stopped working. The ones that only need minor repairs, I repair, and the ones that need major work I strip for parts and ...

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To get some parts to play with, I am disassembling a computer power supply. This instructable will cover the graceful butchery of the circuit board. Snipping the wire leads on parts results in short stumps that are hard to work with later, so I decided to unsolder all the parts from the circuit board. Wires from the component parts pass through ...

5252F solar LED chip pinout. If your circuit board doesn"t use the 5252 chip, you"ll just have to do your best. Some of those boards still label S+ (solar positive), B+ (battery positive), and L+ (LED positive), so if a wire fell ...

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1. Turn off the circuit breaker that supplies power to the solar panel system. 2. Use a voltage tester to verify that there is no current flow in the system. 3. If your solar panel system has a rapid shutdown button, press it to deactivate the live connection between the panels and the electrical grid. Unplugging Solar Panels from One Another

(Circuit Setup + Why) The Solar Controller is Too Small - The primary reason to install a fuse or breaker is when the voltage from the solar panels is too much for the solar controller to handle. ...

This is a how-to video that explains how to remove and reinstall the printed circuit boards on models: "AOU9RL2, AOU9R2, AOU9RL, AOU9RLFC, AOU9RLFF, AOU9RLFF...

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