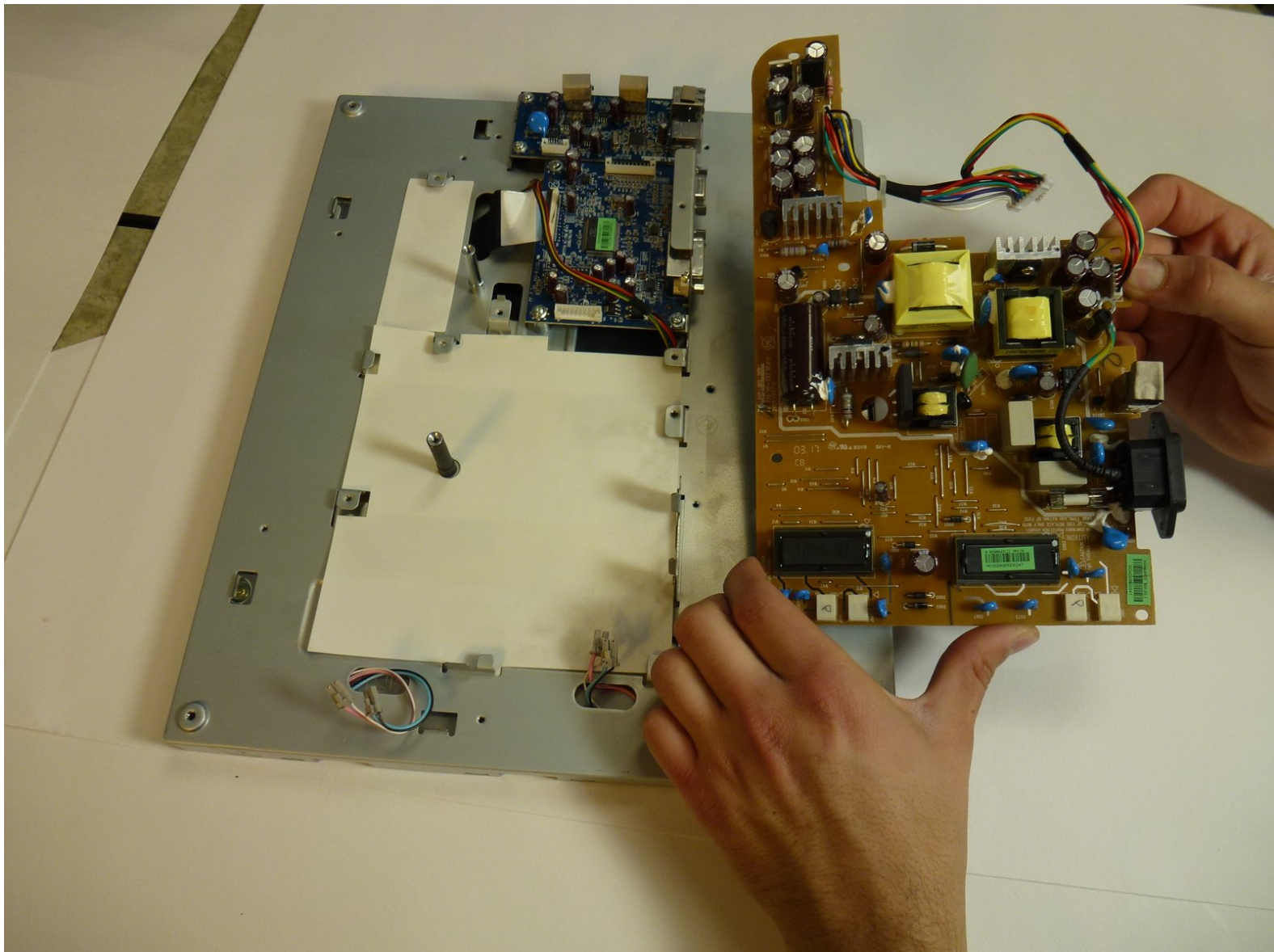




NEC LCD1770NX Power Circuit Board Replacement

Use this guide to remove the circuit board for soldering.

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INTRODUCTION

The power circuit board controls the flow of power to the monitor to prevent overload. If there is a problem with the power supply, the entire circuit board must be removed before any soldering may occur.



TOOLS:

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

Step 1 — Stand



- Place the monitor face down on a clean, flat surface.

Step 2



- Firmly remove the back panel of the stand by pulling it up and away from the monitor.

Step 3



- Unscrew the two 6mm Phillips PH2 screws to detach the stand enclosure from the stand.

Step 4



- Firmly grasp the stand enclosure with your hand and slide it to base of stand.

Step 5



- Unscrew the two 14.5mm Phillips PH2 screws holding the stand to the monitor.

Step 6



- Lift the the stand straight up to remove it.

Step 7 — Monitor Enclosure



- Place the monitor screen face up.
- Pull the frame off by placing your fingers on the inside of the frame and pulling out and up, the frame should snap off.
- Continue your way around the screen.

Step 8

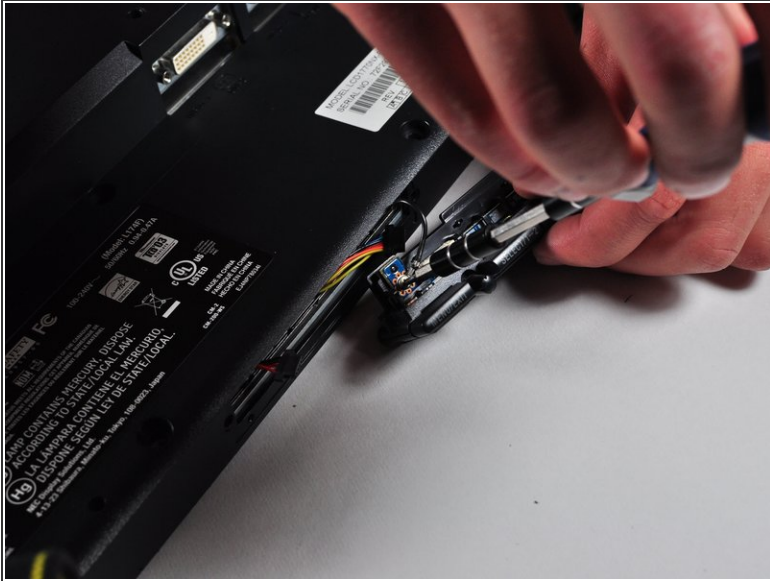


- Unscrew the two 7mm screws from the bottom of the button assembly.

 Do not pull the button assembly out too quickly or with too much force! Damage to the wires can occur.

- Pull the button assembly out a few inches and unplug the colored cables.

Step 9



- Unscrew the gold colored 7mm Phillips PH000 screw holding the button assembly to the monitor.
- Remove the button assembly from the monitor.

Step 10



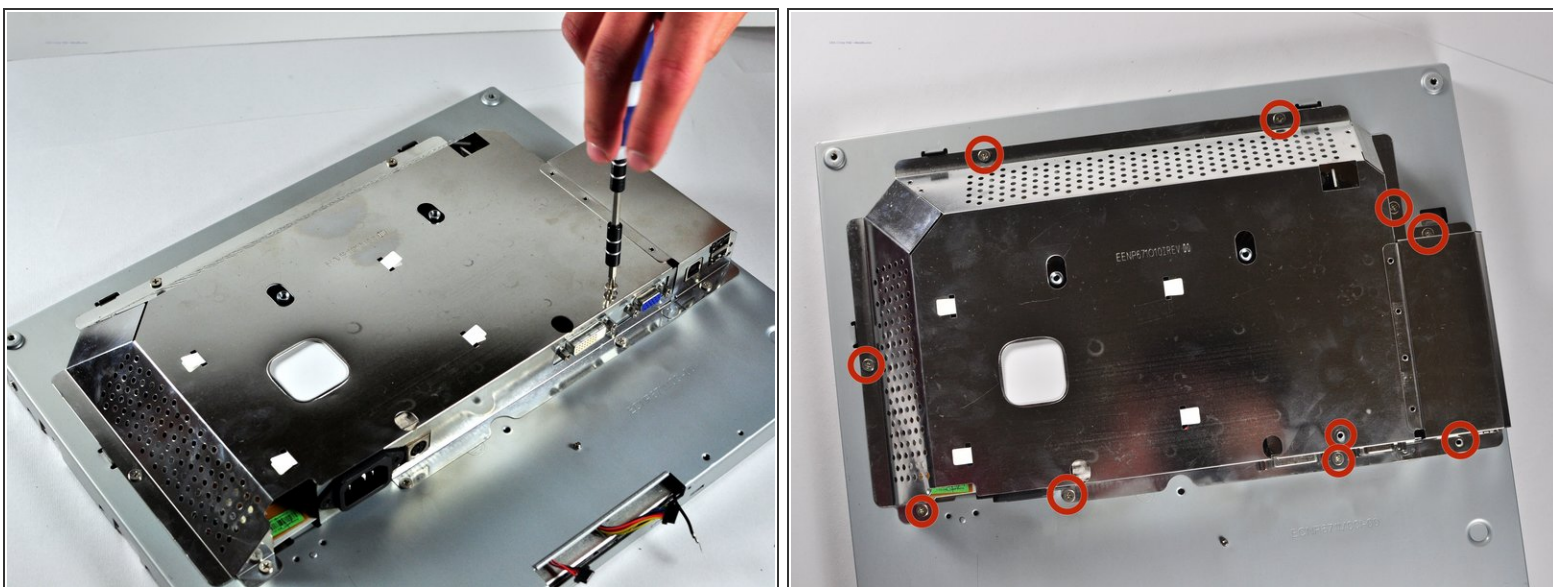
- With the monitor face-down, unscrew the 5 7mm Phillips PH2 screws around the outside of the enclosure.

Step 11



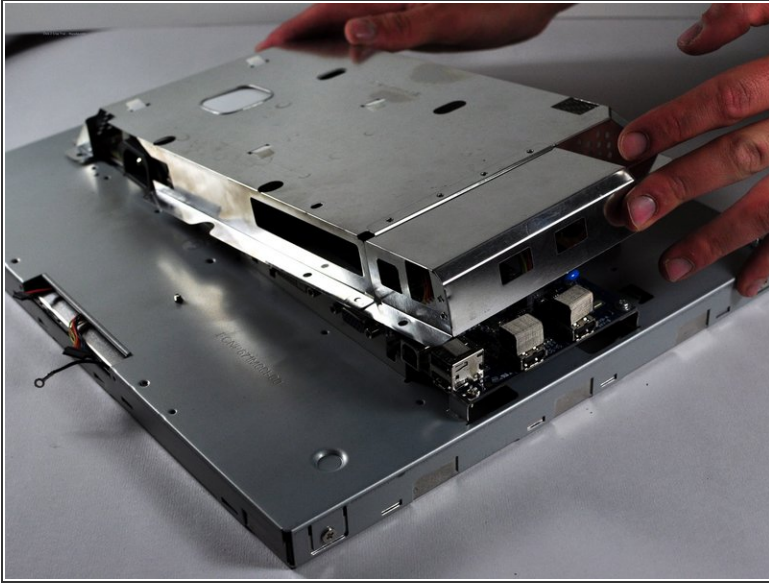
- Unscrew the 2 14.5mm Phillips PH2 screws located on the raised center of the enclosure.
- Carefully pull the enclosure off the monitor.

Step 12



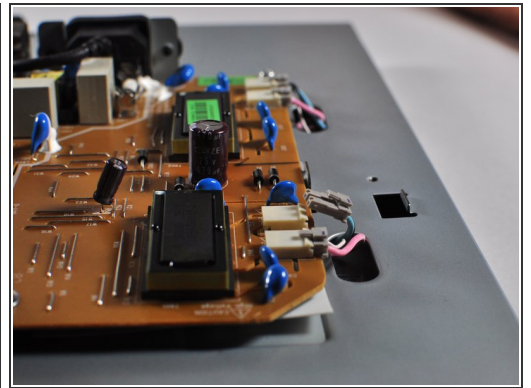
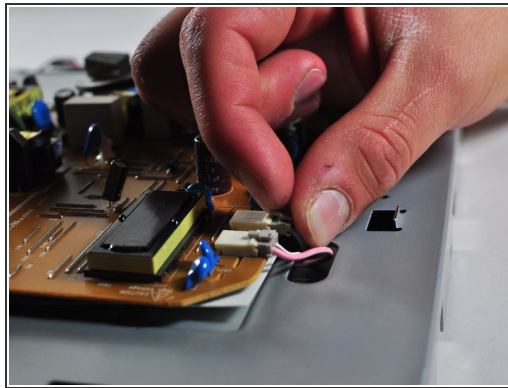
- Unscrew the 10 5mm Philips PH2 screws holding the metal casing to the monitor.

Step 13



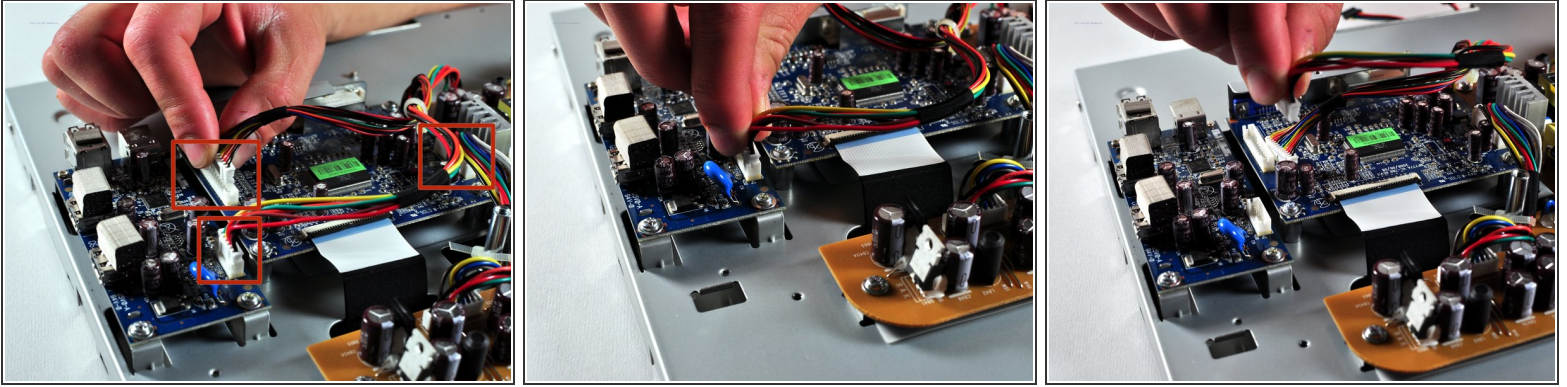
- Pull the the metal casing off of the monitor to reveal the motherboards.

Step 14 — Power Circuit Board



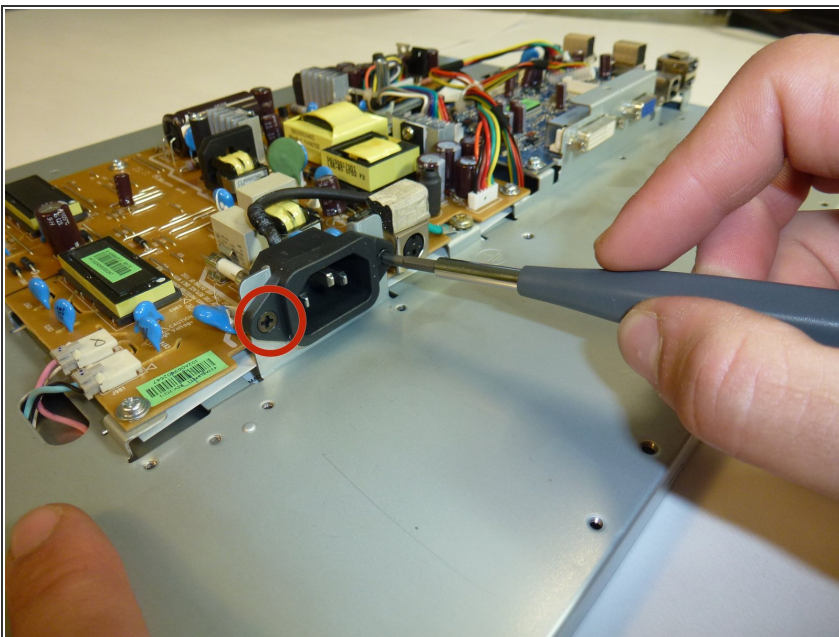
- Make a note or use a pen to mark which plugs correspond to which colors. (Pink or Blue)
- Remove the four plugs on the brown circuit board by pulling up on the tabs and wiggling them out. You could also use a spudger to help you lift little clips holding them in.

Step 15



- Locate the several multi-wire connectors on the board.
- i These connect several parts of each board together and consist of several different colors of wires. There is also a zip-tie holding the two sets of wires together that you can cut if it is getting in your way.
- Disconnect the three plastic connectors from the blue colored boards by pulling them up while wiggling them.
- i Some force is necessary, it may also help to use the [Large Needle Nose Pliers](#).

Step 16



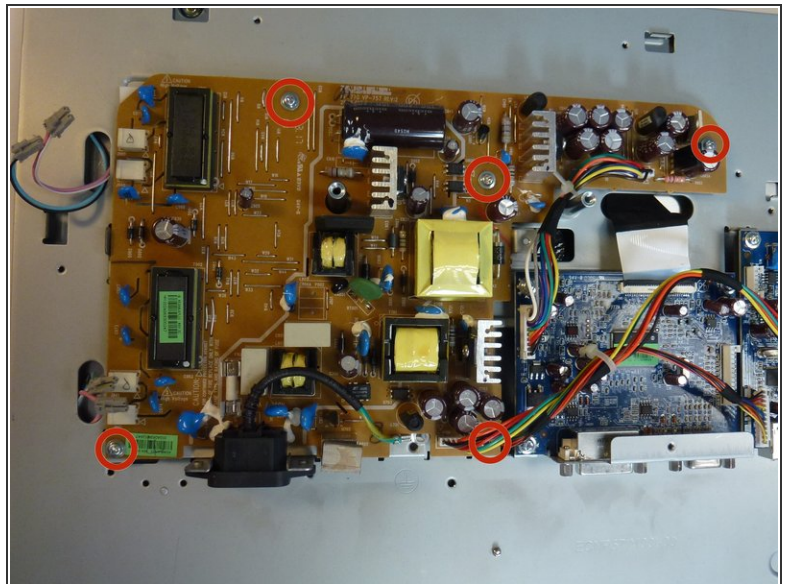
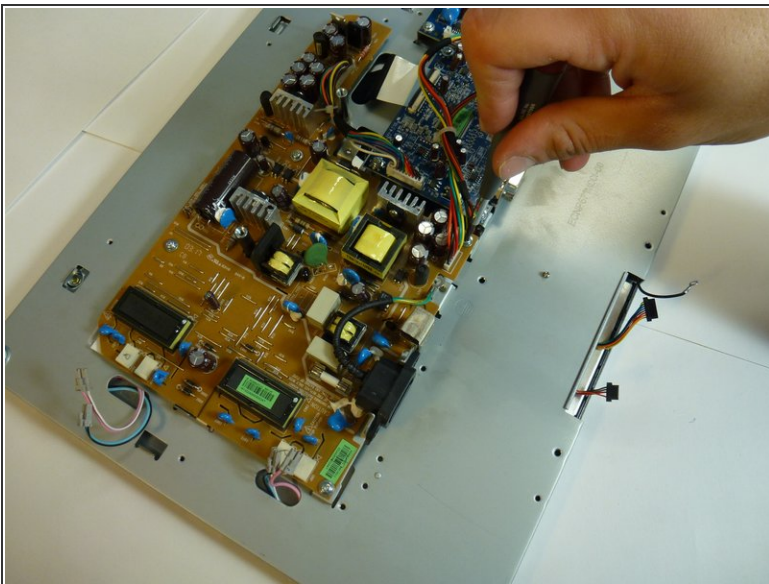
- Locate the large black power plug.
- Using a [Phillips #1 Screwdriver](#), unscrew the two 8mm colts holding the black tabs to the metal frame.

Step 17



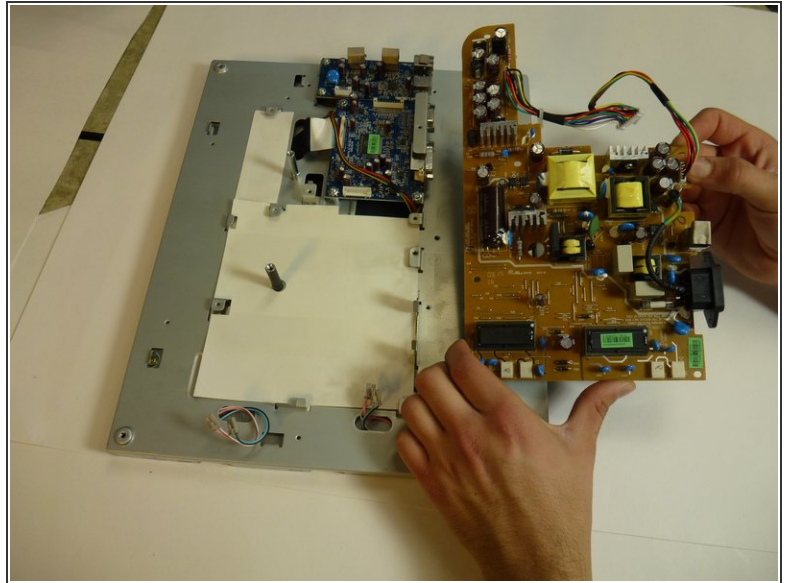
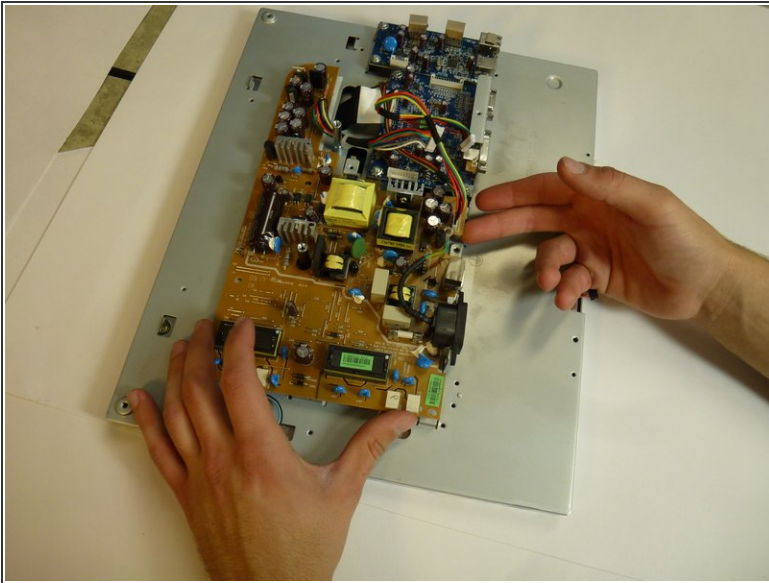
- Locate and remove the gold colored 10mm Philips screw located near the black power plug. It holds in a wire that connects to the power plug.

Step 18



- Remove 5 8mm Phillip1 screws, with a Philips 1 screwdriver, located in various places on the board.

Step 19



- Lift the brown power supply board off of the frame and set it aside.

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