NEC LCD1770NX Power Circuit Board Replacement
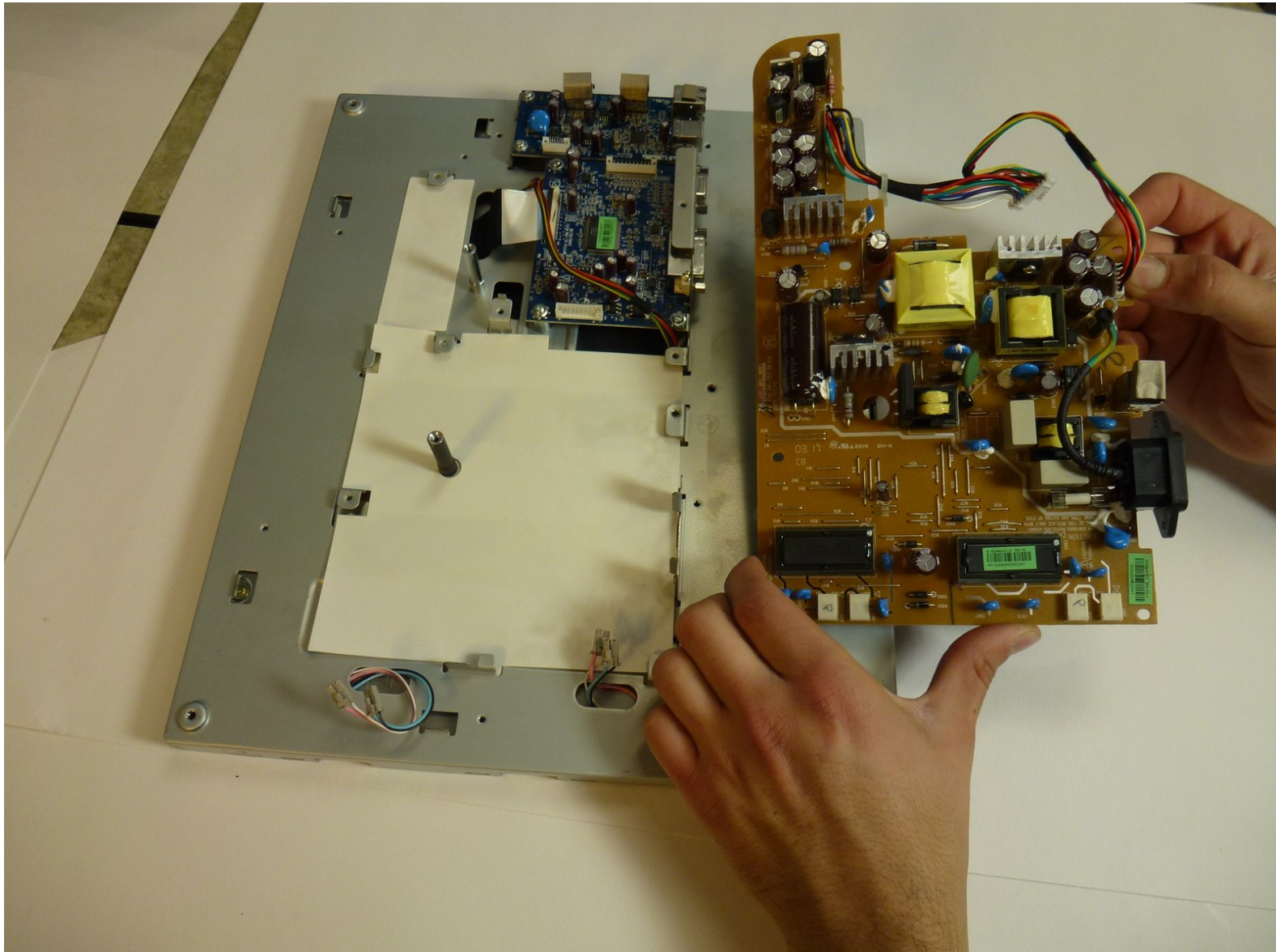
Use this guide to remove the circuit board for soldering.

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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)

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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.

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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.

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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.

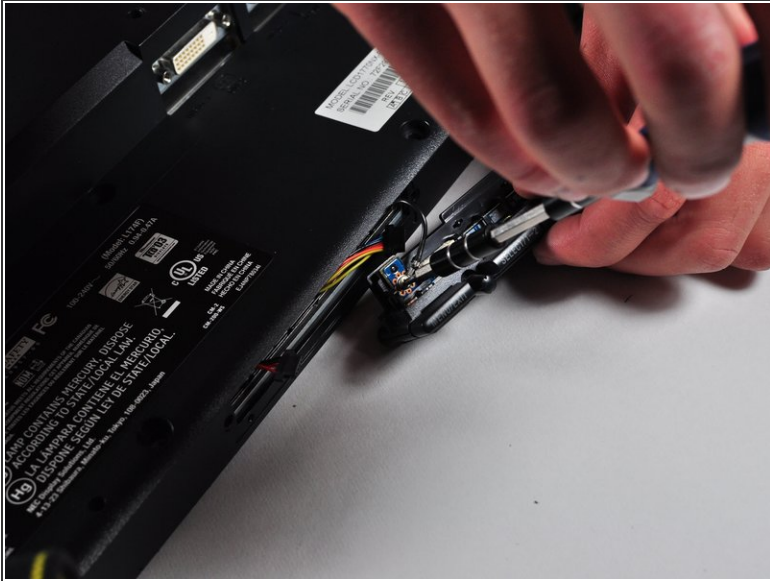- Continue your way around the screen.

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.
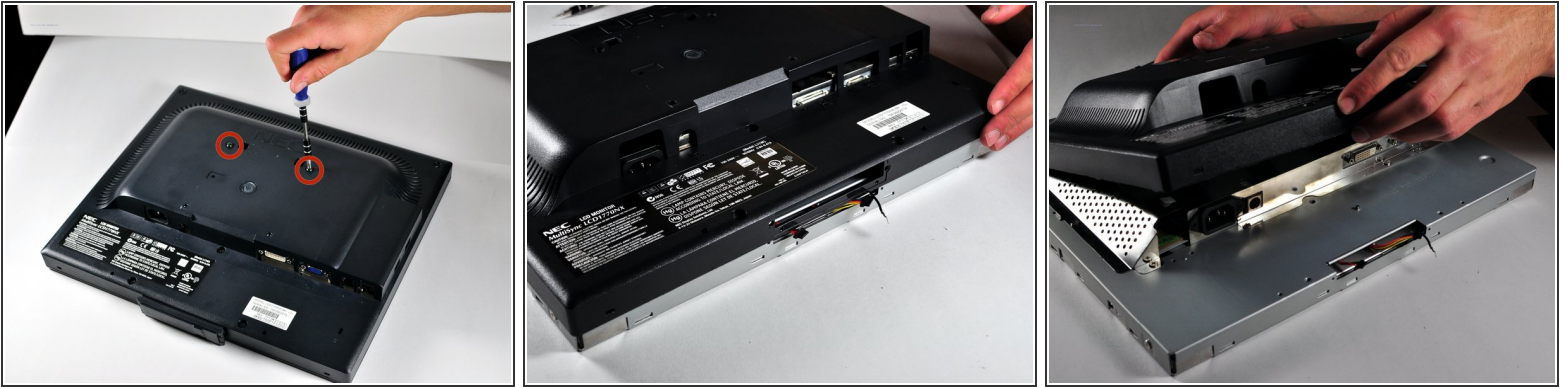
Step 9

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

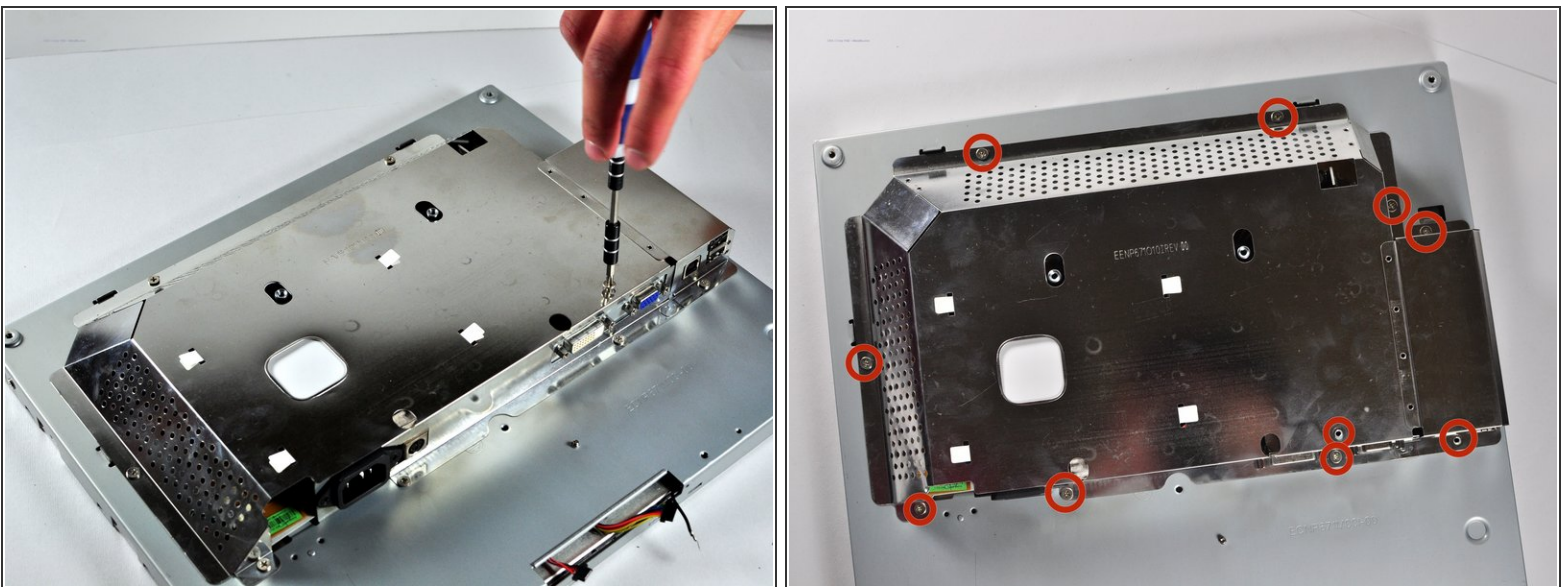- Remove the button assembly from the monitor.

Step 10

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

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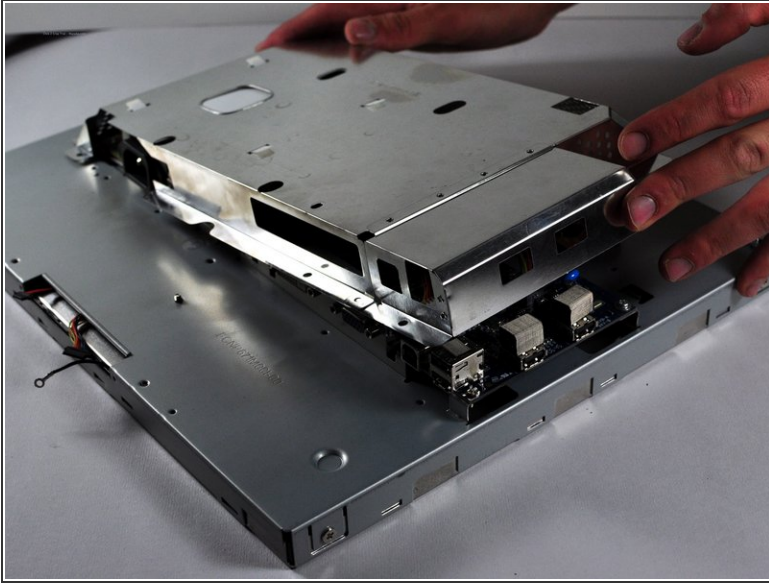

Step 11

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

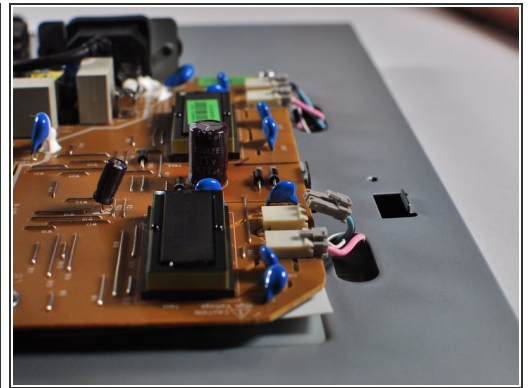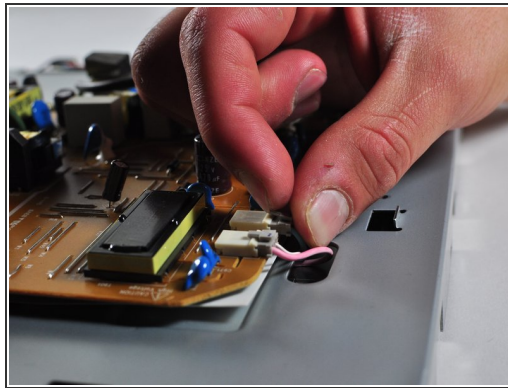- Carefully pull the enclosure off the monitor.

Step 12

- Unscrew the 10 5mm Philips PH2 screws holding the metal casing to the monitor.
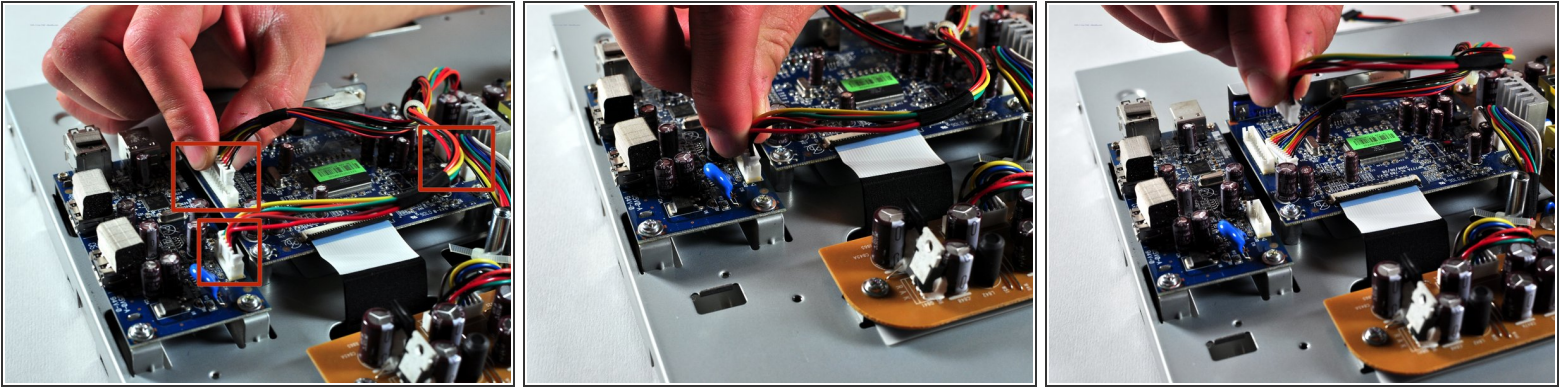
Step 13

- Pull the the metal casing off of the monitor to reveal the motherboards.
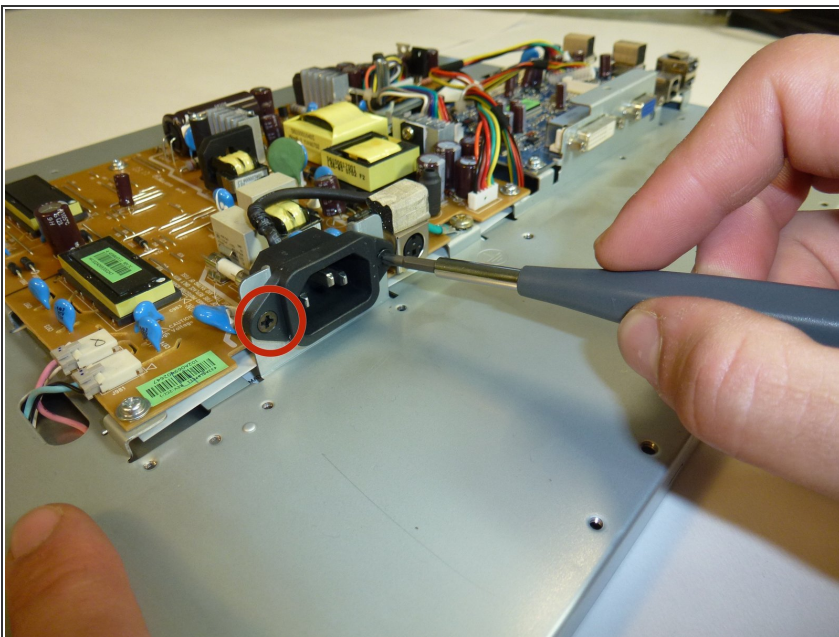
Step 14 — Power Circuit Board

- 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.

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Step 15

- Locate the several multi-wire connectors on the board.

- ⓘ 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.

- ⓘ Some force is necessary, it may also help to use the Large Needle Nose Pliers.

Step 16
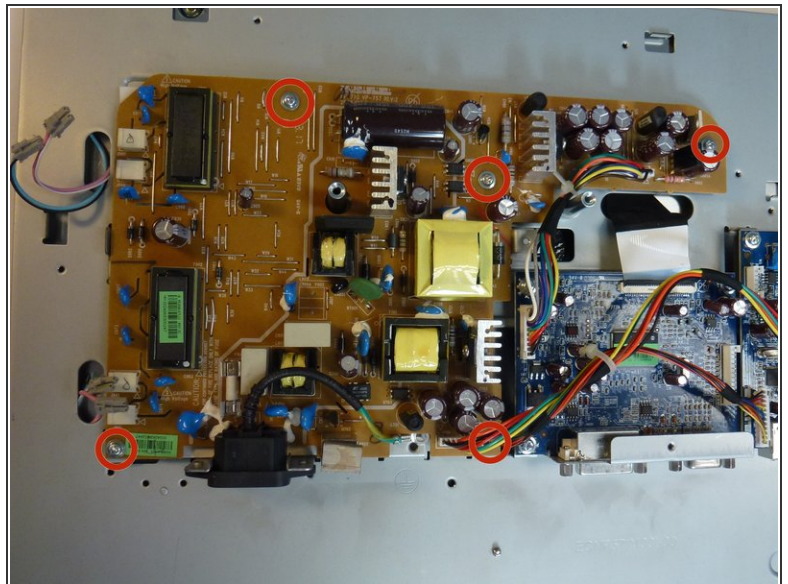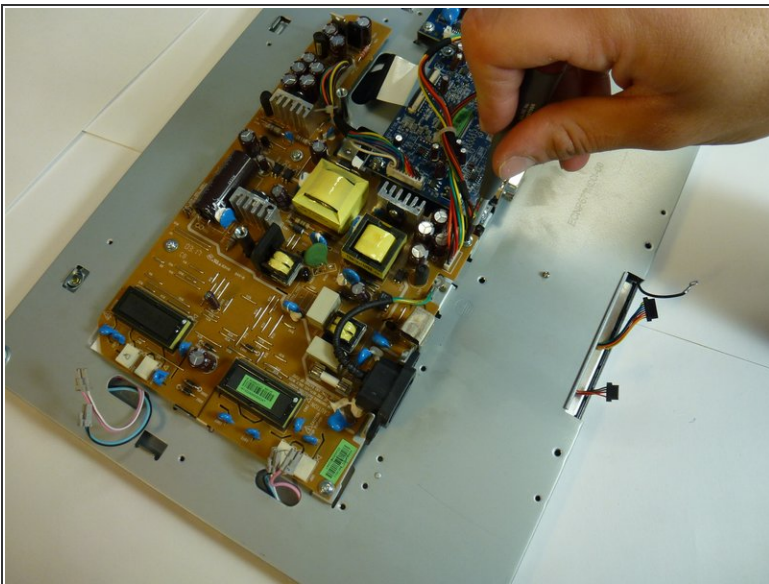

- Locate the large black power plug.

- Using a Phillips #1 Screwdriver, unscrew the two 8mm colts holding the black tabs to the metal frame.

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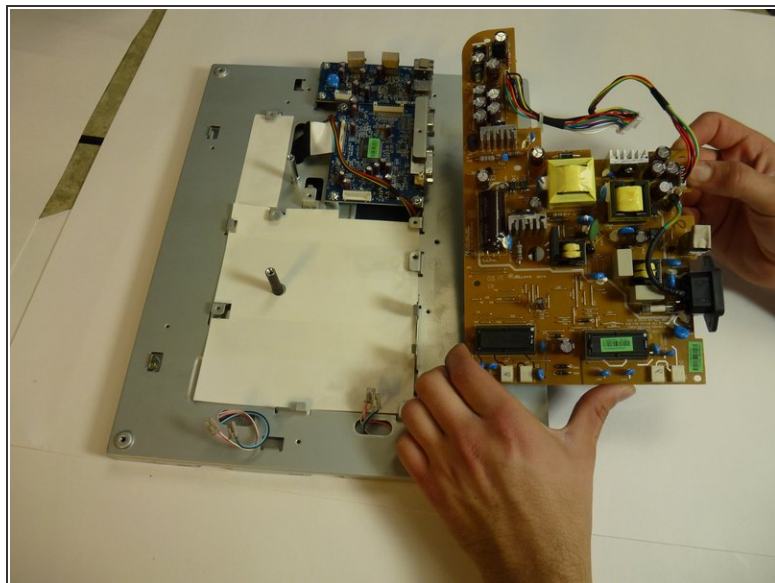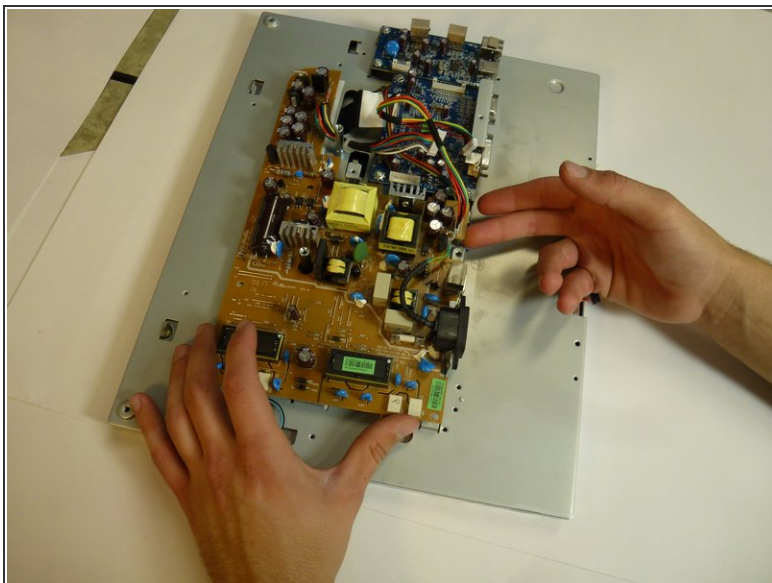
Step 17

● 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.

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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.