Dell 1907FPc Monitor Power Supply Replacement
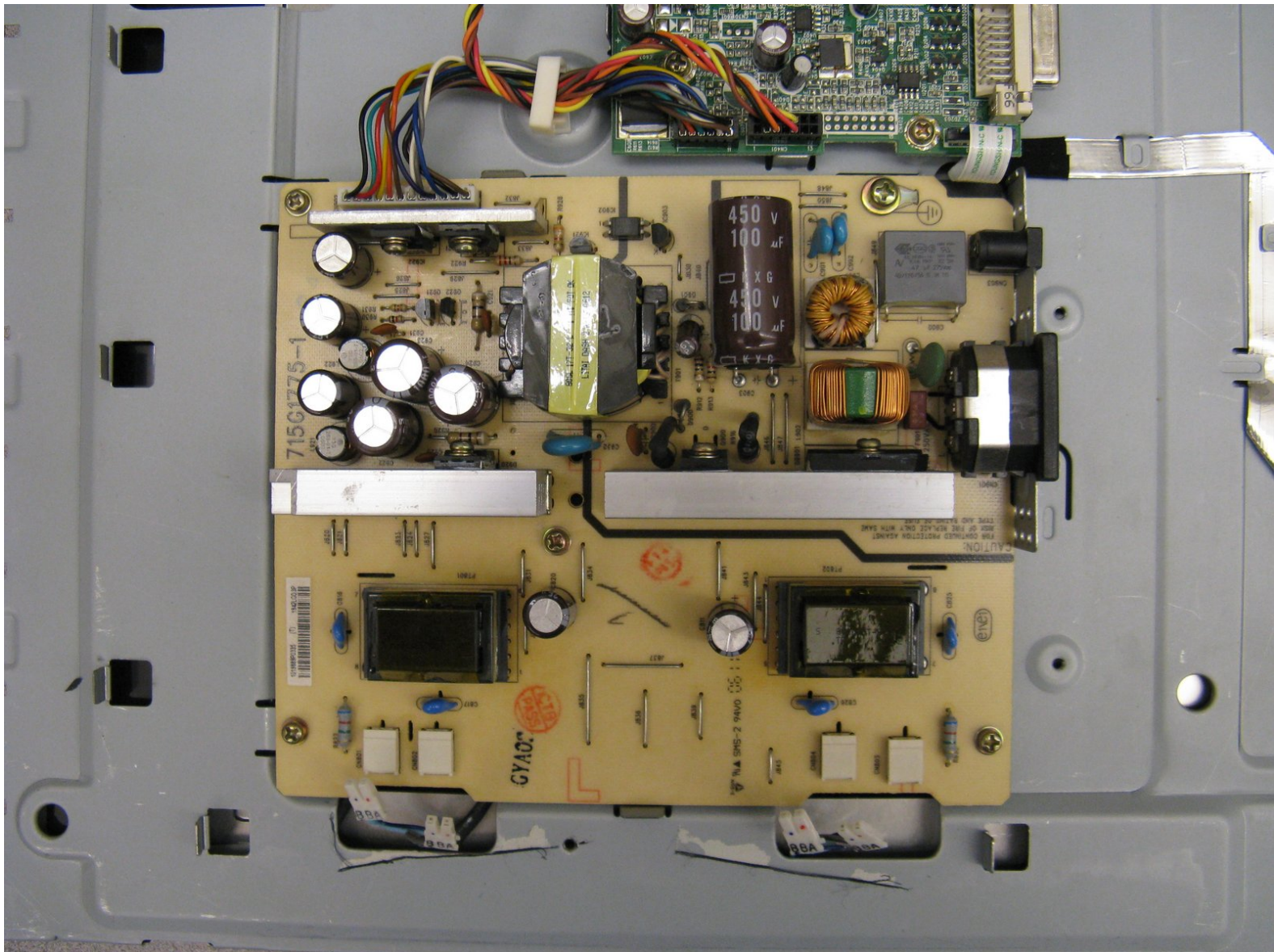
Use this guide to replace a faulty power supply.

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INTRODUCTION

Following this guide involves completely disassembling the monitor. This process isn't terribly difficult, just time consuming.

⚙ TOOLS:

- Spudger (1)
- Tweezers (1)
- Phillips #2 Screwdriver (1)
- 5mm Nut Driver (1)

⚙ PARTS:

- Dell 1942LGD3P Power Supply (1)

Step 1 — Power Supply

- Carefully place the monitor face down on a flat surface, being careful to protect the display.

- Remove the four 10 mm Phillips #2 screws from the back panel.

Step 2

- Flip the monitor back over, so that the display is facing you.

- Use a spudger to remove the front bezel by unsnapping it in a counter clockwise fashion, starting at the bottom right, and ending at the button panel.
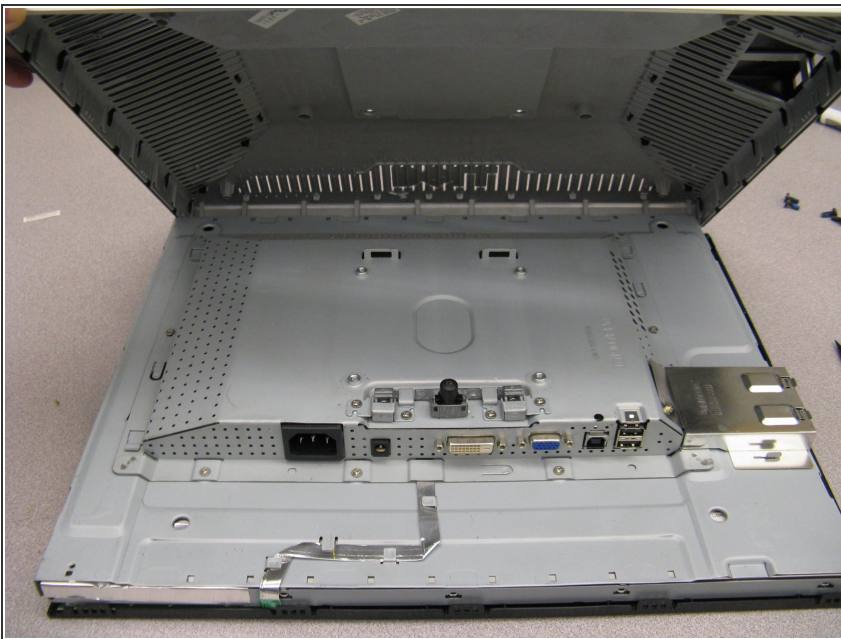
Step 3

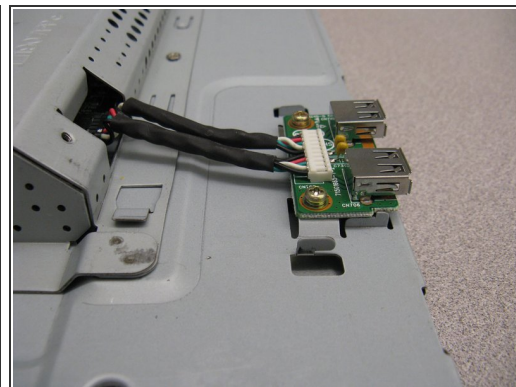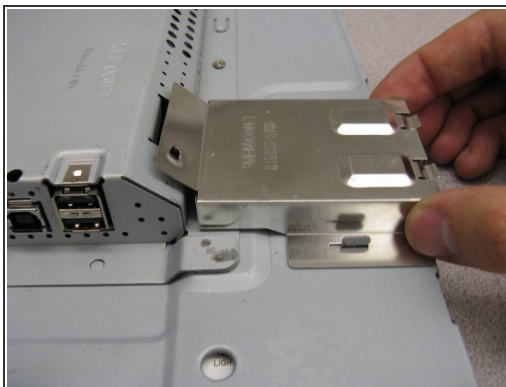- Slowly unsnap the bezel around the buttons.

- ⚠️ Be careful to not fully remove the bezel here, because a ribbon cable attaches the buttons to the monitor.
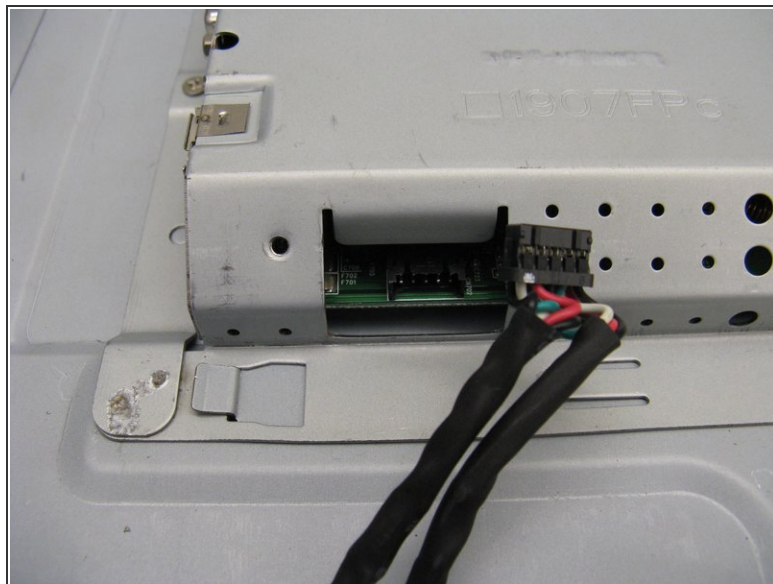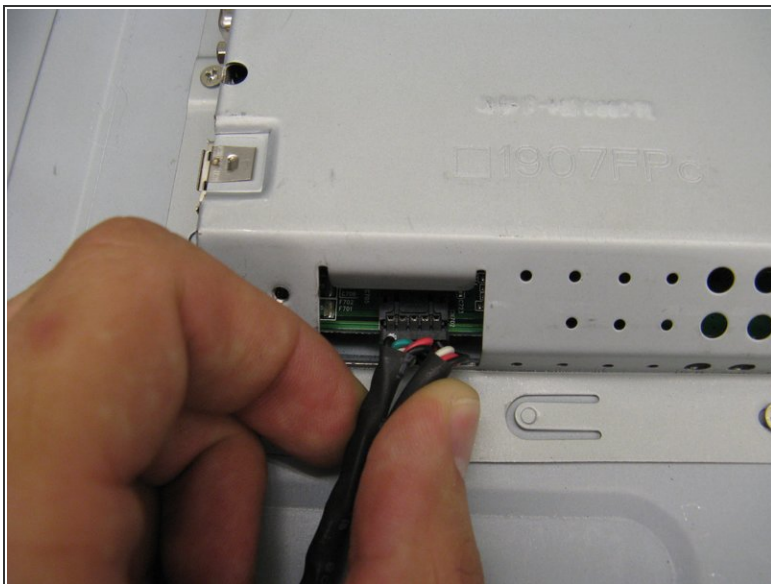
Step 4

- Carefully flip the monitor back over, making sure to keep the front bezel in place.

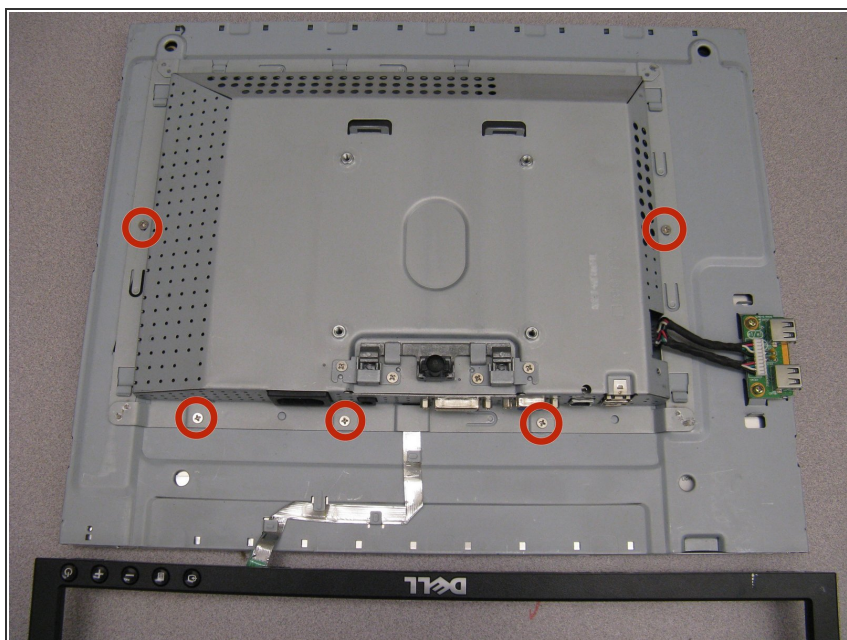- Lift the back cover off of the rest of the monitor.

Step 5

- Locate the USB port cover on the right hand side of the monitor.

- Remove the one 5 mm Phillips #2 screw.

- Remove the USB port cover by sliding it out and away from the monitor.
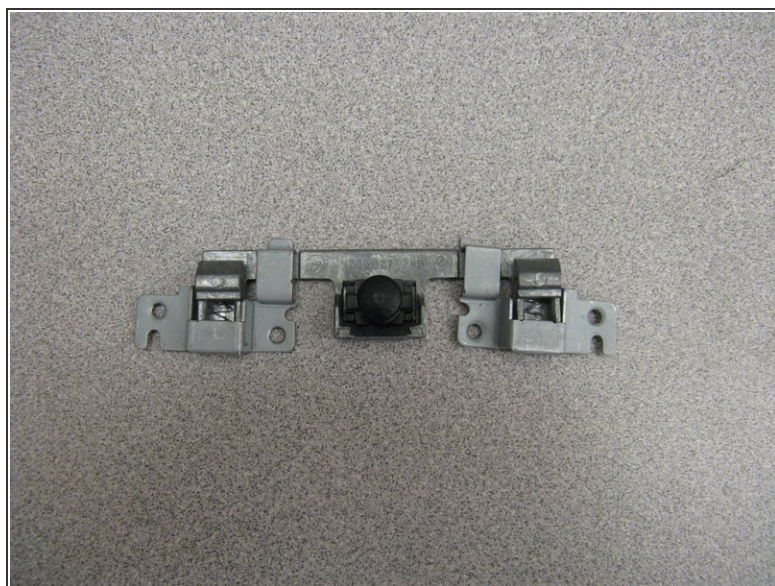
Step 6

- Disconnect the USB ports by gentling grasping and pulling on the connector.
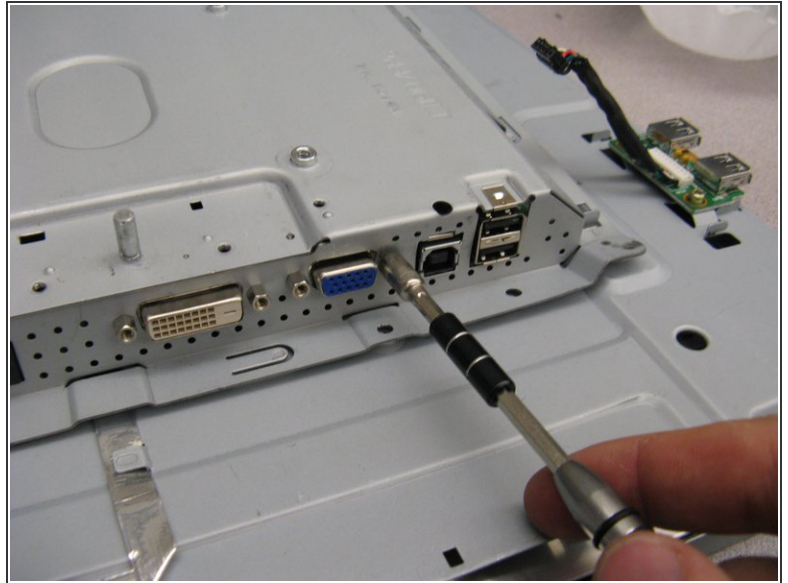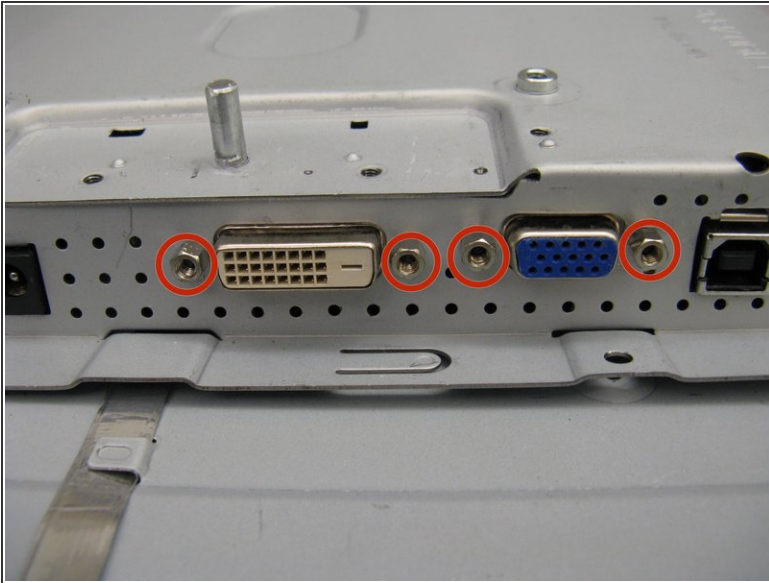
Step 7

- Remove the five 5 mm Phillips #2 screws from the back panel.
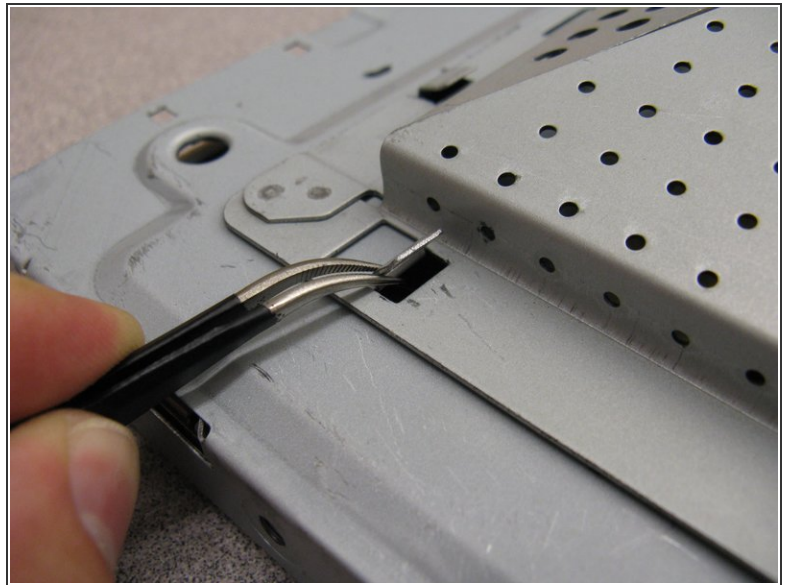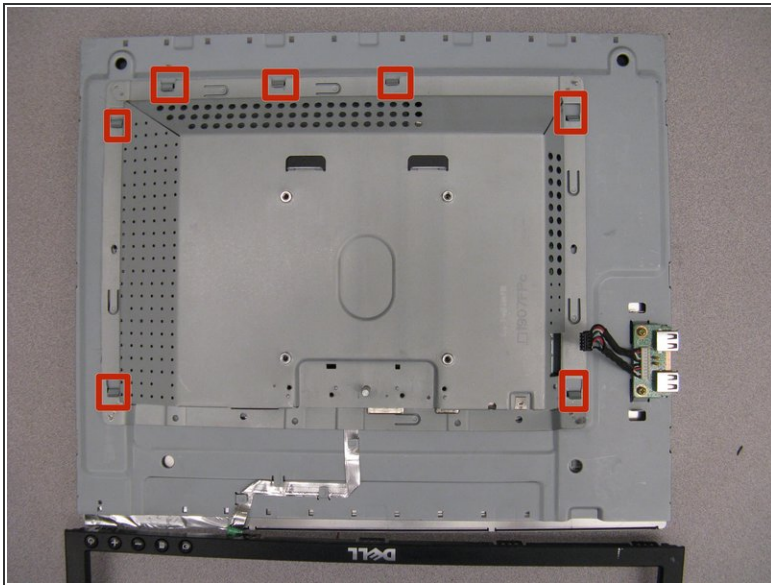
Step 8

- Remove the four 4 mm Phillips #2 screws that secure the monitor mount release mechanism to the panel.
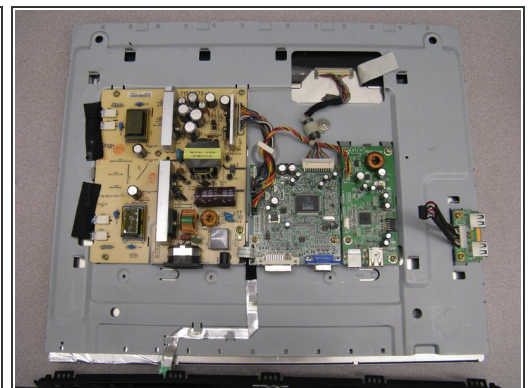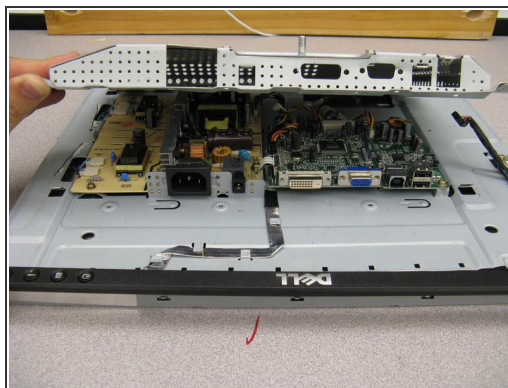- Set this mechanism off to the side, taking care to keep it all in one piece.

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Step 9

- Use a 5 mm nut driver to remove the four 12 mm standoff screws securing the video connectors to the panel.
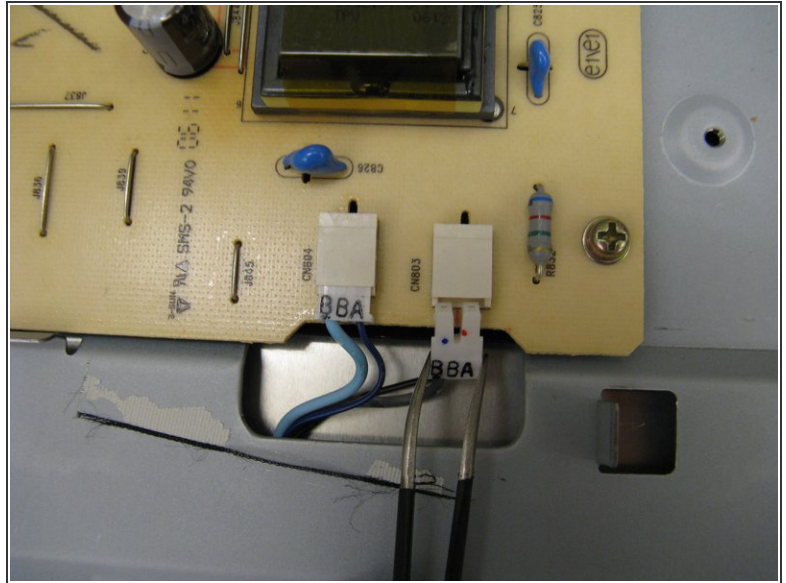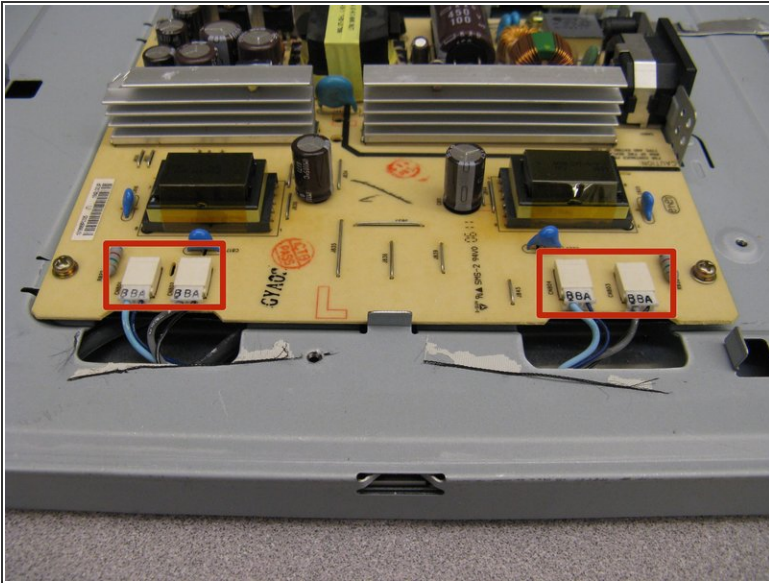
Step 10

- Use the tweezers to lift up the seven security tabs that secure the back panel to the rest of the monitor.

- If the security tabs are held down too tightly, use the spudger to pry them up, and then finish them off with the tweezers.

Step 11

- Lift up on the back panel to remove it from the rest of the monitor.

- Be careful when doing so, as the edges of the back panel can be very sharp.

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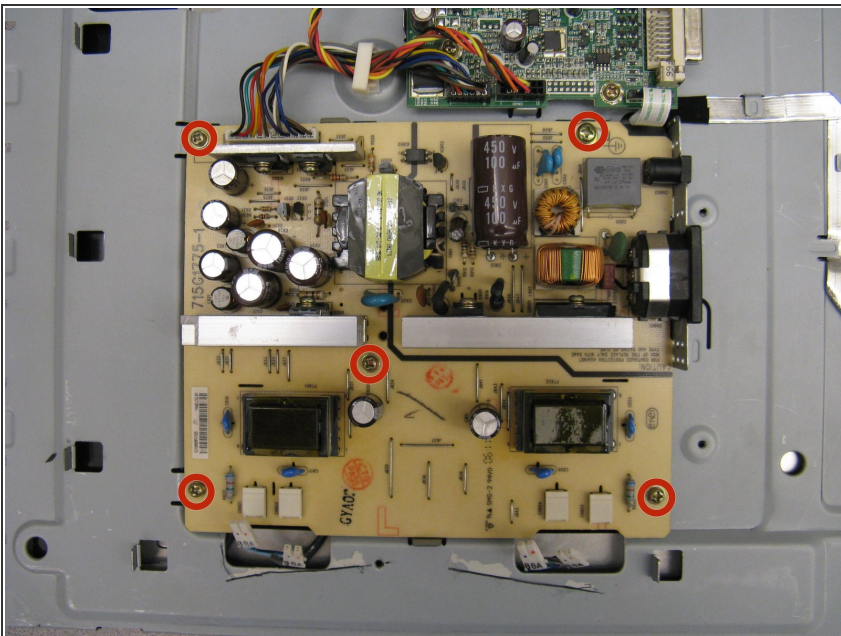
Step 12

⚠️ The power supply has several large capacitors (they look like little cylinders), that can shock you if they discharge. Be careful not to touch them as you continue to work.
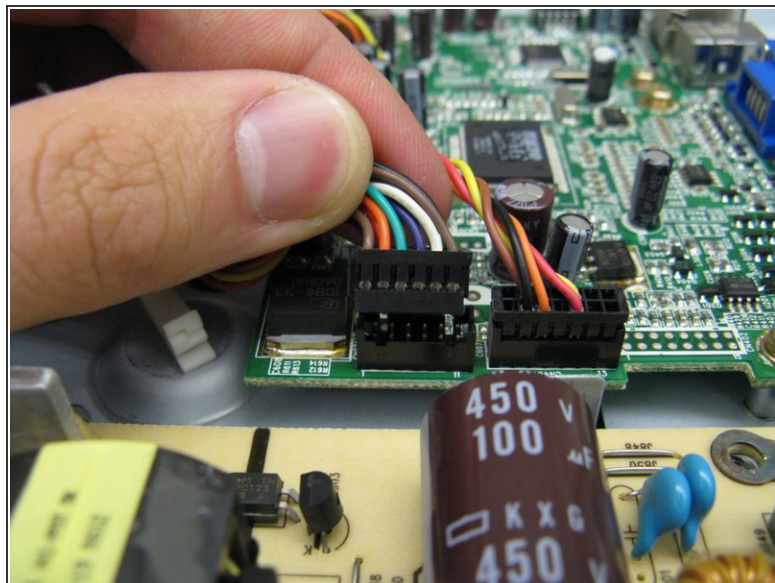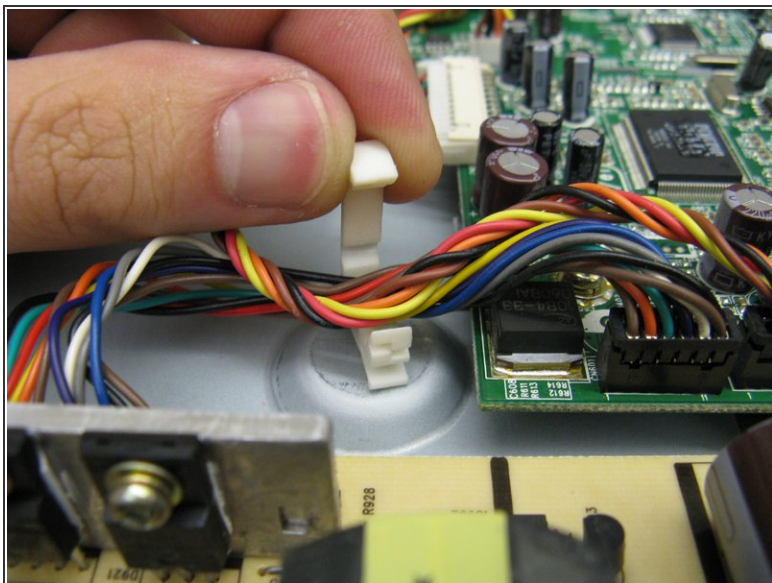
● Use the tweezers to remove the four connectors from the power supply board.
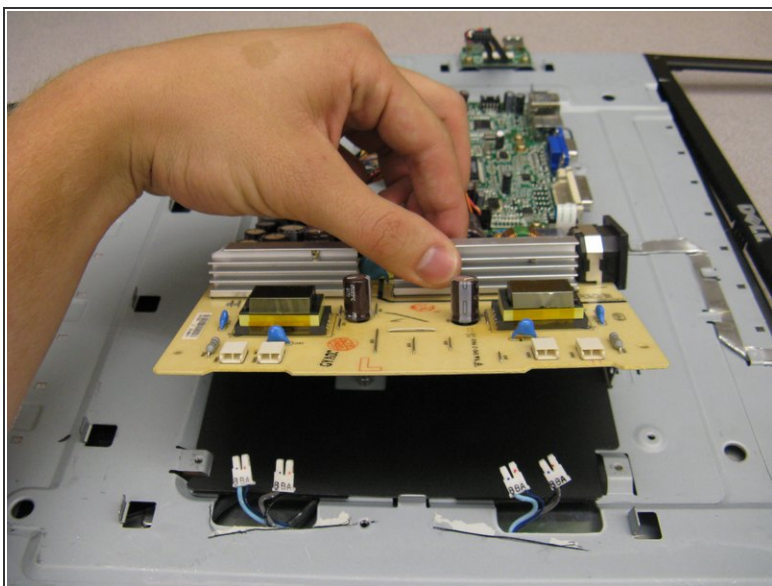
Step 13

● Remove the five 7 mm Phillips #2 screws from the power supply board.

Step 14

- Open up the clip securing the wires running between the power supply and video boards.

- Gently remove the connector running from the video board to the power supply board.

Step 15

- The power supply board can now be removed.

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

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