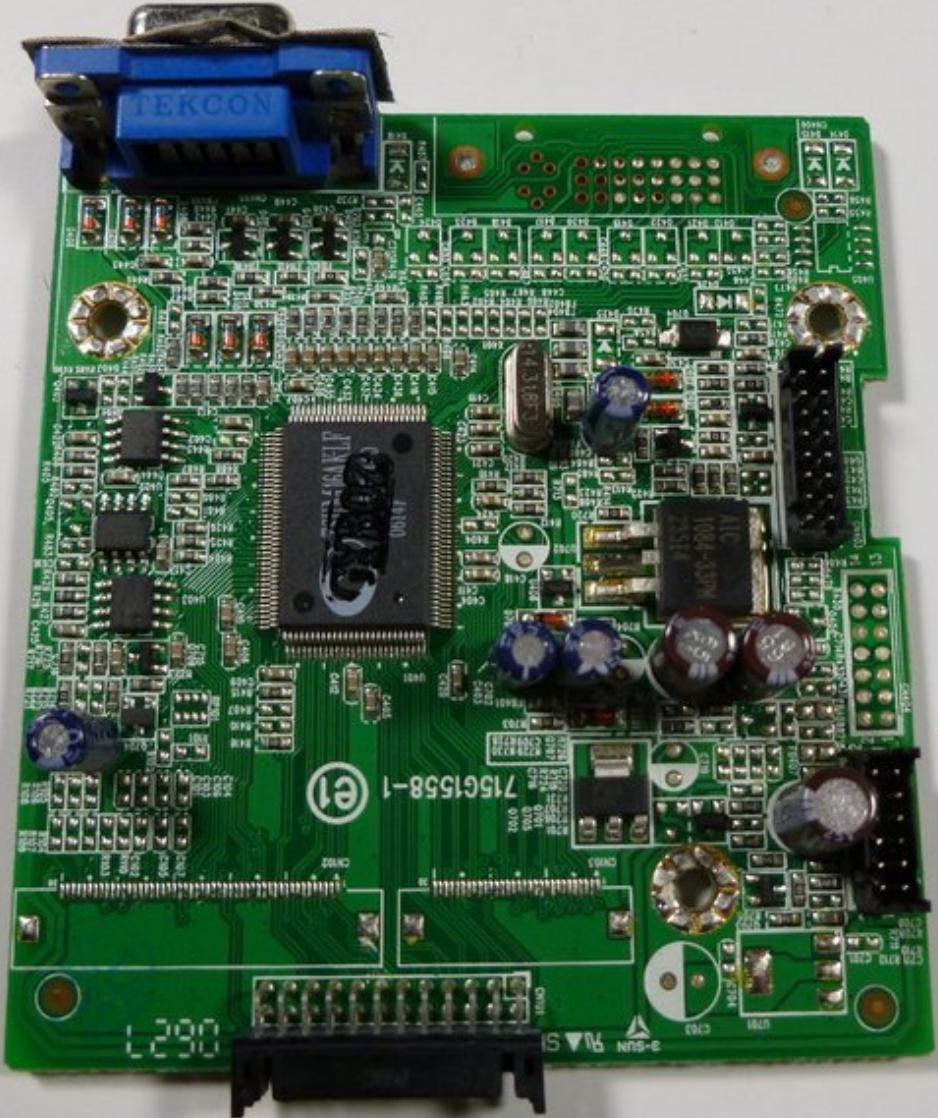




# Acer AL1916 Motherboard Replacement

This guide will show the steps required to remove the back cover of the monitor, detach the malfunctioning motherboard, and install a new motherboard.

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## INTRODUCTION

The motherboard processes the incoming signals from the computer and directs the monitor to display the desired image.

### **TOOLS:**

- Large Needle Nose Pliers (1)
- Phillips #2 Screwdriver (1)
- iFixit Opening Tools (1)

### **PARTS:**

- Circuit Board (1)

## Step 1 — Stand



*(i)* Lay the monitor on a flat surface so that the back is facing up.

## Step 2



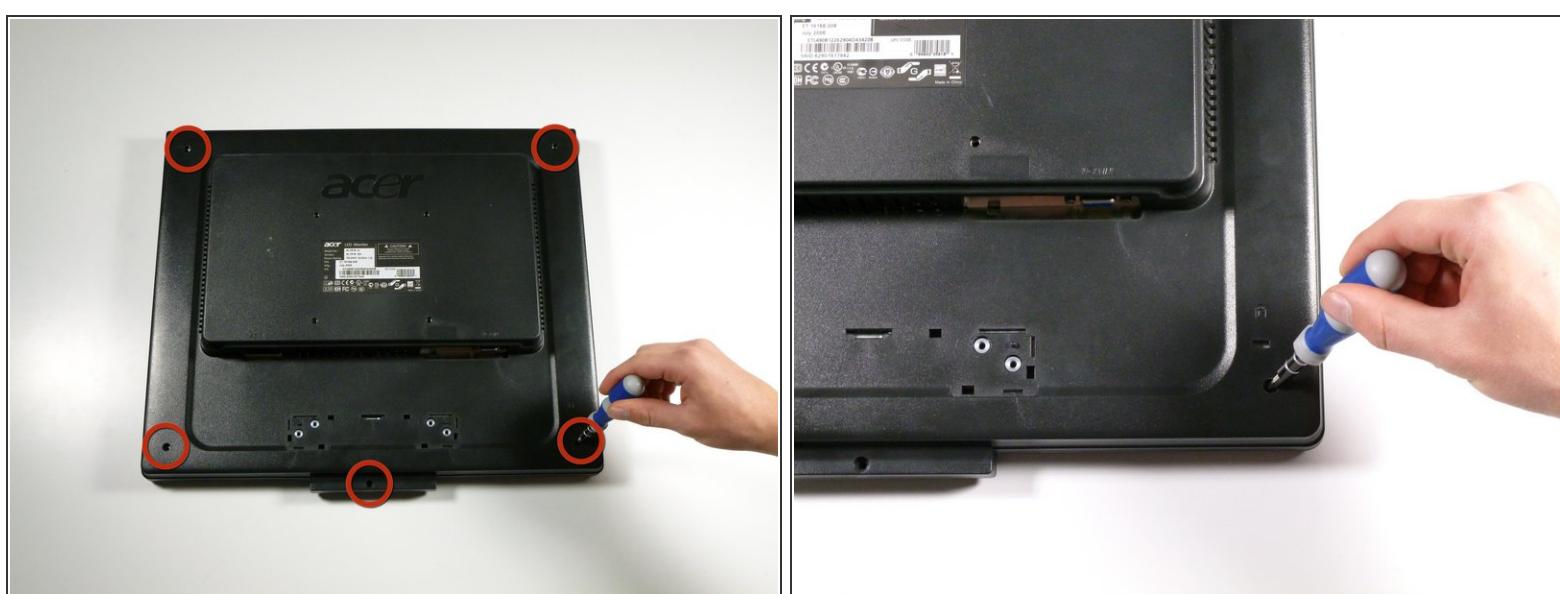
- Grab the hinge cover with both hands on either side of the stand.
- Squeeze inwards with your thumbs and fingers and lift up to remove the hinge cover.

## Step 3



- Remove the four 12.1 mm Phillips #2 screws that hold the stand to the monitor.
- ⚠ Support the monitor while removing the screws to prevent the monitor from falling.
- Lift up to detach the stand.

## Step 4 — Outer Case



- Remove the five 9.5 mm Phillips #2 screws located around the perimeter of the monitor.

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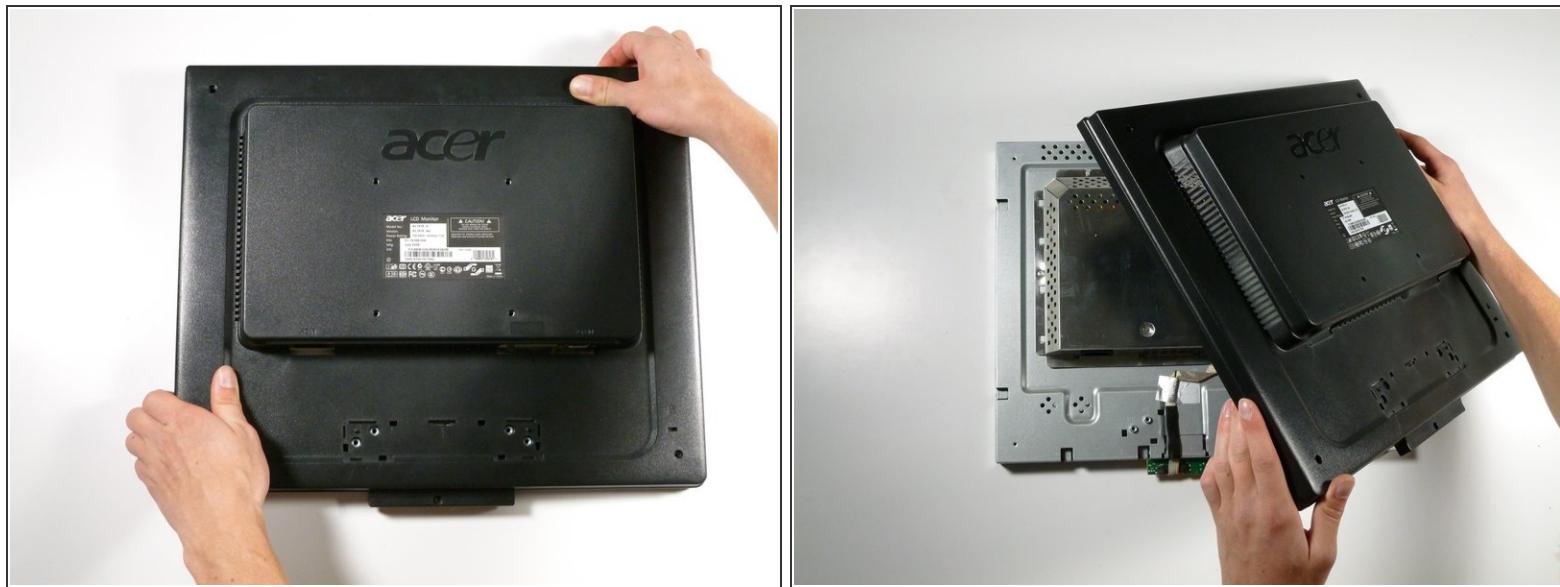
## Step 5



- Starting at the corner of the monitor, wedge the small plastic opening tool between the back cover and the display bezel.
- Tilt the plastic opening tool up to separate the back cover from the display bezel.
- Continue around the perimeter of the monitor until the display bezel comes off.

*(i)* A reasonable amount of force is necessary to detach the back cover from the display bezel.

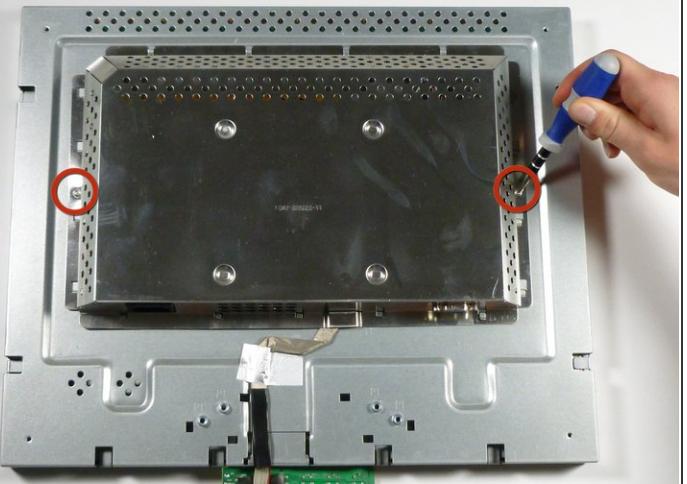
## Step 6



*(i)* Reposition the monitor so that the back is facing up.

- Grab the corners of the monitor and jiggle them upwards to detach the back cover from the inside of the monitor.
- Lift the back cover up.

## Step 7 — EMI Shield



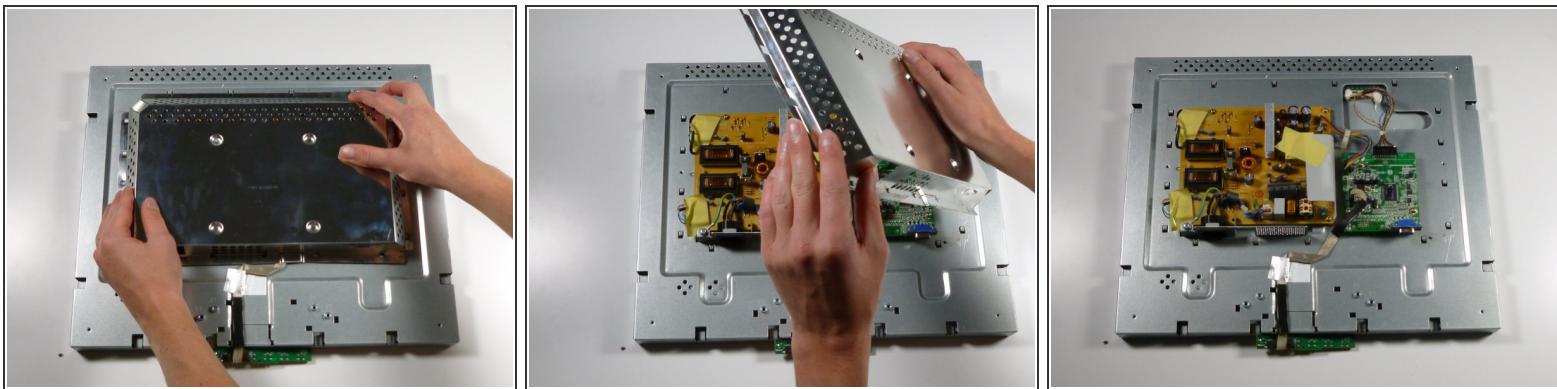
- Remove the two 5.7 mm Phillips #2 screws located on either side of the EMI shield.

## Step 8



- Using a nut driver (or if necessary, needle-nose pliers), remove the two nuts on either side of the VGA input.

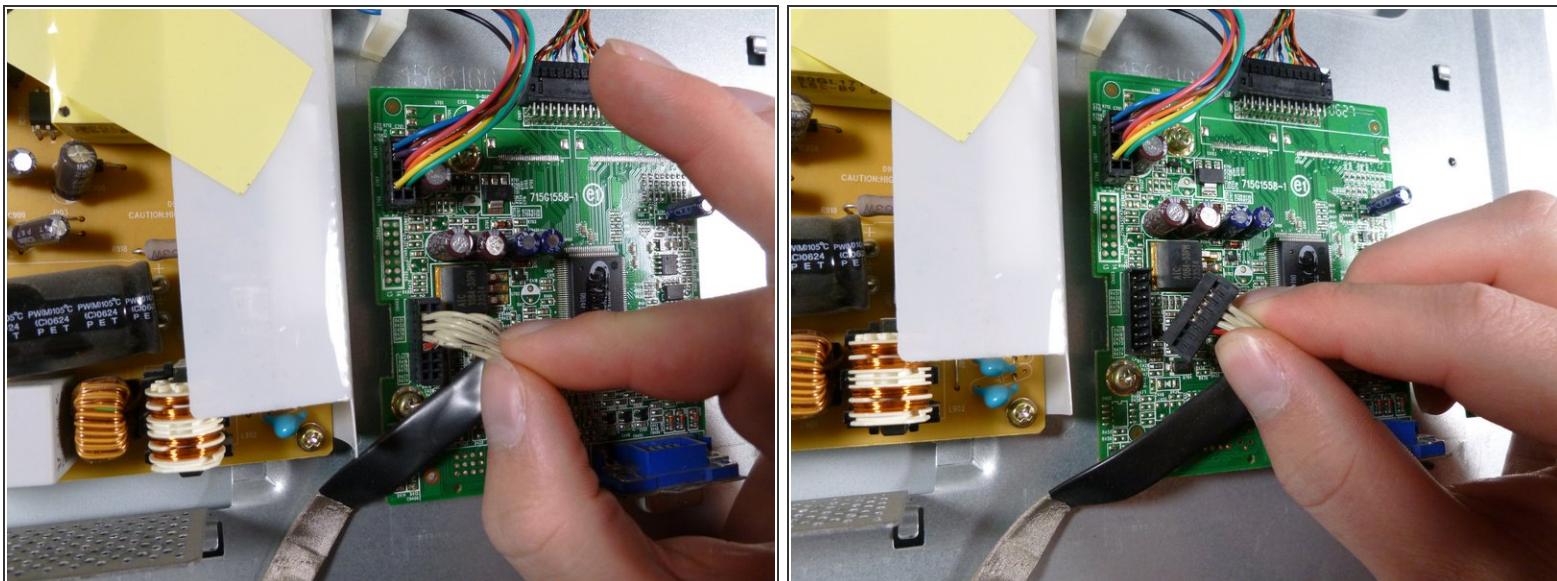
## Step 9



- Grab the metal casing by the sides and slide it down towards the bottom of the monitor.
- Lift up to remove the metal casing.

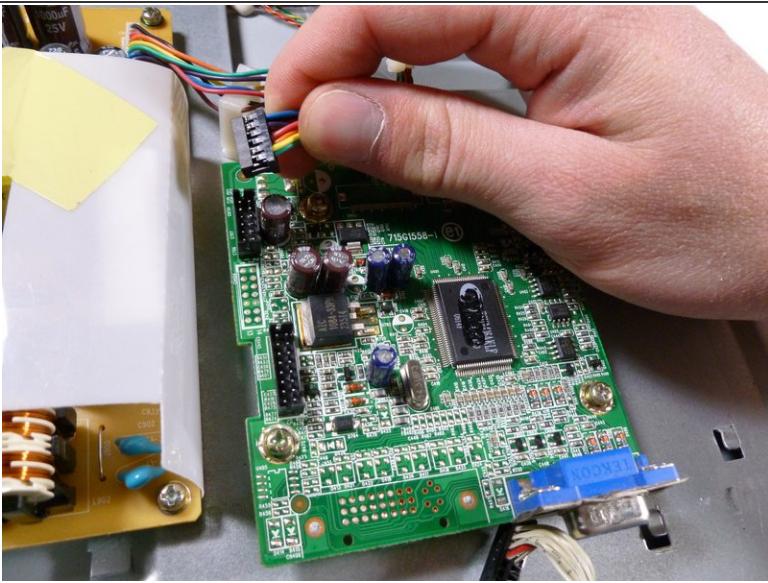
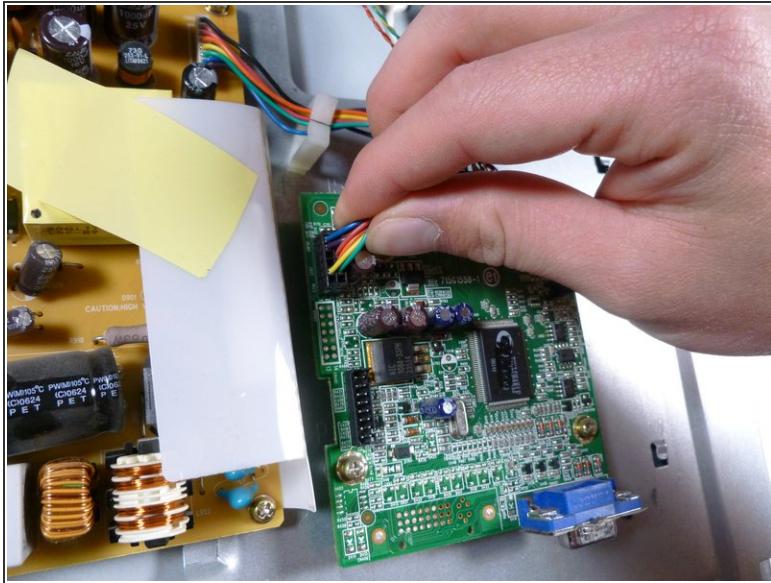
 Beware, metal casing is sharp!

## Step 10 — Motherboard



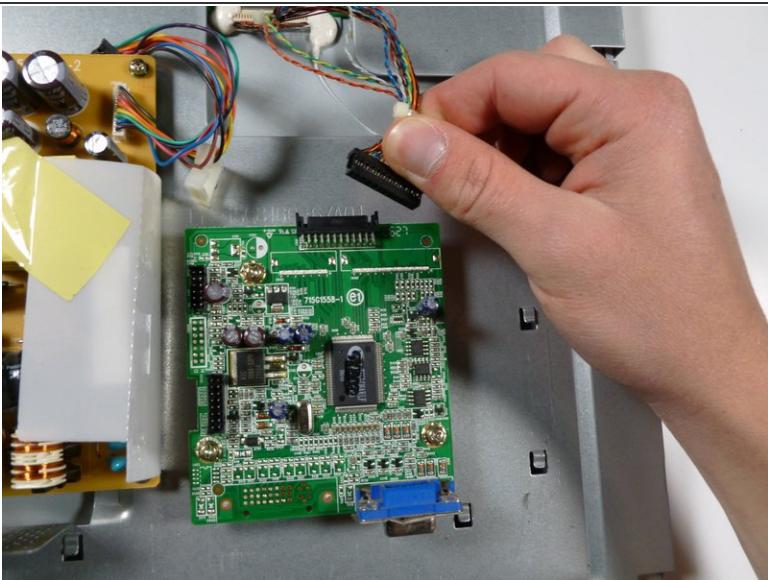
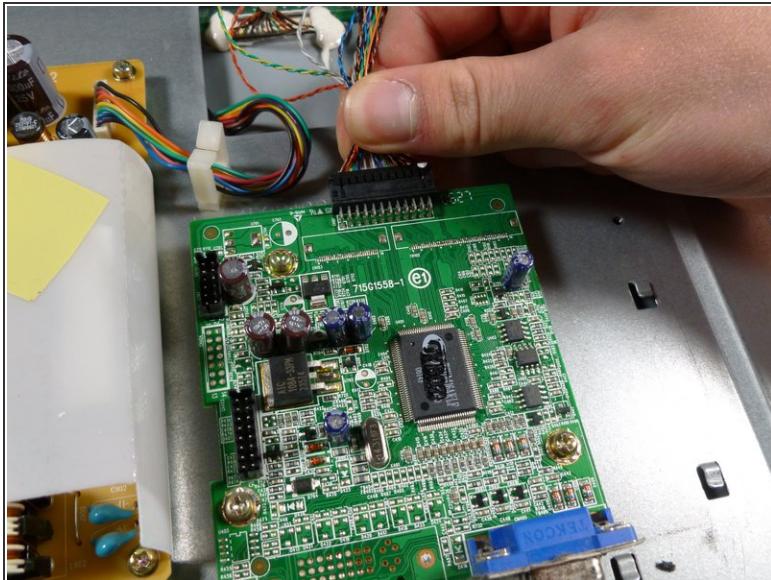
- Remove the beige control cable to the left of the VGA input by pulling it up.

## Step 11



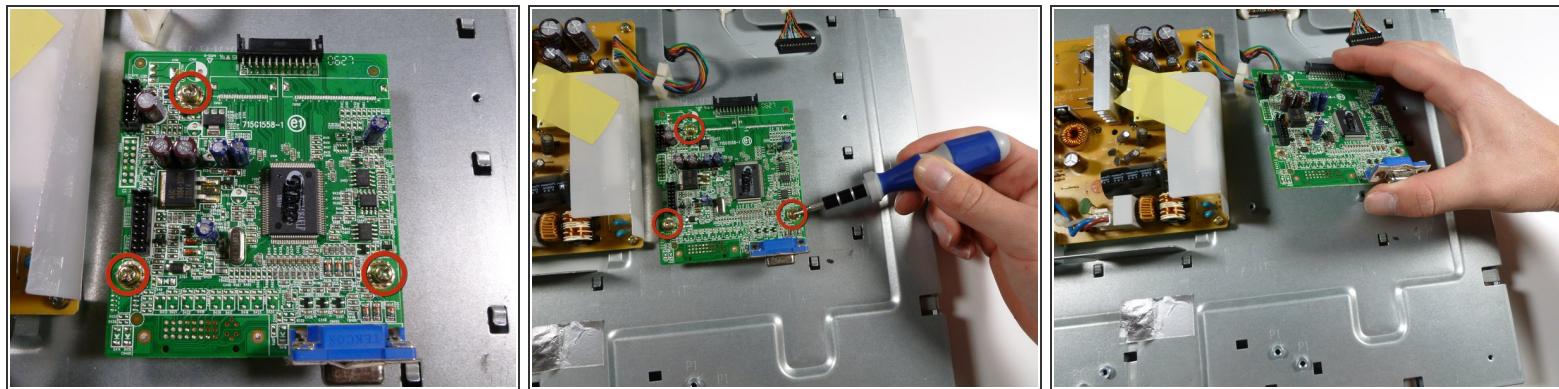
- Remove the rainbow-colored power cable by pulling it straight up.

## Step 12



- Remove the display cable located at the top of the motherboard by pulling it out towards the top of the monitor.

## Step 13



- Remove the three 7.7 mm Phillips #2 screws from the motherboard, and take out the motherboard by lifting it up.

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