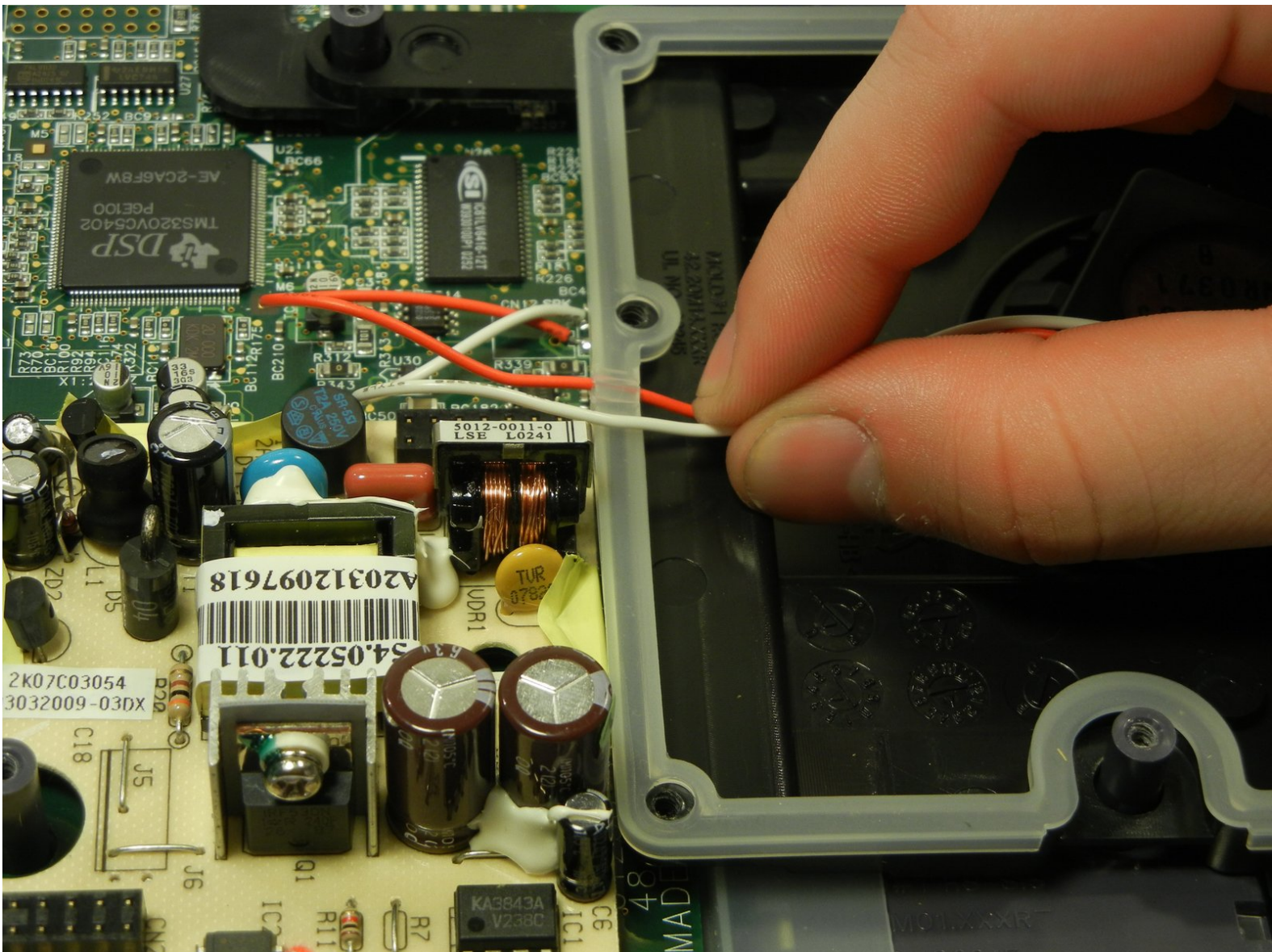




Nortel Networks i2004 IP Circuit Board Replacement

Use this guide to remove the circuit board.

Written By: Elizabeth



INTRODUCTION

This guide will help you remove the circuit board from the outer telephone case. You may need to remove the circuit board to repair internal components, such as buttons.

TOOLS:

- [6-in-1 Screwdriver](#) (1)
 - [Phillips #2 Screwdriver](#) (1)
-

Step 1 — Back Cover



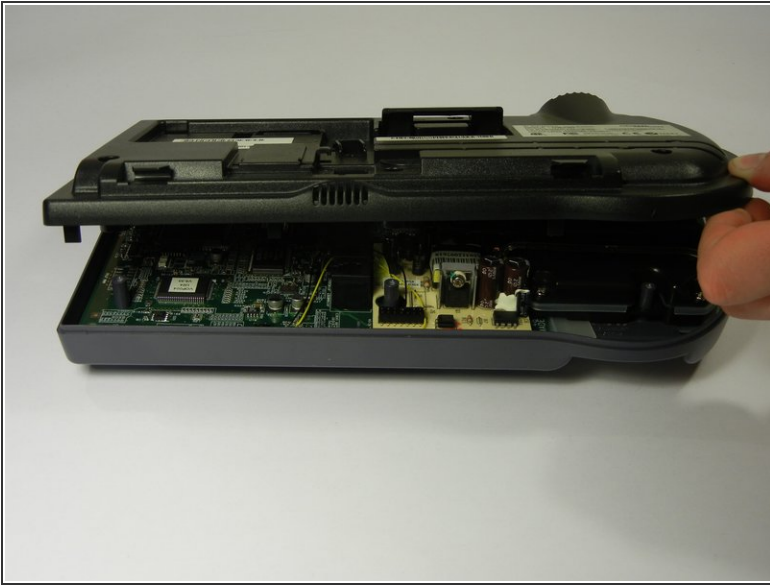
- Flip the phone over to view the back.
- Remove the power and phone cords.

Step 2



- Remove the seven 8mm Phillips #2 screws.

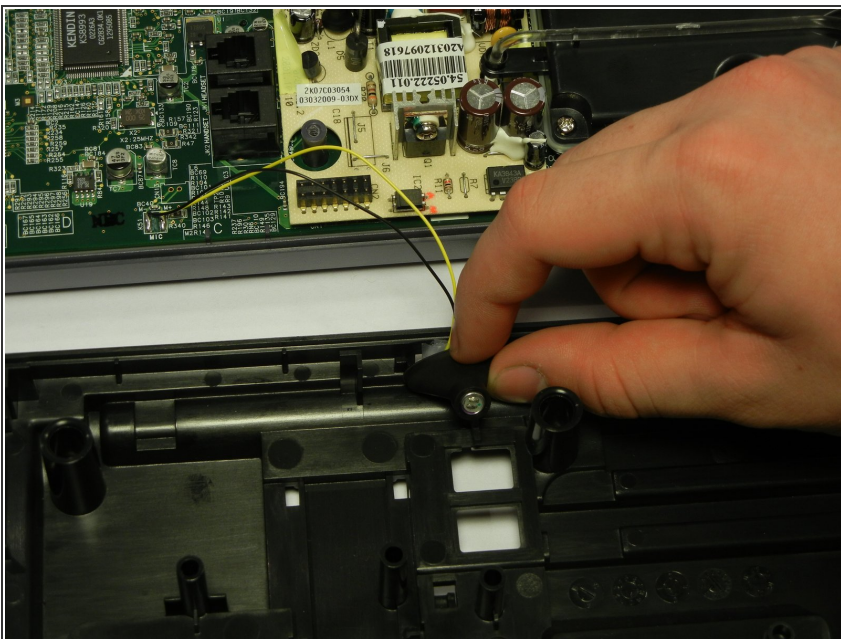
Step 3



⚠ Lift up the back cover slowly because there are still wires attached to the circuit board.

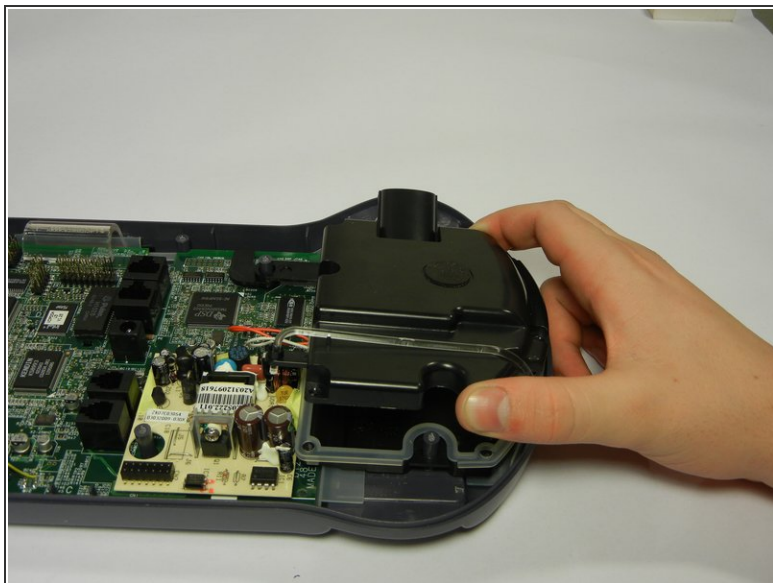
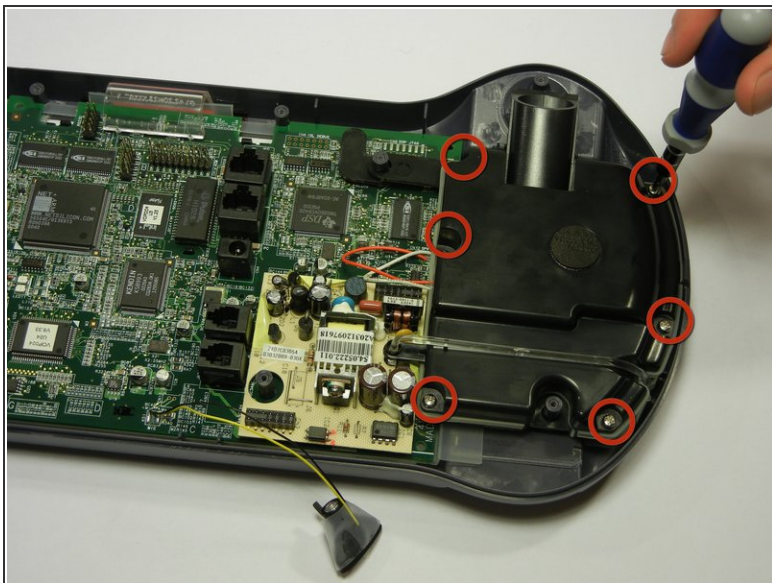
i Lifting the back cover should not require a lot of force; simply lift with your fingertips.

Step 4



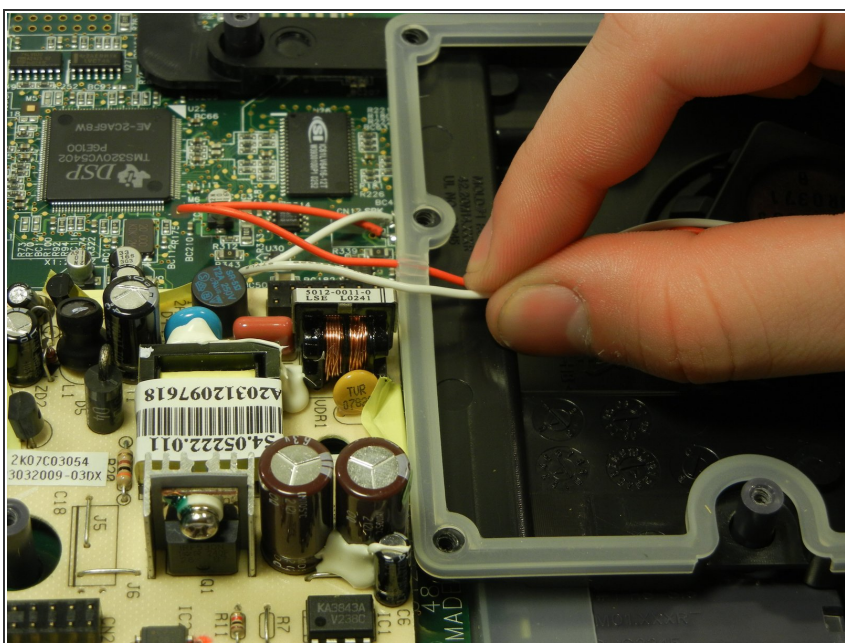
- Disconnect the rubber piece by pulling it out of the slot, freeing the back cover completely.

Step 5



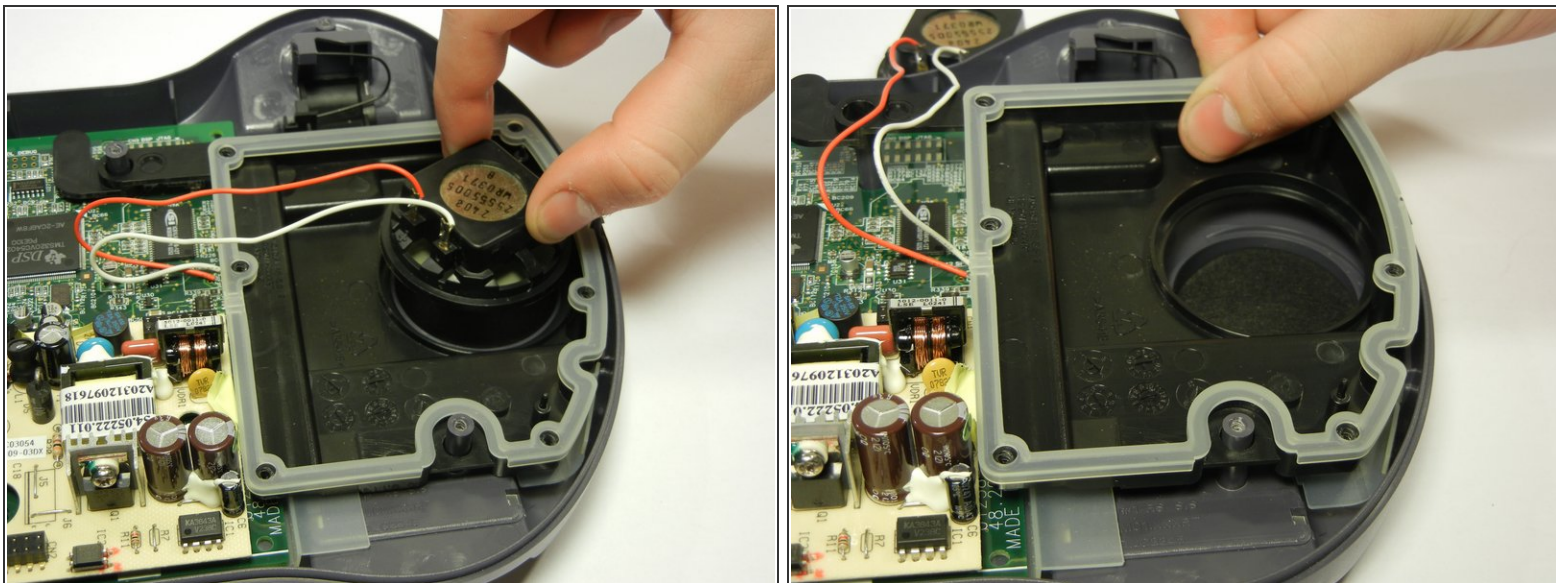
- Remove the six 8mm Phillips #2 screws.
- Pull the speaker phone cover straight up.

Step 6 — Circuit Board



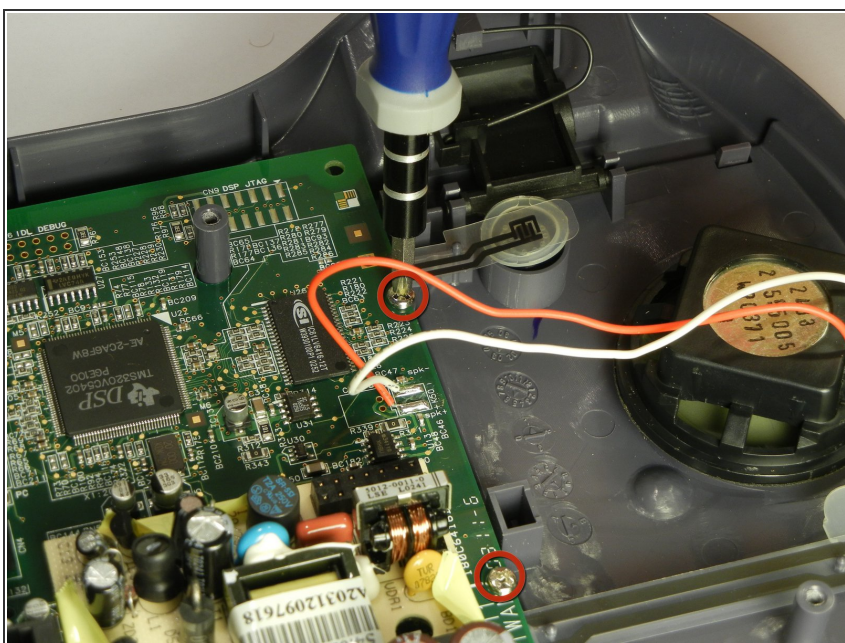
- Remove the red and white wires from the rubber casing rim.

Step 7



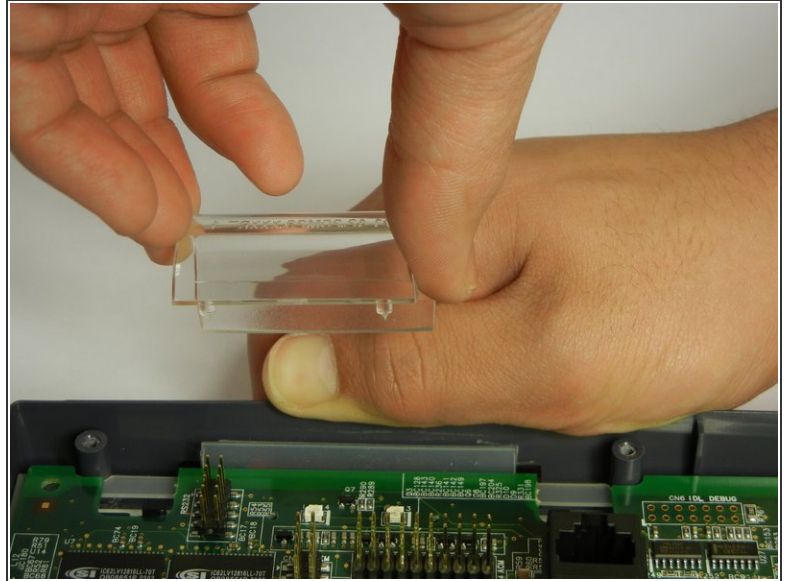
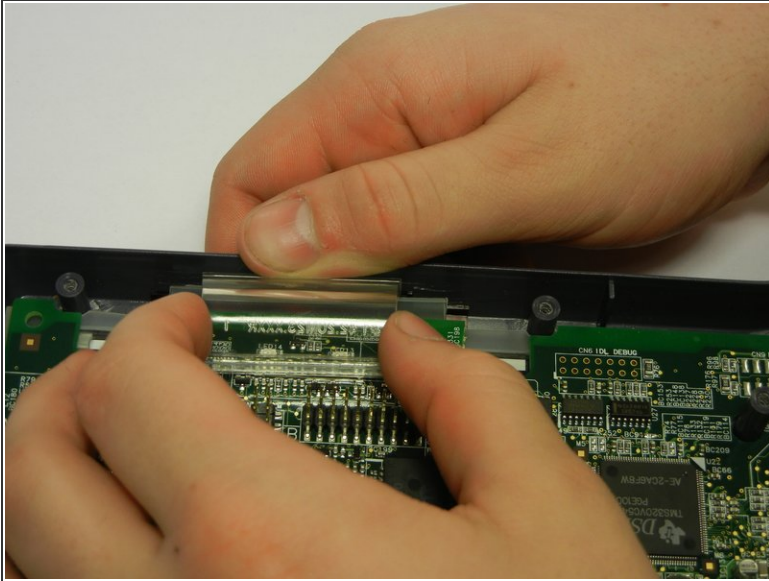
- Lift out the speaker and set it away from the tray that holds it.
- Then remove the black plastic tray at the bottom by lifting it straight up.

Step 8



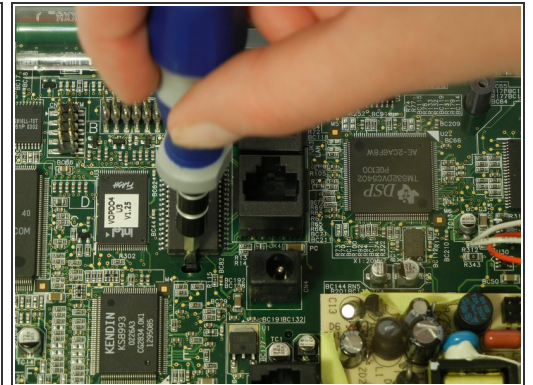
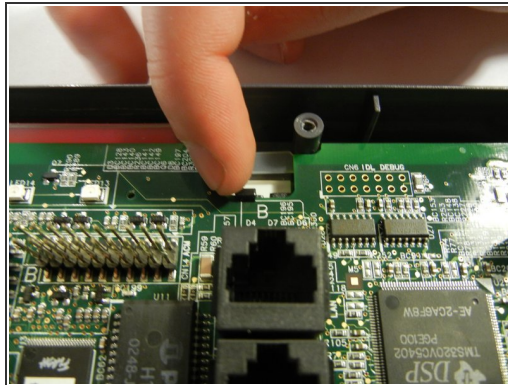
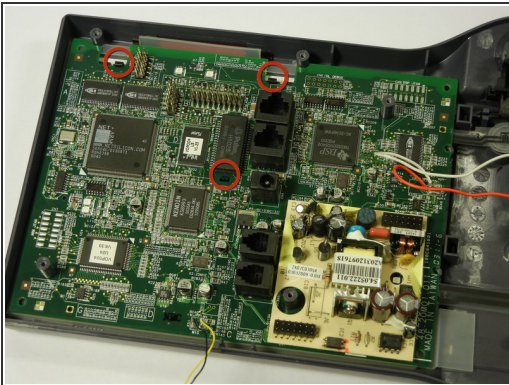
- Remove the two 8mm Phillips #2 screws.

Step 9



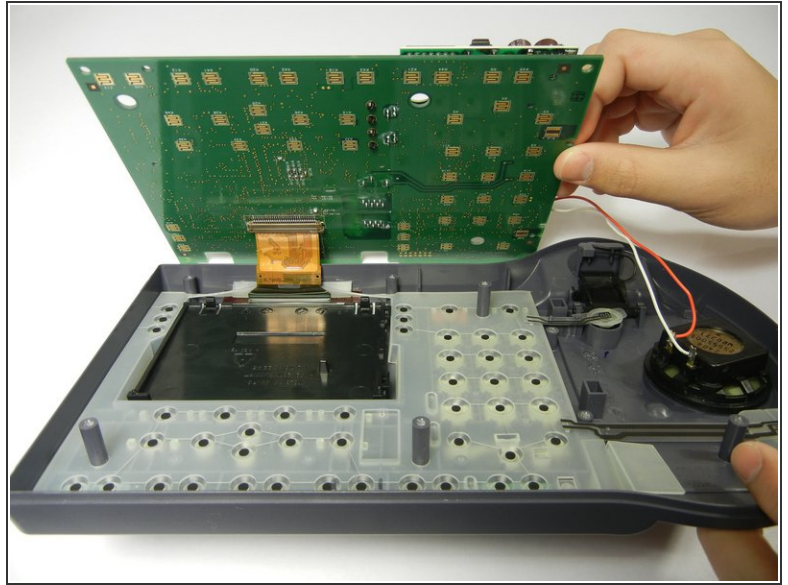
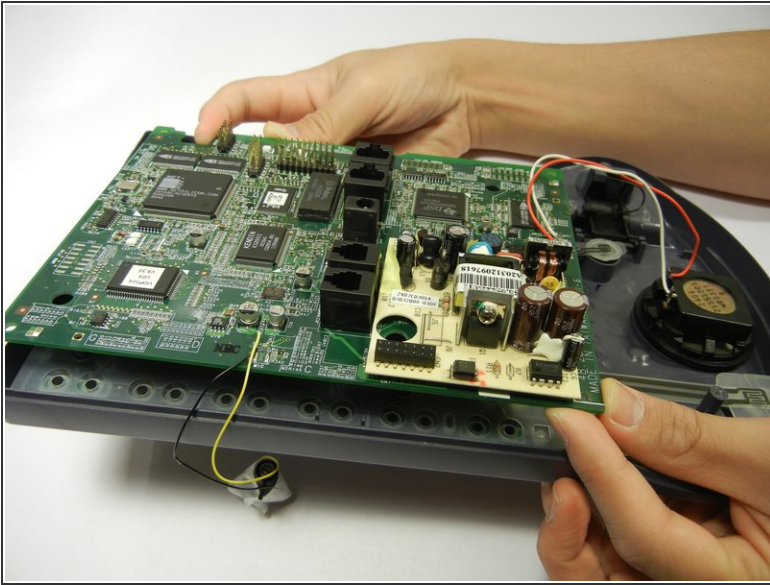
- Pull the gray plastic casing away from the circuit board as you remove the clear, curved, plastic piece straight up.

Step 10



- There are three clips on the circuit board to un-clip.
- Unclip both back black clips with your fingertips.
- Push the middle black clip towards the bottom of the picture with a flathead screwdriver.

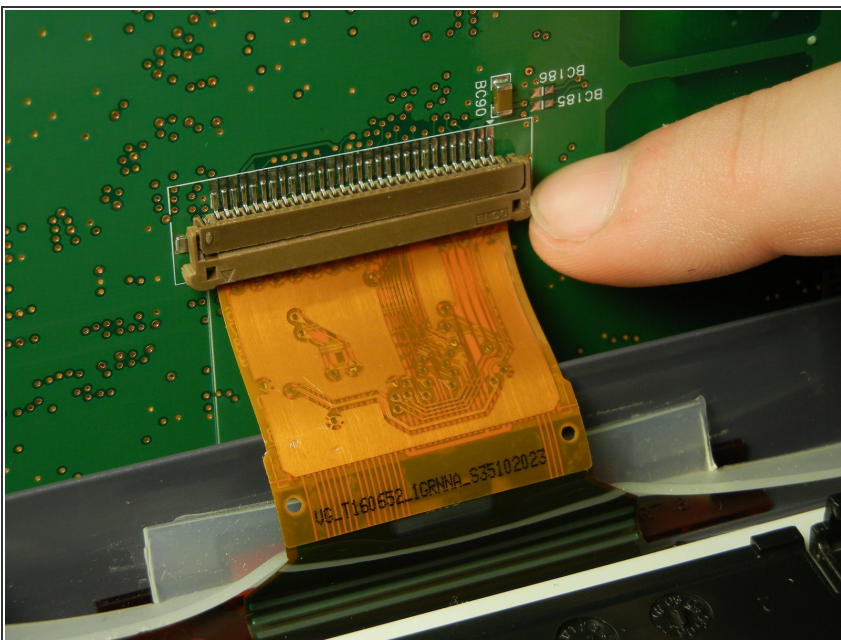
Step 11



⚠ There's a brown ribbon still attached to the circuit board and phone case, so don't pull the circuit board completely off just yet.

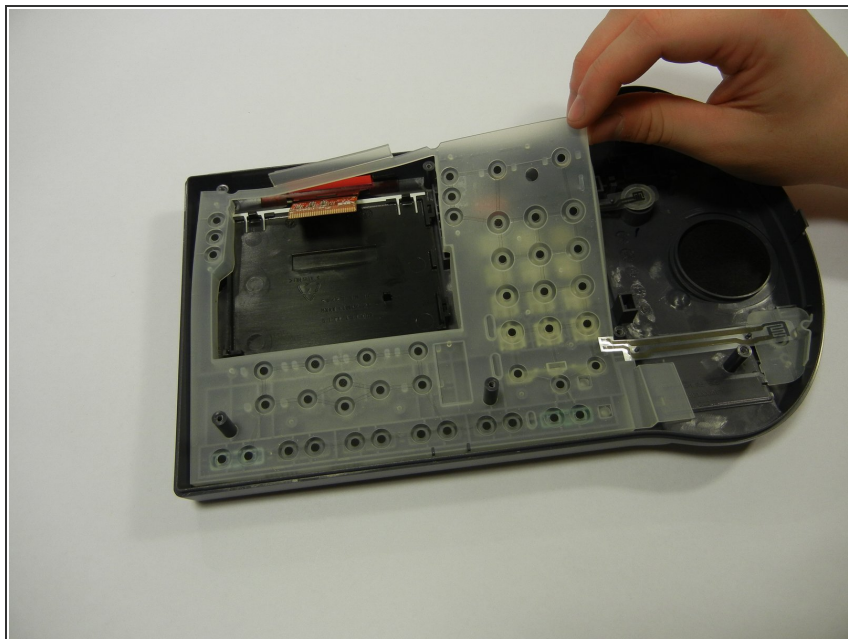
- Lift the edge of the circuit board over the phone case and slightly up, so the bottom of circuit board can be viewed.

Step 12



- Push down each brown clip on either side of the brown metal strip using your fingertip.
- Detach the circuit board from the brown ribbon.

Step 13



- Remove the clear rubber casing.
- ⓘ Be careful not to flip over the front phone casing or all of the buttons will fall out.

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