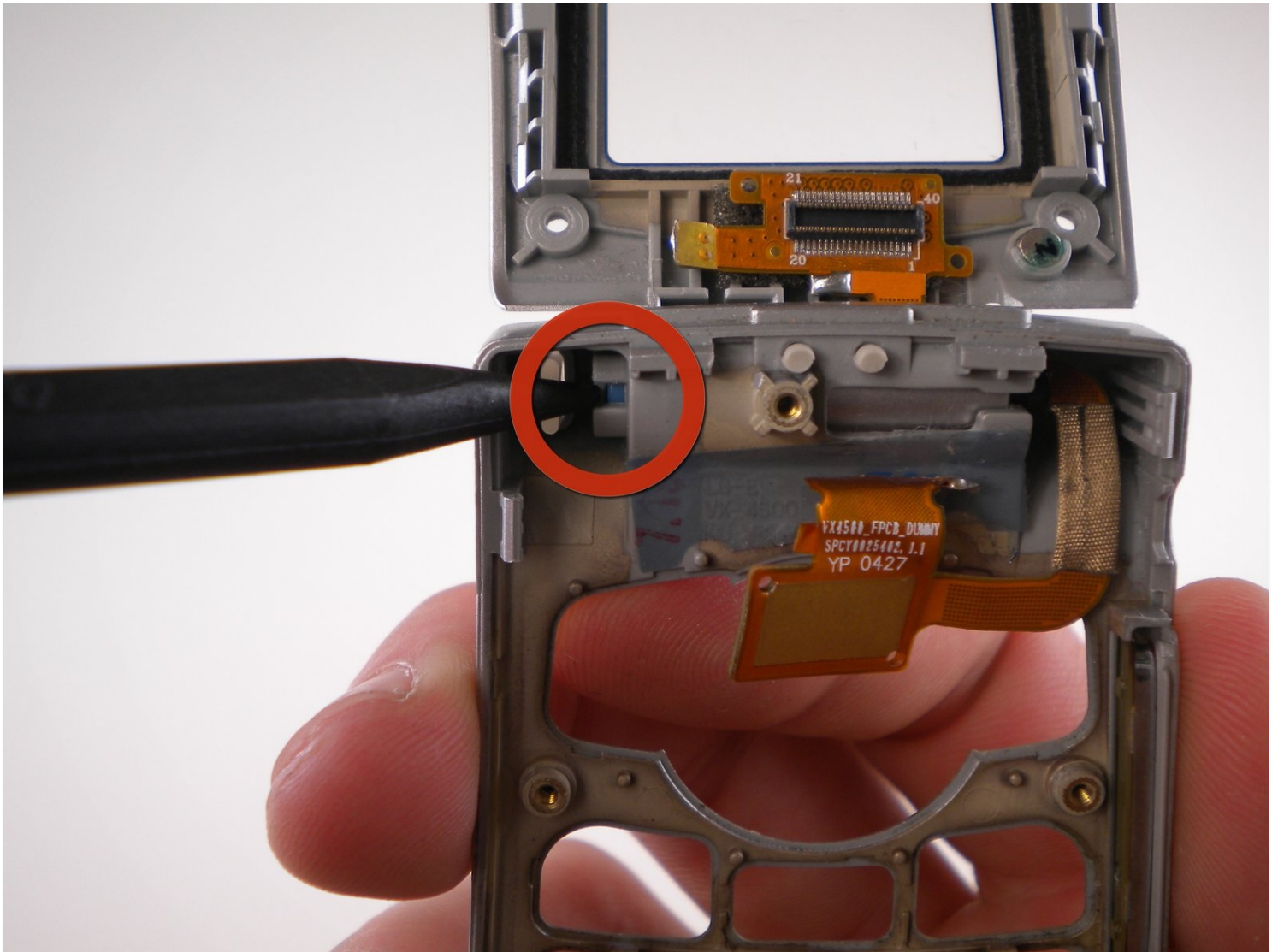




LG VX4500 display interconnect cable

Replacing the ribbon cable.

Written By: David Foster



INTRODUCTION

Replacing the ribbon cable.

TOOLS:

[Phillips #00 Screwdriver](#) (1)

[Soldering Iron 60w Hakko 503F](#) (1)

[Spudger](#) (1)

[iFixit Opening Tool](#) (1)

Step 1 — Battery



- Turn the closed phone so that the back panel is facing you.
- Press down and forward firmly on the gray tab in the middle of the phone.

Step 2



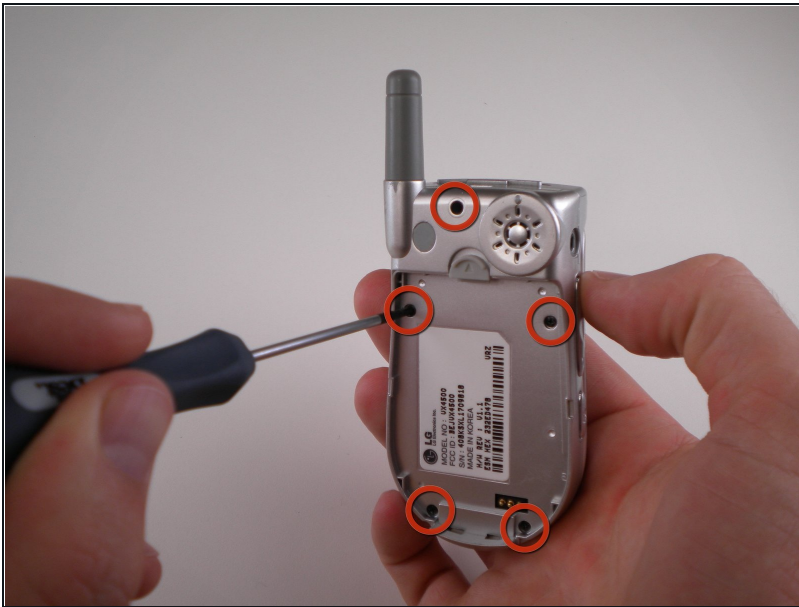
- Now just lift up on the battery and remove it from the phone.

Step 3 — Rear Cover



- Remove the rubber grommet using a Spudger.

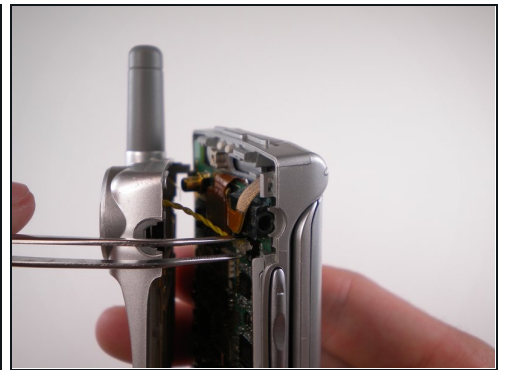
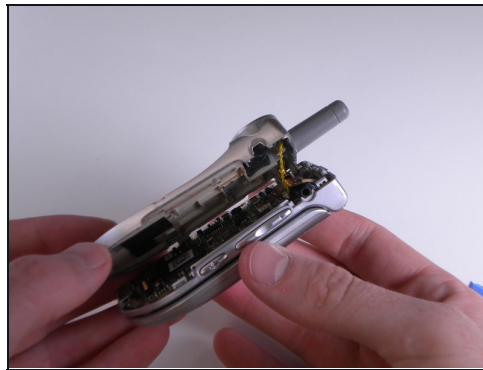
Step 4



⚠ Be sure not to lose the screws.
They are small!

- Remove the five screws using a Phillips #00 Screwdriver.

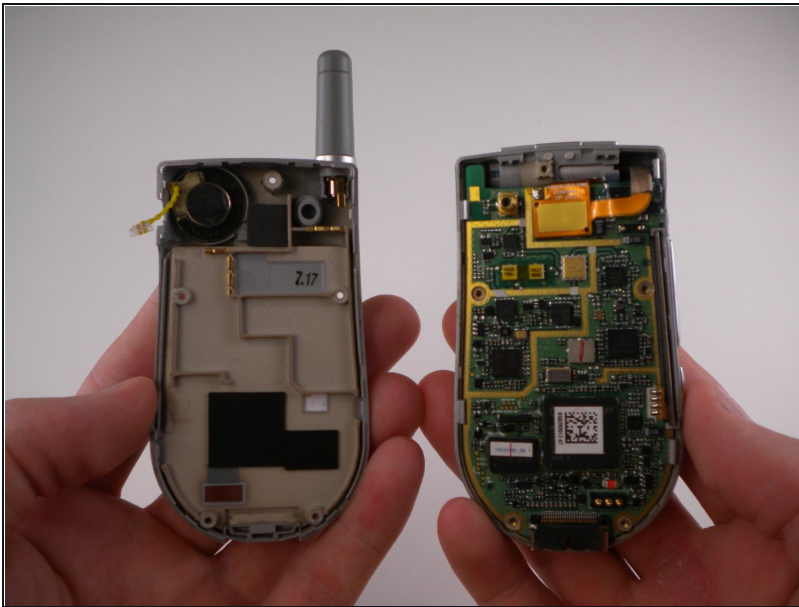
Step 5



⚠ When removing back cover, be careful not to break the speaker wires.

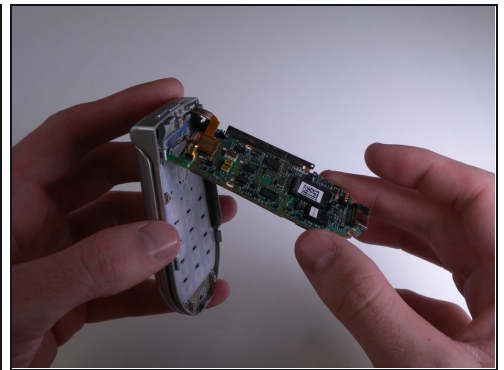
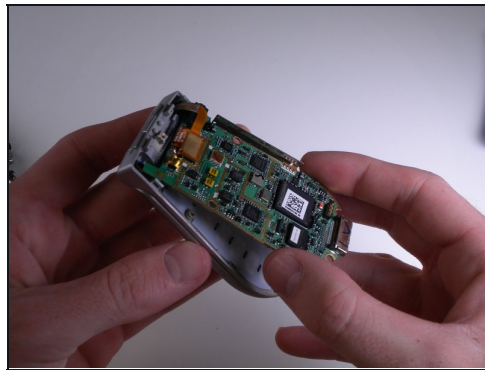
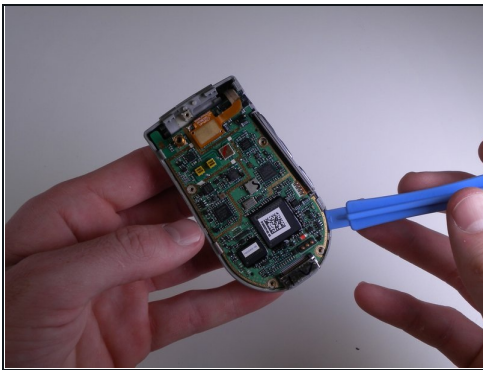
- Using an Opening Tool, carefully pry off the back cover.
- Using tweezers, gently pull the speaker wires out.

Step 6



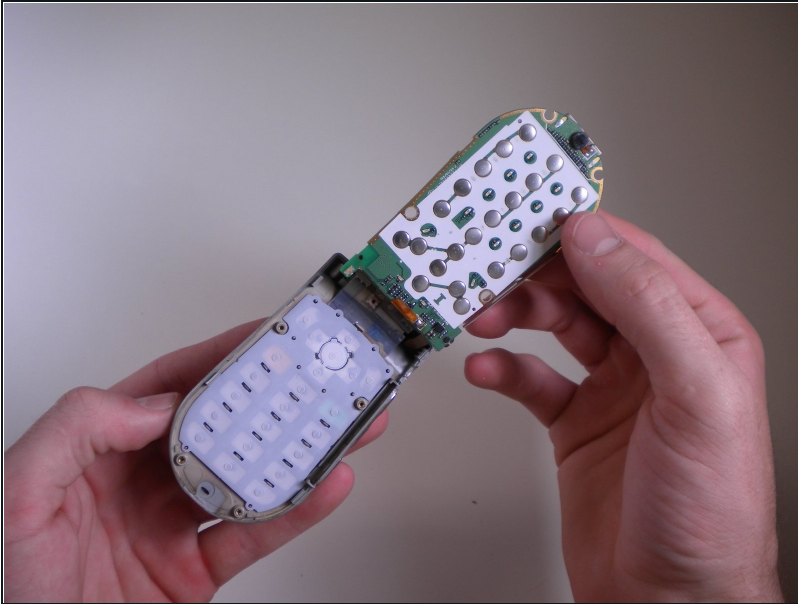
- Separate the two halves.

Step 7 — Keypad



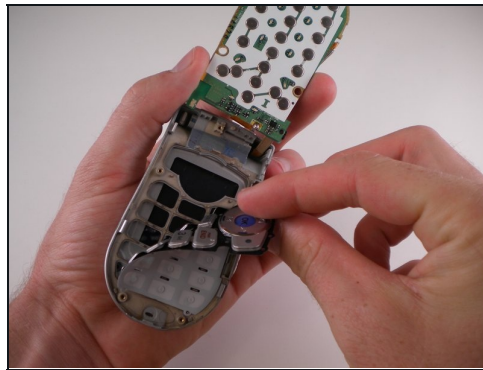
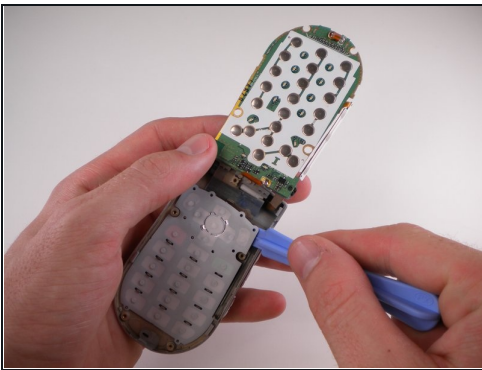
- Carefully pry and lift up on the logic board using an iPod Opening Tool.

Step 8



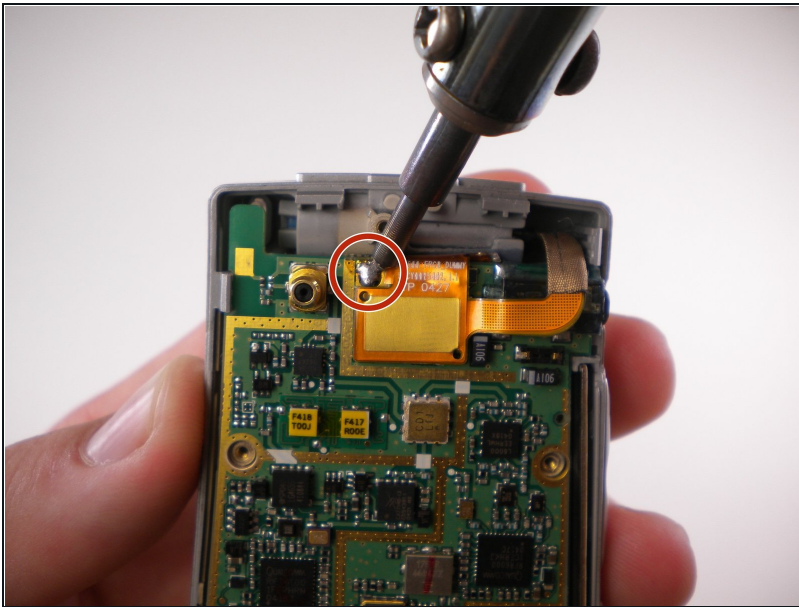
- Carefully flip the logic board up and out of the way.

Step 9



- Use an iPod Opening Tool to lift up on the keypad and pull it out.

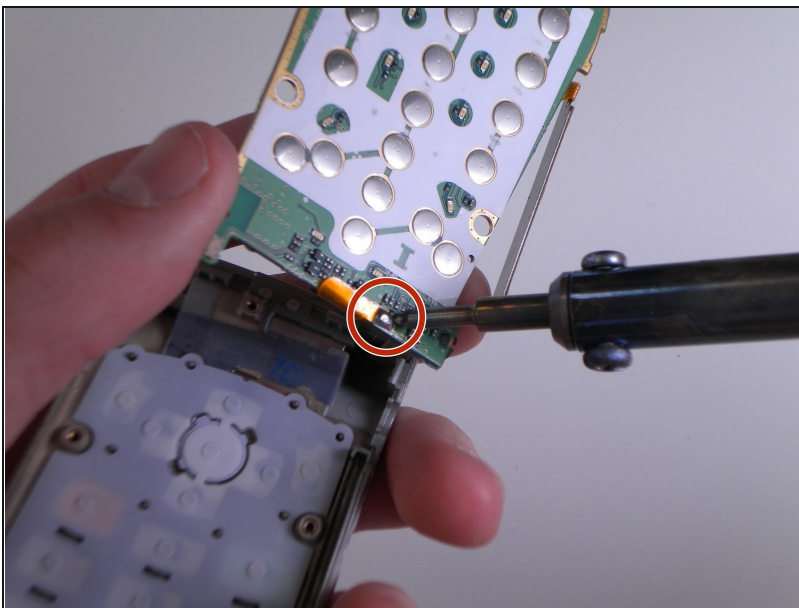
Step 10 — Motherboard



⚠ DO NOT TOUCH SOLDERING IRON. IT IS EXTREMELY HOT.

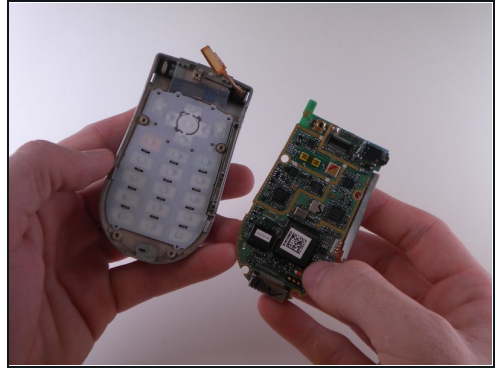
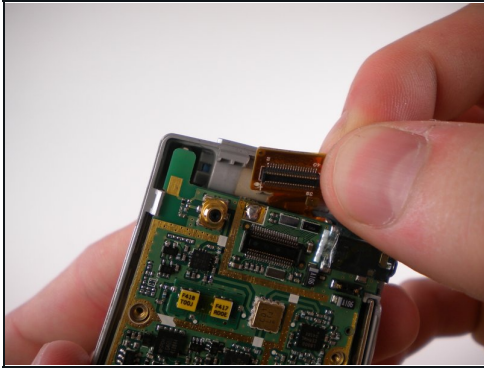
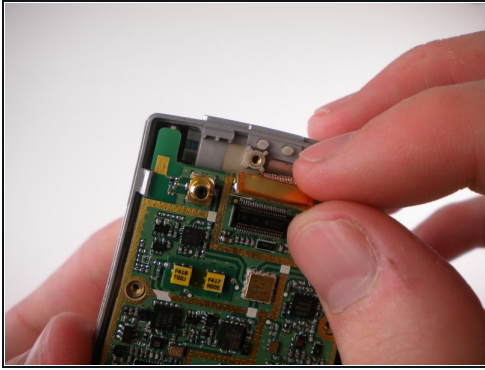
- Use a soldering iron to desolder the solder joint on the front of the motherboard.
- ⓘ If you need more information on soldering, refer to this [guide](#).

Step 11



- Desolder the joint on the back using a soldering iron.

Step 12



- Carefully detach the ribbon cable and remove the motherboard.

Step 13 — Outer Display Cover



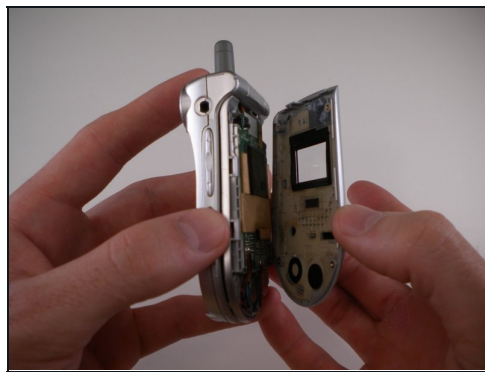
- Remove 4 rubber grommets using the Spudger.

Step 14



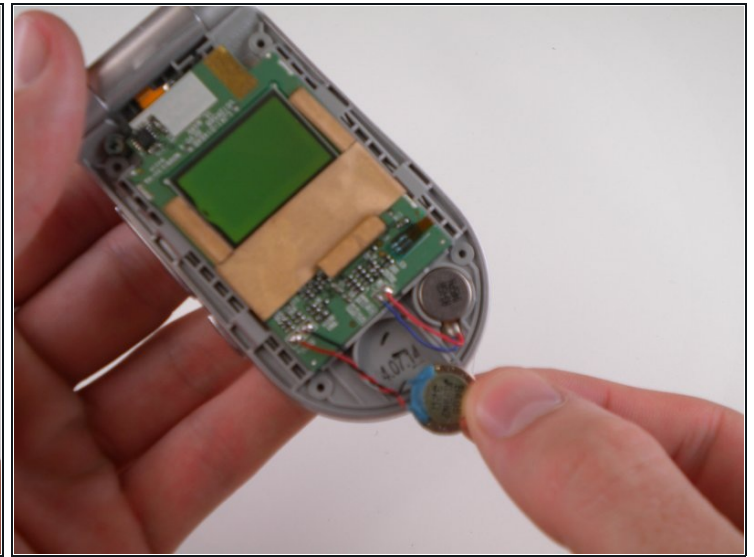
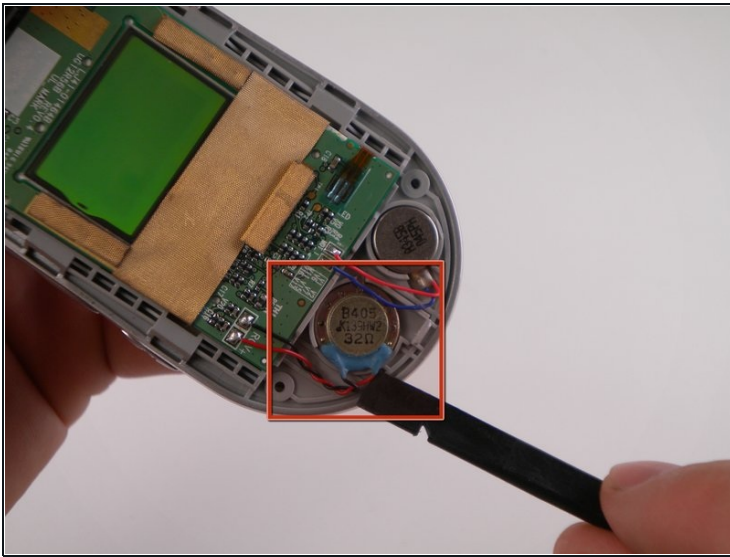
- Remove 4 screws using the Phillips #00 Screwdriver.

Step 15



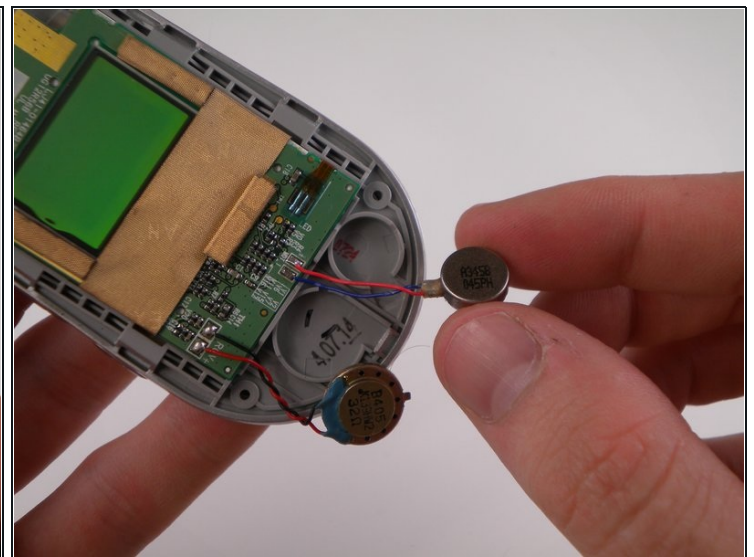
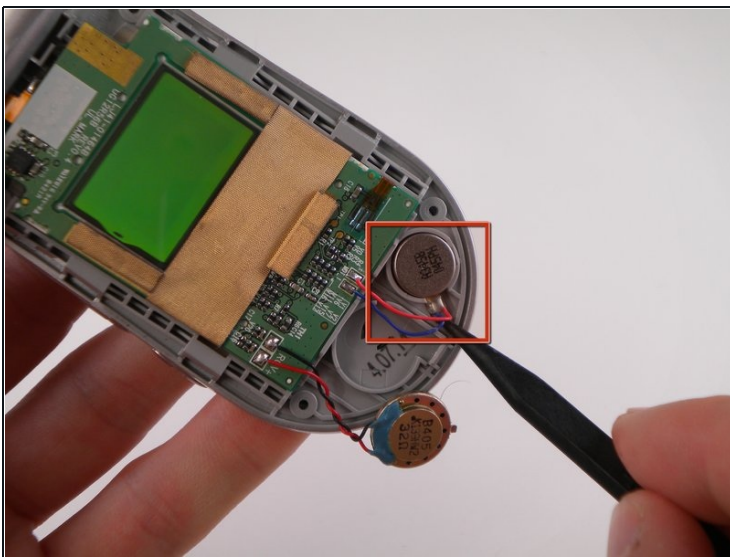
- Carefully pry off outer cover using iPod Opening Tool.

Step 16 — Display



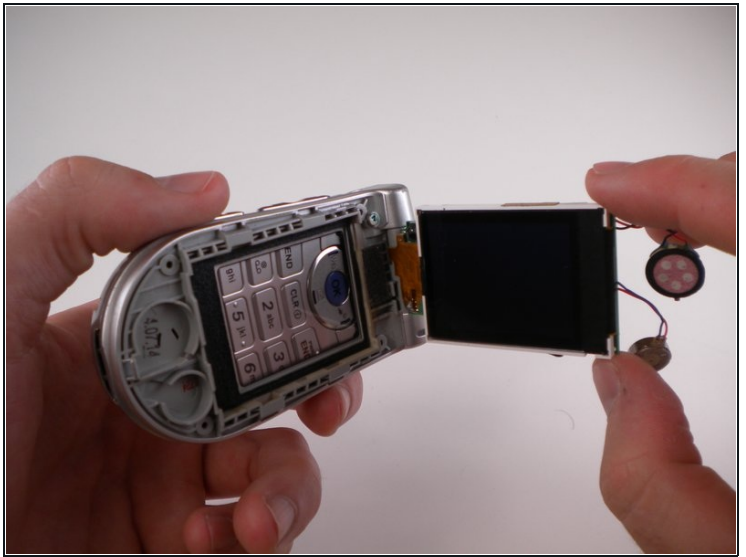
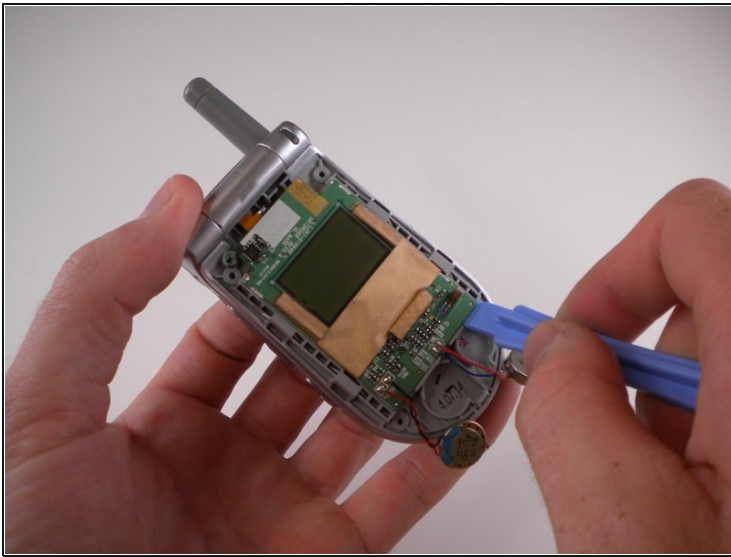
- Remove speaker using the Spudger.

Step 17



- Remove vibrator using the Spudger.

Step 18



- Lift up LCD display using iPod Opening Tool.

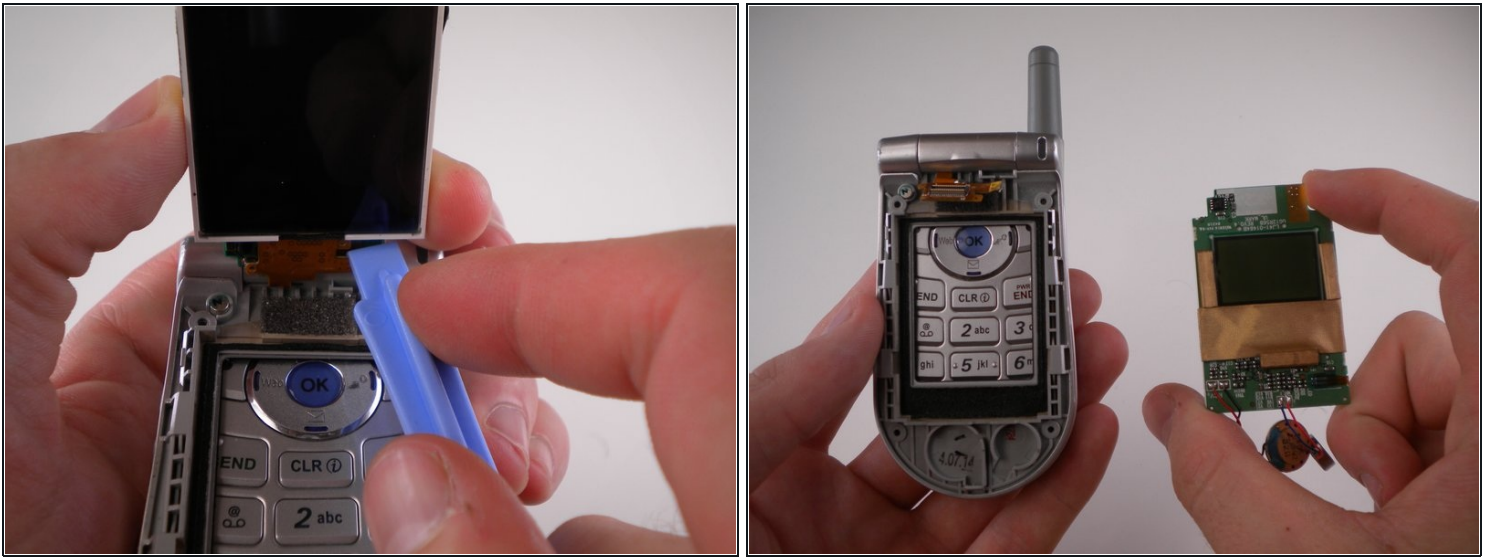
Step 19



⚠ DO NOT TOUCH THE
SOLDERING IRON. IT IS
EXTREMELY HOT!

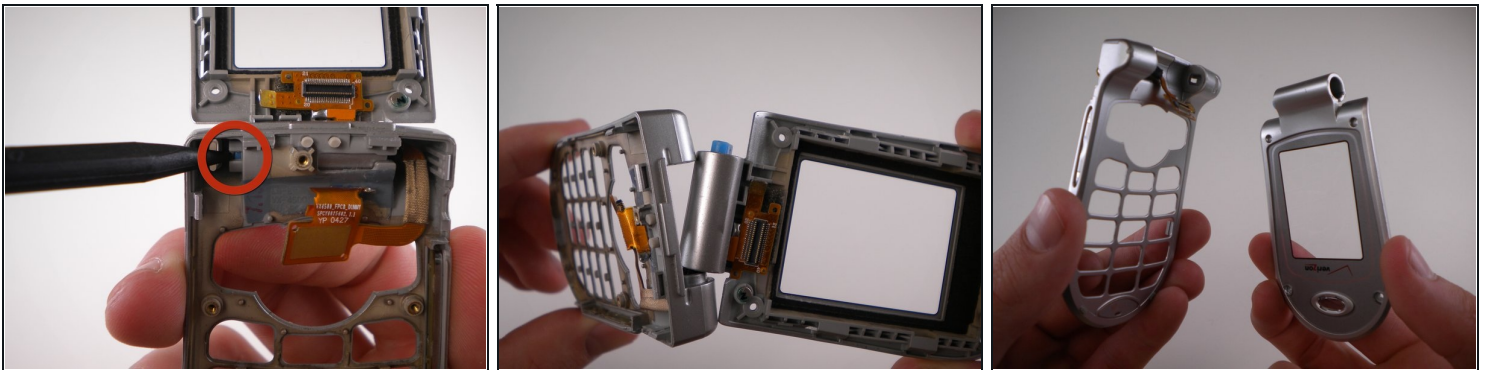
- De-solder solder joint using
Soldering Iron.

Step 20



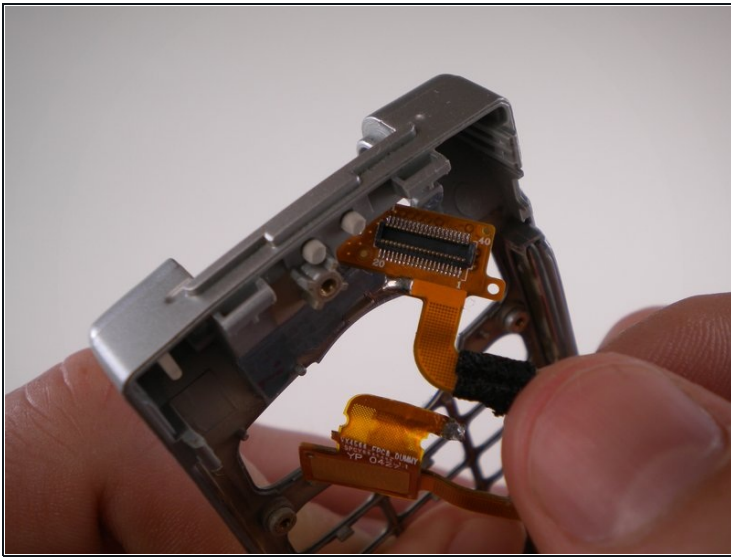
- Pry off ribbon cable using iPod Opening Tool.

Step 21 — Ribbon Cable



- Turn phone so that the back side is facing you.
- Press blue button and remove top half using Spudger.

Step 22



- Remove cable from bottom section.

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