



# LG VX4500 motherboard replacement

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# INTRODUCTION

Repairing the logic board.



## TOOLS:

- [Phillips #00 Screwdriver](#) (1)
  - [Soldering Iron](#) (1)
  - [Spudger](#) (1)
  - [iFixit Opening Tools](#) (1)
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## 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.

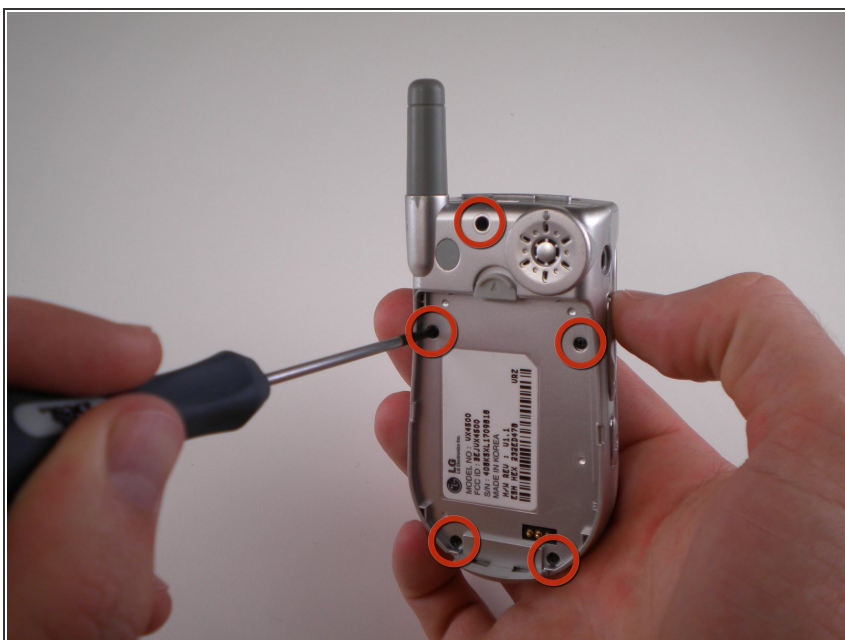


## Step 3 — Rear Cover



- 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.

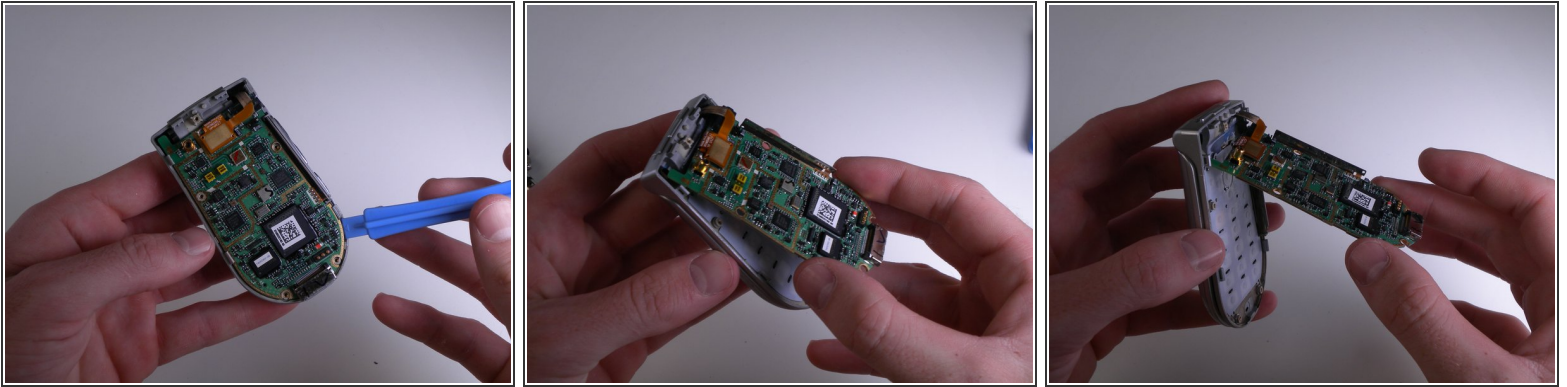
- Using an iPod Opening Tool, carefully pry off the back cover.
- Using Tweezers, gently pull speaker wires out.

## Step 6



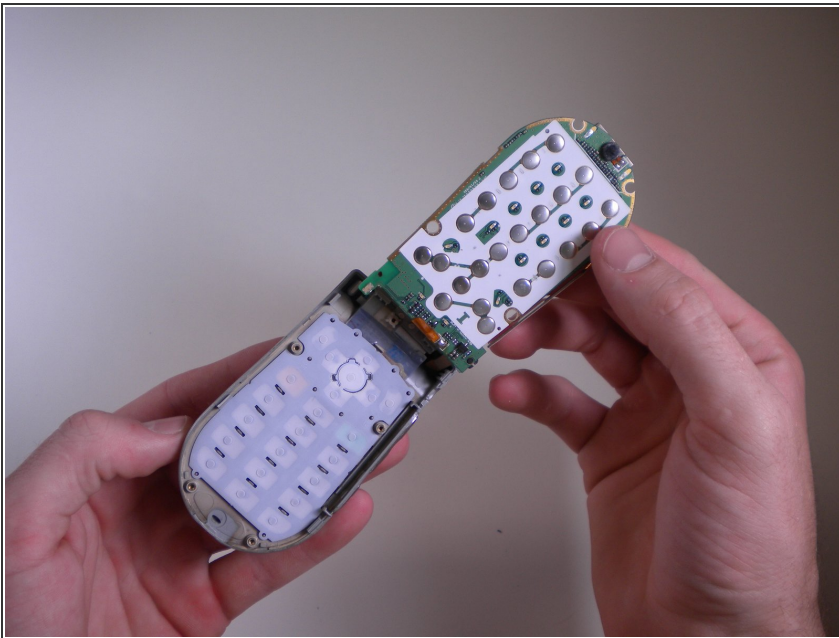
- Separate the two halves.

## Step 7 — Keypad



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

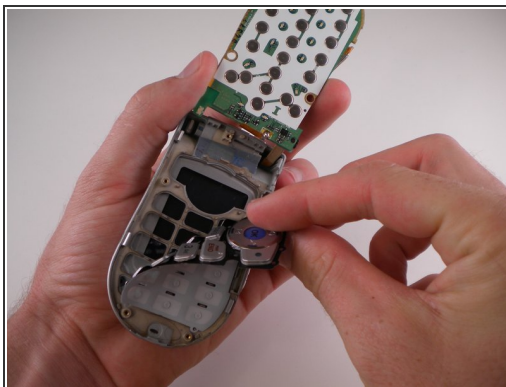
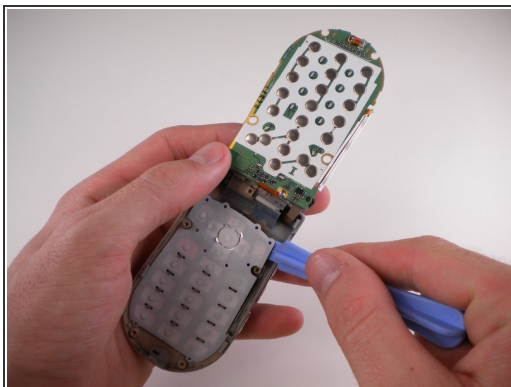
## Step 8



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

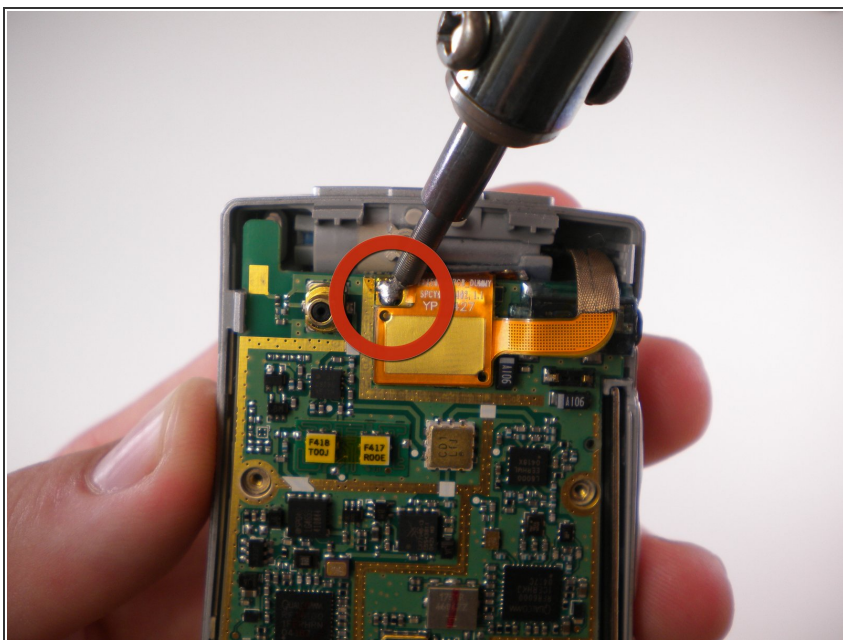


## Step 9



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

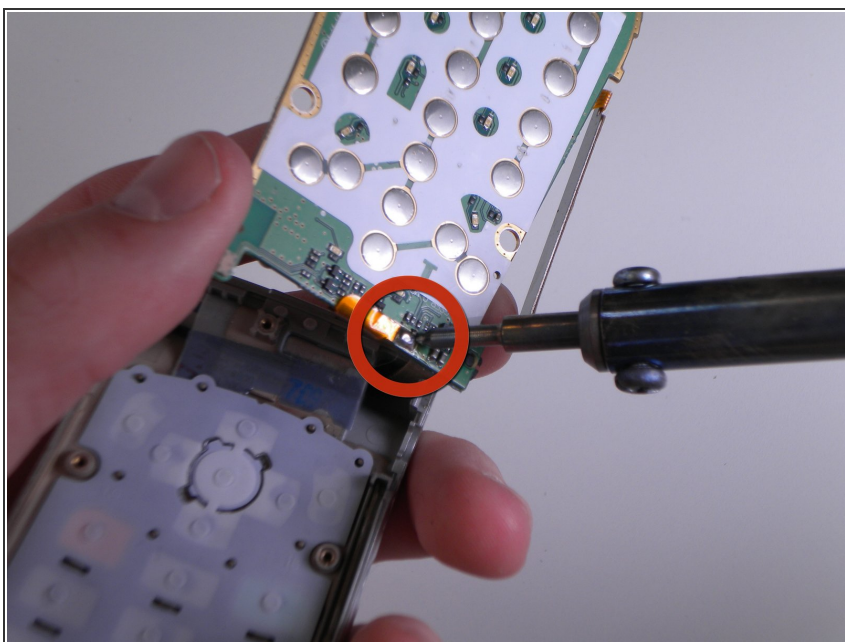
## Step 10 — Logic Board



 DO NOT TOUCH SOLDERING IRON. IT IS EXTREMELY HOT.

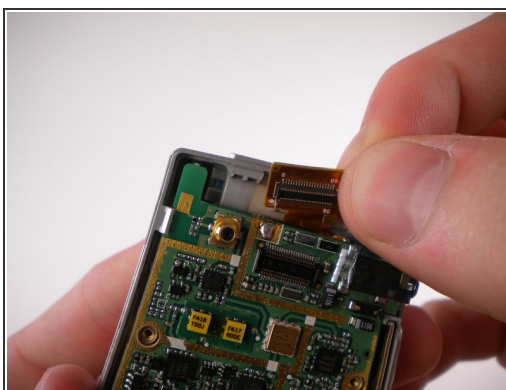
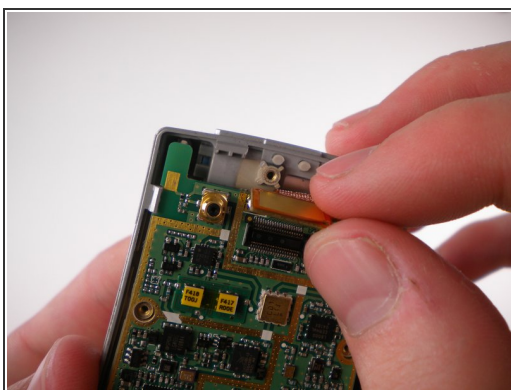
- De-solder solder joint on front using Soldering Iron.

## Step 11



- De-solder solder joint on the back using Soldering Iron.

## Step 12



- Carefully detach ribbon cable and remove logic board.

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