LG VX4500 Motherboard Replacement

An LG VX4500 phone motherboard may become...

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INTRODUCTION

An LG VX4500 phone motherboard may become damaged after being exposed to excessive moisture or severe temperatures and from dropping the phone. If your motherboard becomes damaged, this guide will show you how to successfully replace it. A special skill required to complete this guide is soldering.

🔧 **TOOLS:**

Tweezers (1)
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

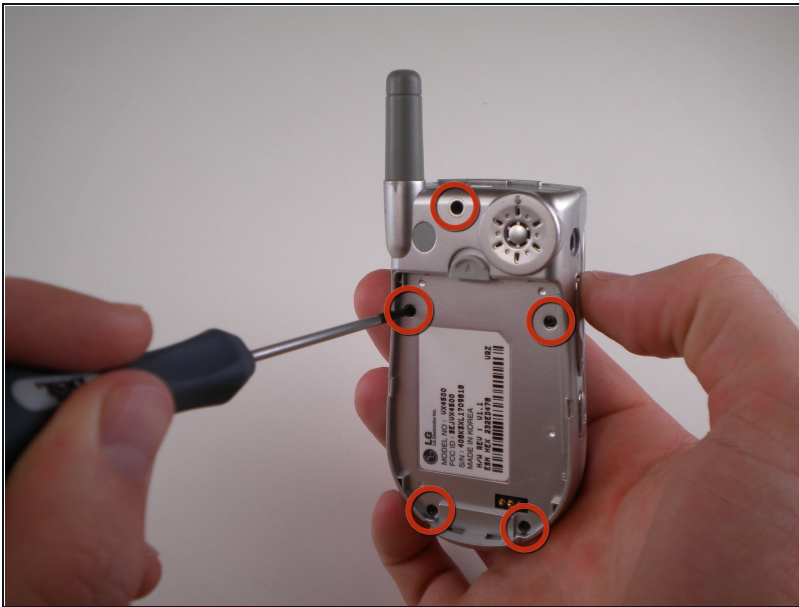- Now just lift up on the battery and remove it from the phone.

Step 3 — Rear Cover
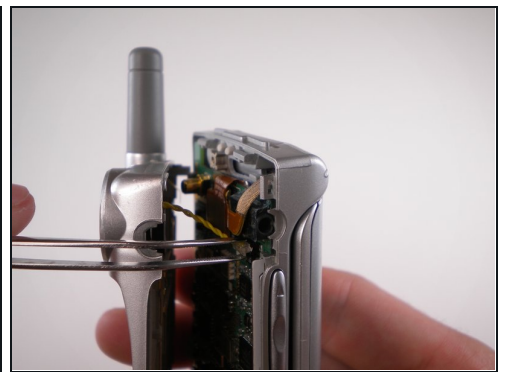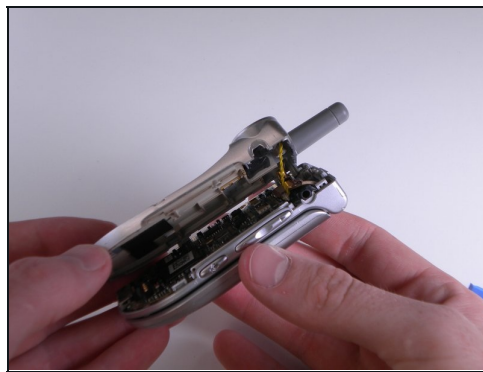

- Remove the rubber grommet using a Spudger.

Step 4

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

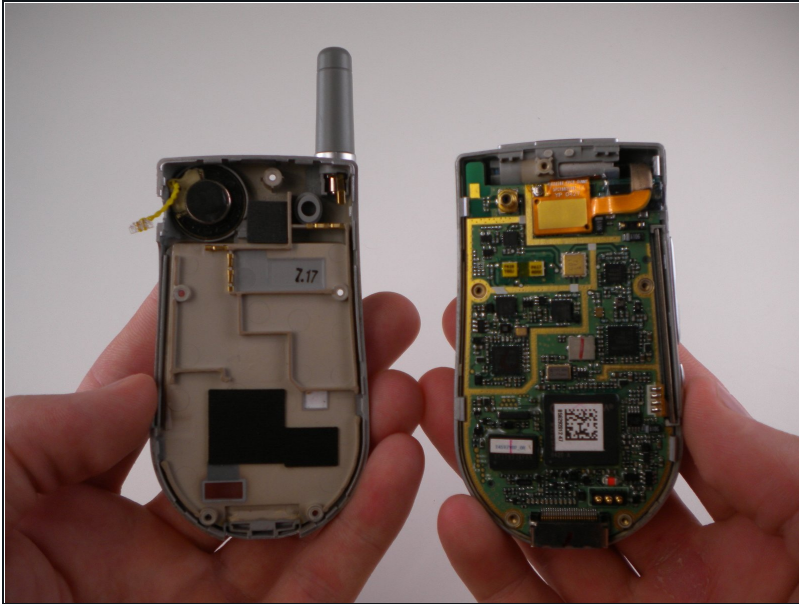● Remove the five screws using a Phillips #00 Screwdriver.

Step 5

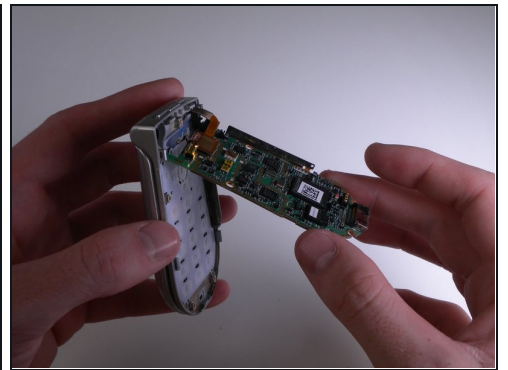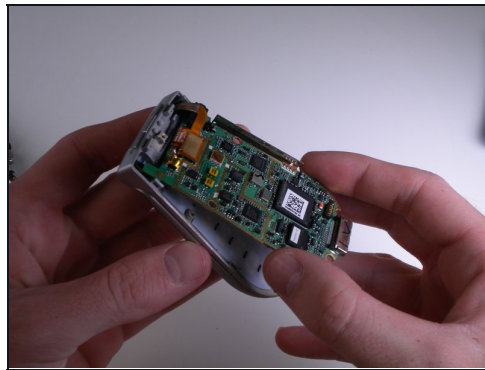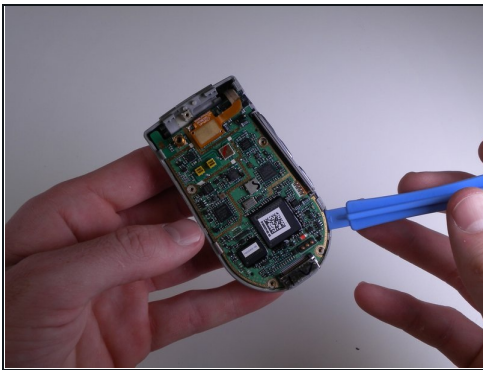⚠ When removing back cover, be careful not to break the speaker wires.

● Using an Opening Tool, carefully pry off the back cover.

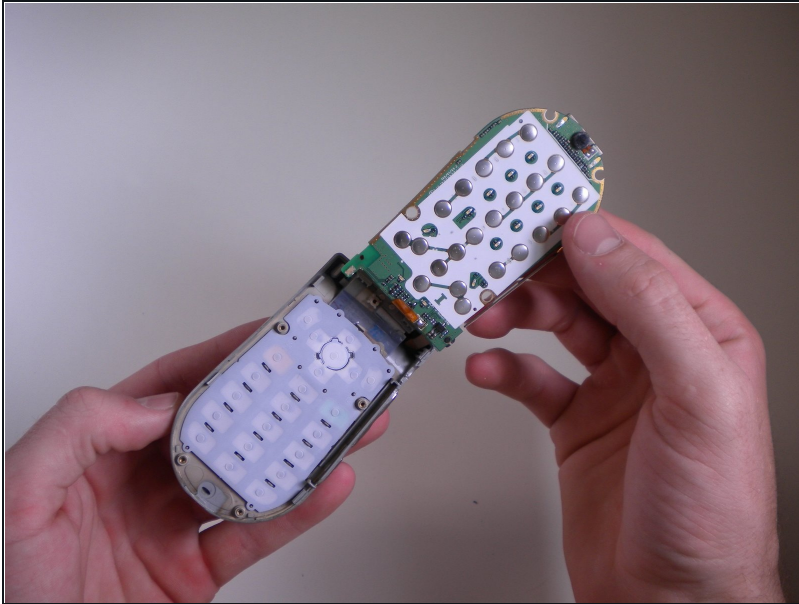● Using tweezers, gently pull the speaker wires out.

Step 6

- Separate the two halves.
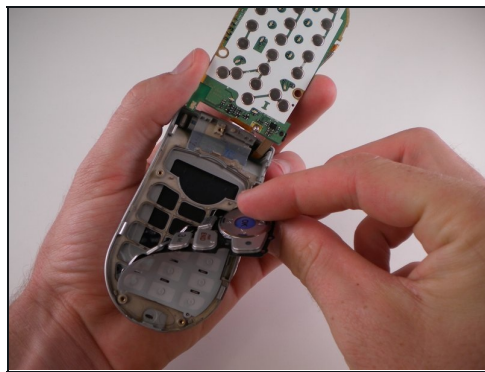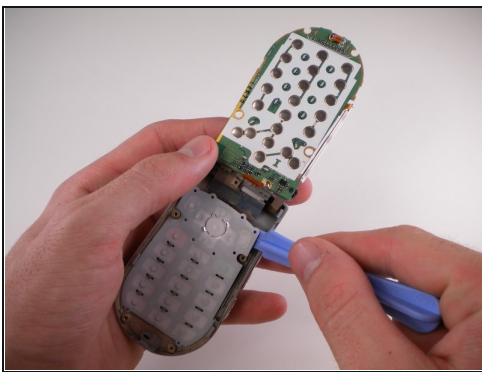
Step 7 — Keypad

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

Step 8

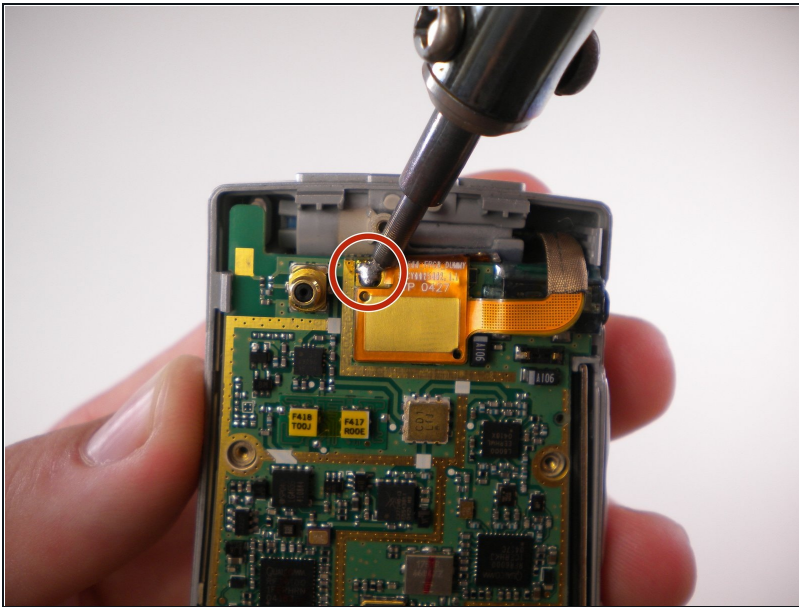- Carefully flip the logic board up and out of the way.

Step 9

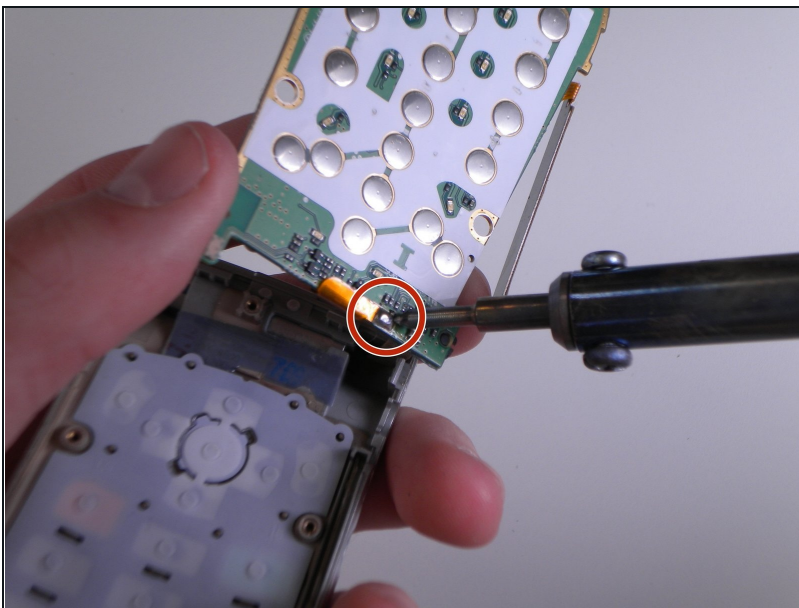- Use an iPod Opening Tool to lift up on the keypad and pull it out.

Step 10 — Motherboard
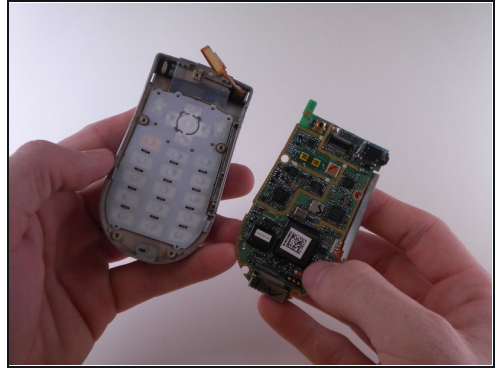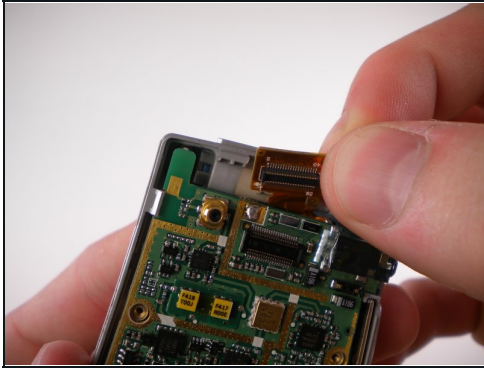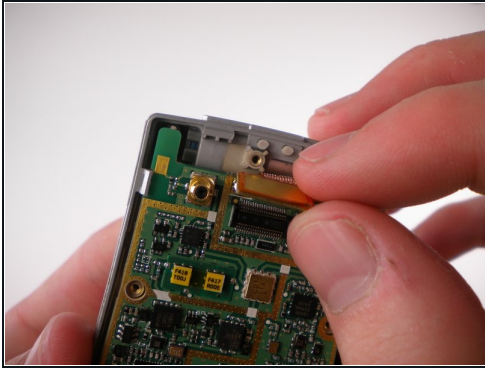

⚠ DO NOT TOUCH SOLDERING IRON. IT IS EXTREMELY HOT.

- 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.

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