



LeapFrog LeapPad Ultimate Motherboard Replacement

Replacing a corrupt motherboard is necessary for the device to be reused again

Written By: Fernando Lozano-Garcia



INTRODUCTION

To replace the battery is a mild task to get to and can take up to 15 minutes to complete. A far warning, patience is key because the device itself is difficult to open . The only tools that will be needed will be a screwdriver and some tweezers .

TOOLS:

- [Phillips #1 Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [Tweezers](#) (1)
-

Step 1 — Back Panel



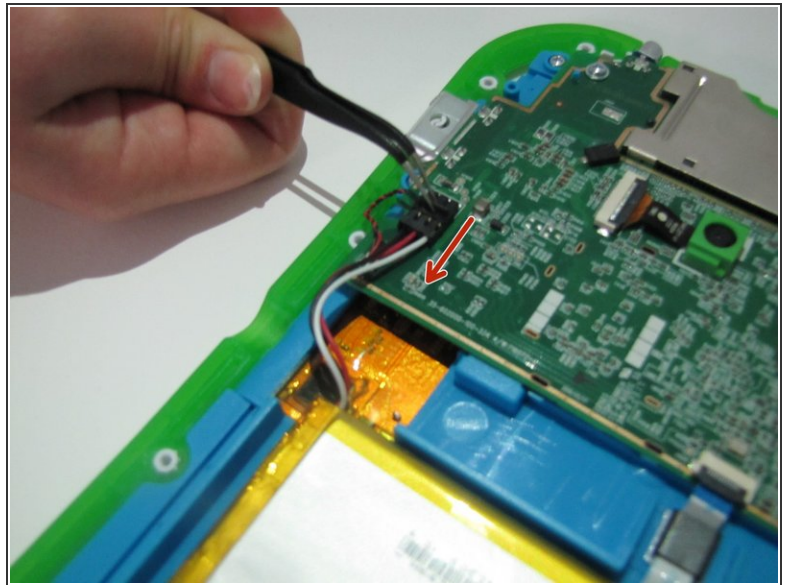
- Flip over the Pad to its back side to begin the removal of the back panel.
- Begin by removing the blue rim along the edge of the device. It runs along the green silicone lining.
- ⚠ This is very difficult to remove, so do be patient. To help remove the seal, both a metal spudger and plastic opening tool may be used.
- ⓘ Remove the pen from its place before starting to avoid tangling.

Step 2



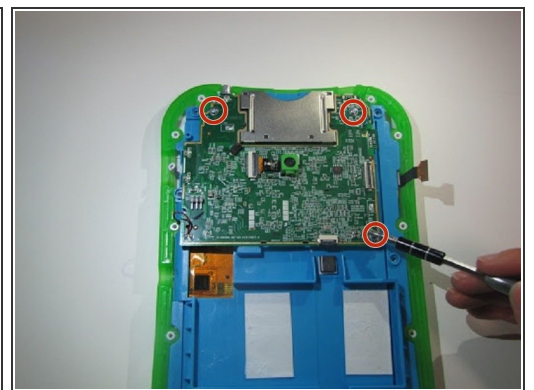
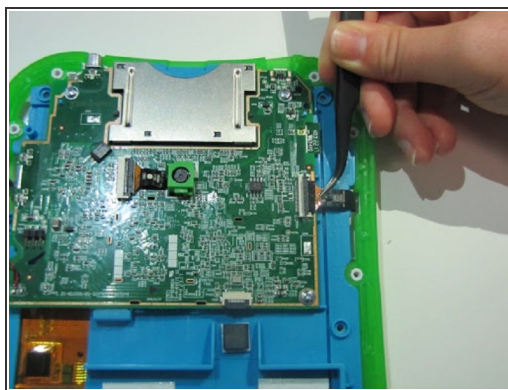
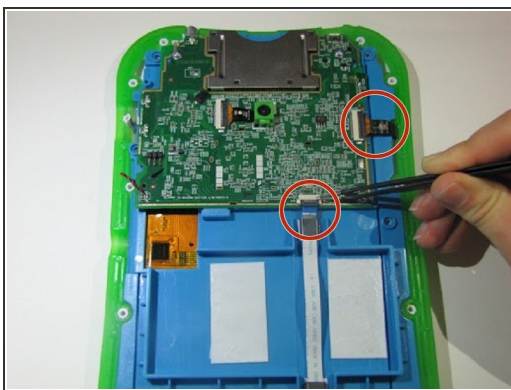
- Once the blue rim is removed, the 12 screws will be visible.
- Use the Phillips #1 screwdriver to unscrew all 12 screws.

Step 3 — Motherboard



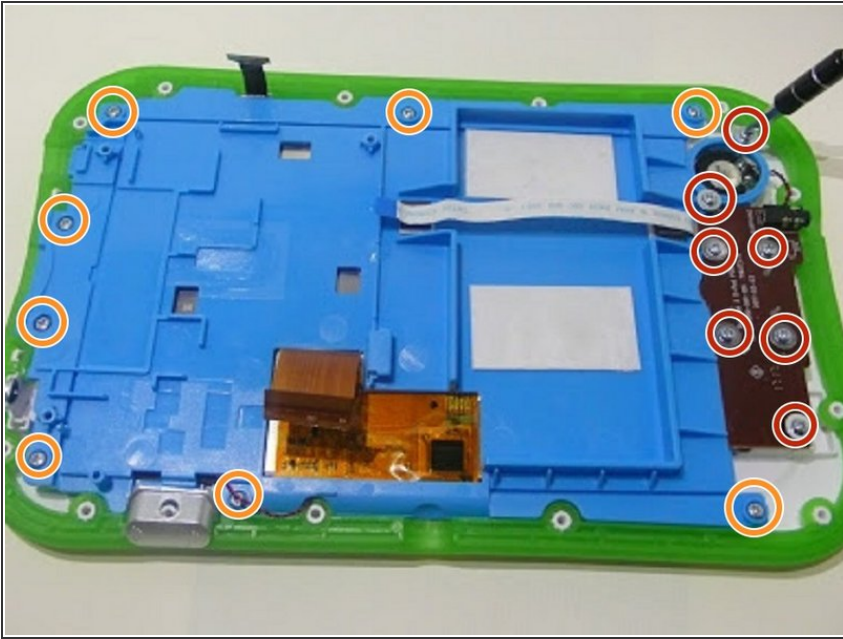
- Begin with the removal of the battery from its place.
- Flip the black switch that is connecting the battery to the motherboard.
- Then pull gently and should disconnect.

Step 4



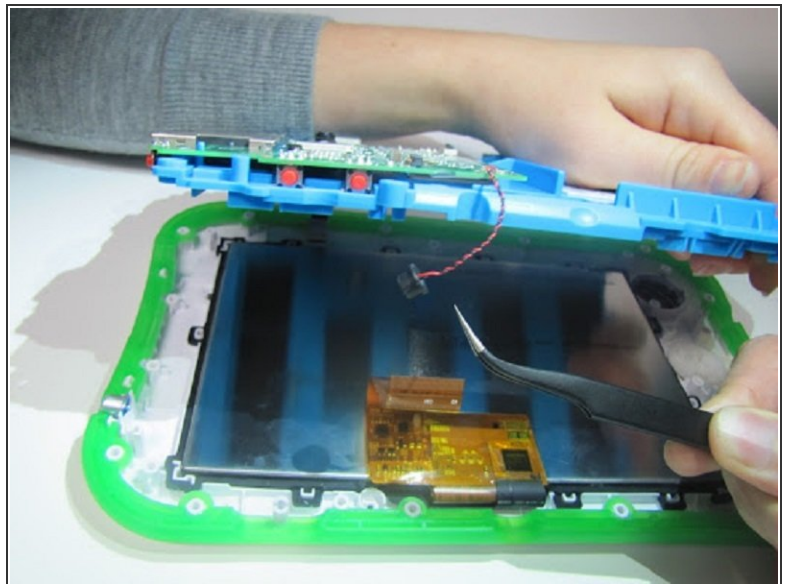
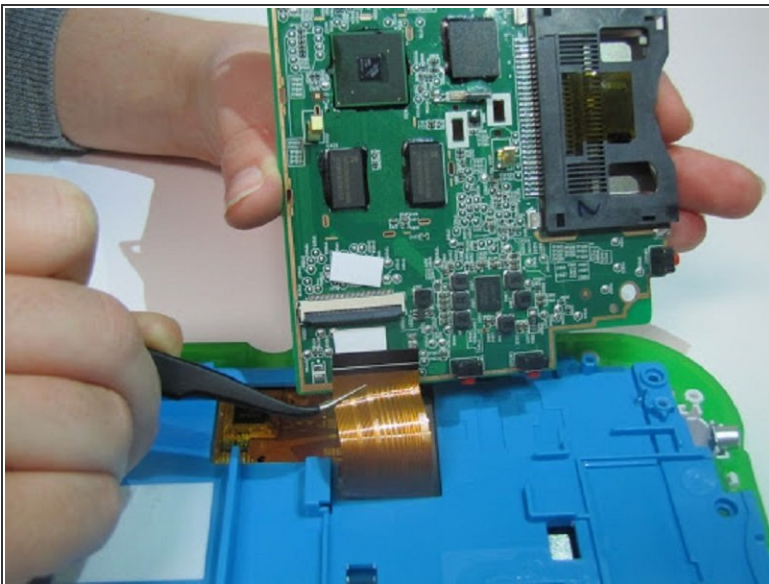
- Remove the black and white ribbon structures from the side of the motherboard.
- Next, remove the three screws along the corners of the motherboard using the Phillips # 1 screwdriver.

Step 5



- Use a Phillips #1 screwdriver to unscrew the 7 screws from the speaker with the bronze plate sound board.
- Unscrew the 8 screws from the blue sub-panel.

Step 6



- Take off the sub-panel exposing the motherboard.
- Flip the motherboard on its back side and flip the switch to remove the wide orange ribbon and pull the twisted black and white wires from its place.

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