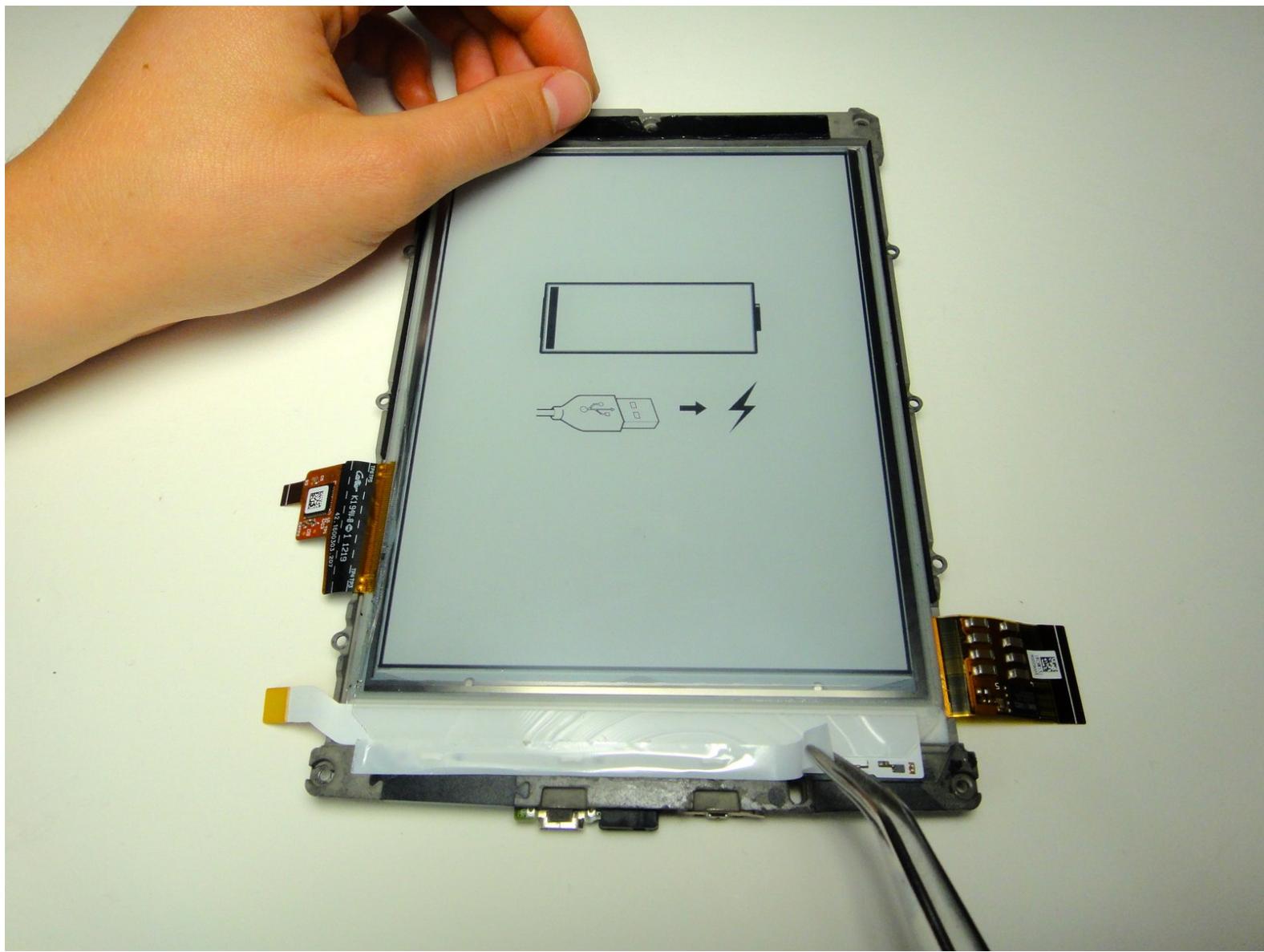




# Kindle Paperwhite 1st Generation LED Lights Replacement

Use this guide to install new LED lights into your Kindle Paperwhite.

Written By: Anthony Nahal



## INTRODUCTION

Having trouble reading in the dark? Replace the display's LED lights if the lighting on your Kindle is uneven or absent.

### TOOLS:

- [Phillips #2 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Spudger](#) (1)
- [Tweezers](#) (1)

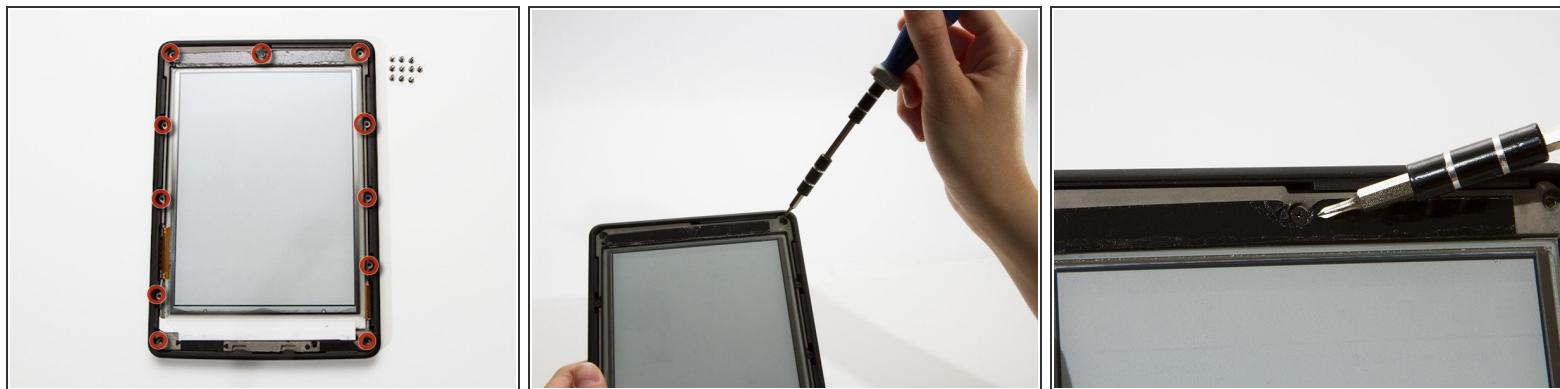
## Step 1 — Case



- Using a spudger or plastic opening tool, gently pry the bezel from the screen. It is easier to start in the corners and work your way around the bezel.

 Do not insert the spudger too far under the bezel; it could easily damage the screen.

## Step 2



- Remove the eleven 3.0 mm Phillips screws surrounding the midframe.
- At the top of the display, a strip of black tape covers one screw.

## Step 3



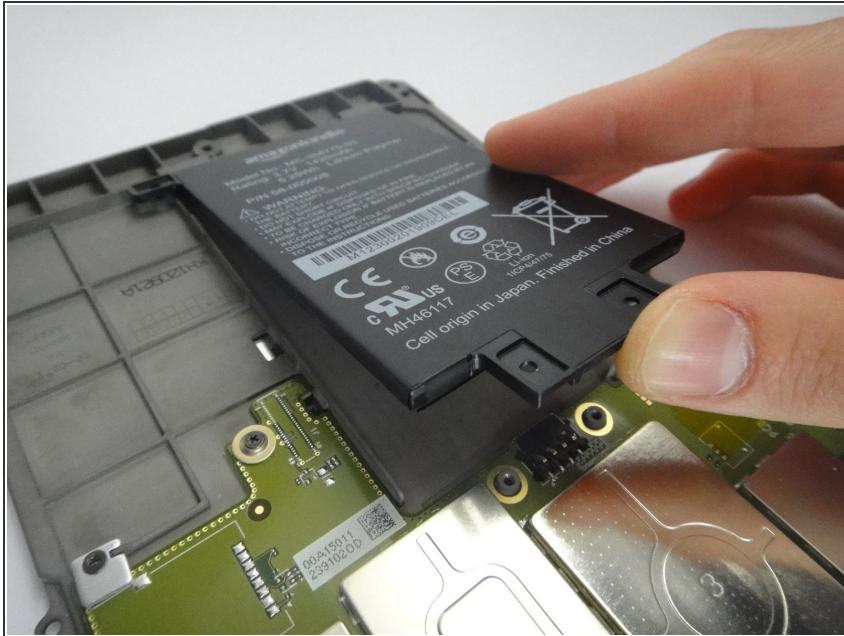
- Lift the midframe out of the case.
- *i* If the midframe is stuck, slide it to the left first, and then lift it out.

## Step 4 — Battery



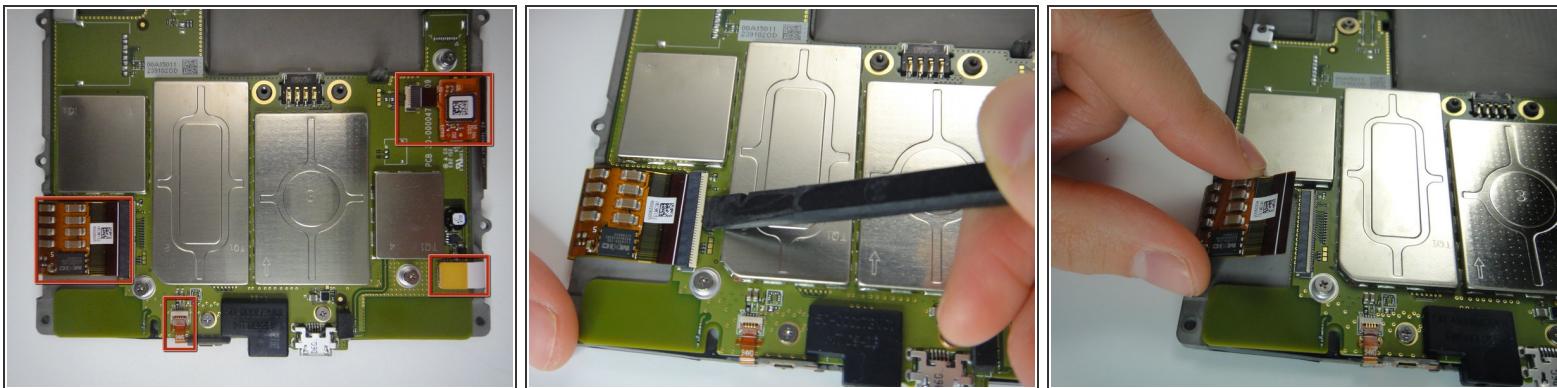
- Turn over the midframe to locate the battery.
- Remove the three Phillips 3.0 mm screws securing the battery to the midframe.

## Step 5



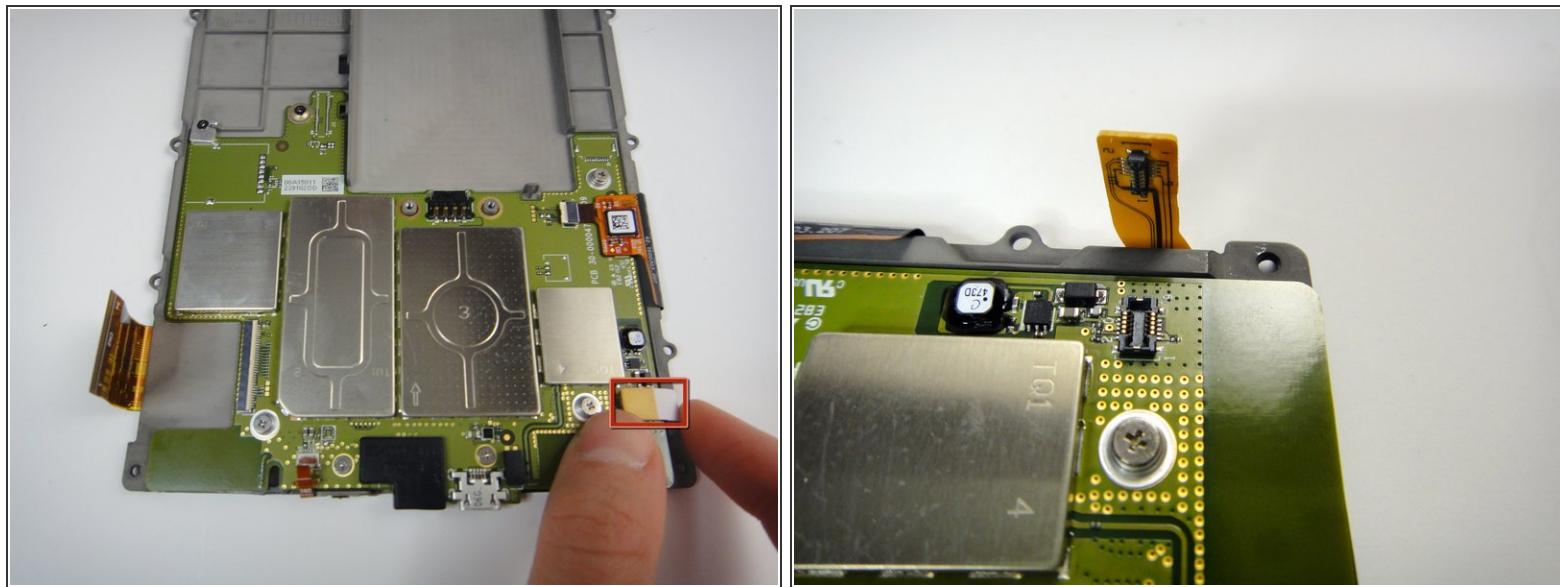
- Gently lift the battery from the bottom, and slide it out of the midframe.

## Step 6 — Motherboard



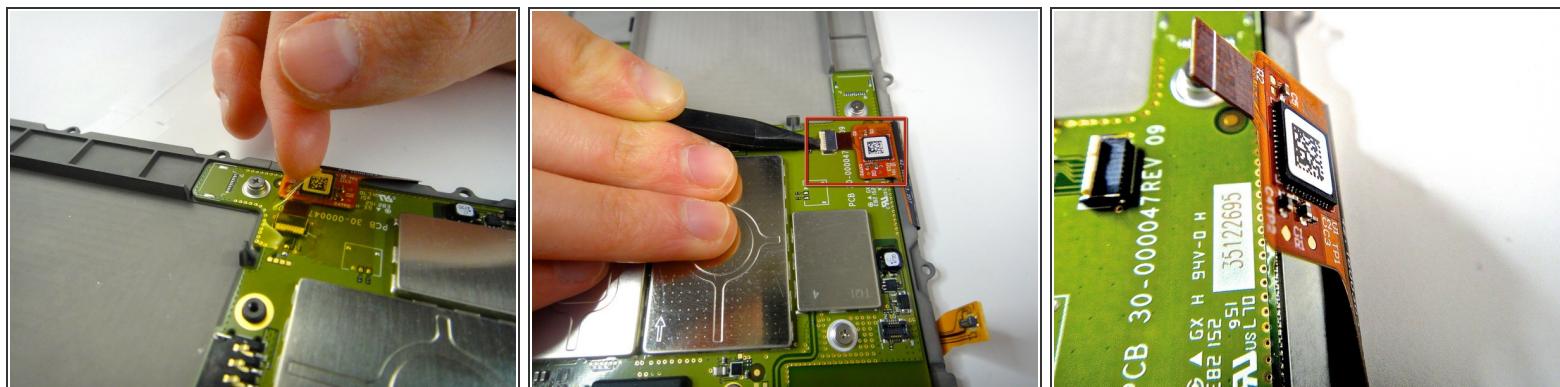
- With the case and battery removed from the midframe, begin removing all cables attached to the motherboard.
- Place the device so the midframe's backside faces up. Start with the cable on the bottom left corner.
- Use a spudger to lift up the white locking cable tensioner and slide the flex cable out.
- Proceed counterclockwise to the next cable and repeat. Small flex cable on the bottom won't need cable tensioner lifted, just carefully pull out.

## Step 7



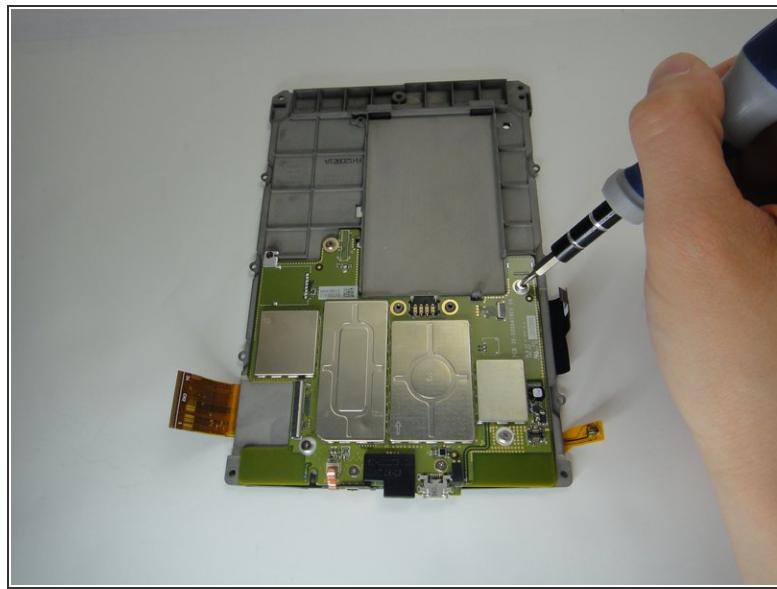
- Remove the white flex cable by gently lifting the yellow plastic connector.

## Step 8



- Remove the yellow anti-static tape from the display ribbon cable connector.
- Use a spudger to lift up and disconnect the cable tensioner.

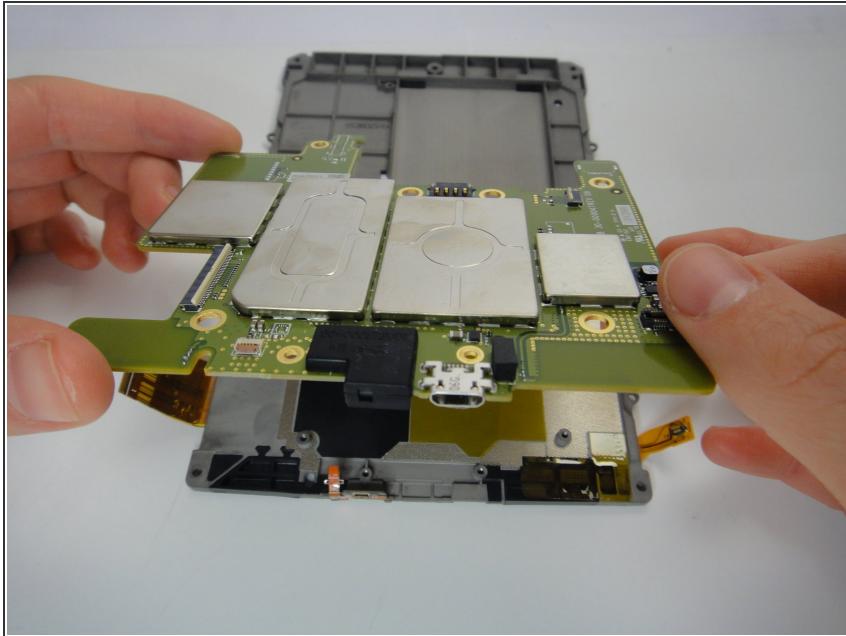
## Step 9



Use a Philips screwdriver to remove the seven 3.0 mm Phillips screws securing the motherboard:

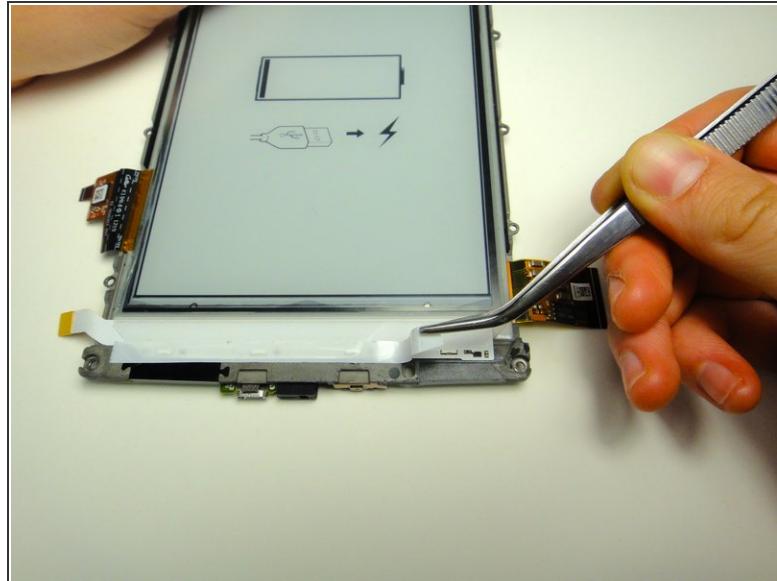
- Three silver screws with silver washers
- Two silver screws with no washers
- One black screw with a golden washer
- One black screw with a square washer

## Step 10



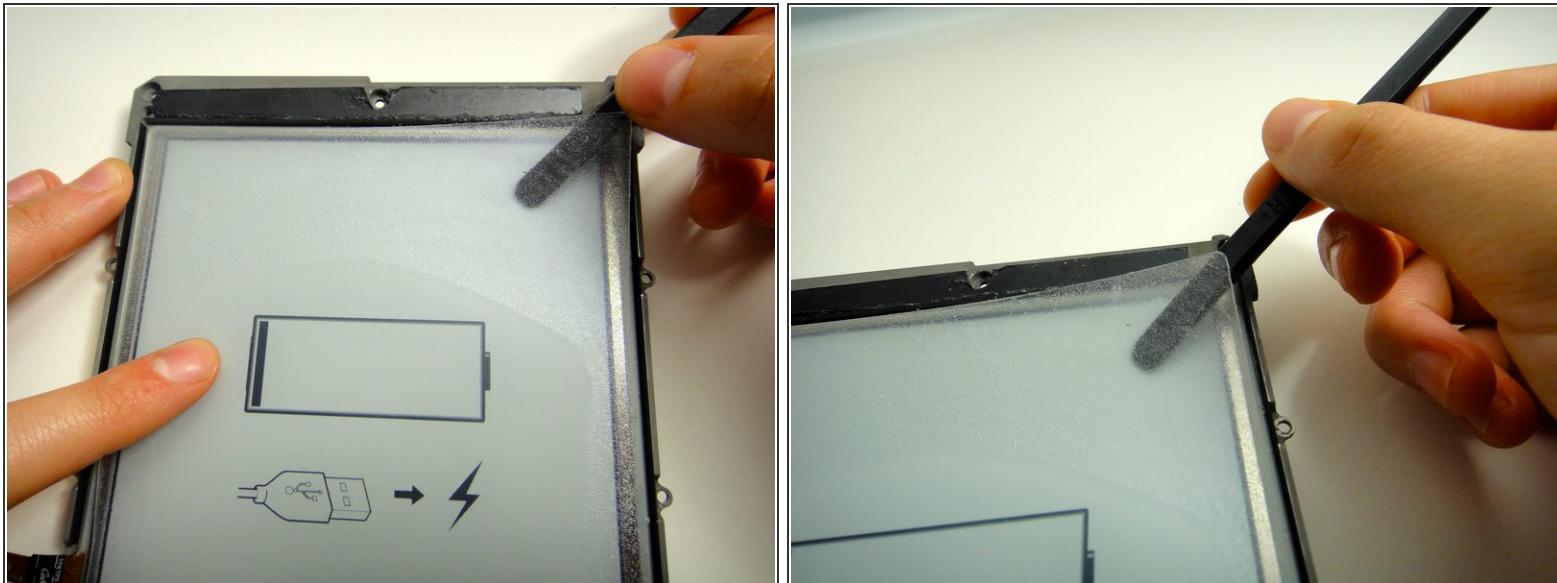
- Remove the motherboard.

## Step 11 — LED Lights



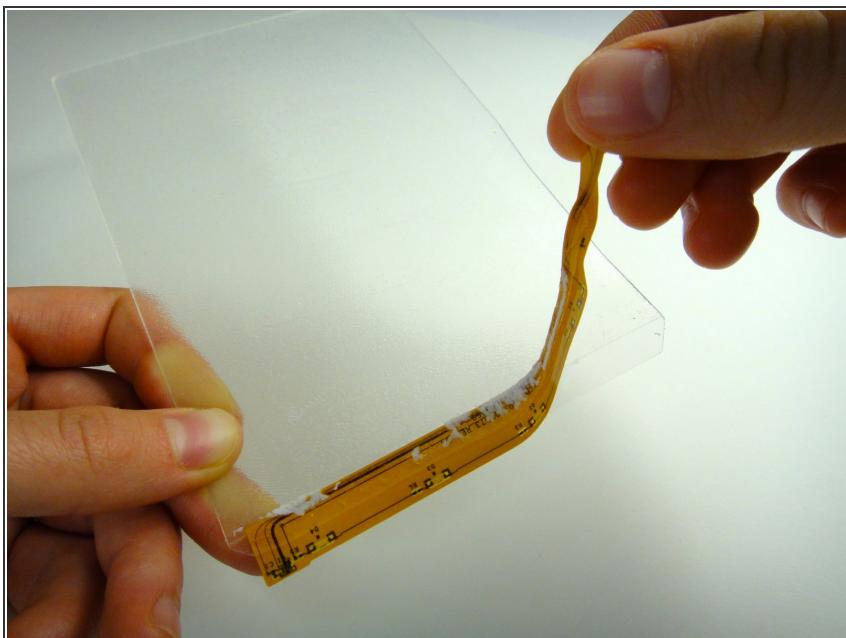
- Use a pair of tweezers to remove the white strip of tape that covers the LED lights.

## Step 12



- Use a spudger to gently remove the plastic screen from the display.
- The plastic screen is held on by a thick layer of glue. Be patient when lifting the screen to avoid bending or breaking the thin plastic.

## Step 13



- Once the outer screen is removed from the Kindle, gently use your fingers to pull off the LED lights.

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