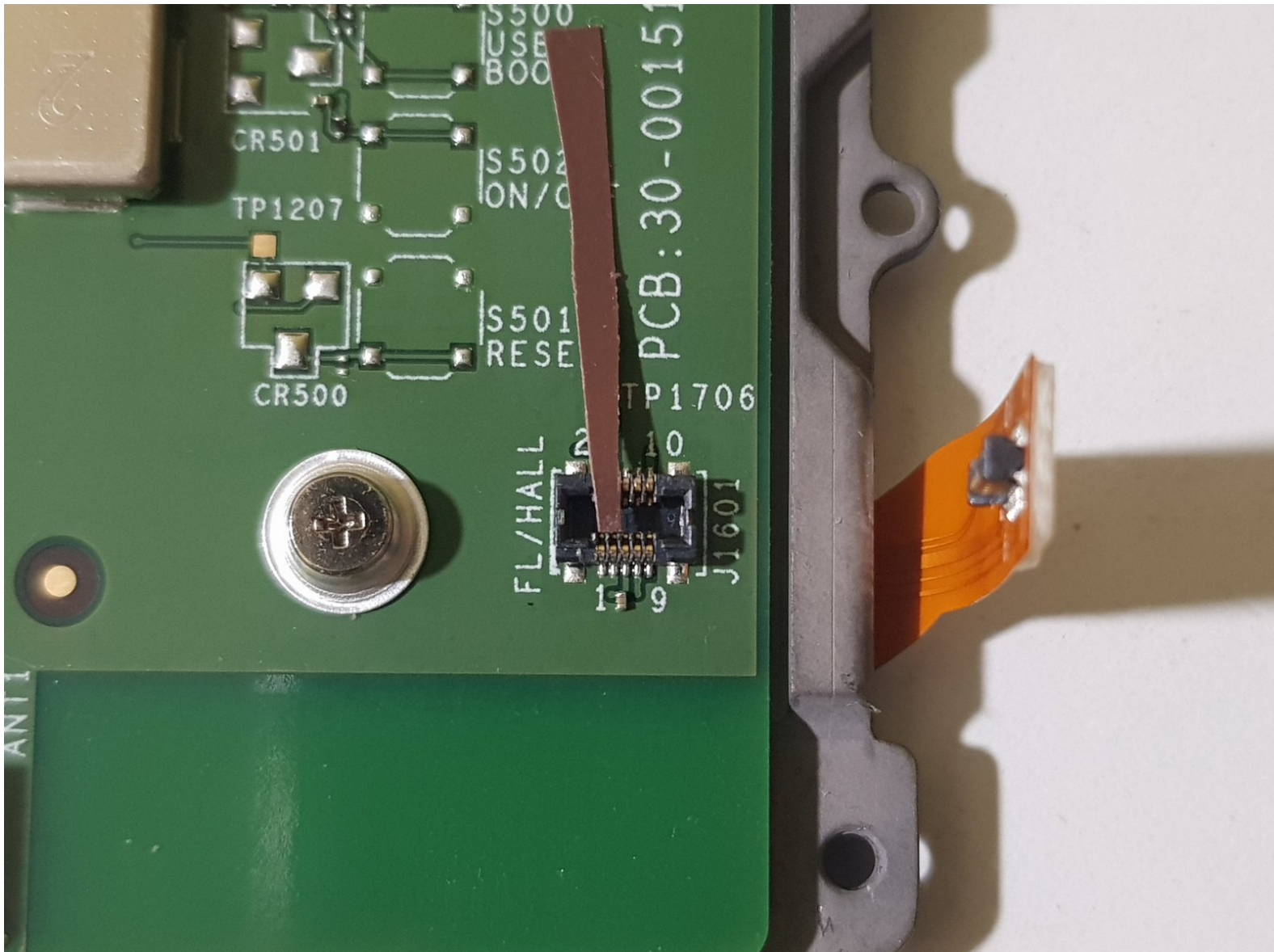




Disabling the Cover Sensor on Kindle Paperwhite 3 (7th Generation)

Not responding to the power button, but it wakes up and goes back to sleep sporadically? Is a display replacement not an option for you?

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INTRODUCTION

If your Kindle does not respond when pressing the power button, but wakes and goes back to sleep sporadically, this is due to a malfunctioning cover sensor, which is a hall effect sensor located on the same flex cable where the LEDs for the frontlight are located.

On some e-readers, like those from Kobo, this sensor can be disabled in software, but disabling it on a Kindle requires a hardware modification that can be undone relatively easily.

Normally, fixing this would require a replacement of the entire display assembly, but what if you wanted a temporary solution to tide you over until you are able to replace the display assembly, or upgrade to a new Kindle (or other e-reader), and have the skills and tools to take apart electronics?

This guide requires that your Kindle remain powered on but in sleep mode, and that a plastic opening tool, and a PH000 screwdriver are used. You will also need to react quickly to disconnect the frontlight before it goes back to sleep again.

TOOLS:

- [iFixit Opening Tools](#) (1)
- [Phillips #000 Screwdriver](#) (1)
- [Utility Scissors](#) (1)
- [Plastic Cards](#) (1)

PARTS:

- [Electrical Tape in 6 Assorted Colors](#) (1)

Step 1 — Disassembly



- ⓘ You will need to leave your Kindle powered on but in sleep mode.
- ⓘ If it has run out of power, you may want to plug it in first to ensure that the display is still intact and not cracked.
 - Gently pry the bezel off the screen using a plastic opening tool. Start at the corners and slide around the edges until you return to your starting point.
- ⓘ You may need plastic cards in between the bezel and rear cover if the former keeps sticking back down while you attempt to pry it up.
- ⚠ Be careful if using the metal spudger, as it can scratch the surface of the Kindle.

Step 2



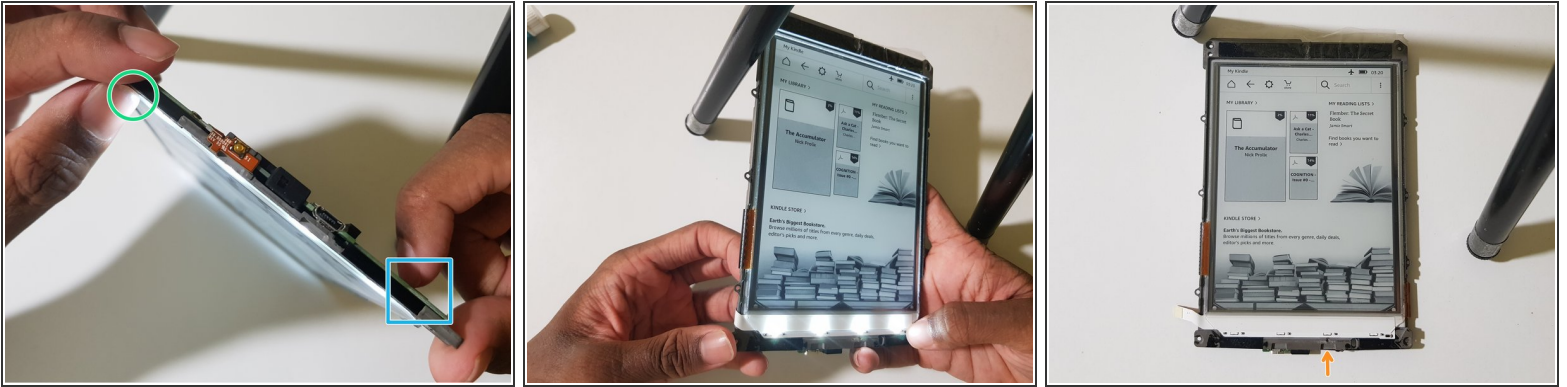
- Unscrew the eleven 3.2 mm Phillips #000 screws surrounding the frame.

Step 3



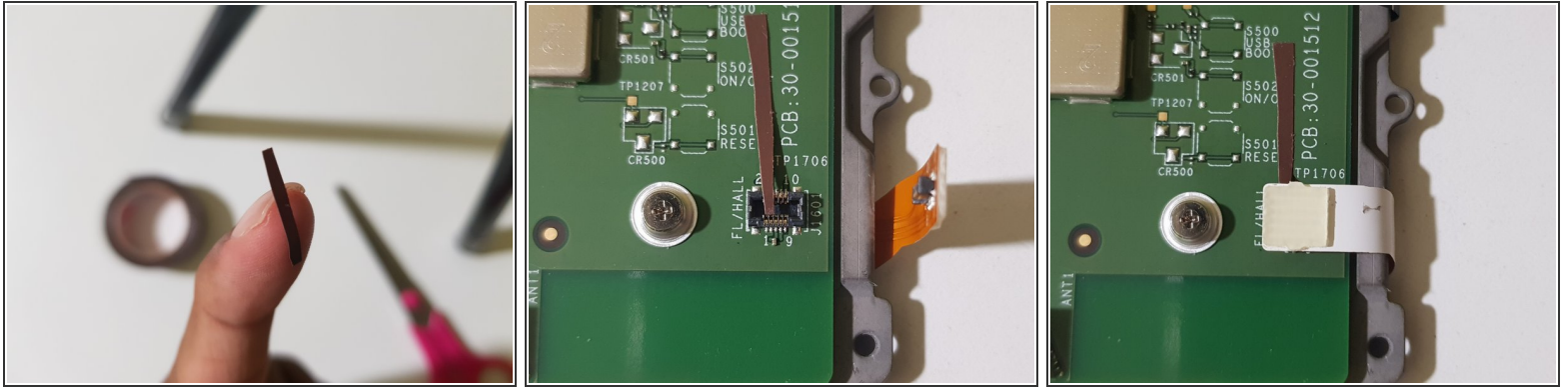
- Gently lift the mid-frame out of the case with your hands.

Step 4 — Disconnecting the Frontlight



- Now comes the hard part.
- Your Kindle may not respond to the power button, and disconnecting the frontlight at this point will leave it in that unusable state.
- Tap on or bring a magnet close to the hall effect sensor.
- When the frontlight lights up, immediately unplug its connector.
- If your Kindle remains awake for more than 3 seconds, you may now put it back to sleep by pressing the power button.
 - If not, you may have to repeat this step.

Step 5



- You will then need to cover pins 2 and 4 of the front light connector.
- Cut a small piece of electrical tape that is thin enough to cover both pins, and apply it.
- Reconnect the frontlight.

⚠ Be careful to not block pin 6 and/or any other pins, as it may result in the frontlight not receiving power and/or the device re-entering the closed cover state.

To reassemble your device, follow steps 1-3 in reverse order.