



Kindle Voyage Ambient Light Sensor Replacement

Guide to removing the Kindle Voyage's Ambient Light Sensor

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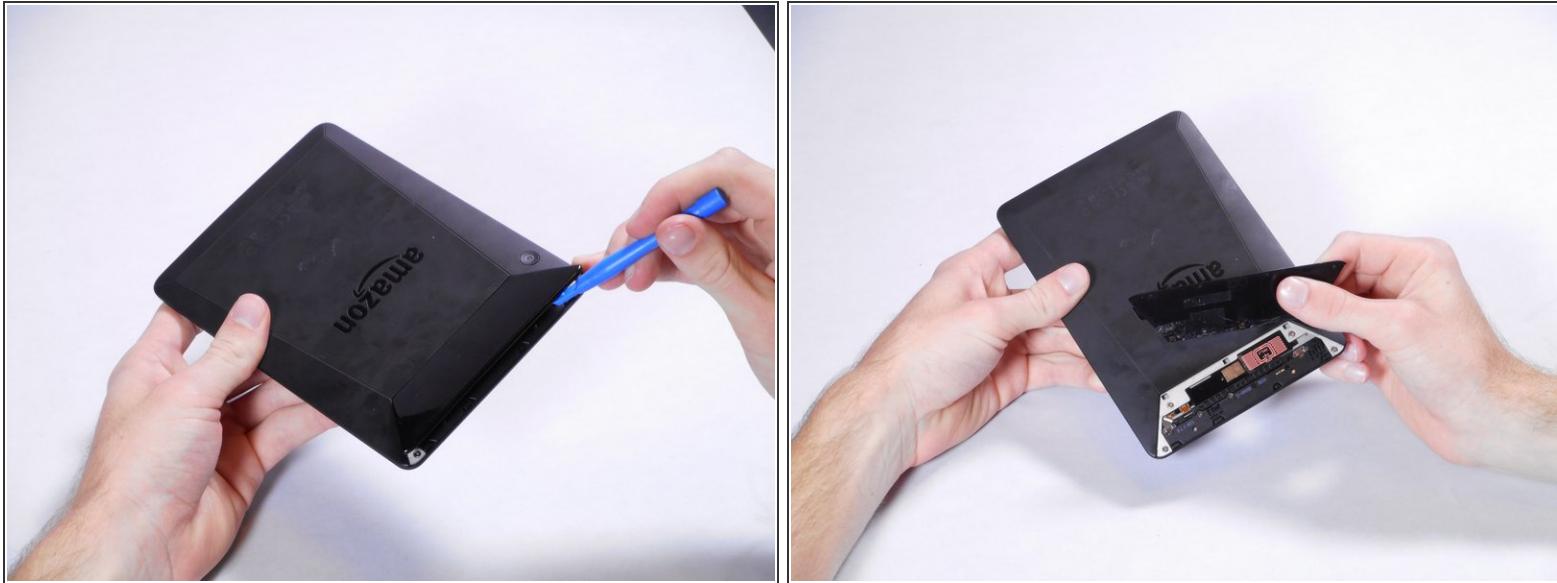
INTRODUCTION

The ambient light sensor is what lets you read in less-than-ideal lighting situations. It is attached to the motherboard near the battery and again at the top where it actually can get light from outside of the device.

TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [64 Bit Driver Kit](#) (1)
- [iFixit Opening Tools](#) (1)
- [Plastic Cards](#) (1)
- [Tweezers](#) (1)

Step 1 — Back Panel



- Insert a plastic opening tool between the plastic panel shown on the device.
 - Use the tool to pry the plastic away from the device.
- i** There will be adhesive holding this piece of plastic to the device. You may have to pull pretty hard to get it separated.

Step 2



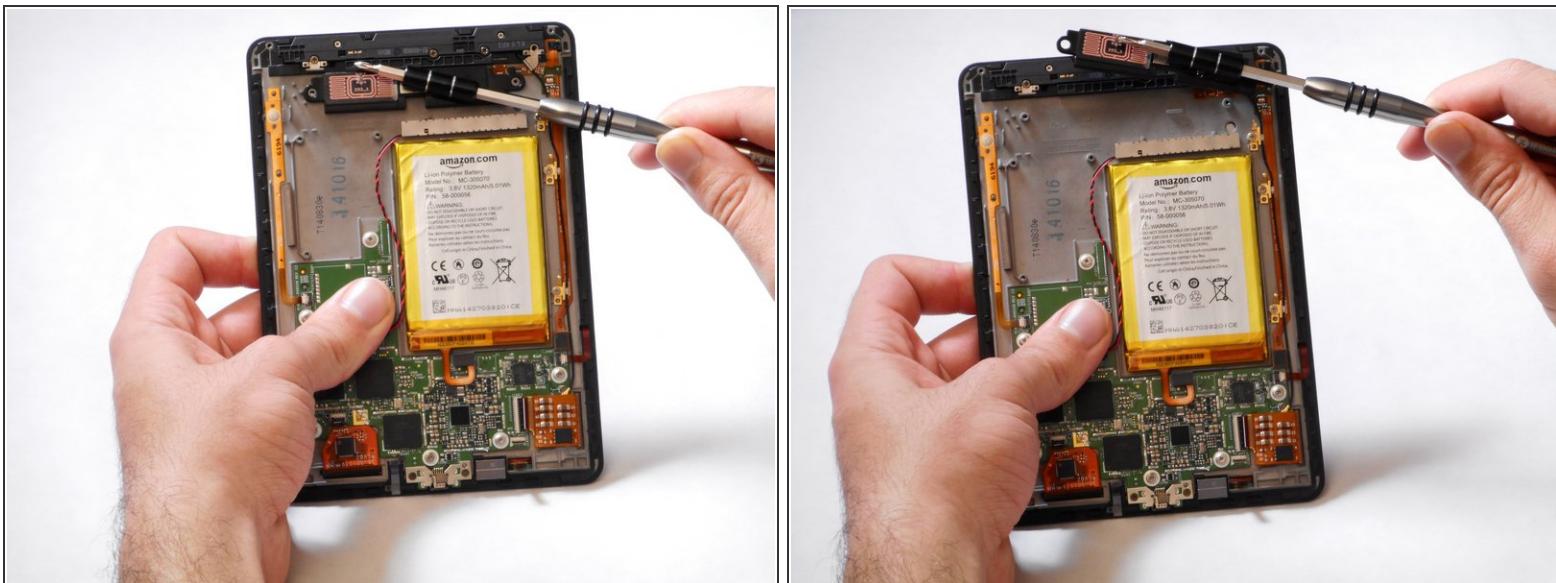
- Use an aluminum driver attached with a Phillips head size #00 to remove the four 3mm screws shown in the picture. For reassembly, note that the top two and bottom two screws are different sizes.

Step 3



- Once the screws are removed, the back panel can slide off the device.

Step 4



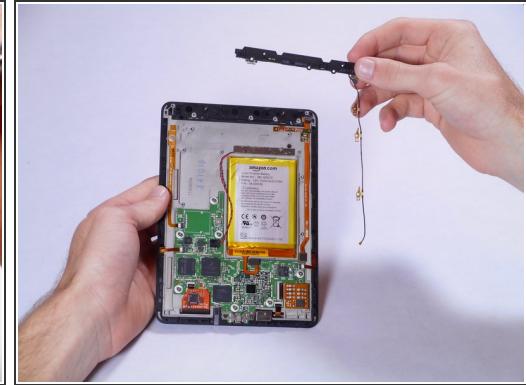
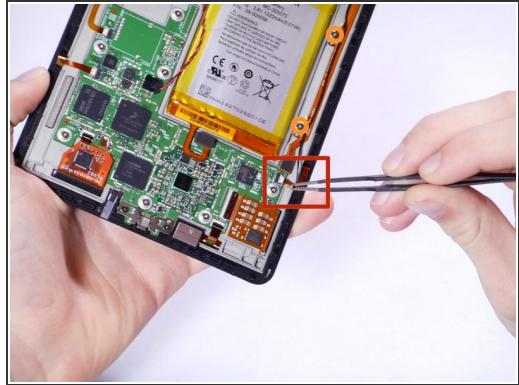
- Remove the magnetic component with the magnetic head of the aluminum driver.

Step 5 — Wifi Antenna



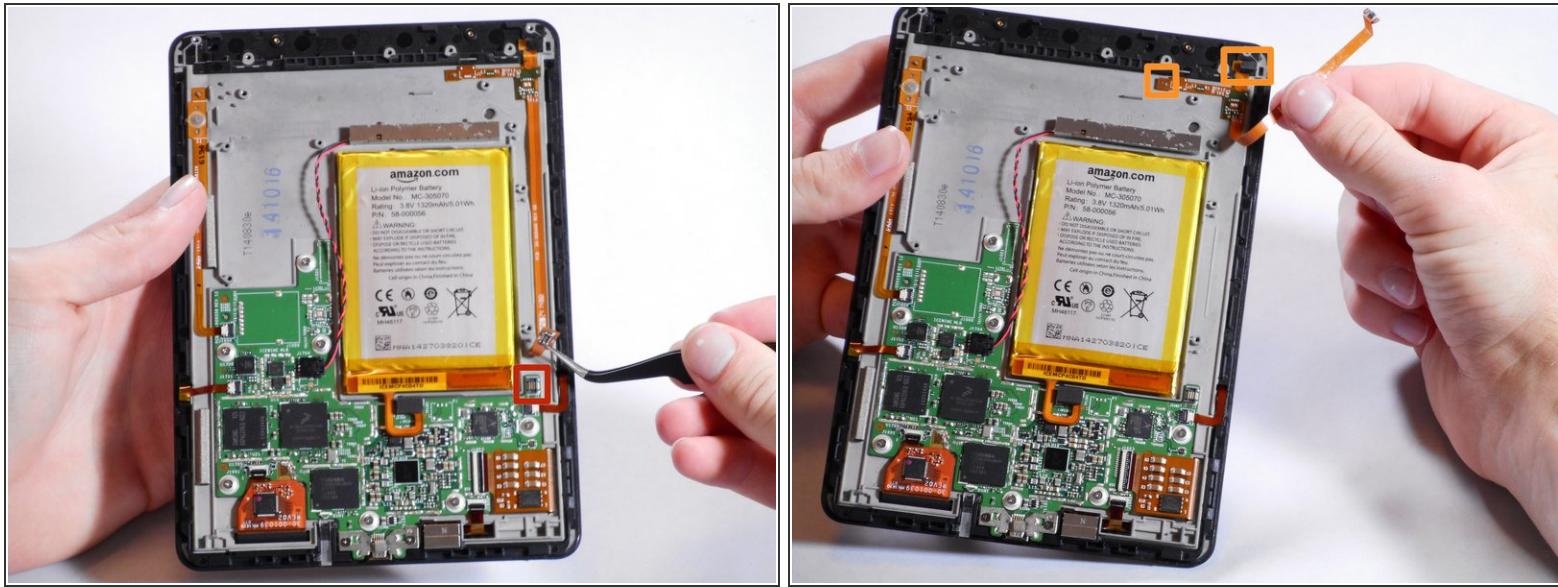
- Use an aluminum driver with Phillips head #00 to remove the four 3 mm screws shown in the picture.
- Use the same driver to remove the two 2.5 mm screws.

Step 6



- Using the tweezers, undo the attached clip.
- Remove the three 3 mm screws holding down the rest of the antenna with an aluminum driver and the Phillips #00 head.
- You should now be able to simply take the WiFi bar off of the device.

Step 7 — Ambient Light Sensor



- Gently remove the connector to the motherboard using tweezers.
- Continue to carefully pull the rest of the connector from the adhesive connecting it to the Voyage.
- Detach sensor from the top using fingers

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