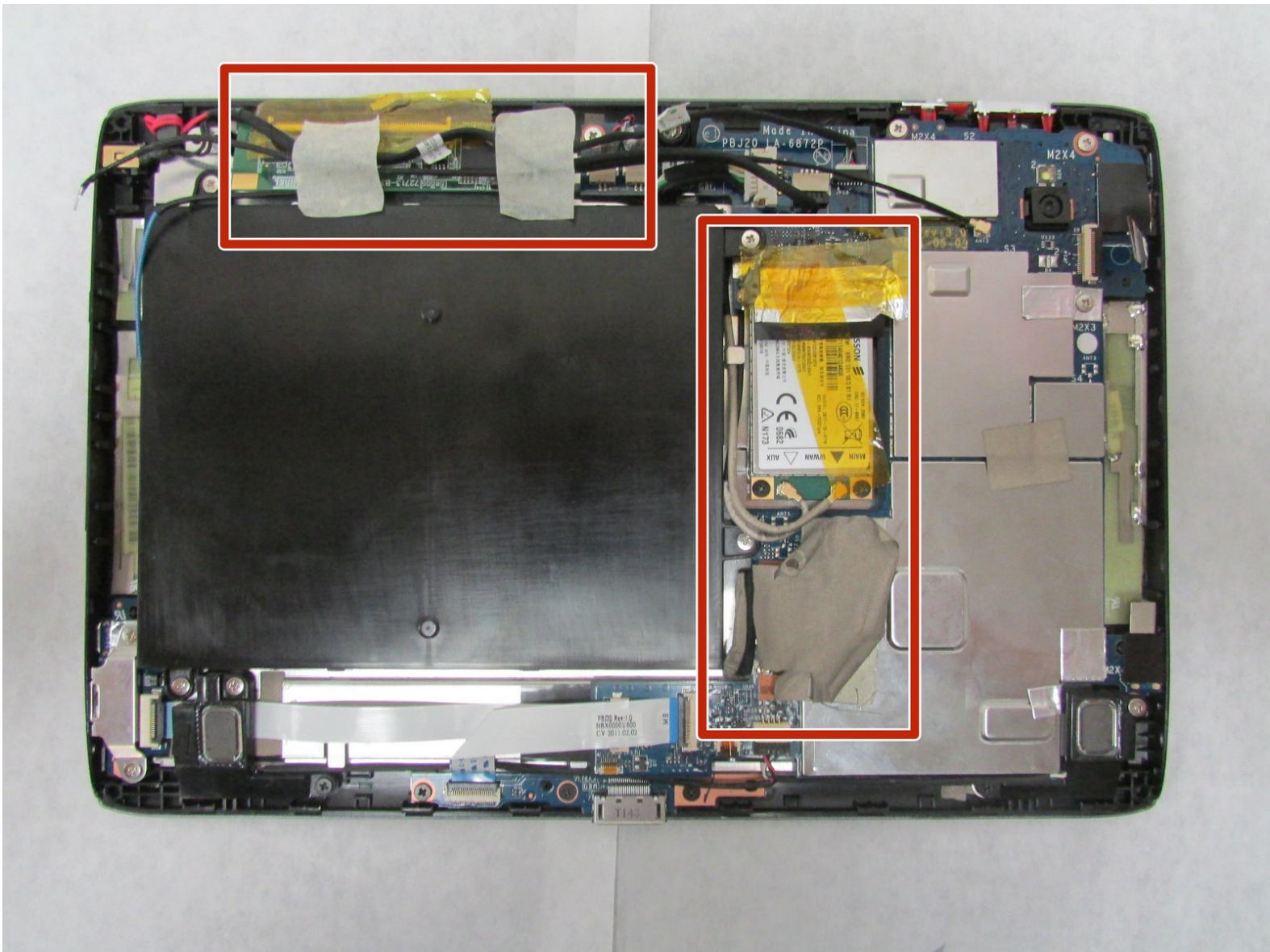# Acer Iconia Tab A501 Display Replacement

This guide will enable the user to replace the display on the device.

Written By: Daksh Malhotra

INTRODUCTION

A display shows you what is happening on your device. Without a working display, a device isn't much use. This guide will show you how to replace the display on your Acer Iconia Tab A501.

🔧 TOOLS:

- Spudger (1)
- ESD Safe Tweezers Blunt Nose (1)
- iFixit Opening Tools (1)
- Tweezers (1)
  Angled
- Halberd Spudger (1)
- Jimmy (1)
- Phillips #1 Screwdriver (1)

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Step 1 — Back Cover

⚠️ Turn off your device before opening it.

- Use a plastic opening tool to carefully separate the back cover, starting at the volume buttons.

- Continue separating the back cover along the short side closest to the camera and around the device.
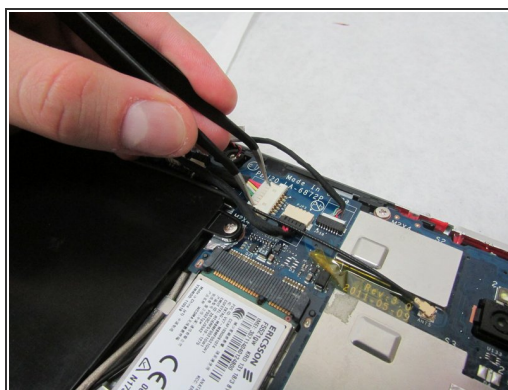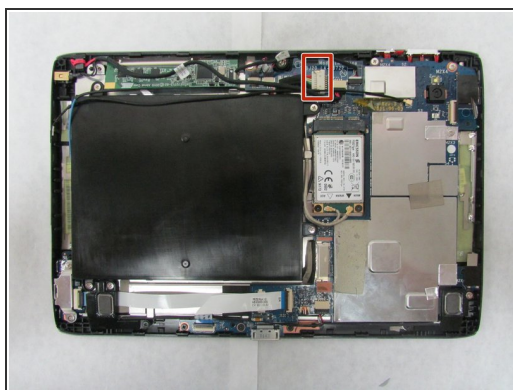
Step 2

- When separated enough, a little more than halfway around the device, the back cover will be easy to take off.

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Step 3 — Display
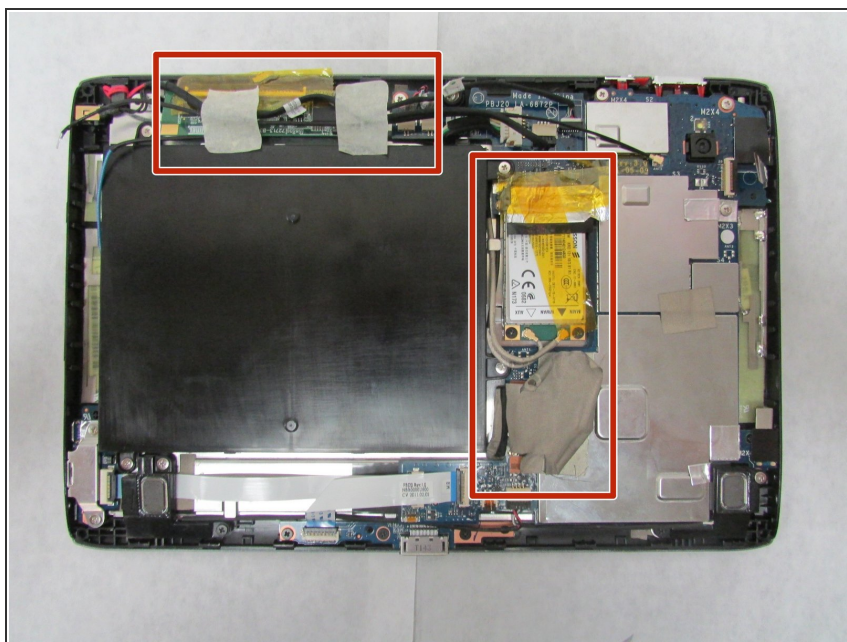
● Remove all tape from the device.

Step 4

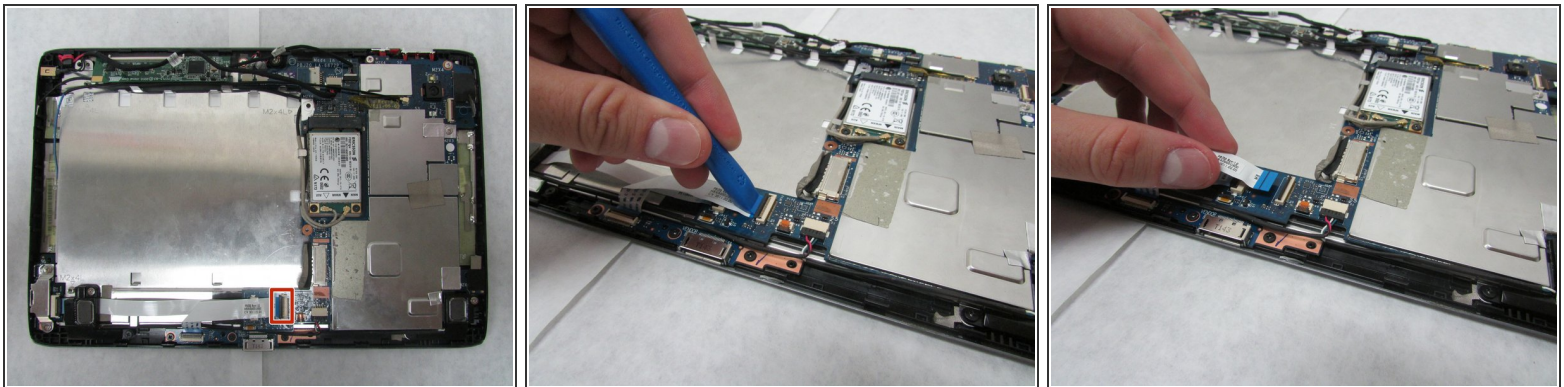⚠ In the next step, be careful not to squeeze too hard or scratch the motherboard.

● Use the angled tweezers to disconnect the motherboard-battery cable from the white connector in the middle of the side opposite the docking port.

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Step 5
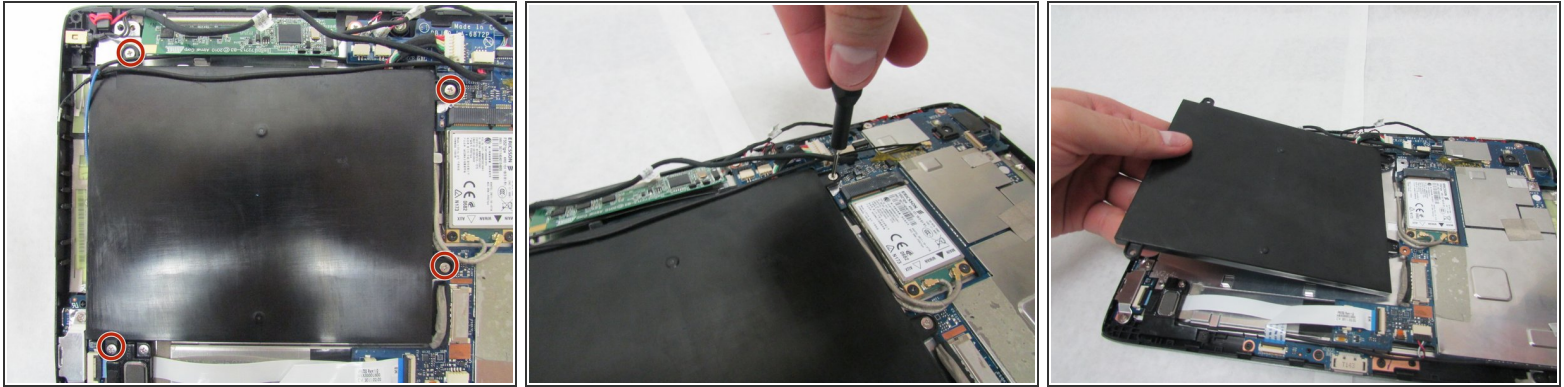
- Use a Phillips #1 screwdriver to remove the four 4.0 mm Philips head screws connecting the battery to the motherboard.
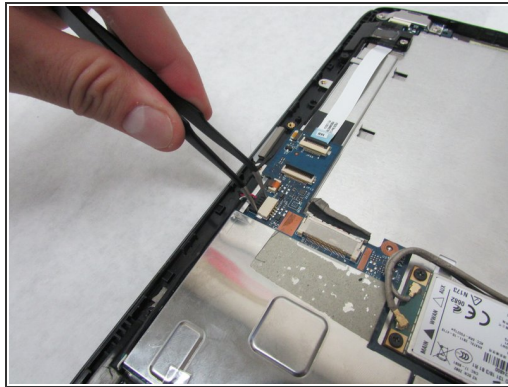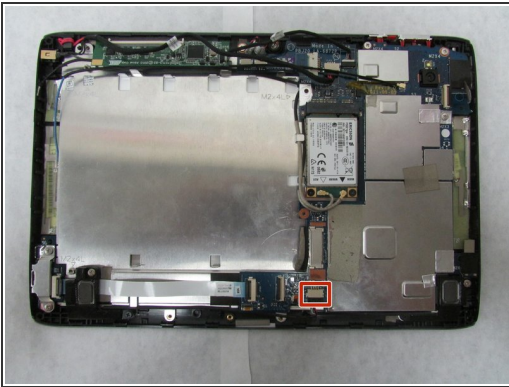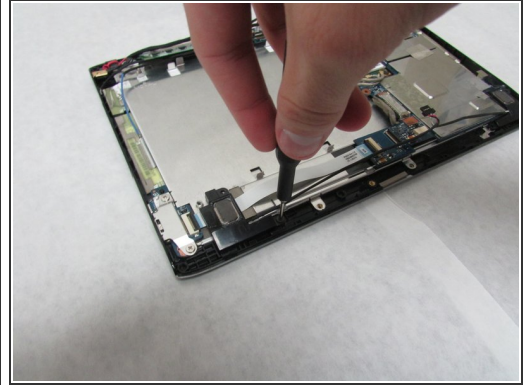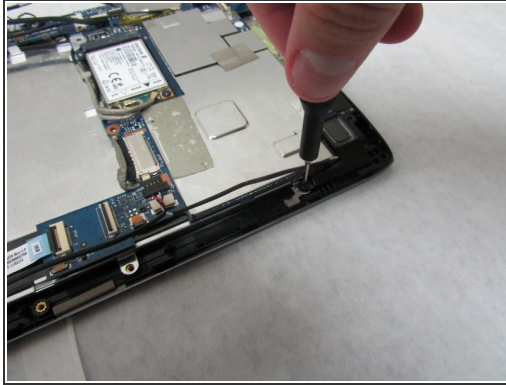
- Take out the battery.

Step 6

- Use the plastic opening tool to flip up the locking mechanism on the motherboard connected to the folded, white ribbon cable.

- Remove the folded, white cable.

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Step 7
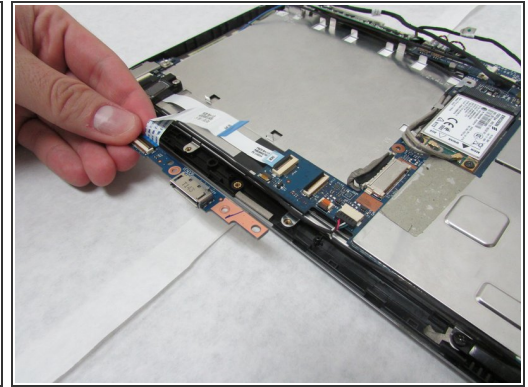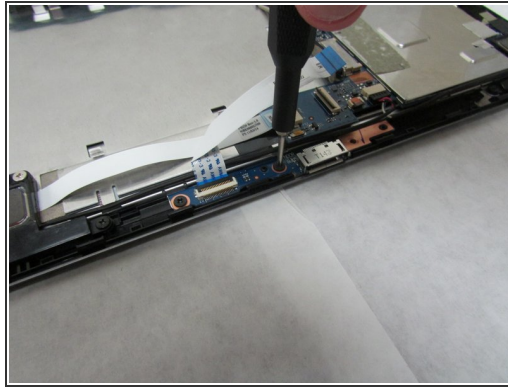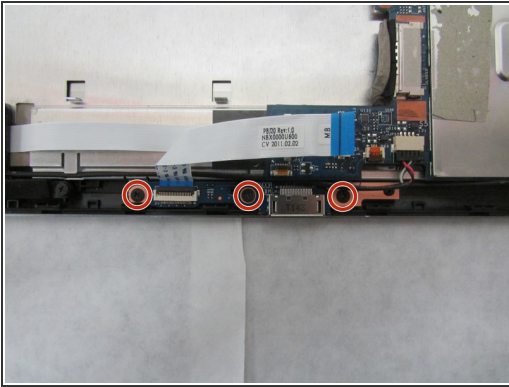
- Use a Phillips #1 screwdriver to unscrew the three 3.0 mm Philips head screws holding the docking port in place.
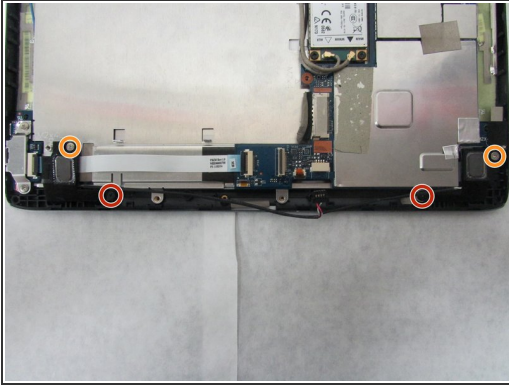
- Remove the docking port.

Step 8
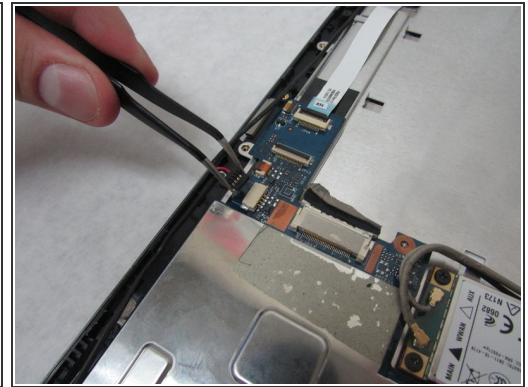
- ⚠ In this step, be careful not to squeeze too hard or scratch the motherboard.
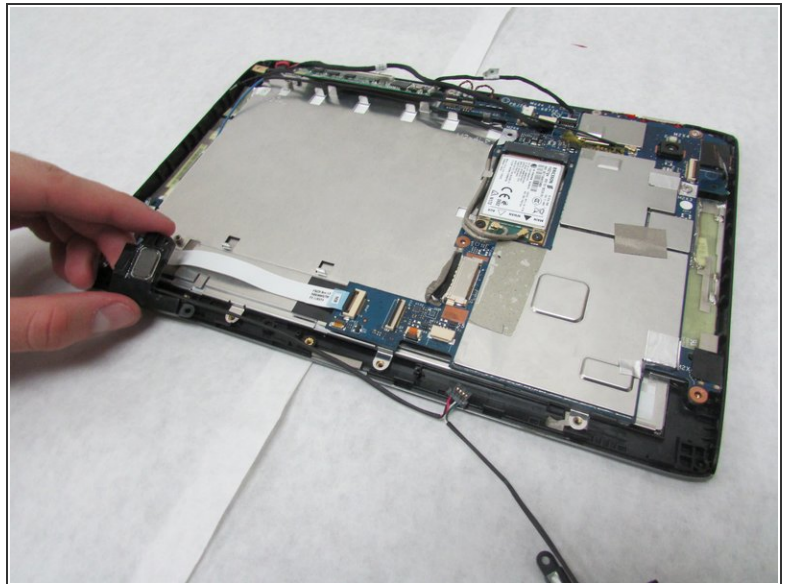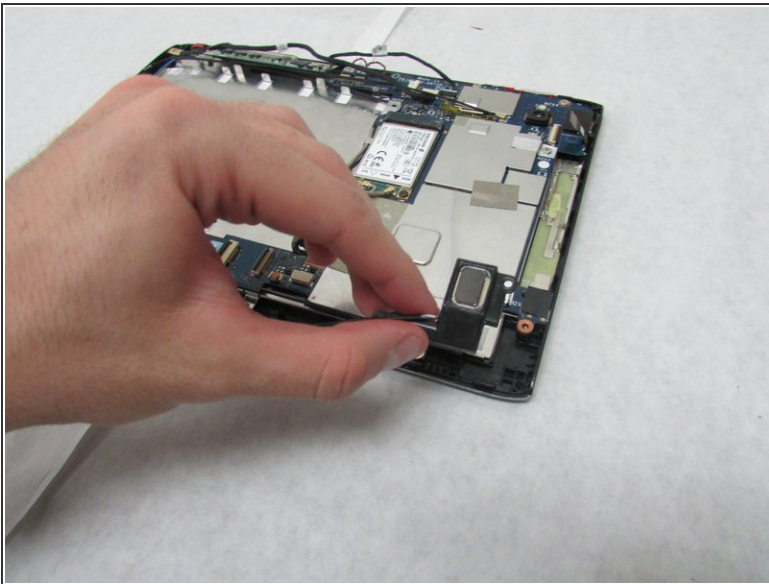
- Use the angled tweezers to disconnect the cable with red, white and green wires from the beige connector slightly in from the docking port.
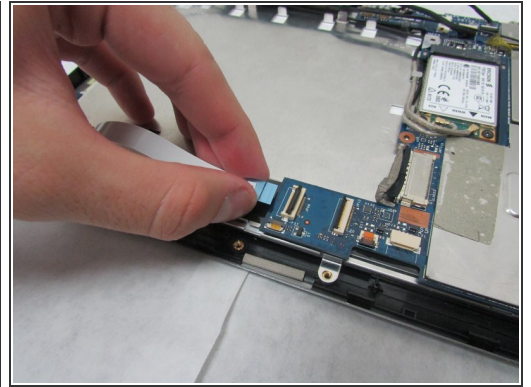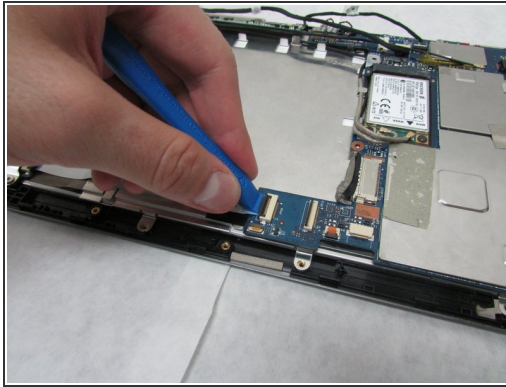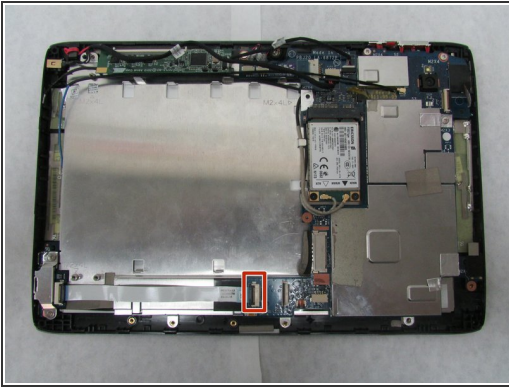
Step 9

- Unscrew the 3.0 mm Phillips head screw on each speaker using a Phillips #1 screwdriver.

- Unscrew the 4.0 mm Phillips head screw on each speaker using a Phillips #1 screwdriver.
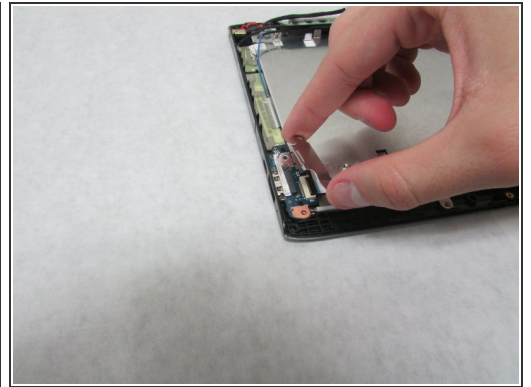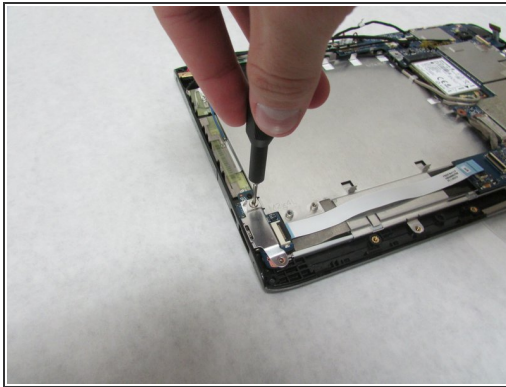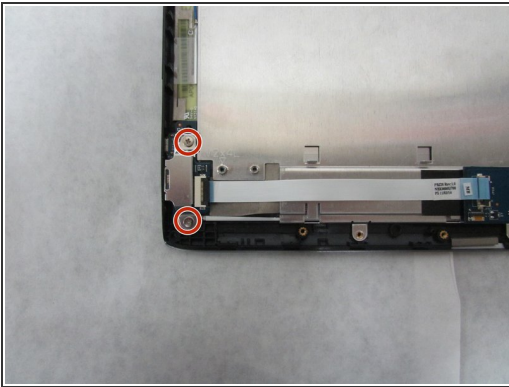
Step 10

- Remove the speakers.

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Step 11

- Use the plastic opening tool to flip up the locking mechanism on the motherboard connected to the straight, white ribbon cable.

- Remove the straight, white ribbon cable.

Step 12

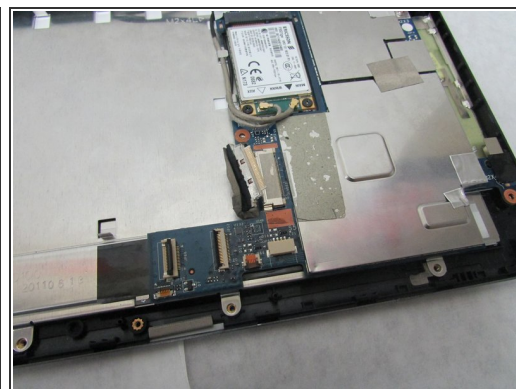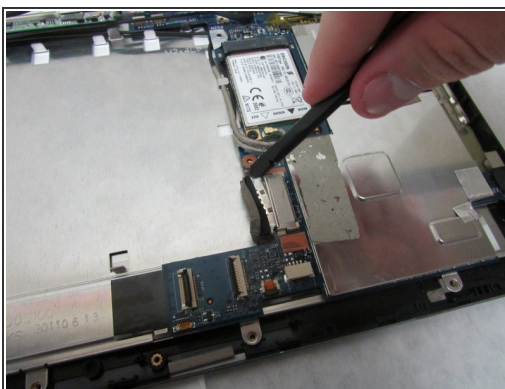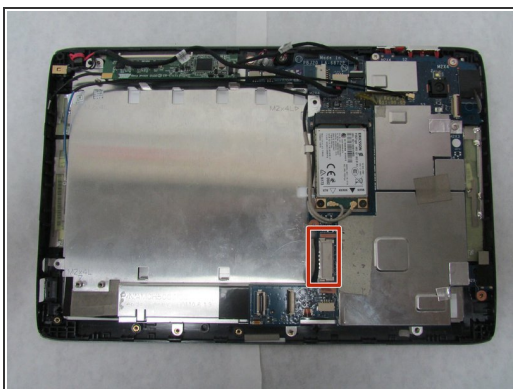- Use a Phillips #1 screwdriver to remove the two 4.0 mm Philips screws attaching the metal plate, USB board, and device.

- Remove the metal plate.
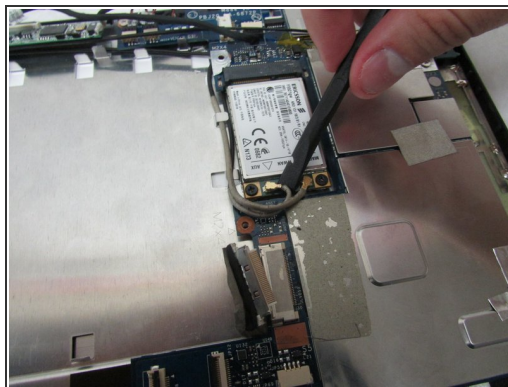
Step 13
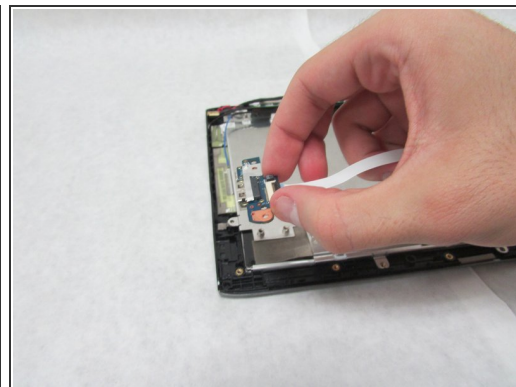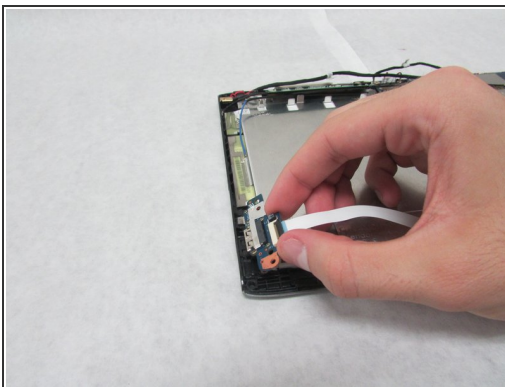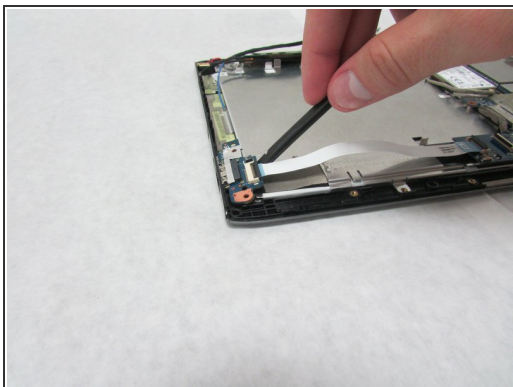
- Use the Halberd Spudger to carefully pop up and take out the ports.
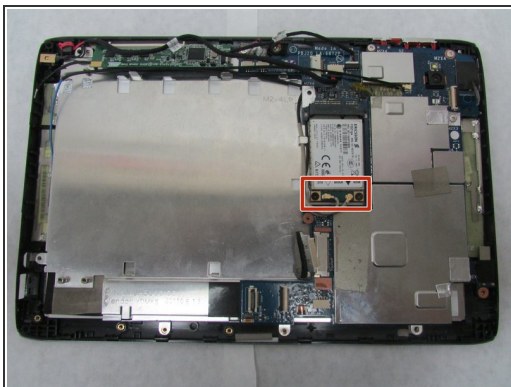
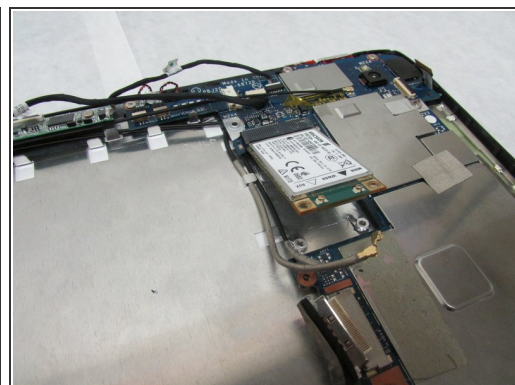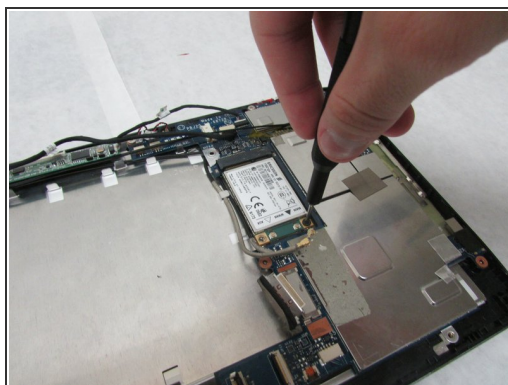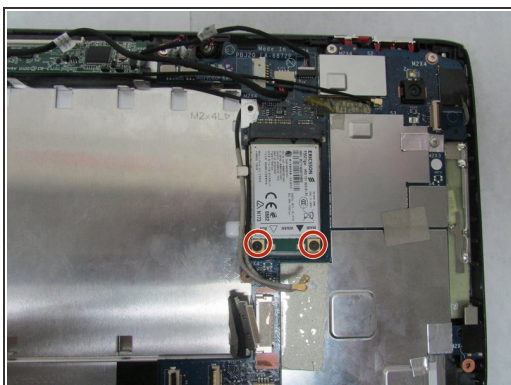## Step 14

⚠ Use care in the next step.

- Use the wide, flat end of the standard Spudger to disconnect the display connector from the large, metal port next to the battery space.
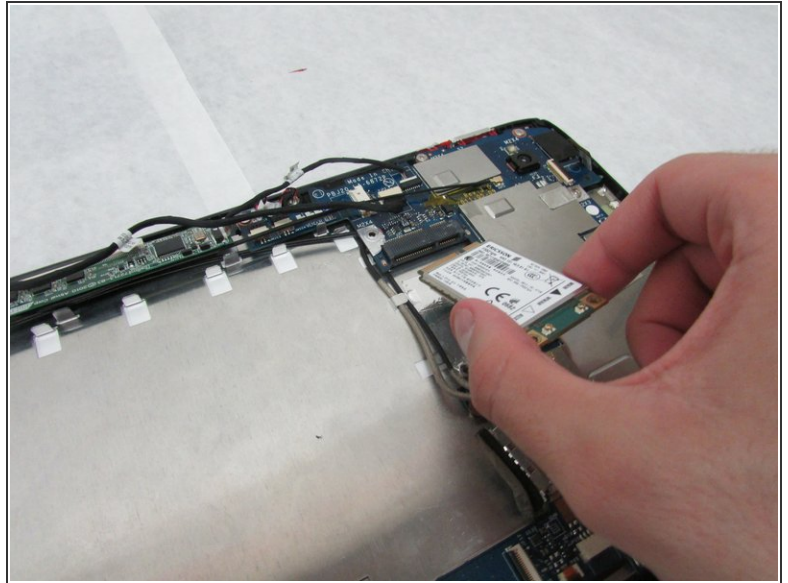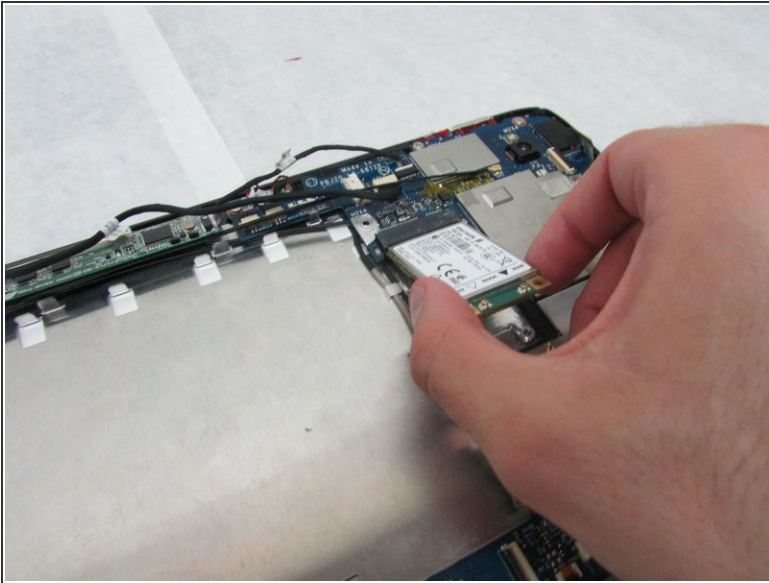
Step 15

- Use the flat end of the standard Spudger to disconnect the two small, rotatable connectors attached to the wireless adapter.

Step 16
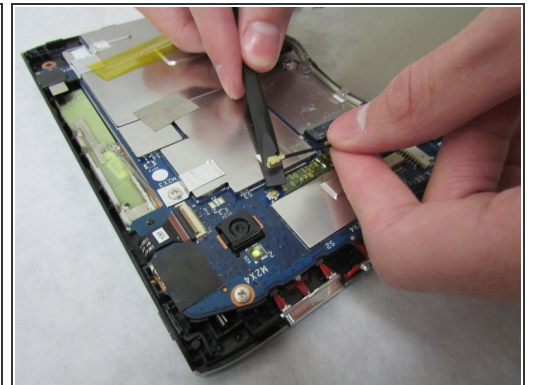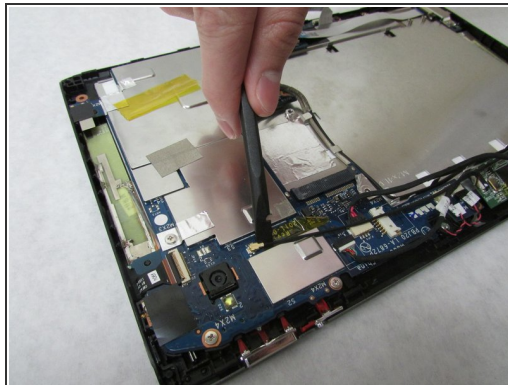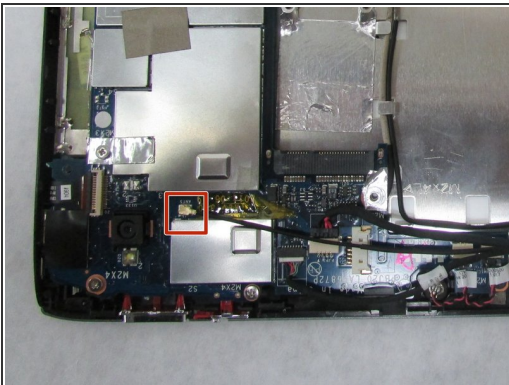

- Use a Phillips #1 screwdriver to remove the two 3.0 mm Philips head screws holding the adapter down.
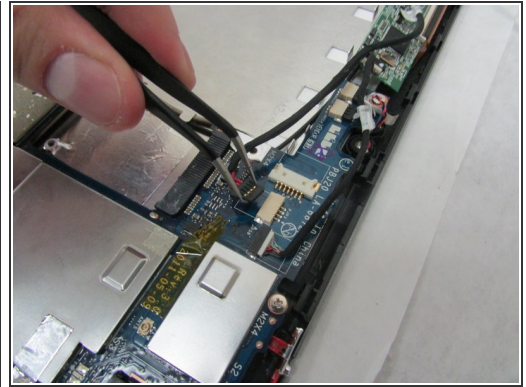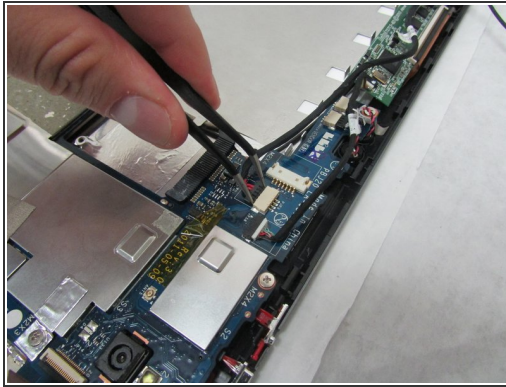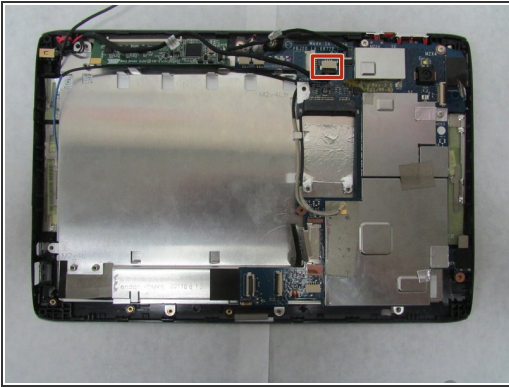
Step 17

- Carefully slide the adapter out to remove it.

Step 18

- Use the wide end of the standard Spudger to take off the rotatable connector to the 3g antenna below the rear-facing camera.
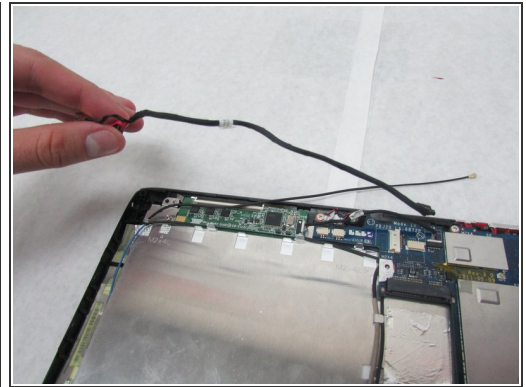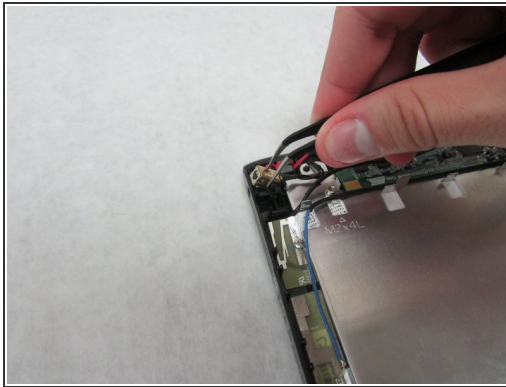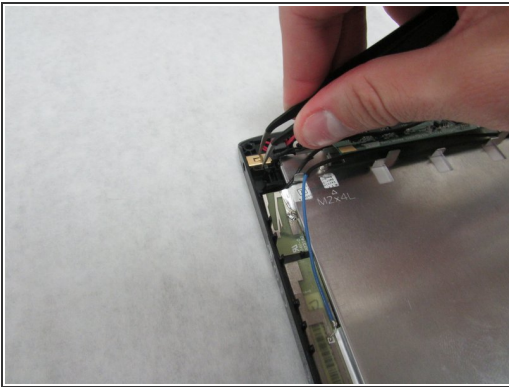
Step 19

⚠️ In the next step, be careful not to squeeze too hard or scratch the motherboard.

● Use the angled tweezers to disconnect the cable with red wires from the beige connector opposite the docking port.
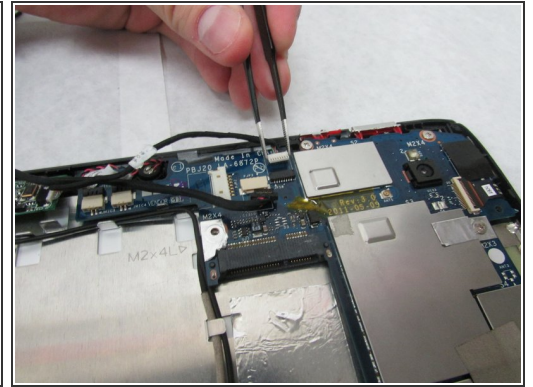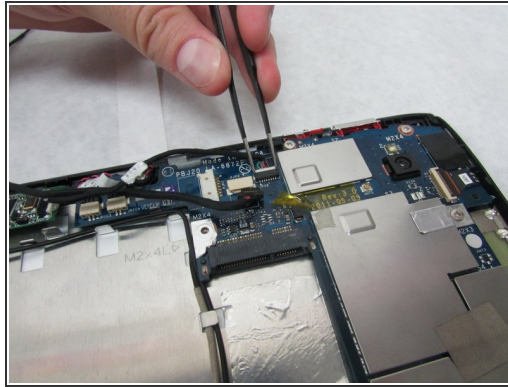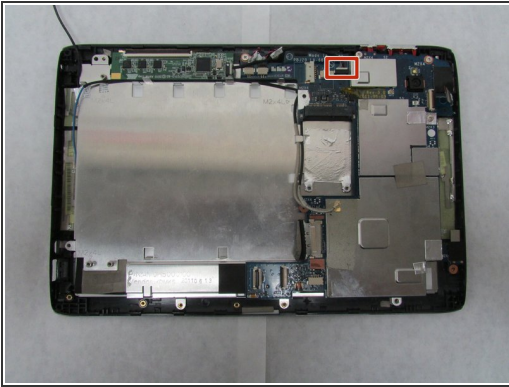
Step 20

ⓘ The charging port may be taped from underneath and need a bit of force to take out.
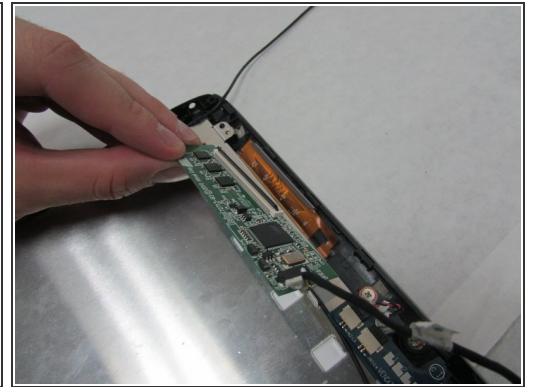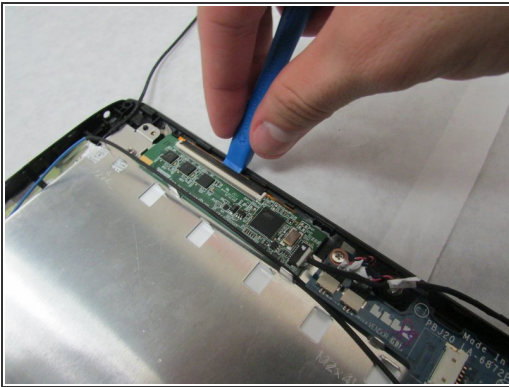
● Use the angled tweezers to remove the charging port.

Step 21

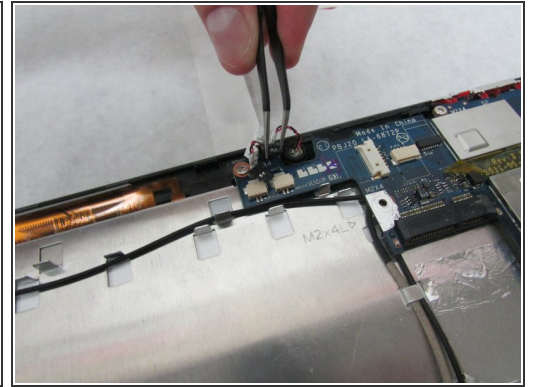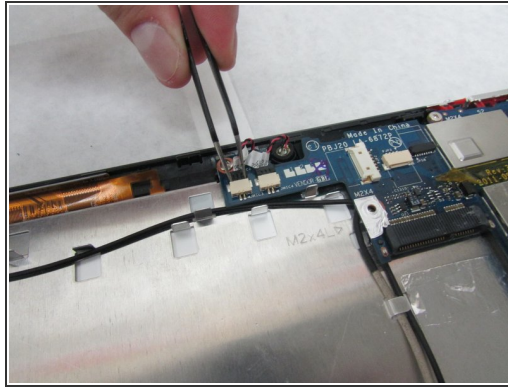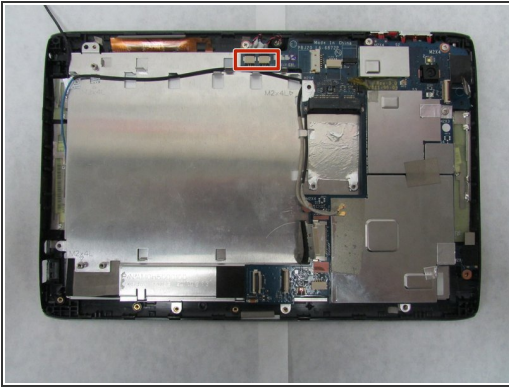⚠ In this step, be careful not to squeeze too hard or scratch the motherboard.

● Use the tweezers to remove the white touchscreen connector with multi-colored wires from the black port just below the power buttons on the motherboard.

Step 22

● Use the plastic opening tool to flip up the locking mechanism for the wide, white port for the thin, orange-brown touchscreen cable just above the charging port.

● Remove the touchscreen board.

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Step 23

⚠ In this step, be careful not to squeeze too hard or scratch the motherboard.

● Use the angled tweezers to disconnect two microphone connectors, which are above the orange-brown touchscreen connector and next to the battery space.
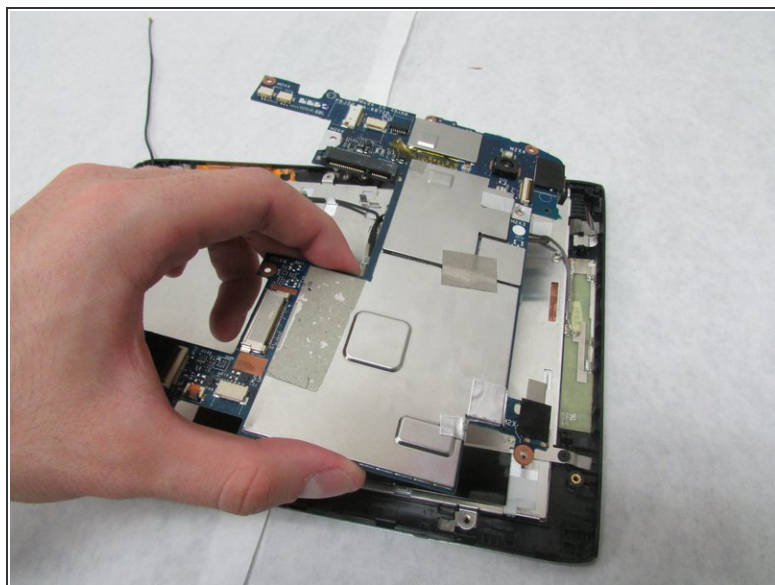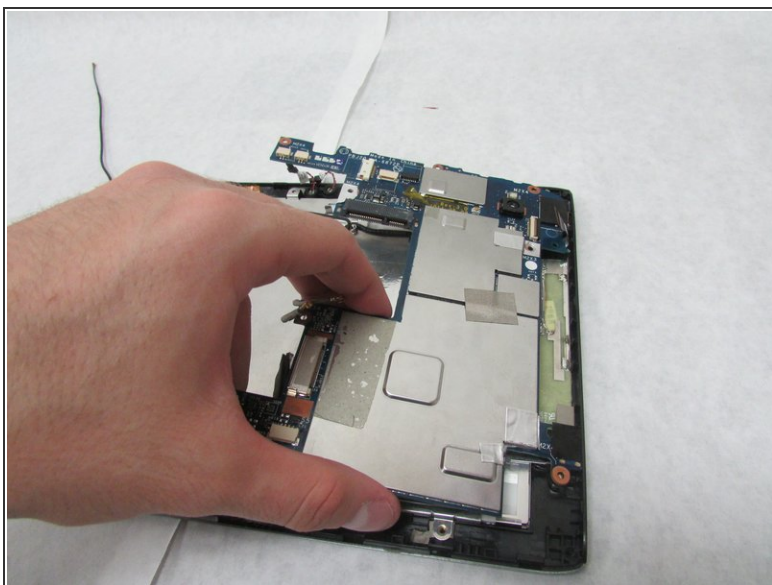
Step 24
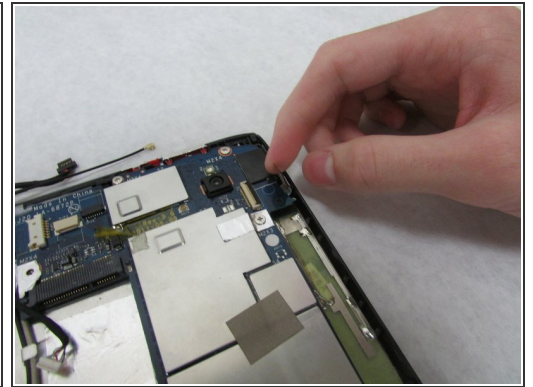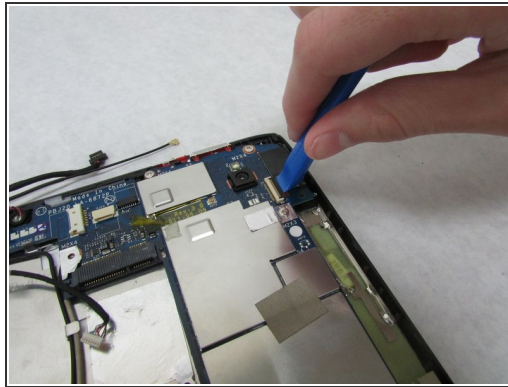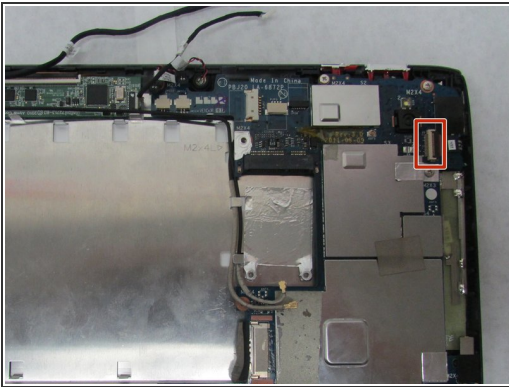
● Use the plastic opening tool to flip up the locking mechanism to the white front camera port just above the rear-facing camera.

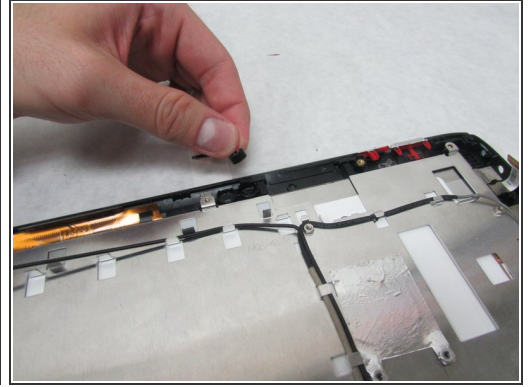● Disconnect the camera cable from the motherboard.
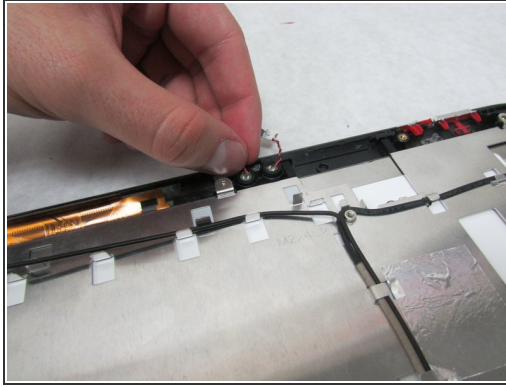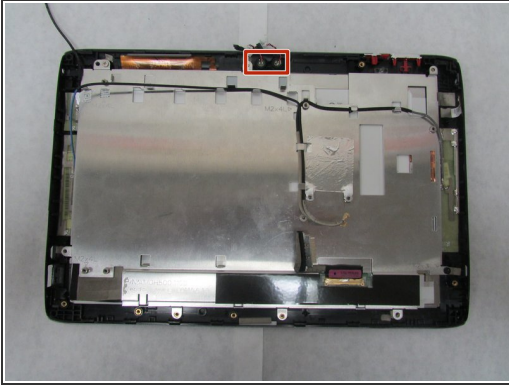
Step 25
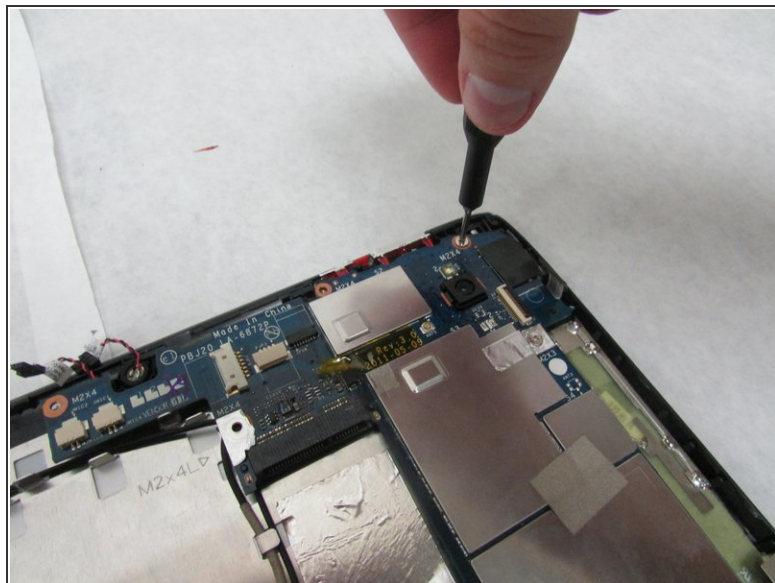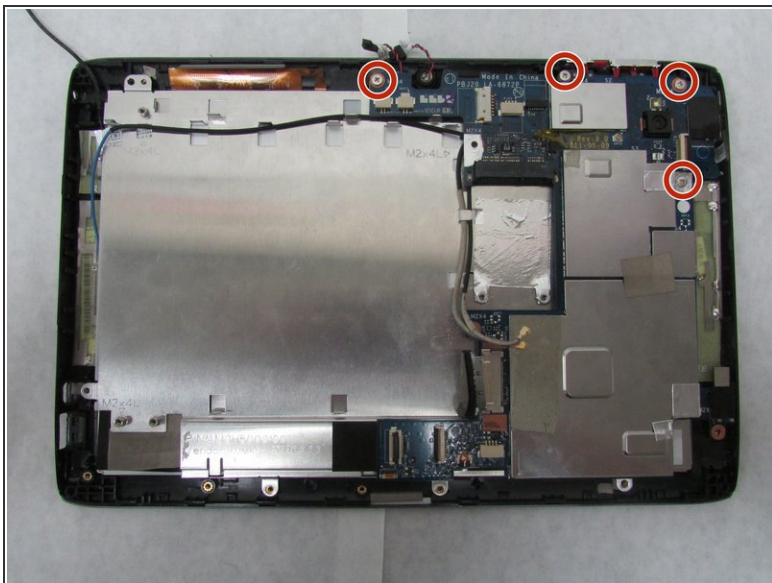
- Use a Phillips #1 screwdriver to unscrew the four 4.0 mm Phillips head screws holding the motherboard in place.

Step 26

- Remove the motherboard.
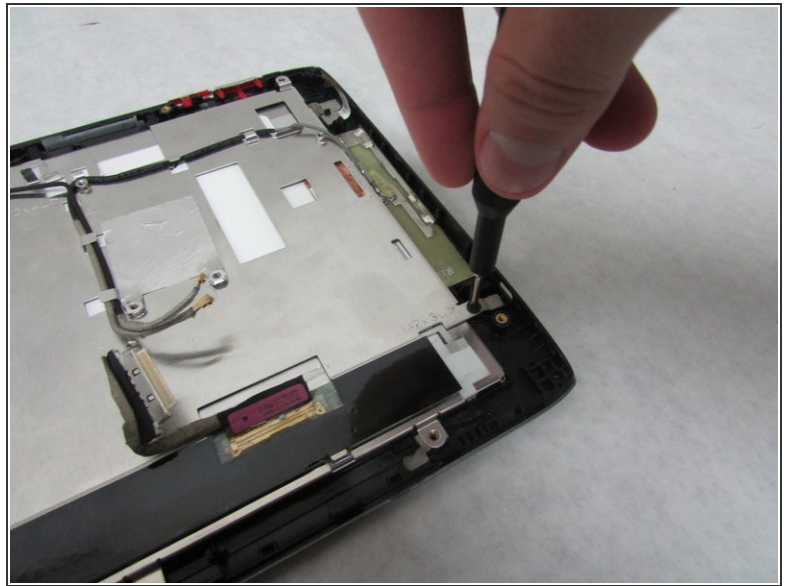
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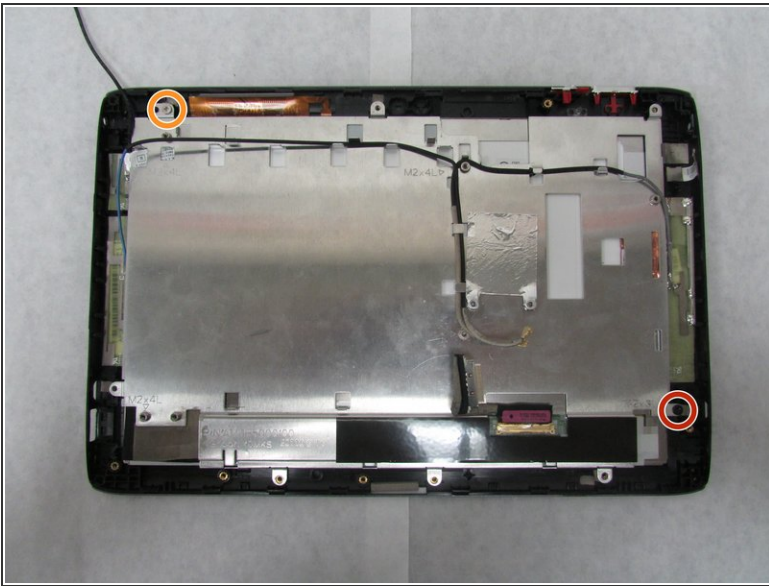## Step 27

- Remove the two microphones in the middle of the side opposite the docking port.

Step 28

- Use the Phillips #1 screwdriver to unscrew the 3.0 mm Phillips head screw holding the thin metal plate to the device near the Micro-HDMI port.

- Use the Phillips #1 screwdriver to unscrew the 4.0 mm Phillips head screw near the orange-brown touchscreen cable.

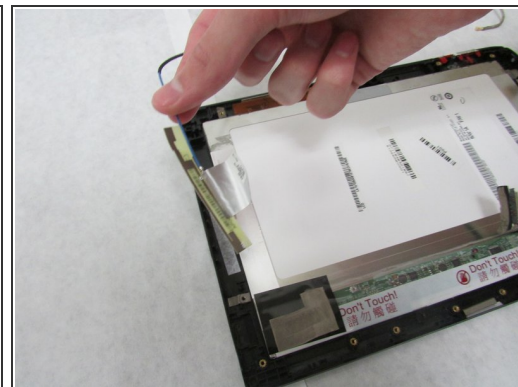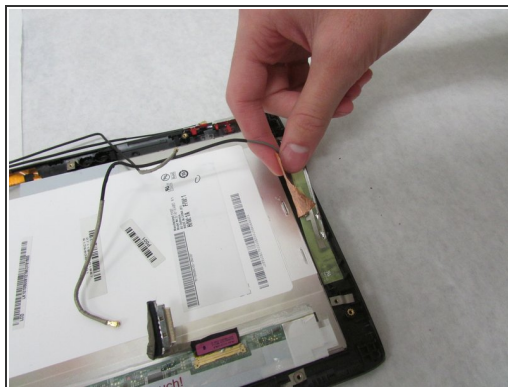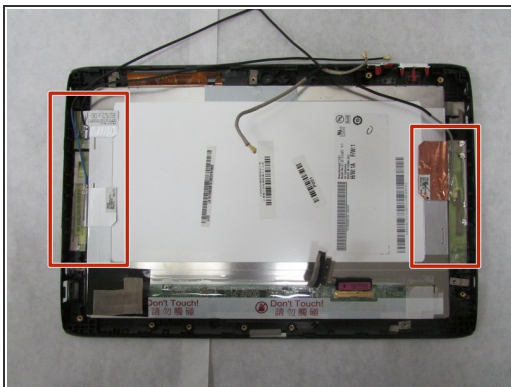This document was generated on 2020-01-08 07:31:56 PM (MST).

Step 29
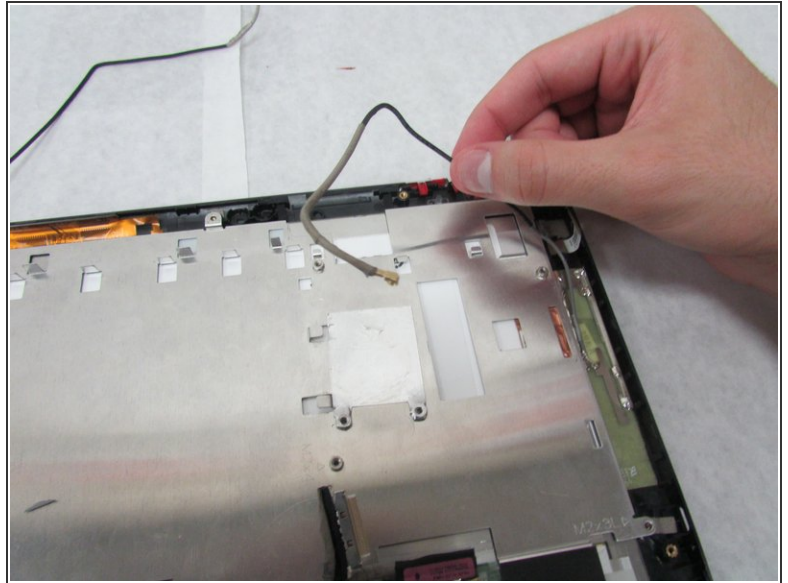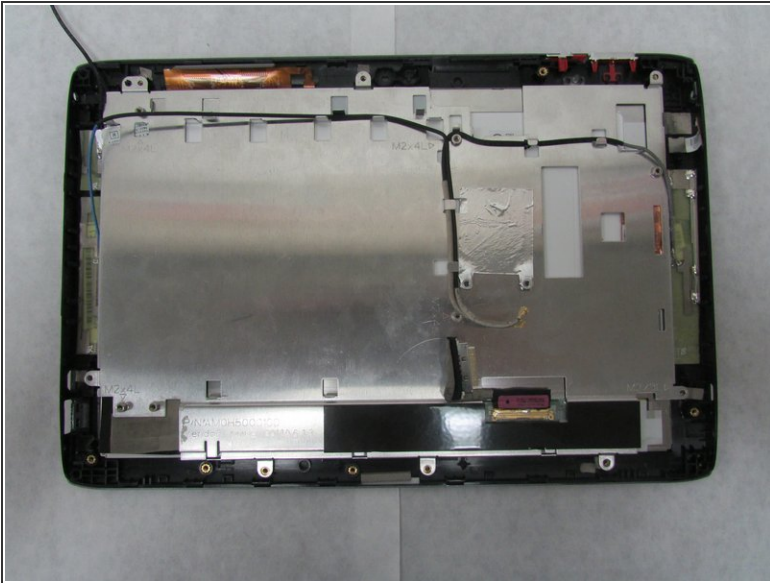
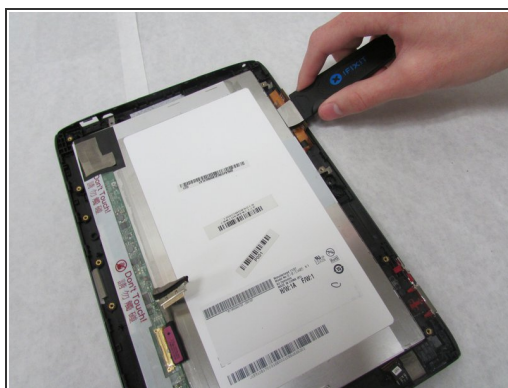- Move all wires off of the thin, metal plate.

Step 30

- Remove the metal plate.

Step 31

ⓘ The antennae in the next step are attached with adhesive.

● Remove the three antennae along the shorter sides of the device.

Step 32

● Carefully insert the Jimmy between the display and the glass to break the glue seal.

● Move the Jimmy all the way around the device.

Step 33

- Continue moving the Jimmy around the device until the glue no longer holds the display in place.

- Remove the display.

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