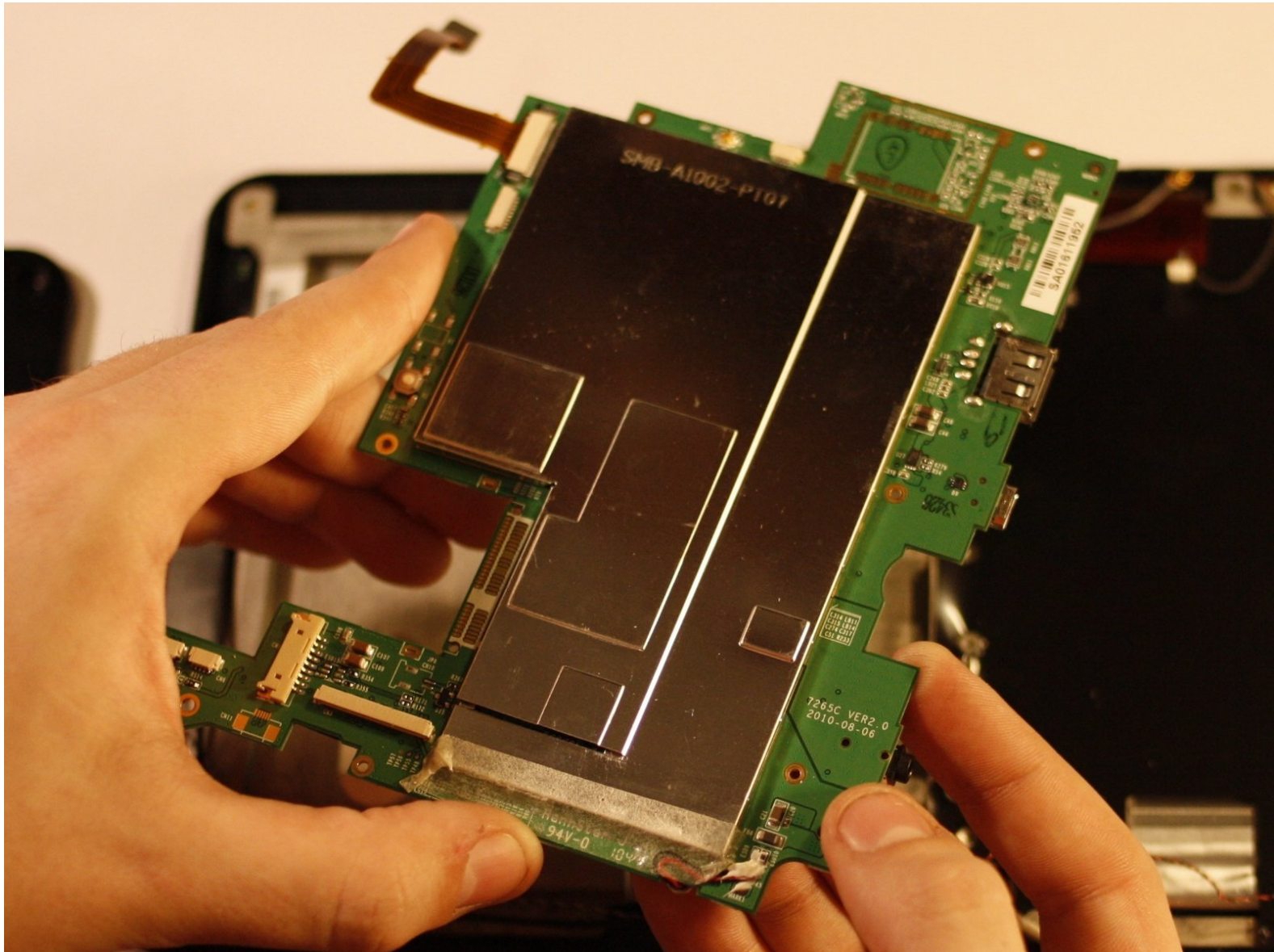




Viewsonic gTablet UPC300-2.2 Motherboard Replacement

Replace motherboard to resolve major software/driver issues or damage.

Written By: Cristian





TOOLS:

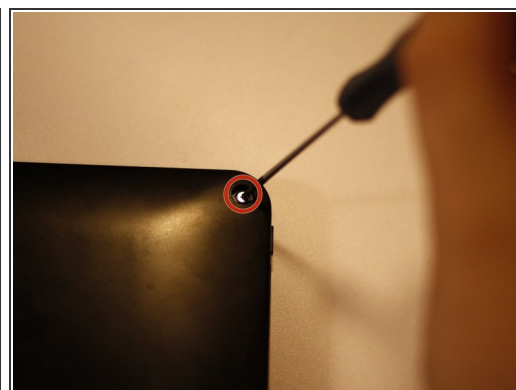
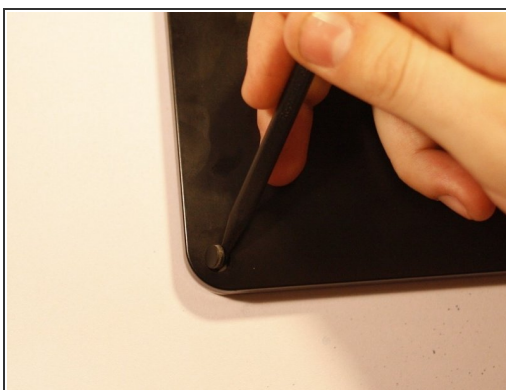
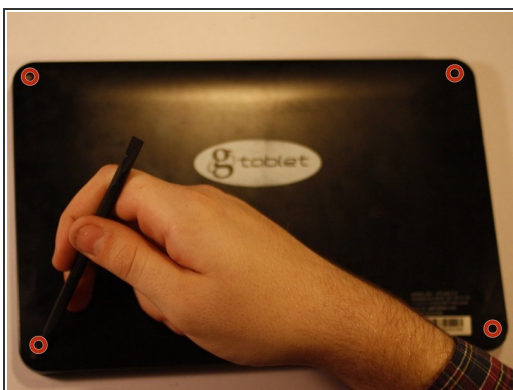
- [Phillips #0 Screwdriver](#) (1)
- [Spudger](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Tweezers](#) (1)



PARTS:

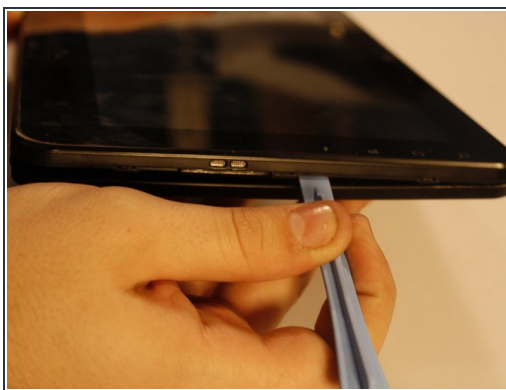
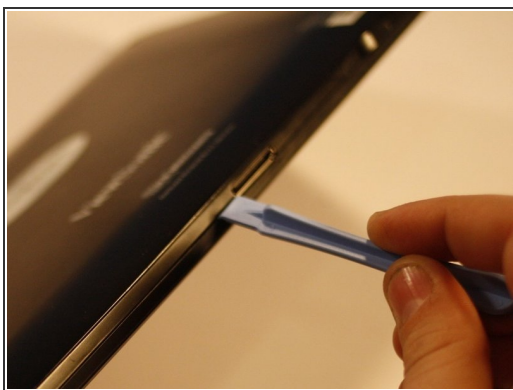
- [Replacement gTablet Motherboard](#) (1)

Step 1 — Back Cover Screws



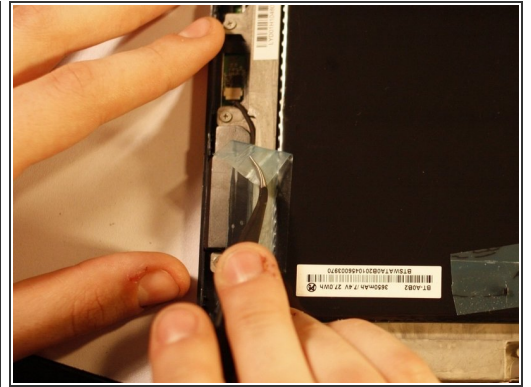
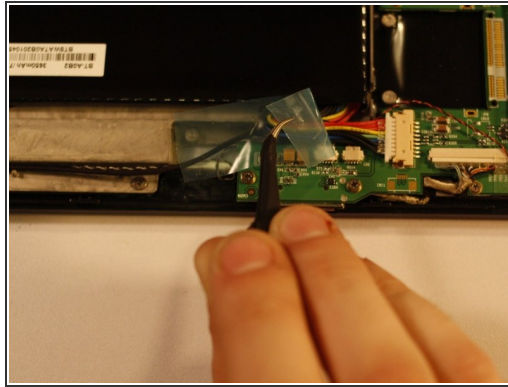
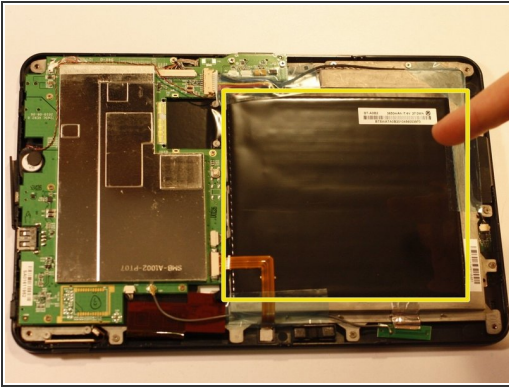
- Using your spudger or metal tweezers, work the rubber screw covers out of their sockets, found on each of the four corners of the back cover.
- ⓘ Have patience! These are held in with glue and can take time and a few attempts to remove.
- Using a PH00 screwdriver, remove the 5.8mm screws found beneath each rubber cover (4 total).

Step 2 — Pry Off Back Cover



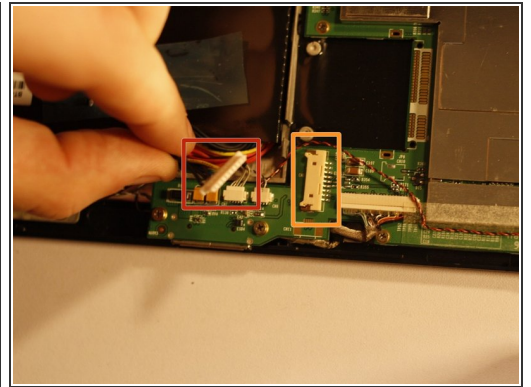
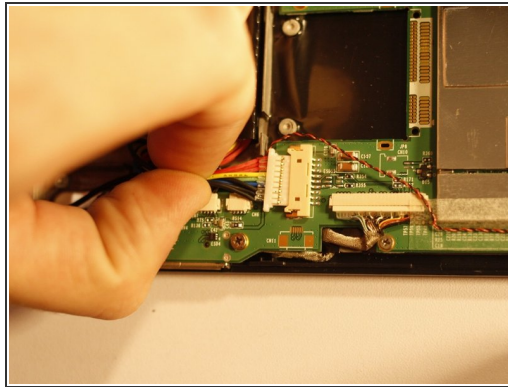
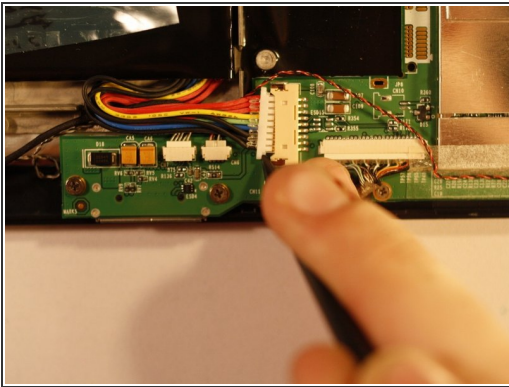
- Using the flat end of your prying tool, work the back cover away from the rest of the gTablet.
- Starting near the charging port, work in one direction around the perimeter of the device.
- ⚠ Do not insert prying tool deeper than is necessary to separate back cover. You may damage other components!
- Lift off back cover to reveal the interior of the device.

Step 3 — Identify Battery & Prepare for Removal



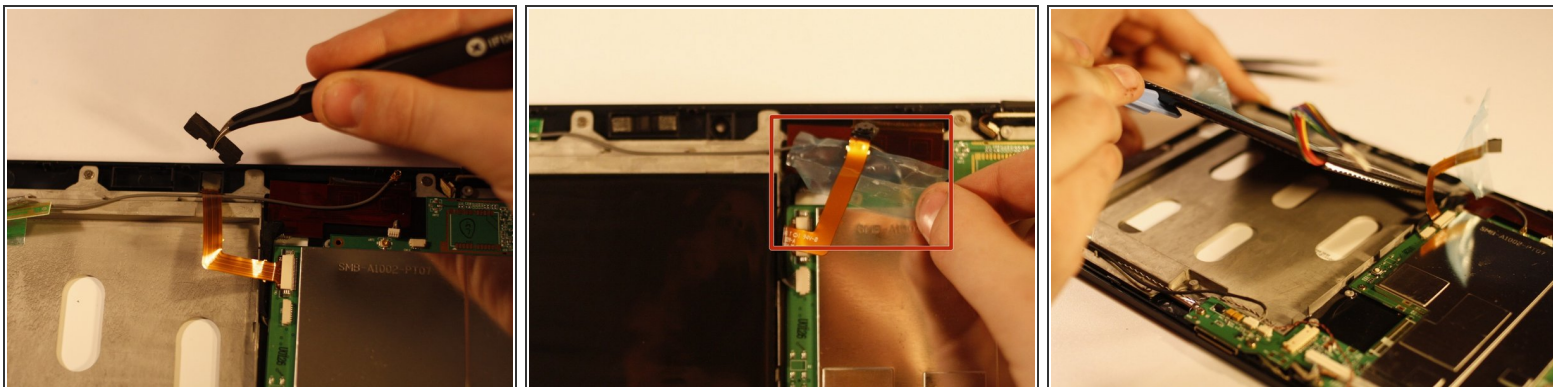
- The battery is the large black square that dominates much of the device interior.
- There is tape holding several wires in place. This must be removed before the battery can be removed. Peel it gently; you will want to use it later.

Step 4 — Disconnect Battery Power Cable



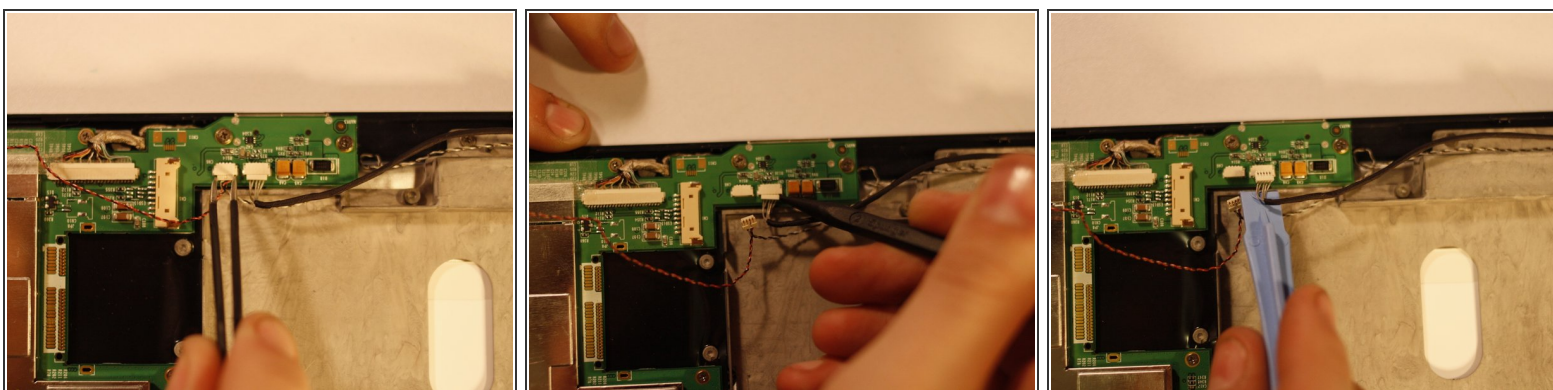
- Using a PLASTIC tool of your choice, push both ends of the power cable connector, one at a time, away from its housing. This will slowly wiggle the connector out of place.
- ⓘ The white connector (red markup) comes off while the off white connector (orange markup) stays on the motherboard.

Step 5 — Move Front-Facing Camera & Remove Battery



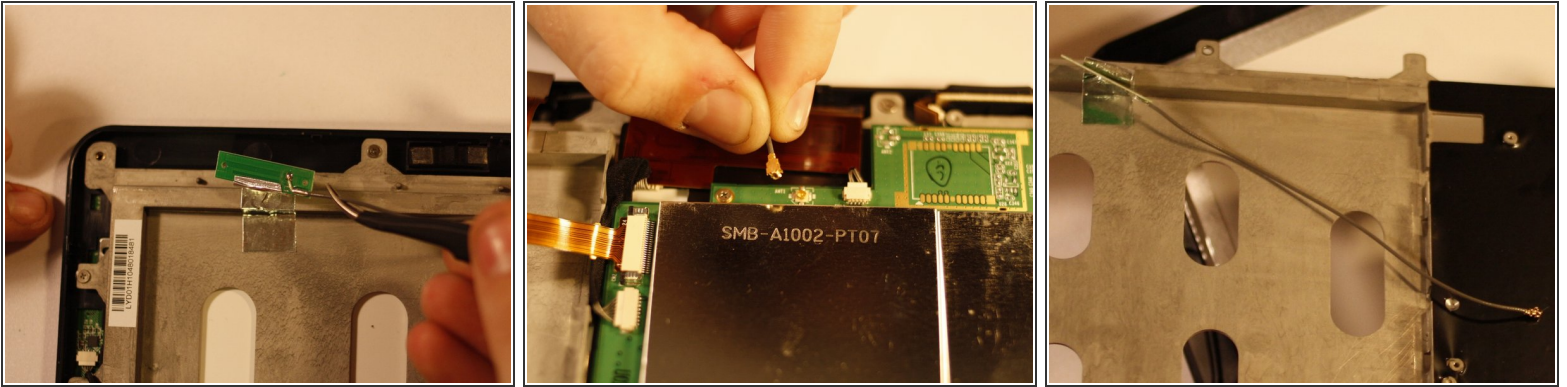
- Using tweezers, remove the protective foam backing arch from the front-facing camera.
- Pull the camera out of its housing and move it aside.
- ⓘ Be sure to move any wires out of the way before attempting to move the battery, as these are still connected and shouldn't be stressed!
- Gently lift the battery up and away from the rest of the device and set it aside.

Step 6 — Disconnect the Speaker Assembly



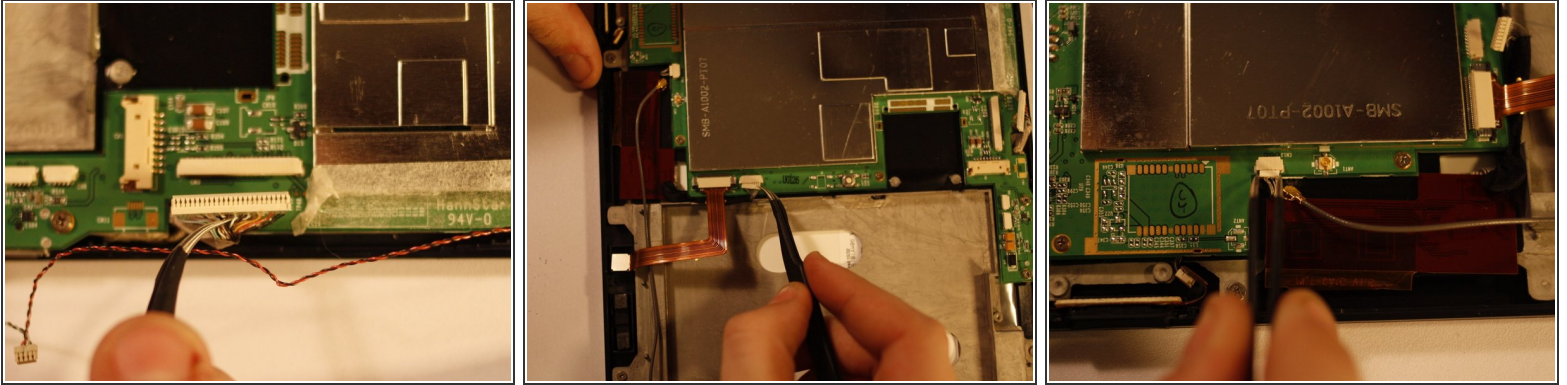
- Using tweezers or the spudger-wiggle technique, disconnect the two wires (shown here to the right of the battery power cable housing) from their housings.
- ⚠ It is very easy to damage the wires going to and from these connectors! Going slow and using as little force as possible will help to prevent this.

Step 7 — Disconnect the Antenna



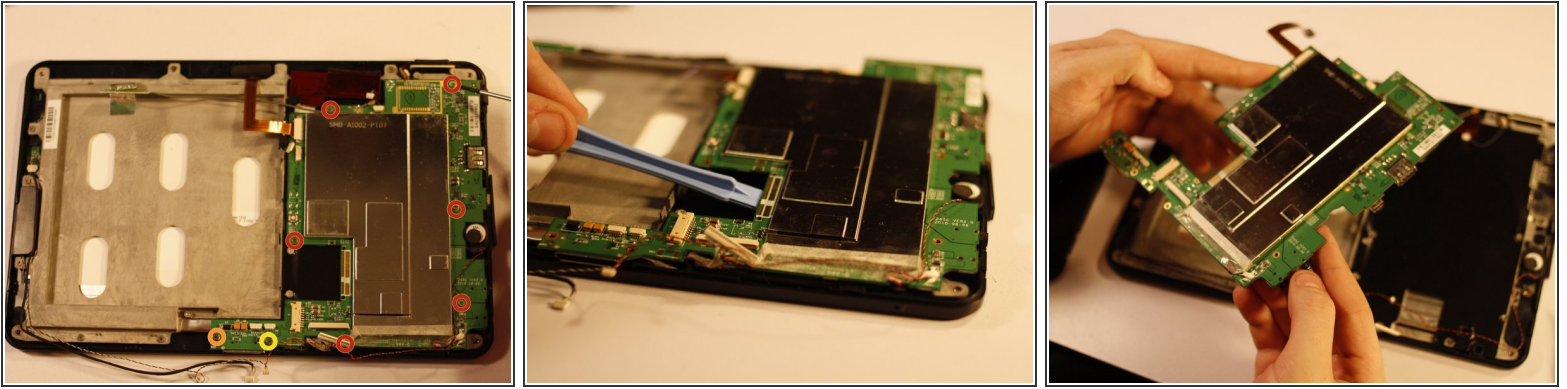
- Find the antenna receiver affixed to the LCD Screen chassis with foil tape. Gently peel back the foil tape and remove the antenna.
- Now follow the wire attached to the antenna back to where it connects to the motherboard. Gently rotate and lift the connection until it lifts away.
- You may now install a replacement antenna by reversing these steps.

Step 8 — Disconnect LCD Video Cable & Final Connections



- Disconnect the LCD Video cable, shown to the right of the battery power housing. Gentle application of pliers is acceptable for this extra large connector.
- Two additional connections must be undone before moving on. One can be found to the right of the front facing camera housing on the motherboard. It is small; treat it gently.
- An identical connection can be found next to the antenna connection of the motherboard, diagonally across from the one you just disconnected.
- Now all necessary wire connections have been undone and the motherboard can safely be removed.

Step 9



- The motherboard is mounted to the chassis by 8 screws, which must be removed.
- ⓘ Two of the screws are different from the others. The majority of them are 3.3mm. The outliers are 5.9mm(orange) & 5.7mm (yellow). It is recommended that you make a "Motherboard Pile"; a designated area for the screws needed to hold the motherboard in place.
- Gently lift the motherboard away from the remainder of the device. Set aside in an anti-static bag if you have one. If not, avoid placing it on surfaces prone to static shocks (fabric or metal for instance).

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