

# CELLPHONESANDBOX

## Manual 05 - Front Glass

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## Step 1 — Removal 1 - Battery Cover



- In the next few steps, you'll be opening the Kindle by freeing the clips marked in Picture 2.

## Step 2



- Picture 1: Insert the blue pry tool directly under the charging port.
- Picture 2: Slide the blue pry tool slightly left, under the headset jack.
- Picture 3: Pry the battery cover open just enough to insert a guitar pick left of the headset jack.

### Step 3



- Picture 1: Slide the blue pry tool right, under the power button.
- Picture 2: Pry the battery cover open just enough to insert a guitar pick right of the power button.

### Step 4



- Pry from the bottom of the Kindle to the top to release the battery cover clips.
- Pry up the other side.

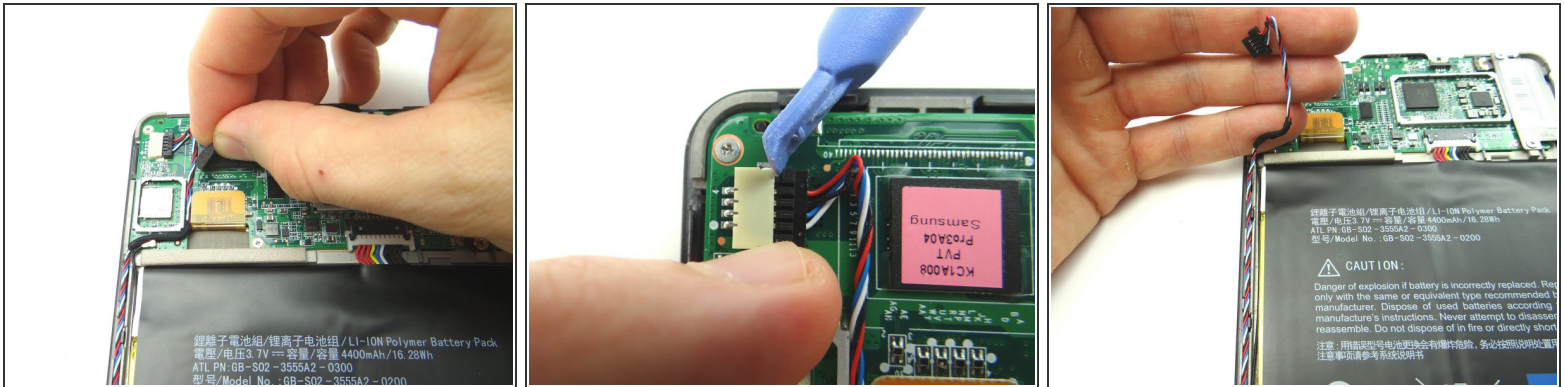


## Step 5



- With the Kindle upside down (charging port at top), use your hands to separate the battery cover from the Kindle. Start at the charging port and work your way down.
- Place battery cover in ZONE V.

## Step 6 — Removal 2 - Loudspeaker



- Picture 1: Peel up foam tape covering the speaker connector. Place in COMPARTMENT A.
- Picture 2: Wedge your fingers in the notches between the black speaker cable head and the white speaker connector. Pull the black speaker cable head free.
- ⓘ Use a blue pry tool if you can't fit your fingers in the notches.
- Picture 3: Unthread the speaker cable.

## Step 7



- Remove two 3.3 mm Phillips #00 screws securing the speaker assembly. Place in SLOT 1.
- Remove speaker assembly and place in ZONE I.

## Step 8 — Removal 3 - Battery



- Use the blue pry tool to disconnect the antenna cable head.
- Unthread antenna cable, but don't try to remove it.

## Step 9



- Picture 1: Wedge the spudger under the lower-right corner of the battery.
- Pictures 2 & 3: Work your way up the right side.

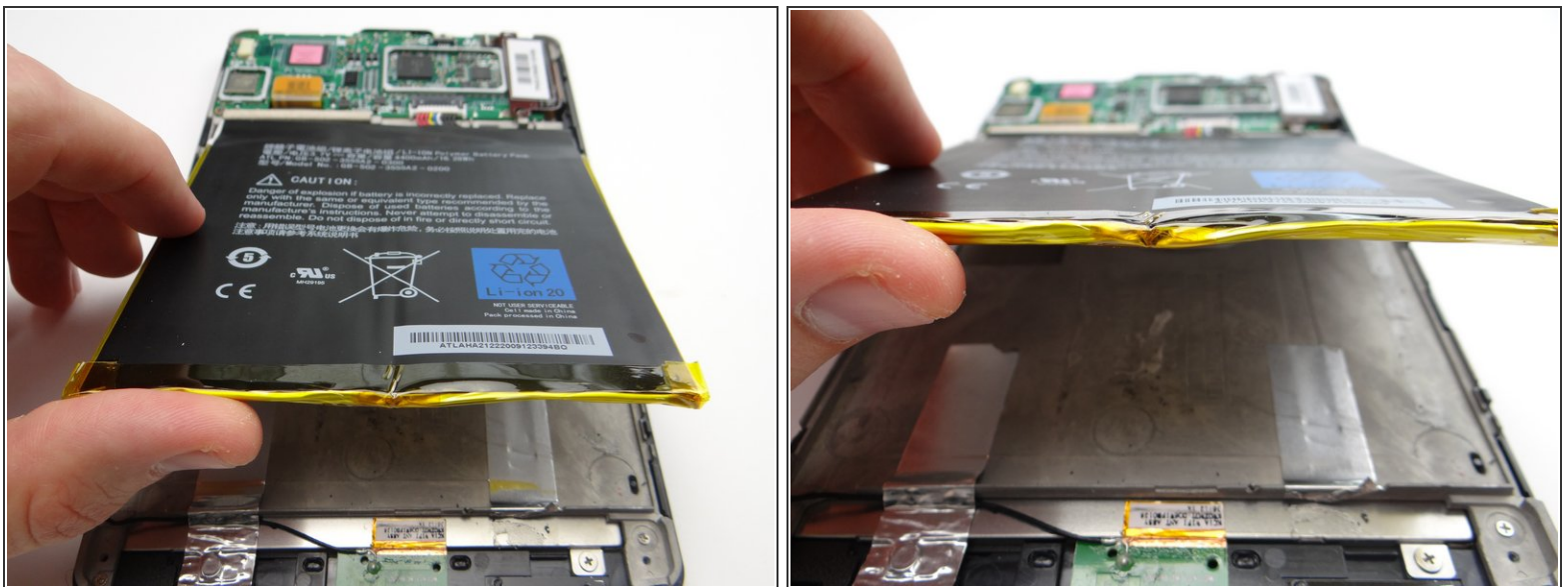


## Step 10



- Picture 1: Wedge the spudger under the lower-left corner of the battery as shown.
- Pictures 2 & 3: Work your way up the left side.

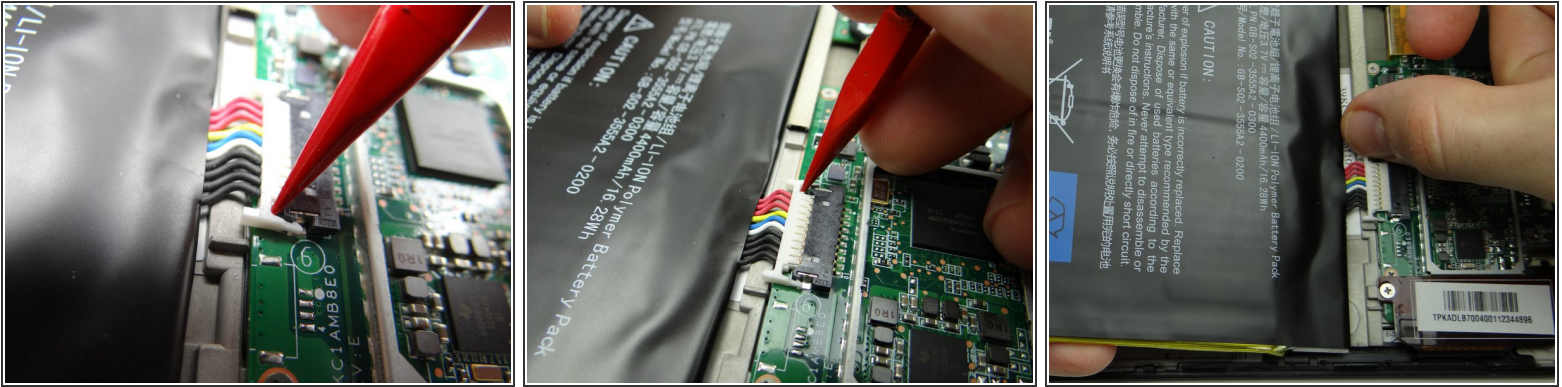
## Step 11



**⚠ Don't try to remove the battery as it's still connected to the logic board:**

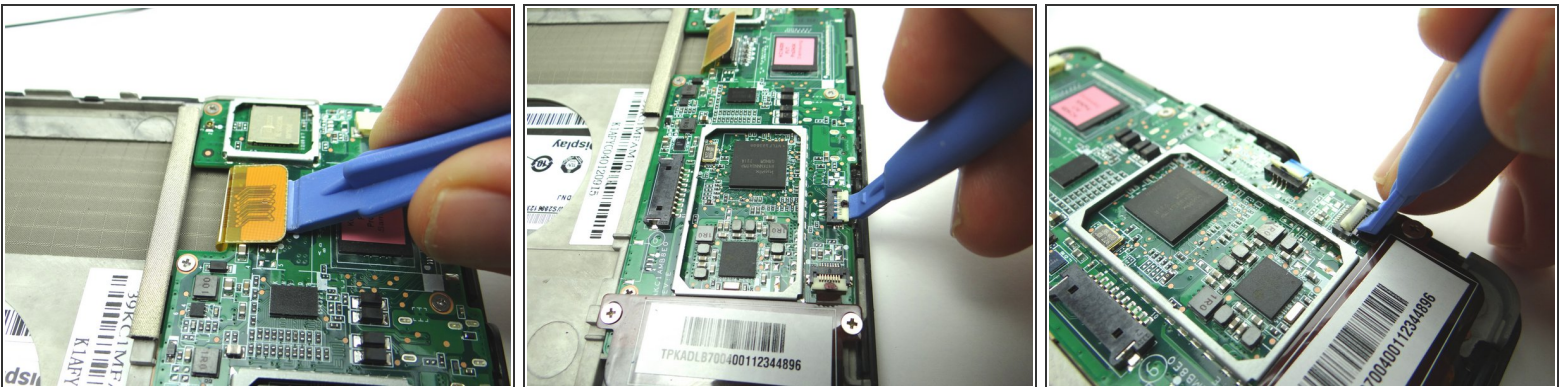
- Lift the battery up from the bottom to free it from the adhesive.
- Lift it to a 45° angle.

## Step 12



- Disconnect the battery:
- Pictures 1 & 2: Wedge the pointed end of the spudger on either side of the battery connector to unhook it.
- Picture 3: Make sure both sides are unhooked while pulling the battery up and away from the Kindle. Place the battery in ZONE V with the battery cover.

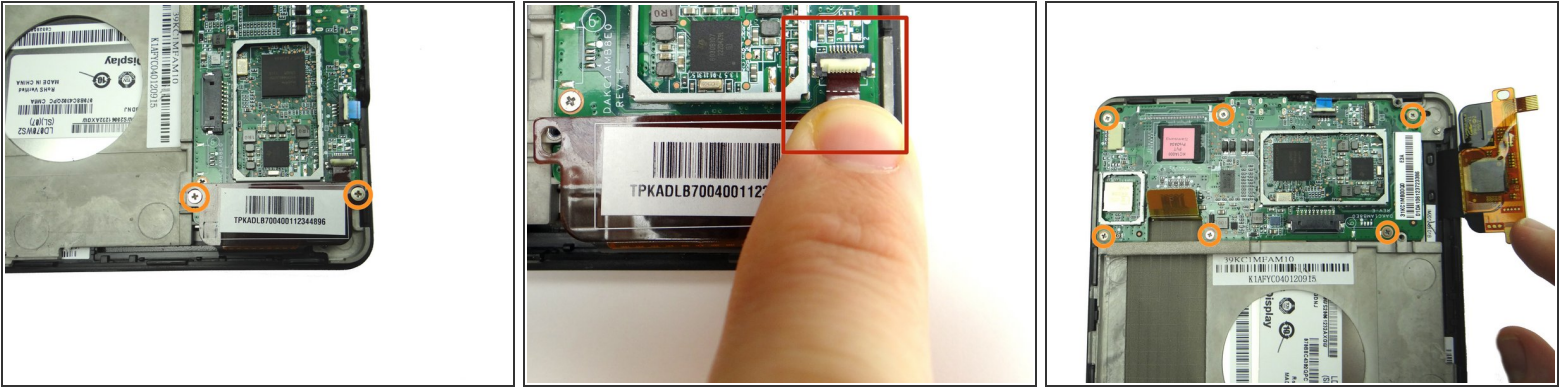
## Step 13 — Removal 4 - Logic Board



- Picture 1: Use a wide blue pry tool to disconnect the LCD cable.
- Picture 2: Open the ZIF connector securing the power button cable.
- Picture 3: Open the ZIF connector securing the digitizer cable.

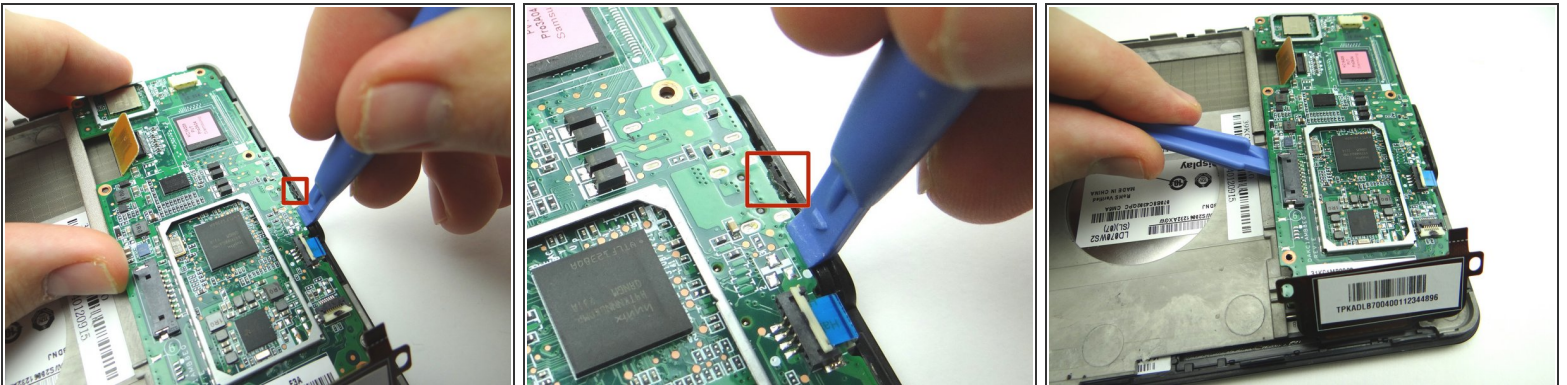


## Step 14



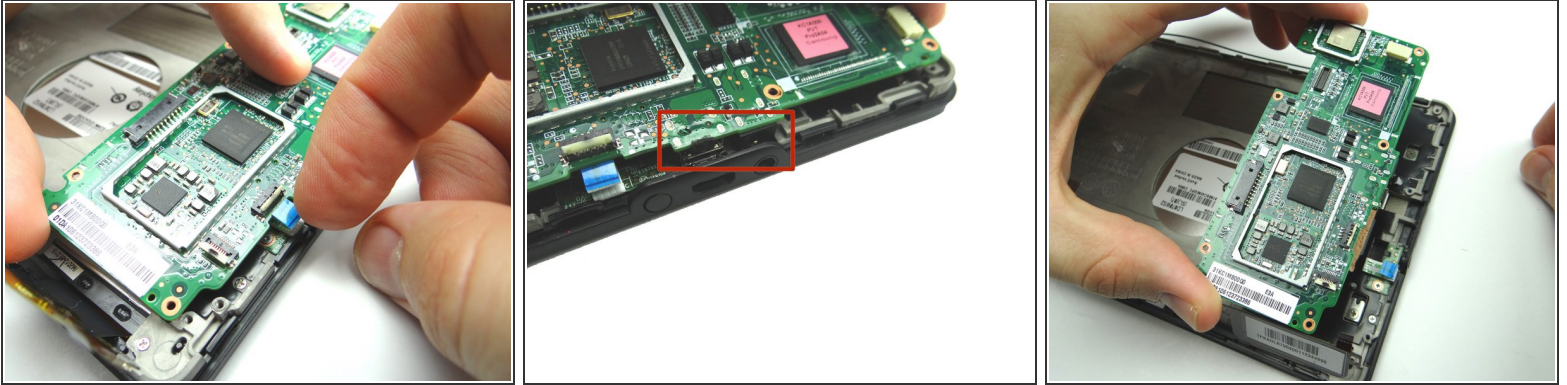
- Picture 1: Remove two 2.3 mm Phillips screws holding down the digitizer cable. Place in SLOT 2.
- Picture 2: Slide the digitizer cable connector out with your finger.
- Picture 3: Remove six 2.6 mm Phillips screws securing the motherboard. Place screws in SLOT 3.

## Step 15



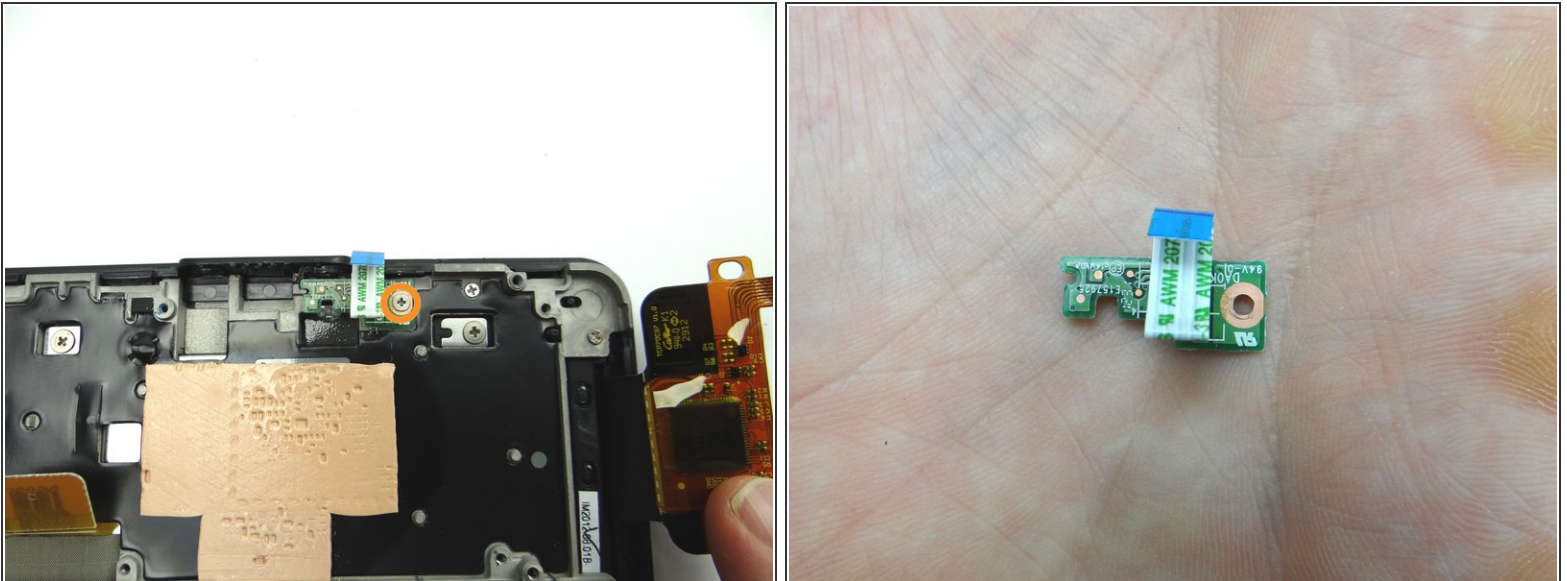
- Pictures 1 & 2: Wedge the blue pry tool between the logic board and front panel exactly where shown. Pry just enough to pivot the logic board around the notch in the red square.
- Picture 3: The bottom of the logic board is lightly adhered to the mid-plate. Wedge the wide blue pry tool exactly where shown. Gently twist counter-clockwise to lift the bottom of the board.

## Step 16



- Picture 1: Lift the bottom edge of the logic board while sliding the power button cable free.
- Picture 2: Carefully guide the charging port and headset jack (soldered to the bottom of the logic board) free.
- Picture 3: Lift the logic board away from the device. Place in ZONES II & III.

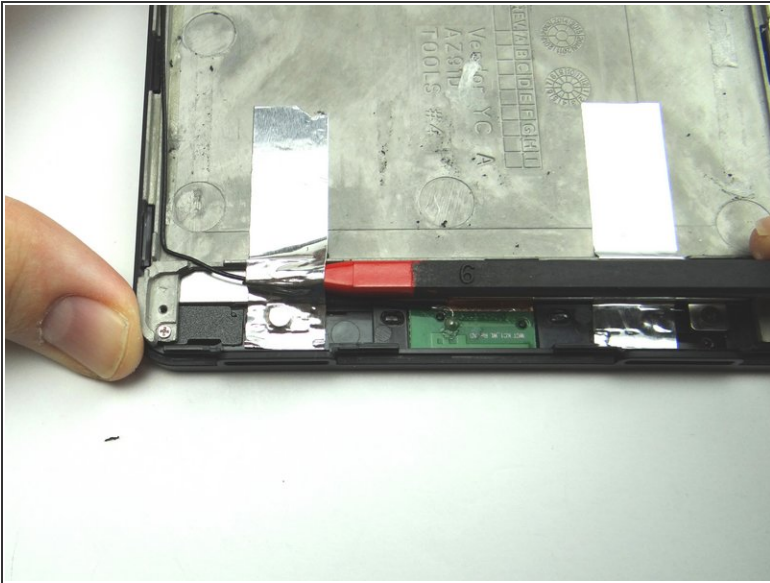
## Step 17 — Removal 5 - Power Button Cable



- Remove the 2.5 mm Phillips screw securing the power button cable. Place screw in SLOT 4.
- Peel up power button cable with your fingers and place in COMPARTMENT B.

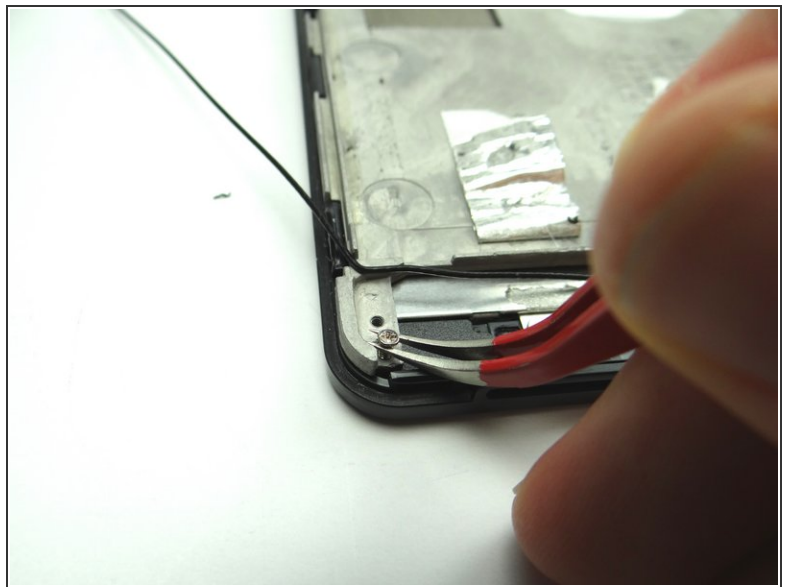


## Step 18 — Removal 6 - Mid-Plate



- Use the pointed end of the spudger to peel up silver tape securing antenna cable.
- Fold the tape out of the way.

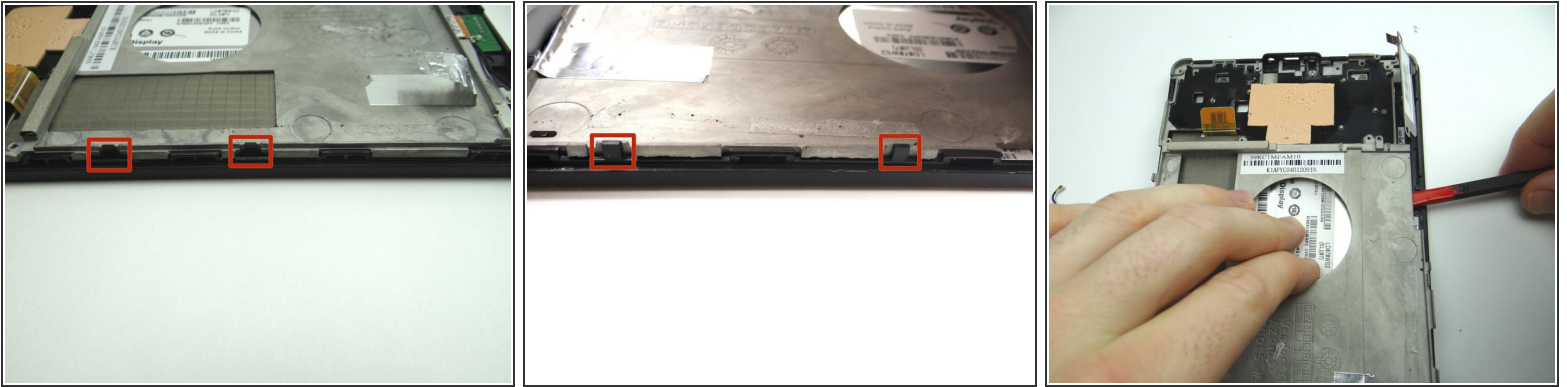
## Step 19



- Remove five 3.6 mm Phillips screws securing the mid-plate. Place in SLOT 5.
- Use curved-tip tweezers to finish pulling up the screws if they get stuck.

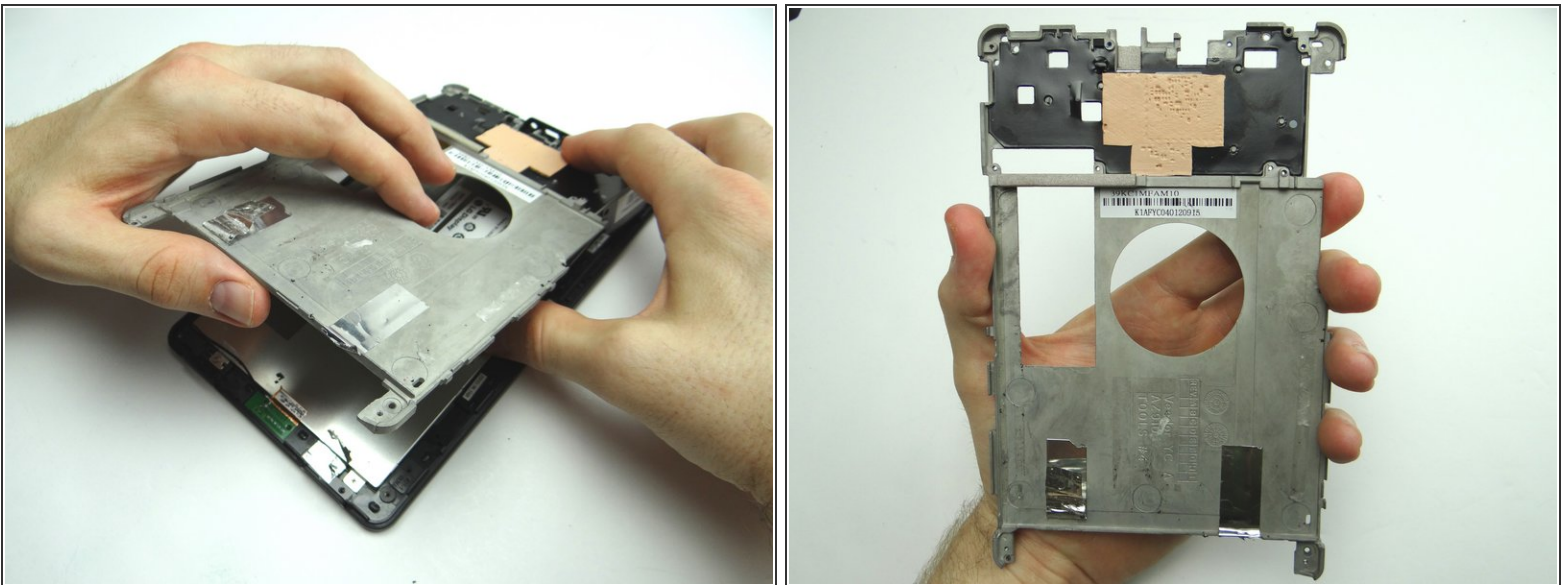


## Step 20



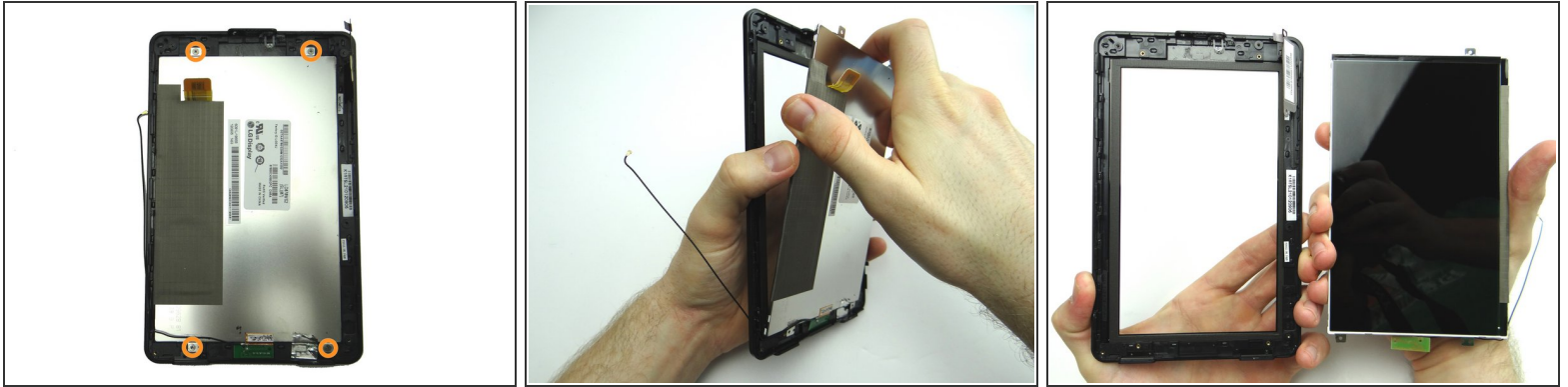
- Pictures 1 & 2: Clips on either side of the front panel hold the mid-plate in place.
- Picture 3: Wedge the flat end of the spudger between the mid-plate and front panel. Pry up the mid-plate using the spudger in your right hand while pulling up with your left.

## Step 21



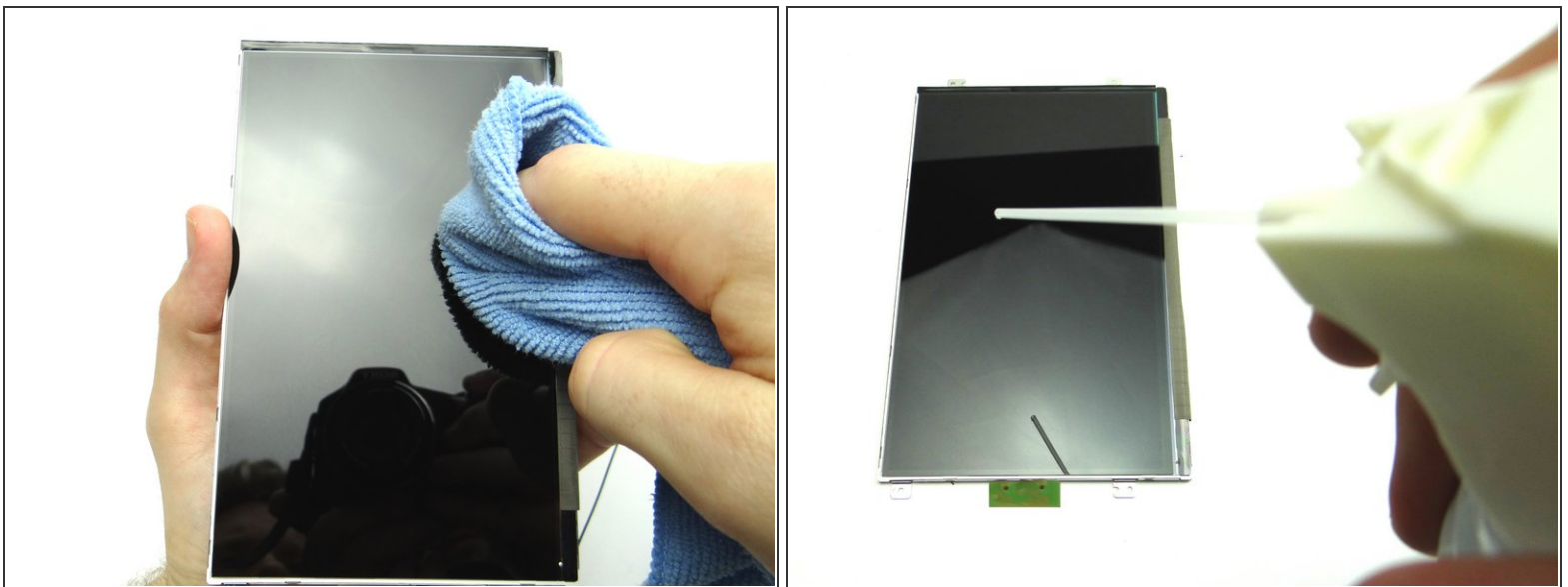
- Continue pulling up the mid-plate with your hands.
- Place in ZONE V.

## Step 22 — Removal 7.1 - Front Glass



- Remove four 2.4 mm Phillips screws holding the LCD to the front glass frame. Place in SLOT 6.
- Separate the LCD from the front glass.

## Step 23 — Replacement 7.1 - Front Glass



- Check the LCD for fingerprints or particulates. Clean with a chamois cloth and dust-off.

## Step 24



- If necessary, clean the inside of the front glass with a chamois cloth and dust-off.

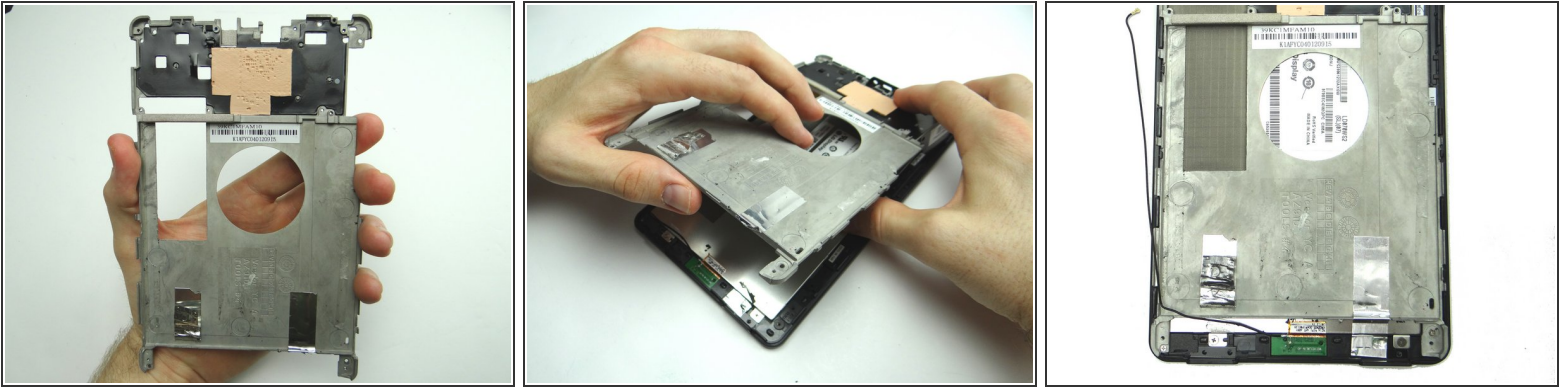
## Step 25



- Seat LCD in front glass frame.
- From SLOT 6, replace four 2.4 mm Phillips screws holding the LCD to the front glass frame.

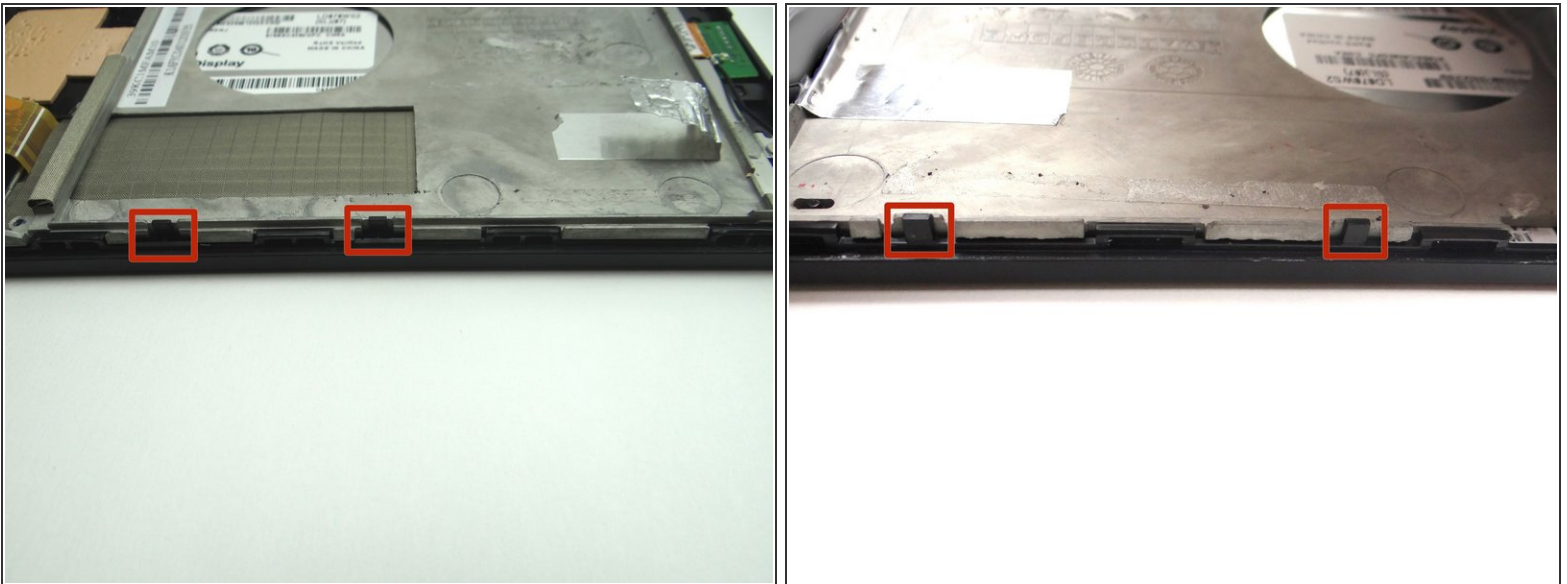


## Step 26 — Replacement 6 - Mid-Plate



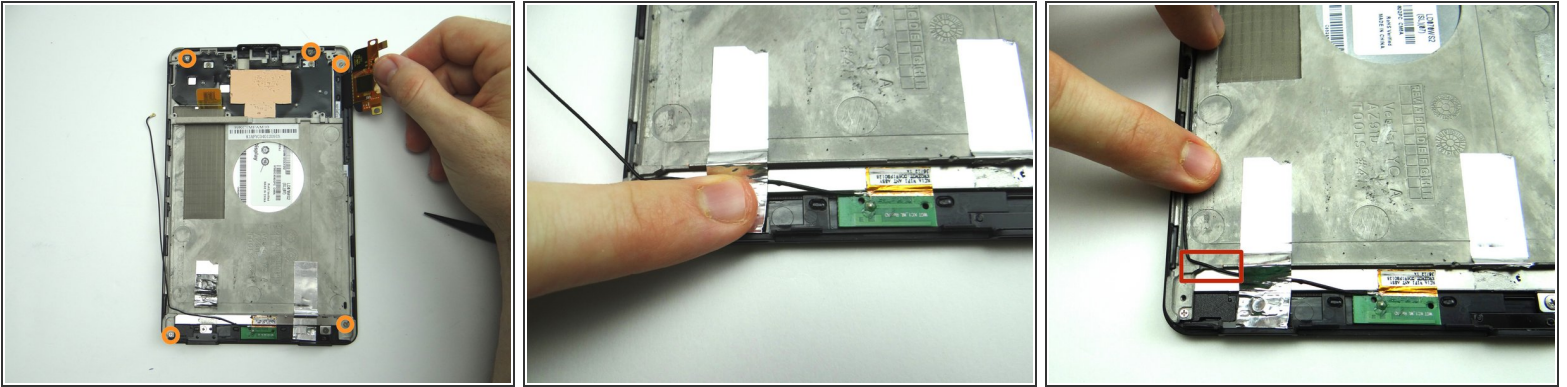
- From ZONE V, seat mid-plate on front panel.
- Make sure antenna cable is out of the way.

## Step 27



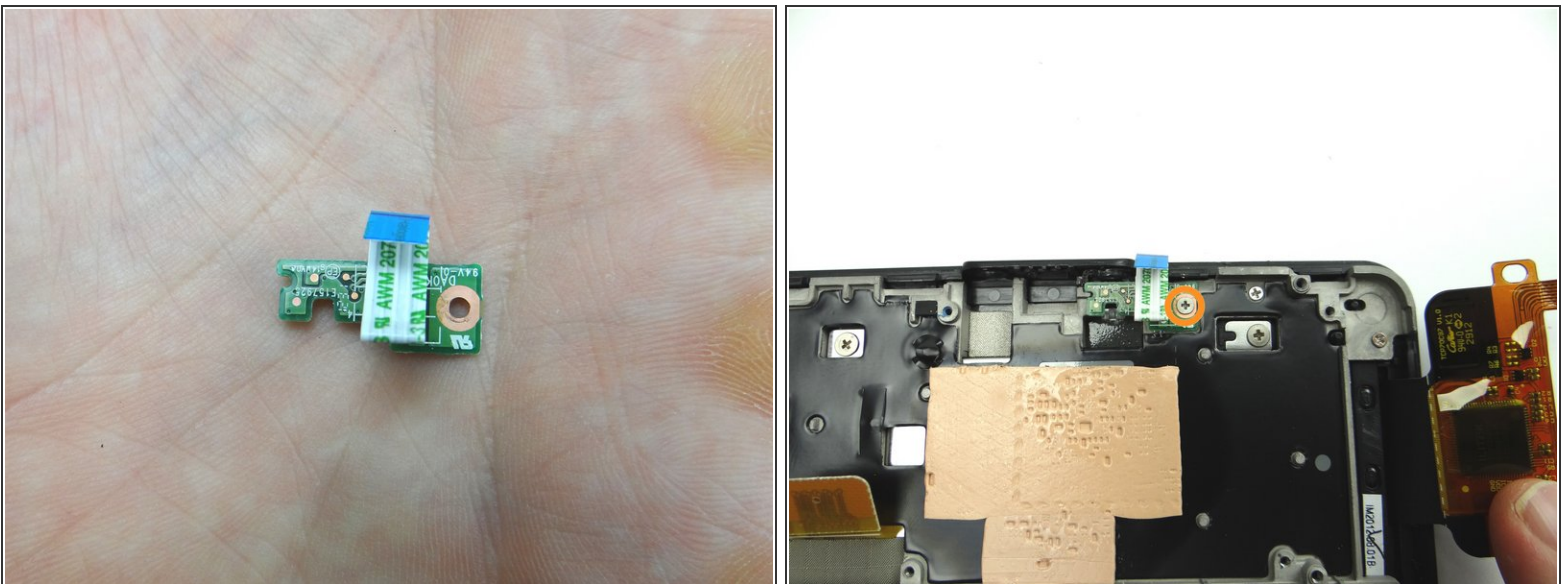
- Make sure the mid-plate is seated under the clips on the front panel.

## Step 28



- Picture 1: From SLOT 5, replace the five 3.6 mm Phillips screws securing the mid-plate.
- Picture 2: Fold tape down on top of antenna cable.
- Picture 3: Place antenna cable along the left edge of the mid-plate. Note the placement of the cable through the notch inside the red square.

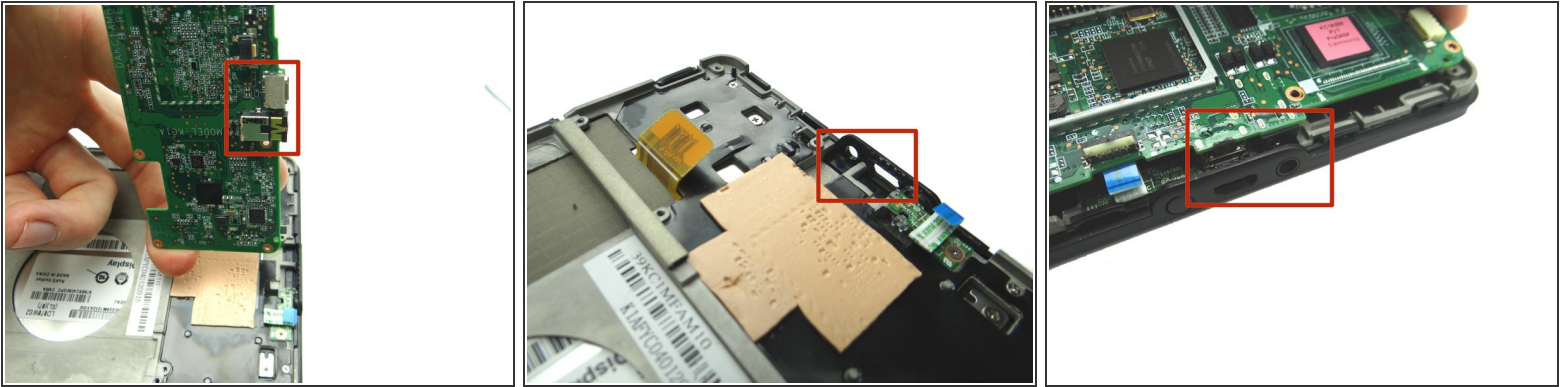
## Step 29 — Replacement 5 - Power Button Cable



- Replace power button cable from COMPARTMENT B.
- From SLOT 4, replace the 2.5 mm Phillips screw to secure the power button cable.



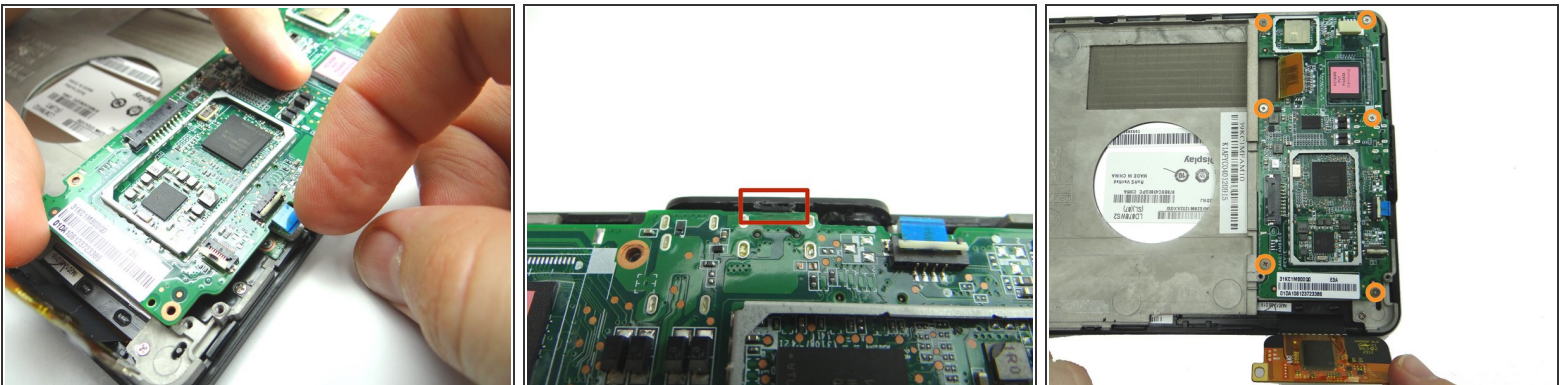
## Step 30 — Replacement 4 - Logic Board



- Replace logic board from ZONES II & III. Guide the charging port and headset jack in first:
- Picture 1: Shows the charging port and headset jack on the bottom of the logic board.
- Picture 2: Shows the openings for the headset jack and charging port.
- Picture 3: Guide the charging port and headset jack in.

⚠ Make sure the power button cable doesn't get stuck under the logic board.

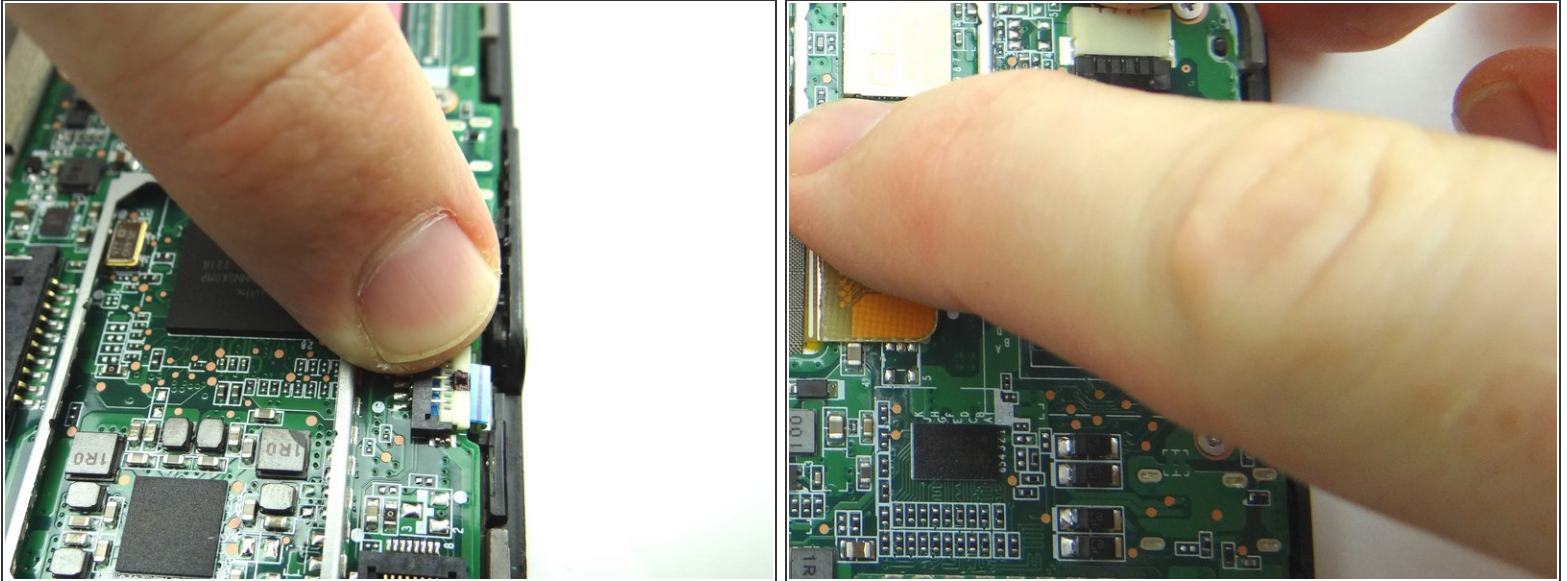
## Step 31



- Pictures 1 & 2: Seat power button cable then gently push the logic board into place. Make sure the logic board is situated under the clip marked in Picture 2.
- Picture 3: From SLOT 3, replace six 2.6 mm Phillips screws.



## Step 32



- Make sure power button cable is pushed in all the way. Close ZIF connector.
- Seat LCD cable.

## Step 33



- Picture 1: Guide digitizer cable into ZIF connector.
- Picture 2: From SLOT 2, replace two 2.3 mm Phillips screws to secure the digitizer cable.
- Picture 3: Close ZIF connector.

## Step 34 — Replacement 3 - Battery



- Seat the battery from ZONE V while guiding the battery connector into its socket.
- Push connector in until it snaps into place.

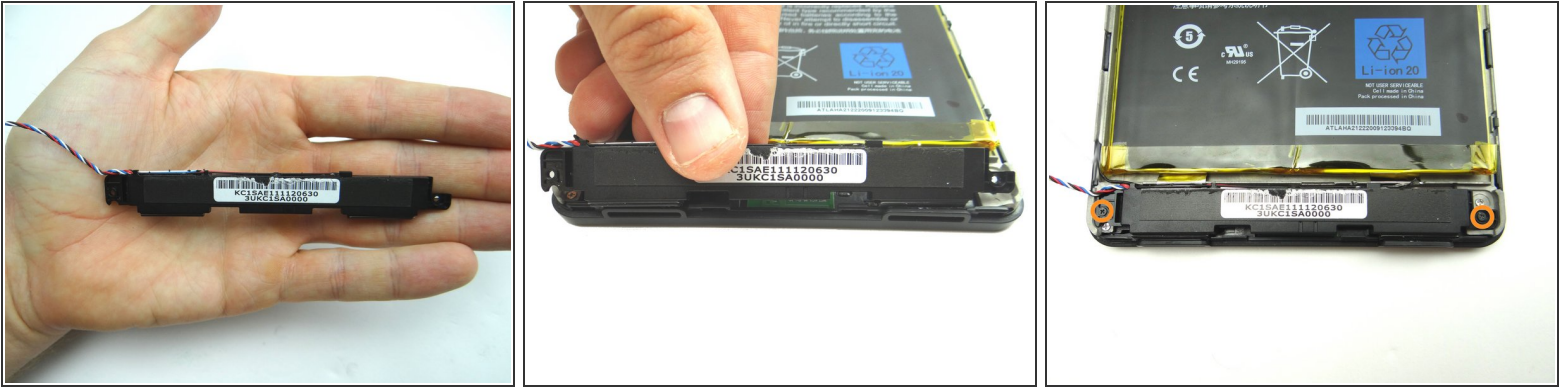
## Step 35



- Thread antenna along the left edge of the battery.
- Seat antenna on logic board.

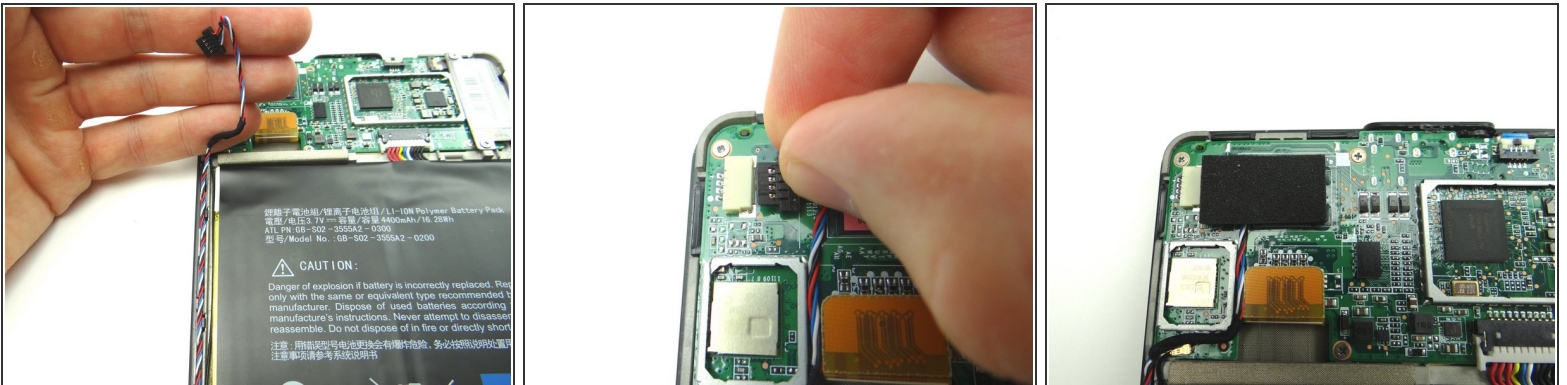


## Step 36 — Replacement 2 - Loudspeaker



- Replace speaker assembly from ZONE I.
- Replace two 3.3 mm Phillips #00 screws securing the speaker assembly from SLOT 1.

## Step 37



- Picture 1: Thread speaker cable through the track just left of the battery.
- Picture 2: Push speaker cable connector into place.
- Replace foam tape from COMPARTMENT A.



## Step 38 — Replacement 1 - Battery Cover



- From ZONE V, secure the battery cover to the Kindle.
- Start with the two tabs on either side of the charging port.

## Step 39



- Push the bottom into place and work your way to the top.

## Step 40



- Power up the device and test the replacement part or parts.