CELLPHONESANDBOX

Manual 10 - Power & Volume Buttons Cable

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Step 1 — Removal 1 - Battery Cover



• Power down device.

Step 2



- Picture 1: Insert the blue pry tool between the front panel and battery cover, with the the tip face down, an inch left of the charging port. Pop up the cover just enough to reinsert the blue pry tool face up.
- Pictures 2 & 3: Insert the blue pry tool face up an inch left of the charging port. Twist until you can grab the battery cover with your fingers.



- Work your way around the perimeter with your fingers. Continue peeling the battery cover up until it's free.
- Place battery cover in ZONE V.

Step 4 — Removal 2.1 - Disconnect Battery



∧ The battery connector is stiff and fragile:

- Picture 1: Use the pointed end of the spudger to push back the top of the battery connector slightly.
- Picture 2: Use your finger to put mild tension at the top of the connector while using the spudger to push back the bottom of the connector.
- Picture 3: Finish removing the connector with your fingers.

Step 5 — Removal 2.2 - Remove Battery



- With the pointed end of the spudger, cut through the copper tape covering cables.
- Use plastic tweezers to remove the Kapton tape covering the top speaker connector.

Step 6



- Pictures 1 & 2: Use blue pry tool to disconnect antenna cable.
- Picture 3: Peel up antenna cable. Move it out of the way of the battery.



- Picture 1: Wedge the pointed end of the spudger under lower speaker cable connector and lift straight up.
- Picture 2: Use plastic tweezers to peel up the black electrical tape covering the speaker cable, without removing it, to free the cable.
- Picture 3: Move the speaker cable out of the way of the battery.

Step 8



- Pictures 1 & 2: Remove one 3.6 mm T5 Torx screw. Place in SLOT 1.
- Picture 3: Remove four 2.2 mm #00 Phillips screws. Place in SLOT 2.



- Lift the battery away from the kindle.
- Place battery in ZONE V.

Step 10 — Removal 3 - Top Speaker



- Pictures 1 & 2: Disconnect top speaker cable.
- Picture 3: Remove one 3.1 mm #00 Phillips screw. Place in SLOT 3.



• Remove top speaker and place in ZONE I.

Step 12 — Removal 4.1 - Antenna



- Use pointed end of spudger to peel up corner of antenna gel tape.
- (i) The gel tape is durable. The spudger won't damage it so long as you're careful.
- Continue peeling up antenna with your fingers.
- Place in COMPARTMENT C.

Step 13 — Removal 4.2 - Volume Rocker



• Gently lift volume rocker. Place in COMPARTMENT A.

Step 14 — Removal 4.3 - Power Button



• Gently lift power button. Place in COMPARTMENT B.

Step 15 — Removal 4.4 - Headphone Jack



- Picture 1: Use blue pry tool to open ZIF connector.
- Picture 2: Remove headphone jack cable with your fingers.

Step 16



- Picture 1: Open ZIF connector holding volume & power buttons cable.
- Picture 2: Remove cable with your fingers.
- Picture 3: Remove two 3.1 mm #00 Phillips screws. Place in SLOT 4.



- Use flat end of spudger and your fingers to pry up headphone jack board.
- Remove it and place in COMPARTMENT D.

Step 18 — Removal 5 - Logic Board



- Pictures 1 & 2: Remove 1.8 mm #00 Phillips screw. Place in SLOT 5. Place the bracket held down by the screw in SLOT 5 too.
- Picture 3: Disconnect digitizer cable.



- Picture 1: Disconnect LCD cable.
- Picture 2: Disconnect camera connection cable.
- Picture 3: Open ZIF connector for headphone jack connection cable.

Step 20



- Picture 1: Remove headphone jack connection cable from open ZIF connector.
- Picture 2: Peel up cable and place in ZONE V.
- Picture 3: Make sure the speaker cable is out of the way of the logic board.



- Picture 1: Remove five 3.2 mm #00 Phillips screws holding down logic board. (Note the hidden screw in the upper-right hand corner). Place in SLOT 6.
- Picture 2: Peel up the corner of the copper tape with the iSesamo in one hand, while protecting the logic board from contact with the iSesamo tool with your pointer finger on the opposite hand.
- Picture 3: Continue peeling the tape up from the mid-plate with your fingers.



- (i) There should be minimal tension while removing the logic board:
- Picture 1: Lift the top of the logic board with the blue pry tool just enough to wedge your pointer finger underneath.
- Picture 2: Grab the logic board with your fingers and carefully guide the charging port and HDMI port (red square) out of their sockets. Finish removing the logic board.
- Picture 3: Shows the charging port and HDMI port (red square). Place logic board in ZONE V with battery and battery cover.

Step 23 — Removal 6 - Lower Speaker



- Remove two 3.1 mm #00 Phillips screw. Place in SLOT 7.
- Peel up speaker cable.
- Remove lower speaker and place in ZONE II.

Step 24 — Removal X - Camera (front-facing only)



- Use blue pry tool to disconnect the camera.
- Remove it and place it in COMPARTMENT D.

Step 25 — Removal 7 - Mid-Plate



- Picture 1: Remove two 3.1 mm #00 Phillips screws and place in SLOT 8.
- Pictures 2 & 3: Remove two 3.2 mm #00 Phillips screws and place in SLOT 9. The bottom screw is covered by copper tape - simply push the screwdriver through the tape.



• Lift the upper-right corner of the mid-plate, carefully guiding the LCD and digitizer cables through.

Step 27



- Continue lifting the mid-plate away from the display assembly.
- Carefully set the components in ZONE V aside. Place the mid-plate in ZONE V, then put the other components on top.

Step 28 — Removal 8 - Volume & Power Button Cable



- Use the iSesamo to carefully separate the volume & power cable from the display.
- Finish removing the cable with your fingers.
- Place cable in COMPARTMENT E.

Step 29 — Replacement 8 - Volume & Power Button Cable



Seat the volume & power cable from COMPARTMENT E. Adhere it to the inside wall of the display.

Step 30 — Replacement 7 - Mid-Plate



- Seat mid-plate on display assembly:
- Carefully guide the LCD and digitizer cables through their openings in the upper-right corner.

Step 31



- Picture 1: From SLOT 9, replace two 3.2 mm #00 Phillips screws.
- Picture 2: Replace two 3.1 mm #00 Phillips screw and place from SLOT 8.

Step 32 — Replacement X - Camera (front-facing only)



- From COMPARTMENT D, replace camera:
- Seat and connect it.

Step 33 — Replacement 6 - Lower Speaker



- Picture 1: Seat the lower speaker from ZONE II.
- Pictures 2 & 3: Run the speaker cable along the outside wall of the battery chamber on the midframe.



Replace two 3.1 mm #00 Phillips screws from SLOT 7.

Step 35 — Replacement 5 - Logic Board



- Picture 1: From ZONE V, guide the HDMI and charging port (red square) in first then continue to seat logic board.
- Picture 2: Adhere the edge of the copper tape to the mid-plate.
- Picture 3: Make sure the lower speaker cable is feed through the opening in the logic board as pictured.



 Replace five 3.2 mm #00 Phillips screws holding down logic board from SLOT 6.

Step 37



- Picture 1: From ZONE V, seat headphone jack connection cable.
- Picture 2: Connect to ZIF connector on logic board.
- Picture 3: Close ZIF connector.



- Connect camera connection cable.
- Connect LCD cable.

Step 39



- Picture 1: Connect digitizer cable.
- Pictures 2 & 3: Seat the bracket from SLOT 5. Replace 1.8 mm #00 Phillips screw from SLOT 5 to hold down bracket.

Step 40 — Replacement 4.4 - Headphone Jack



- From COMPARTMENT D, replace headphone jack board.
- Replace two 3.1 mm #00 Phillips screws from SLOT 4.

Step 41



- Push power and volume buttons cable head into open ZIF connector.
- Close ZIF connector



- Push headphone jack connection cable into open ZIF connector.
- Close ZIF connector.

Step 43 — Replacement 4.3 - Power Button



- Maintain orientation from Picture 1:
- From COMPARTMENT B, replace power button.

Step 44 — Replacement 4.2 - Volume Rocker



- Maintain orientation from Picture 1:
- From COMPARTMENT A, replace volume rocker.

Step 45 — Replacement 4.1 - Antenna



- From COMPARTMENT C, replace antenna.
- Lay the cable next to the screw socket as pictured.

Step 46 — Replacement 3 - Top Speaker



- Seat top speaker from ZONE I.
- Stand the antenna cable up as shown in Picture 3 so it's out of the way when you seat the battery.

Step 47



- Picture 1: Replace one 3.1 mm #00 Phillips screw from SLOT 3.
- Pictures 2 & 3: Reconnect speaker cable.

Step 48 — Replacement 2.2 - Replace Battery

 Replace battery from ZONE V. Make sure the antenna cable & lower speaker cable don't get trapped underneath.

Step 49

- Picture 1: Replace four 2.2 mm #00 Phillips screws from SLOT 2.
- Pictures 2 & 3: Replace one 3.6 mm T5 Torx screw from SLOT 1.

- Picture 1: Shows the speaker cable.
- Picture 2: Seat the cable speaker next to the notches (red squares) on the outside edge of the battery frame.

 \bigwedge Don't tuck the cable under the notches.

• Picture 3: Seat speaker cable connector.

Step 51

- Pictures 1 & 2: Seat antenna cable in the battery frame notches.
- Picture 3: Connect antenna cable.

Step 52 — Replacement 2.1 - Connect Battery

- Picture 1: Push both sides of battery connector evenly into the socket.
- Picture 2: The connector should look like this (cannot see gold contacts) if seated properly.

Step 53 — Replacement 1 - Battery Cover

• Push battery cover back onto Kindle.

- Pictures 1 & 2: Check around the edges for gaps between the battery cover and front panel.
- Picture 3: Power up and test device.