# Xelio P1001A-BK Battery Pack Replacement

This guide takes the user through the steps for replacing the tablet battery pack.

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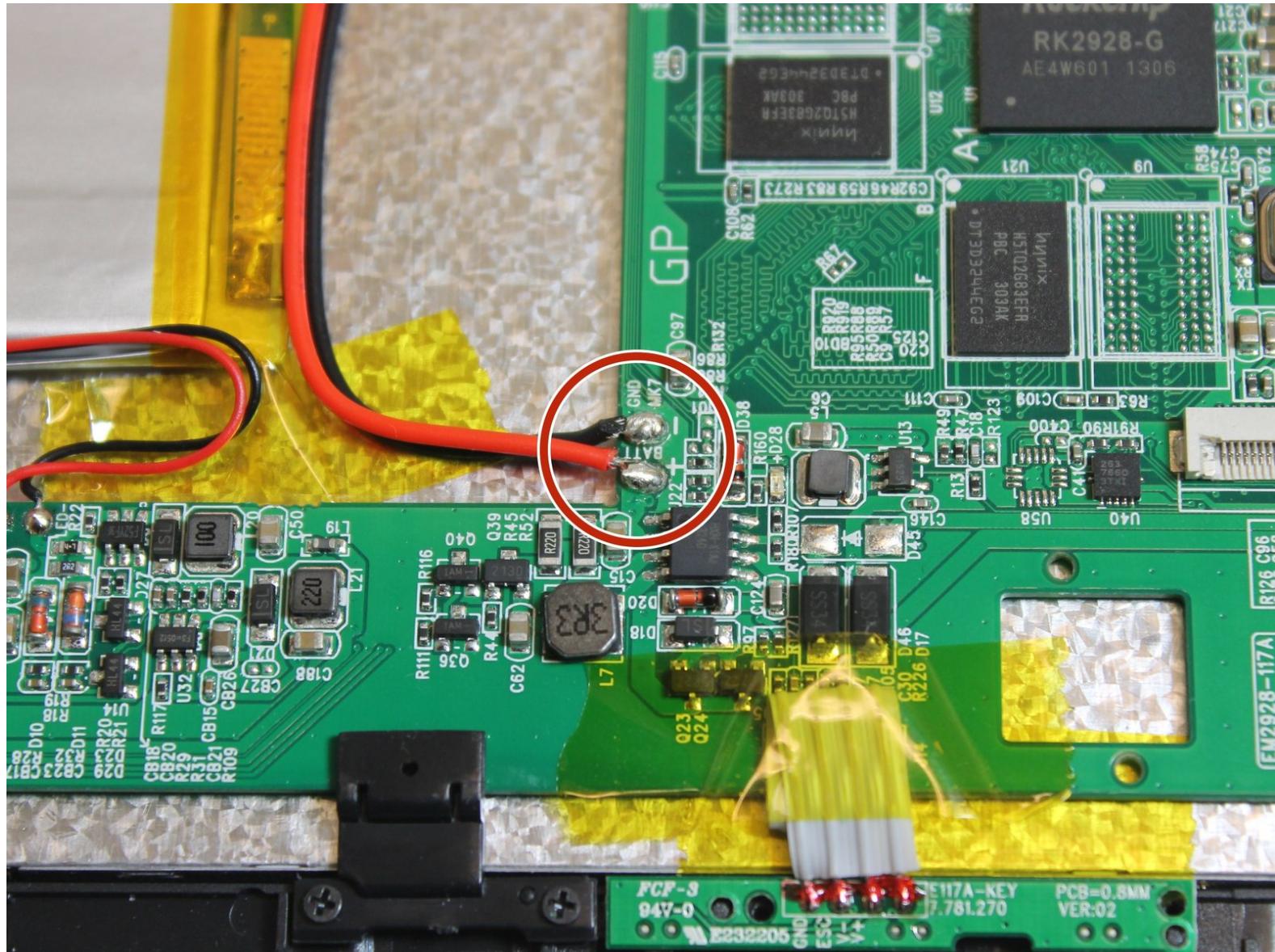
INTRODUCTION

As the tablet ages, the battery pack will steadily degrade in its ability to hold a charge due to constant discharging and recharging. Eventually it will not be able to retain enough charge to power the tablet and will have to be replaced. While replacing the battery pack is a relatively straight forward task, care must be taken when handling the battery pack. The pack is made up of a lithium-ion compound in a flexible mylar jacket which can allow internal battery components to come in contact with each other causing a potentially dangerous chemical reaction. Also, the mylar jacket is vulnerable to damage which could allow the internal chemicals to leak out.

Since the motherboard will be exposed, care should be taken to prevent short circuiting the power leads from the battery or allowing static electricity to damage the motherboard. An antistatic mat should be used if available.

TOOLS:

- Solder Vacuum (1)
- Soldering Iron (1)
- Phillips #0 Screwdriver (1)
- Jimmy (1)

PARTS:

- 3.7 volt 3700mAH Battery Pack (1)
- Rosin core solder (1)

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Step 1 — Removing the Back Cover

- Locate screws at each corner on the side of the tablet

Step 2

- With a Phillips #0 screwdriver, remove the two 3mm x 1mm retaining screws

- ⓘ Store the screws in a plastic bag or other appropriate container.

Step 3

- Using the plastic opening tool, disengage the securing tabs that are along the two long sides of the tablet, four on each side.

- Slowly rotate up the side of the tablet opposite from the control buttons.

Step 4
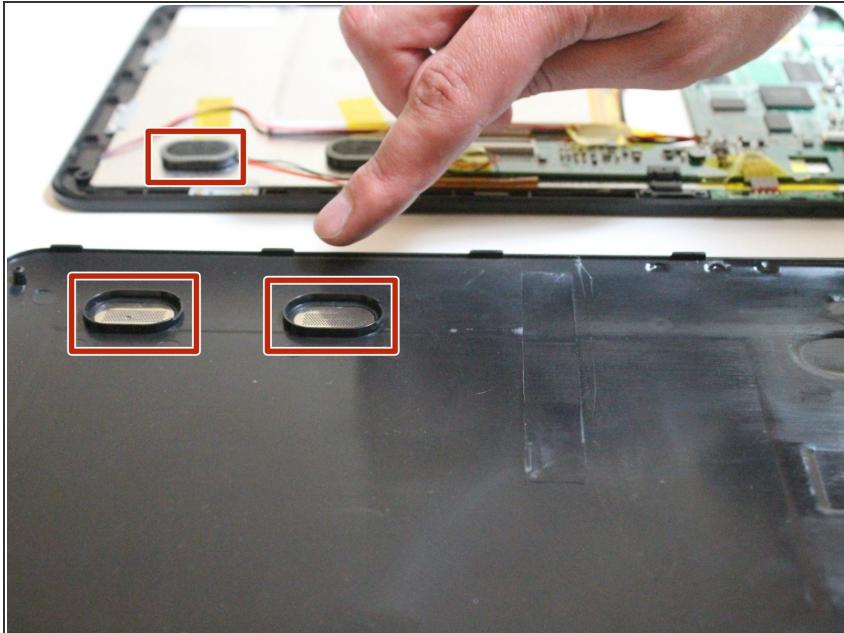
- ⚠️ Before fully separating the shell halves, observe if the speakers are separated from the shell half

- If they are, the shell half can be fully separated from the front shell half

- If the are still in their sockets, gently pry them loose with the plastic opening tool.

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Step 5 — Replacing The Battery Pack
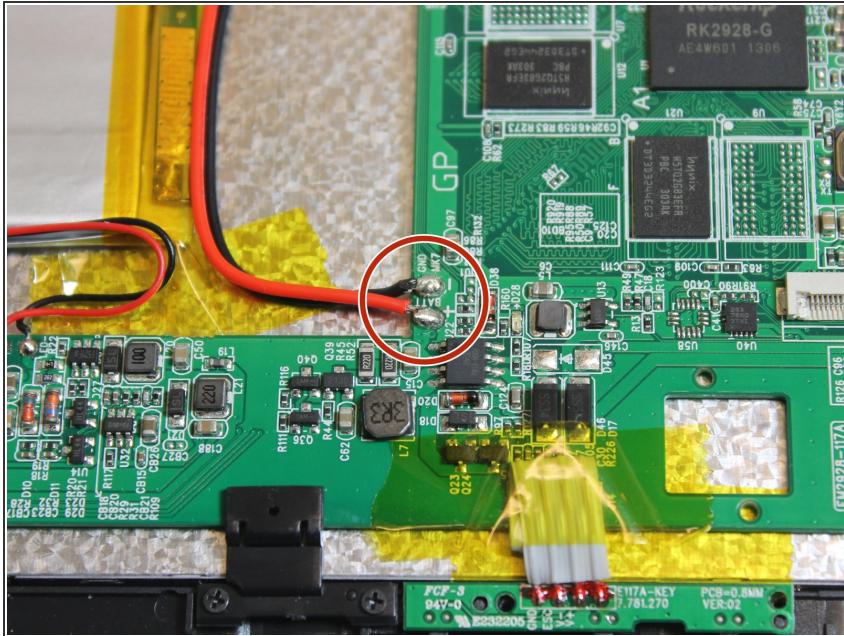
- Locate where the wires from the battery pack connect to the motherboard

Step 6
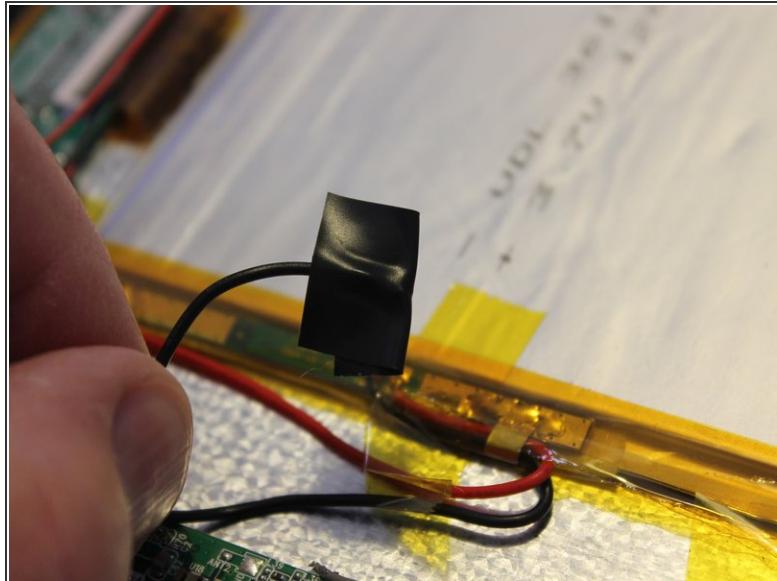
- De-solder the two wires connecting the battery pack to the motherboard.

- Wrap the exposed end of the negative wire (black) with electrical tape

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Step 7
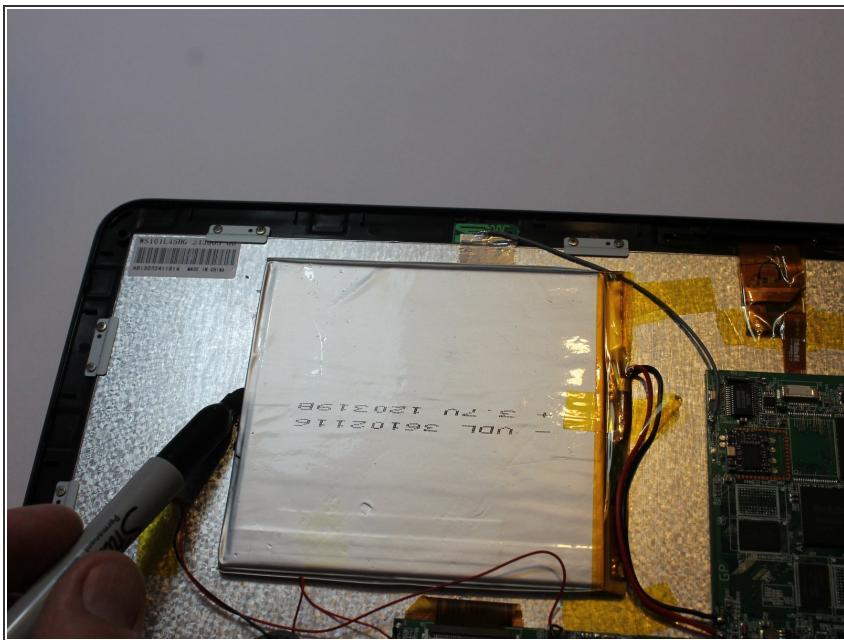
- With a permanent marking pen, such as a Sharpie pen, trace the outline of the battery pack on the screen back shield.

- (i) This will aid in positioning the new battery pack.

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Step 8
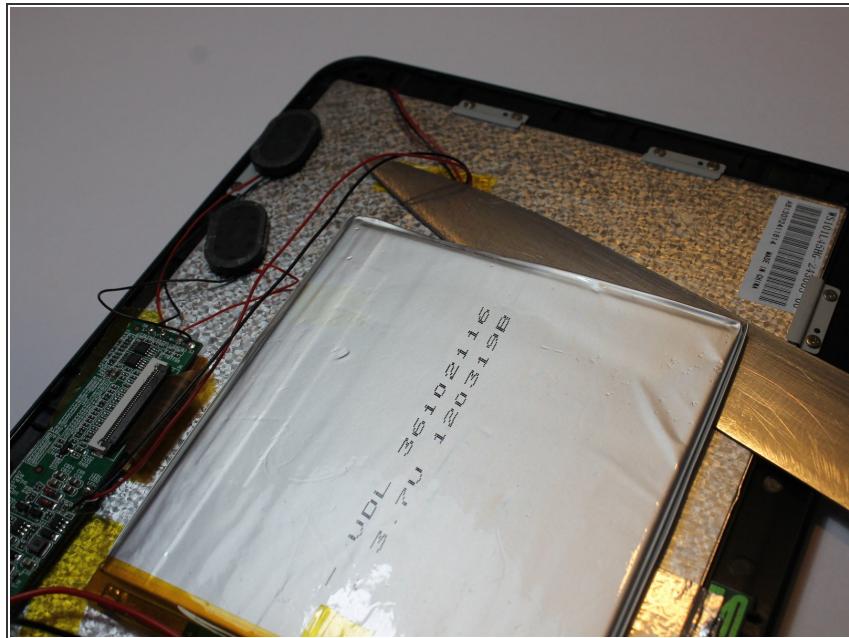
- With a sharp, thin bladed knife carefully cut through the adhesive pads that hold the battery pack to the screen back shield.

- Angle the blade slightly downward so that it will not cut through the mylar jacket

- Remove the battery pack

⚠ Avoid flexing the battery pack

⚠ It is important that the blade is longer than the width of the battery pack so that it is never under the pack. The tip could penetrate the battery pack's mylar jacket if it is under the battery pack while cutting through the adhesive pads.

Step 9
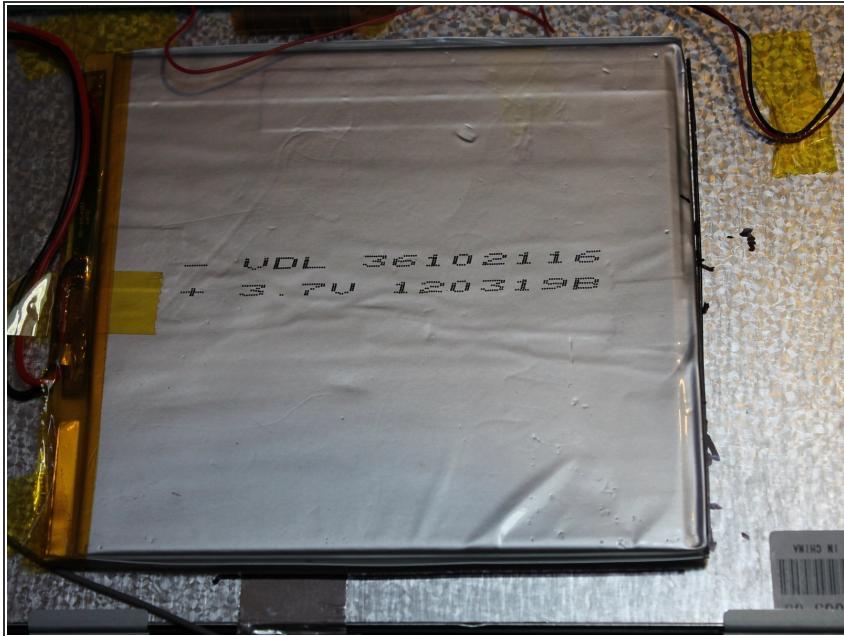
- Apply a small amount of silicon glue to the new battery on the side it will come in contact with the screen back shield

- Place the battery pack on the screen back shield inside the outline made previously

- If the wire ends are not bare, strip about 3mm of insulation from the end. Start with the negative wire and wrap the bare end with electrical tape

Step 10
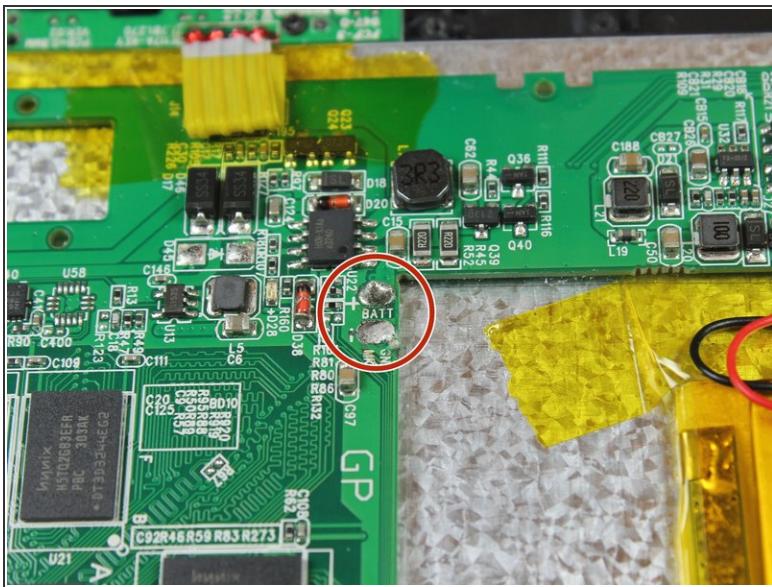
- Locate the battery solder points on the motherboard.

- They are labeled BATT and the positive point is labeled + and the negative –

- Solder the new battery wires to their appropriate points

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