Apex Tablet 7 Battery Replacement

This guide will instruct you on how to replace the lithium-ion battery inside the Apex 7" Tablet.

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INTRODUCTION

This guide demonstrates how to remove and replace the battery of the device in the case of a dead or malfunctioning battery.
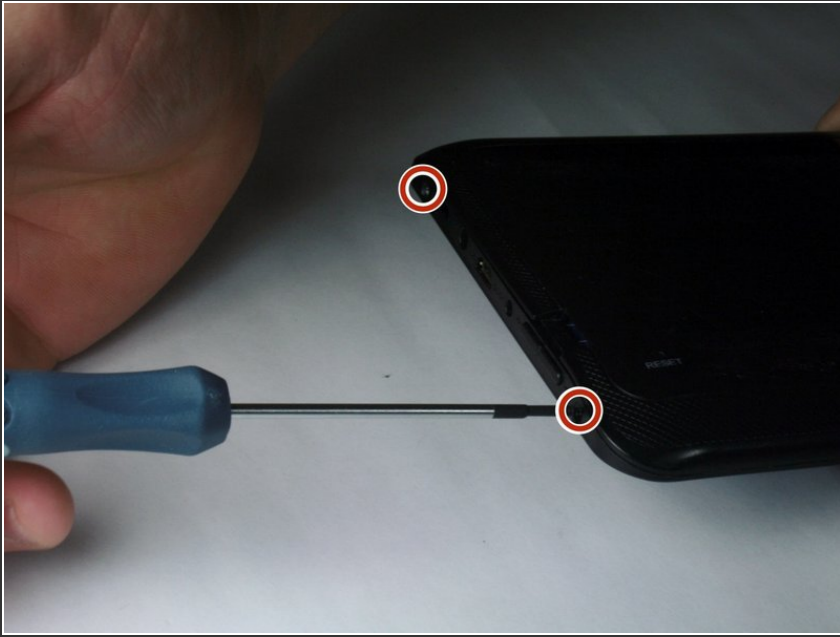
🔧 TOOLS:

- Soldering Iron (1)
- Solder (1)
- Tweezers (1)
- Spudger (1)
- Phillips #00 Screwdriver (1)
- iFixit Opening Tools (1)
- iFixit 6 Inch Metal Ruler (1)

⚙ PARTS:

- APEX 7" tablet OEM battery (1)
- Polyimide Tape (1)

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Step 1 — Back Panel

- Unscrew the two 2.70 mm Phillips #00 screws on the side of the tablet that has the buttons and the headphone jack (bottom side when holding upright).

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Step 2

⚠️ **CAUTION**: When removing the back panel of the tablet, take caution around the speaker. This is located in the lower right corner when looking at the back of the tablet. There are two wires inside connecting the tablet back panel to the device itself and this connection may be severed if the back is pulled off without care.

● This connection is shown in red on the pictures.

Step 3

- Slide a plastic opening tool in between the edge of the back panel and the the top edge of the device.

- Run the plastic opening tool along the sides of the tablet while keeping it in the crack between the tablet and the back panel to create an opening.

Step 4

- Apply pressure using your hand to pop the back panel off slowly, taking extra care around the speaker connection.
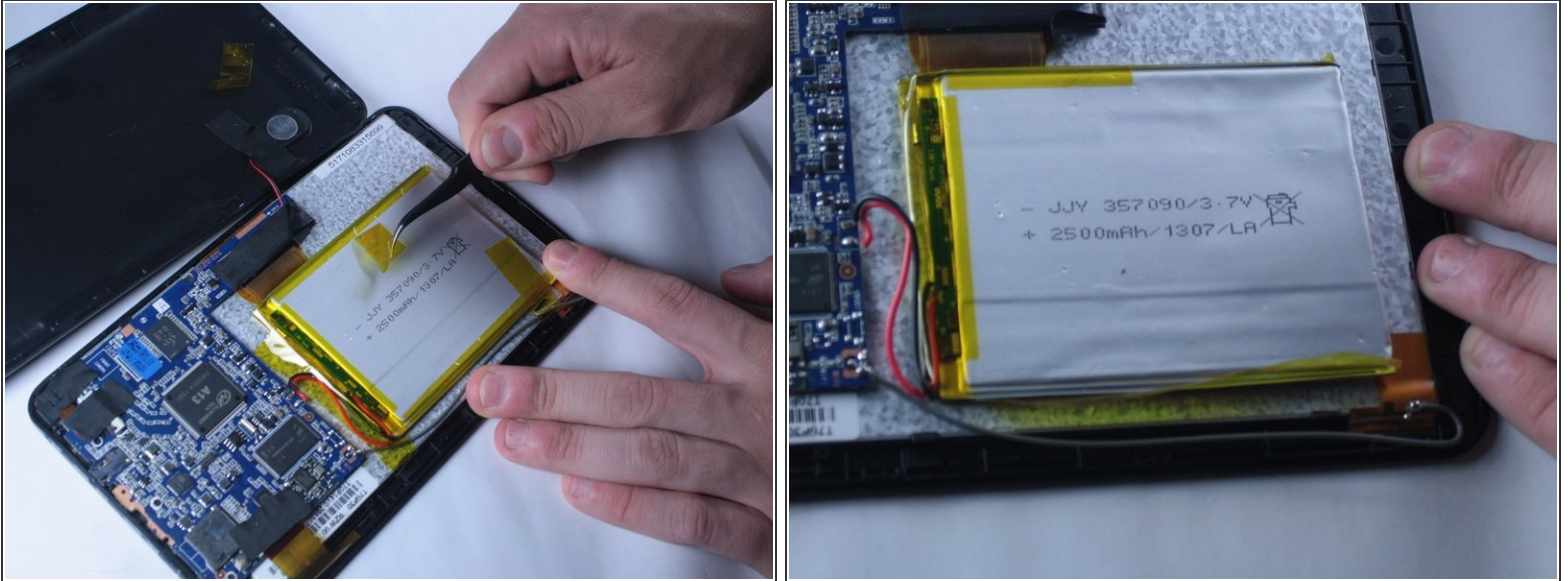
Step 5

- The back panel should now be disconnected from the device. This provides access to the components of the device for repairing and replacing parts of the tablet.

Step 6 — Battery

- Locate battery and wires connected to the battery

Step 7

- Using tweezers or your fingers, begin removing the yellow tape holding the battery down to the device.
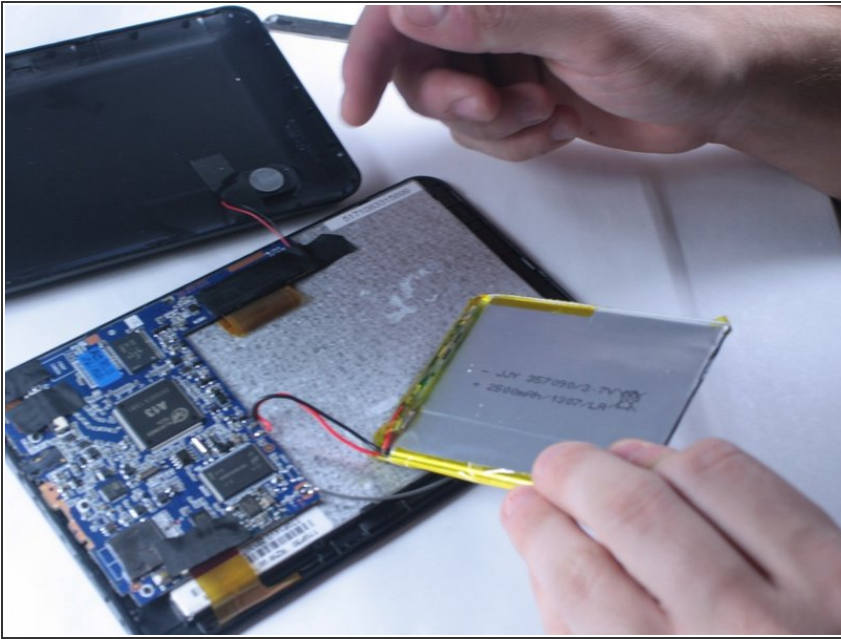
Step 8

- ⚠️ The battery is very fragile, so this process may cause some damage to the old battery during removal. Take extra care if you need the old battery to remain intact.

- The battery is held to the back of the device by an adhesive under the battery. Use a ruler or spudger to slowly separate the battery from the glue underneath.
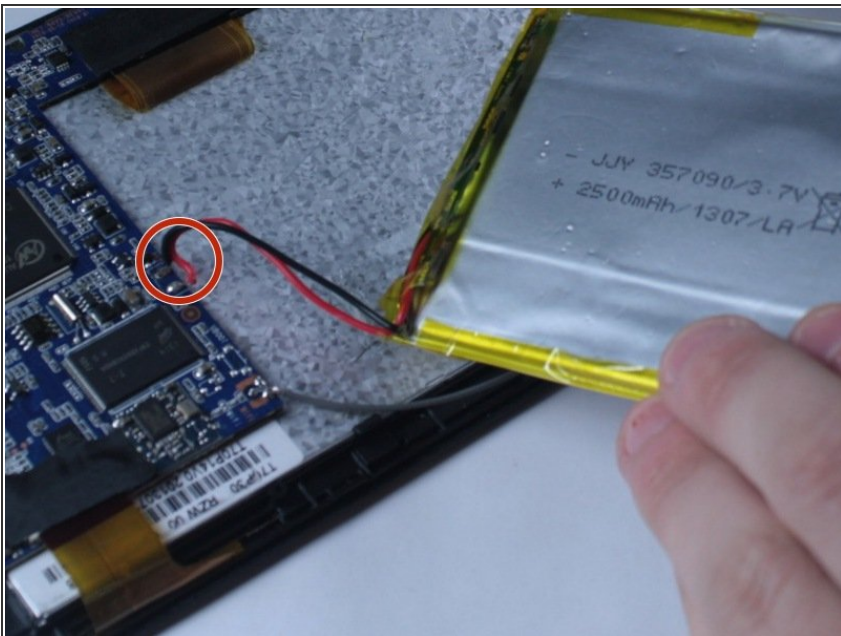
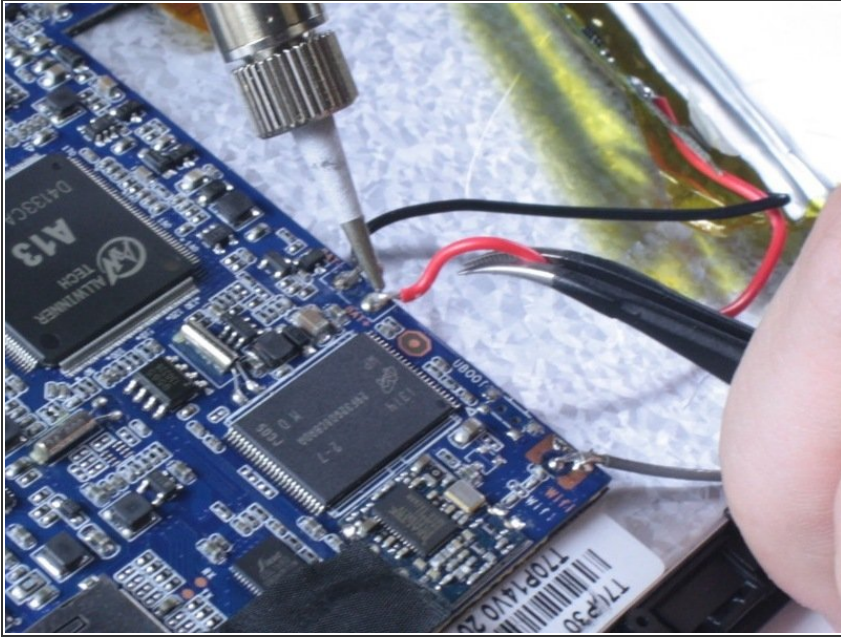 ⚠️ Take care not to bend or puncture the battery, which can cause a fire.

Step 9

- The battery should now lift up freely from the device.
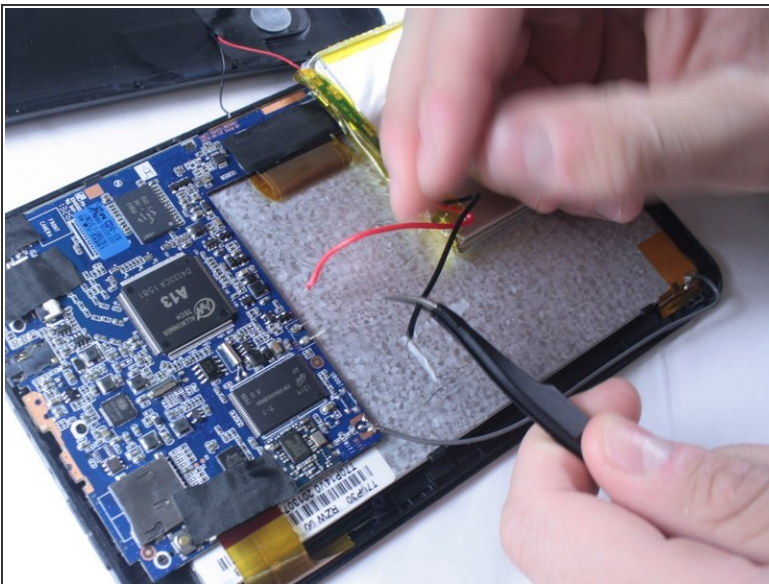
Step 10

- Now you will need to disconnect the red and black leads from the battery to the circuit board.

- This can be done by desoldering the tips using a hot soldering iron tip.
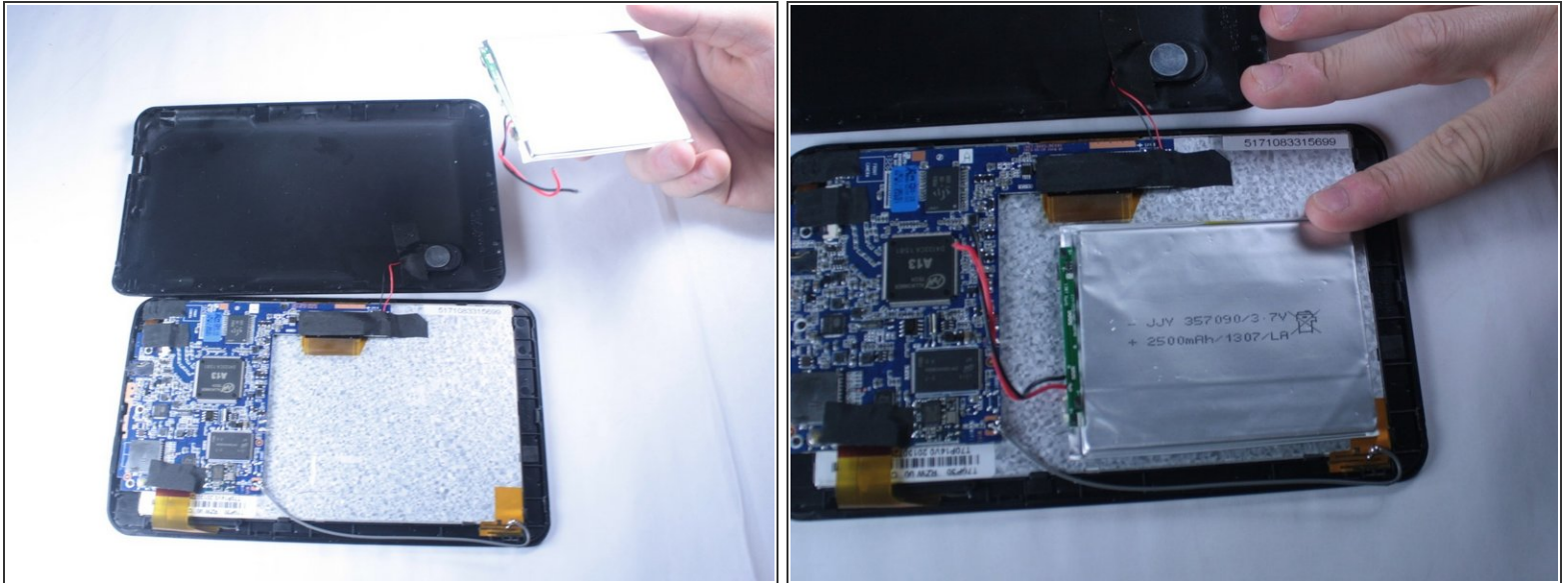
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Step 11

- Apply heat to the solder holding each of the black and red wires to the circuit board while gently pulling with tweezers. When hot enough, the wire should pull away freely from the joint.
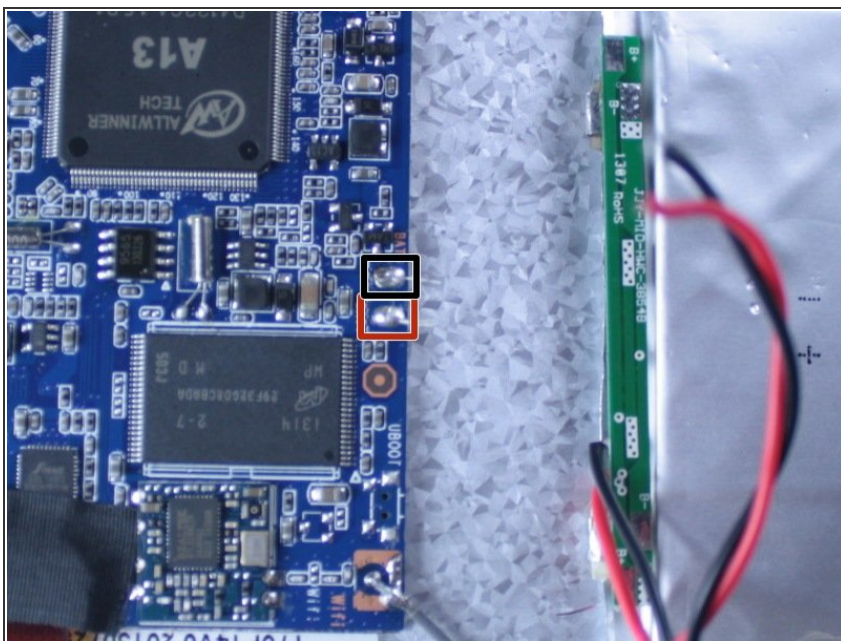
Step 12

- Once disconnected, lift the old battery from the device and remove it.

- You are now left with a space to insert the new replacement battery.
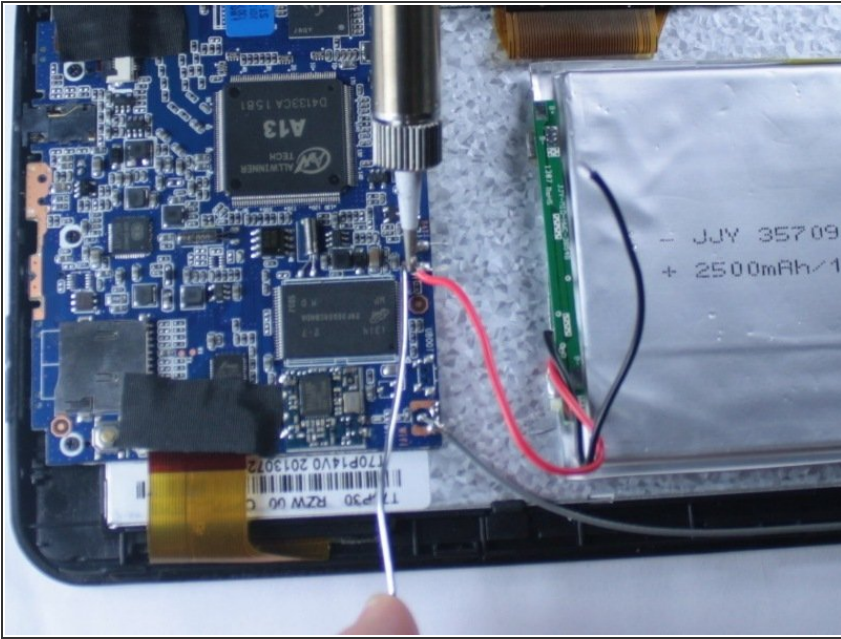
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Step 13

- Obtain your replacement battery.

- Place it centered on the device where the old battery was located.

Step 14

- Find the red and black wires coming from the battery. You will now need to solder the tips back onto the circuit board where you removed the old connections.

- The red wire connects to positive (+) and the black wire connects to negative (-), as shown in the picture.
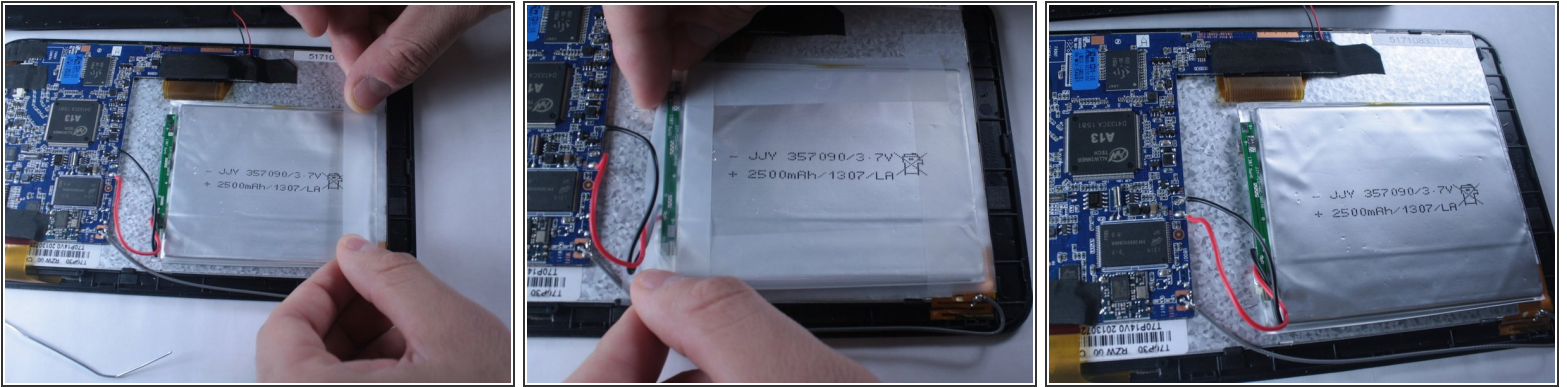
Step 15

- Place the red wire tip on the positive terminal. Hold the solder strand so that it is touching the terminal and tip, and apply heat with the soldering iron until the two fuse together and produce a small amount of smoke.

- Repeat the procedure for the black wire tip to the negative terminal.

Step 16

- Your battery is now soldered to the tablet.

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Step 17

- Finally, use a heat-resistant tape to secure the battery in place to the device. Center the battery in the middle and apply strips of tape until it sits securely mounted to the device.

- Your battery is now connected and secured to your tablet

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