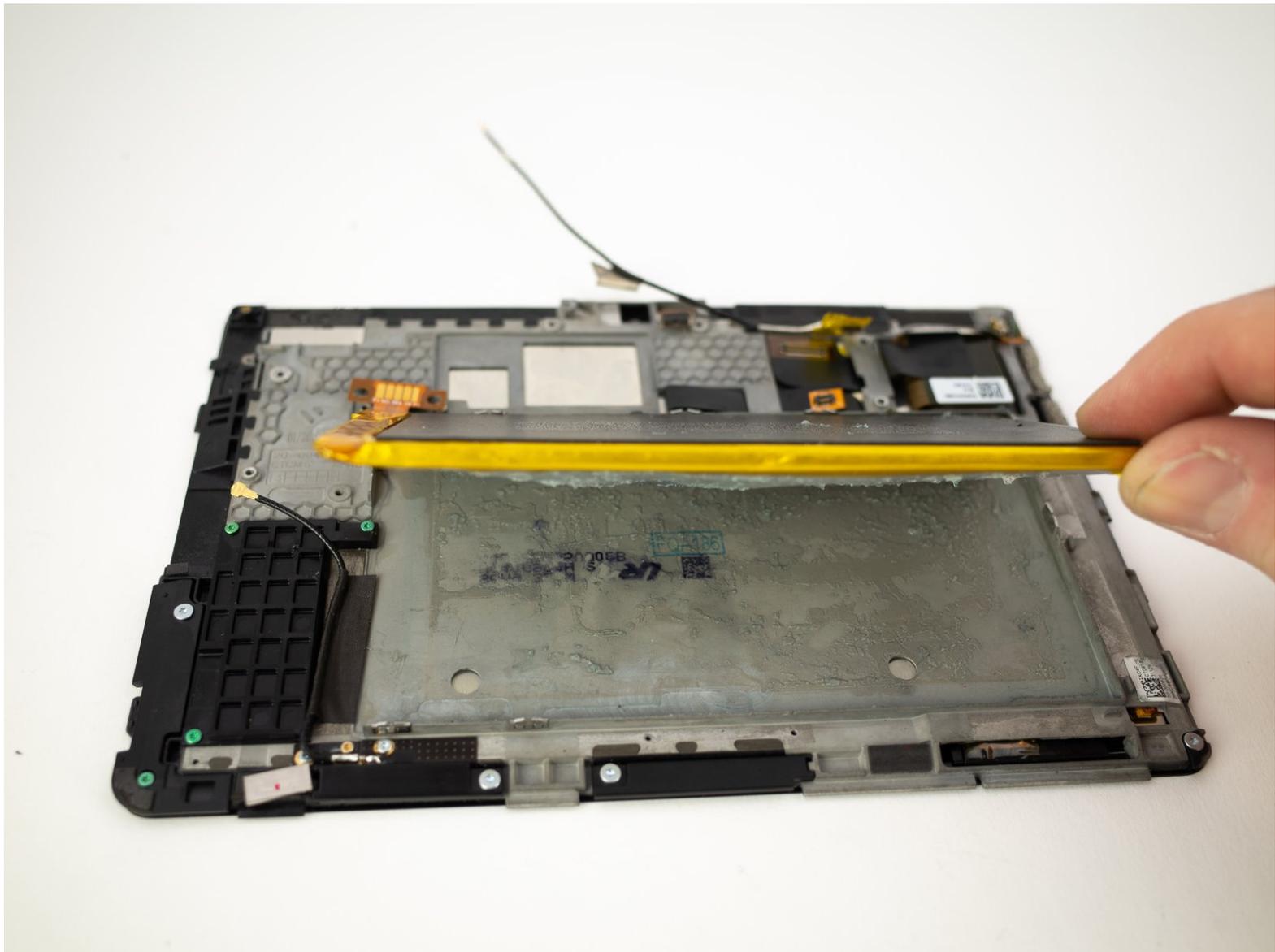




# Kindle Fire HDX 7" Battery Replacement

A free replacement guide on how to replace the battery in a Kindle Fire HDX 7" tablet.

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## INTRODUCTION

Replacement guide for the battery on a Kindle Fire HDX 7" tablet.

The motherboard will have to come out first before the battery can be removed. A strong adhesive is used to glue in the battery and requires slow prying with adhesive remover.



### TOOLS:

- [iFixit Opening Picks set of 6](#) (1)
- [Spudger](#) (1)
- [ESD Safe Tweezers Blunt Nose](#) (1)
- [T3 Torx Screwdriver](#) (1)
- [T5 Torx Screwdriver](#) (1)
- [iFixit Adhesive Remover \(for Battery, Screen, and Glass Adhesive\)](#) (1)



### PARTS:

- [Kindle Fire HDX 7" Battery](#) (1)

## Step 1 — Speaker Bezel



- Insert an opening pick underneath the speaker bezel, and slide it along the perimeter to separate it from the tablet.
- ⓘ The adhesive is strong and may require an [iOpener](#), or heat gun, to soften.

## Step 2



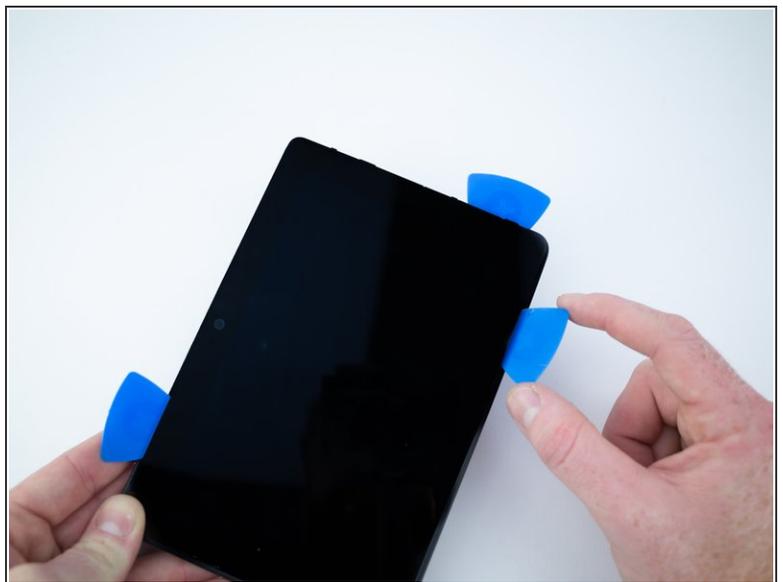
- Remove the speaker bezel.

### Step 3 — Rear Panel



- Remove the six pink 3mm T3 Torx screws from the back case.

### Step 4



- Wedge opening picks around the perimeter between the display and back case.
- Work the opening picks around the perimeter until the two halves disengage from each other.

**⚠** Don't completely separate as the display ribbon cable still connects the two.

## Step 5



- Use the flat end of a spudger to pry up and disconnect the rear panel press-fit connector from the motherboard.

## Step 6



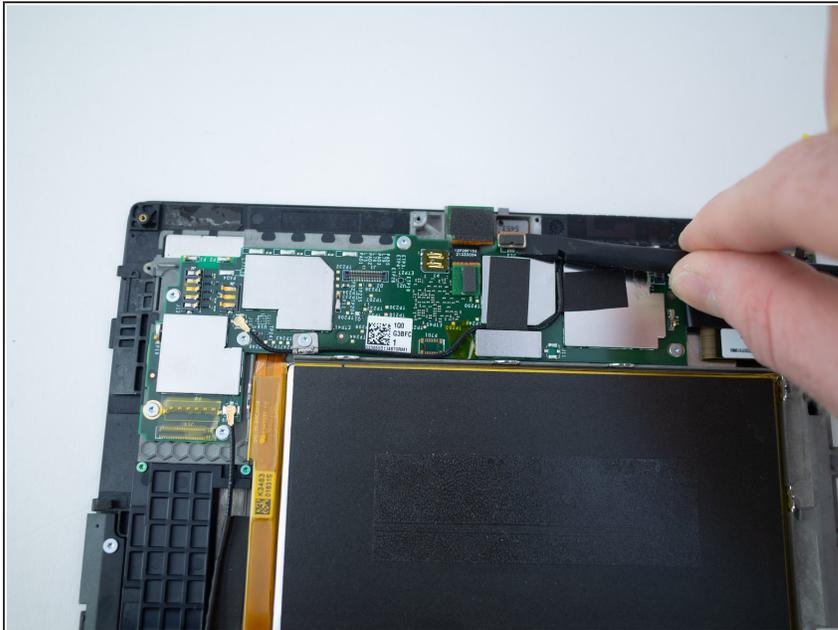
- There may be a glue strip between the battery and the outside case. Gently pry the case open and use the flat end of a spudger to separate the glue strip.

## Step 7 — Motherboard



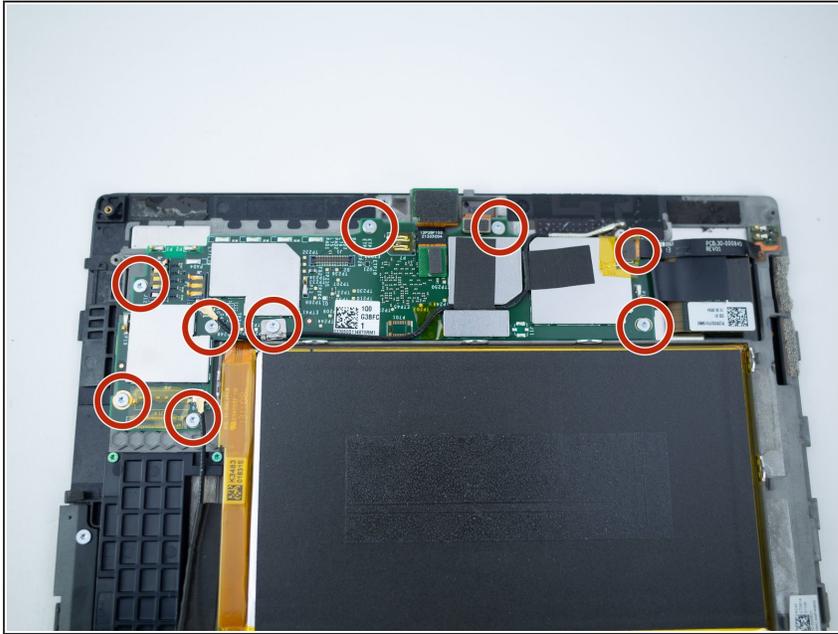
- Grab the yellow tape with a pair of tweezers and pull upwards to disconnect the press-fit connector.

## Step 8



- Use the flat end of a spudger to disconnect the front camera press-fit connector from the motherboard.

## Step 9



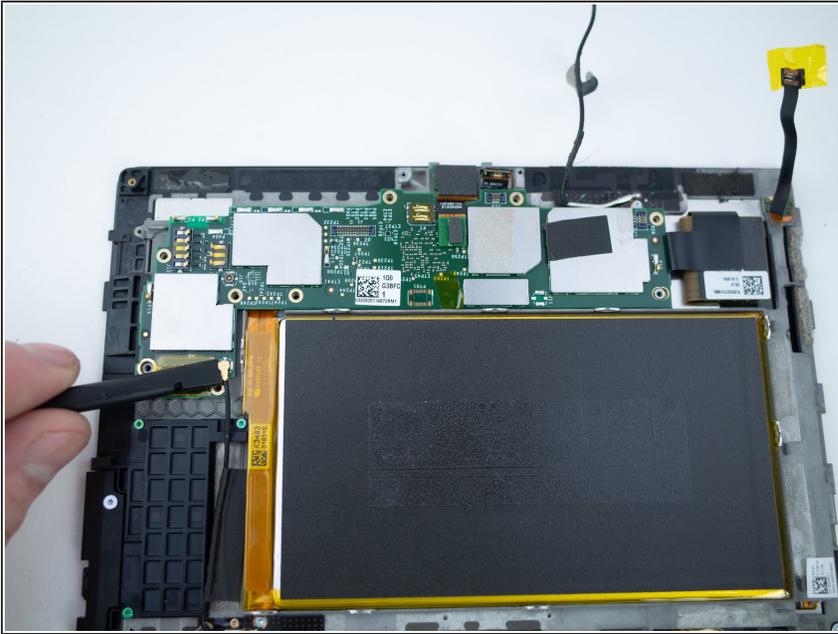
- Remove the nine 3mm T6 Torx screws from the motherboard.

## Step 10



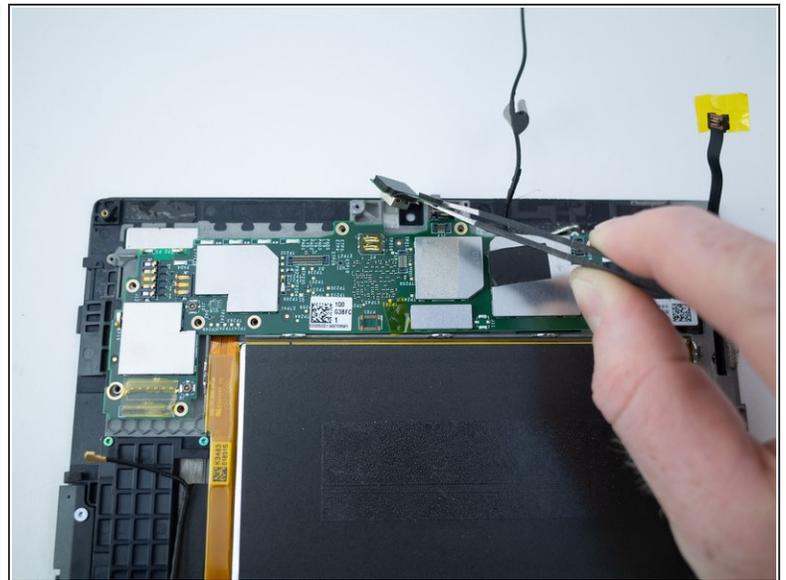
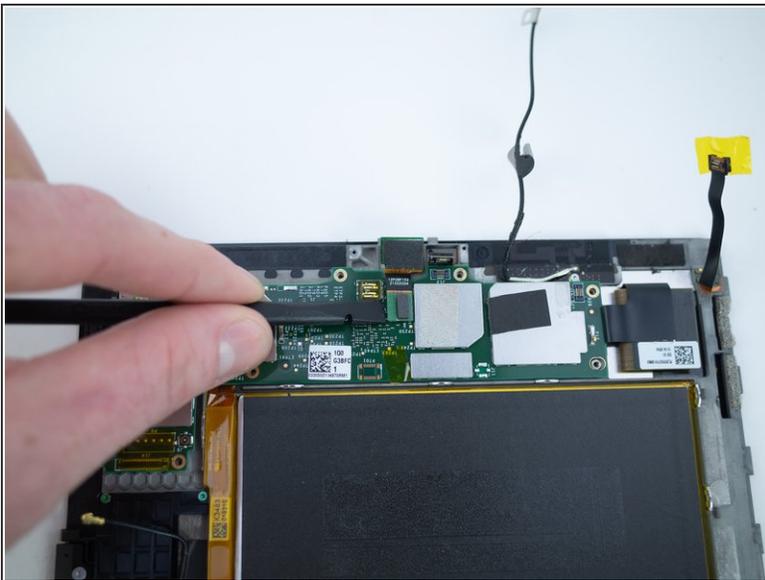
- Use a spudger to pry up and disconnect the antenna cable from the motherboard.
- Pull the antenna cable up and off of the motherboard.
- ⚠ Don't remove completely as it's soldered to the frame.

## Step 11



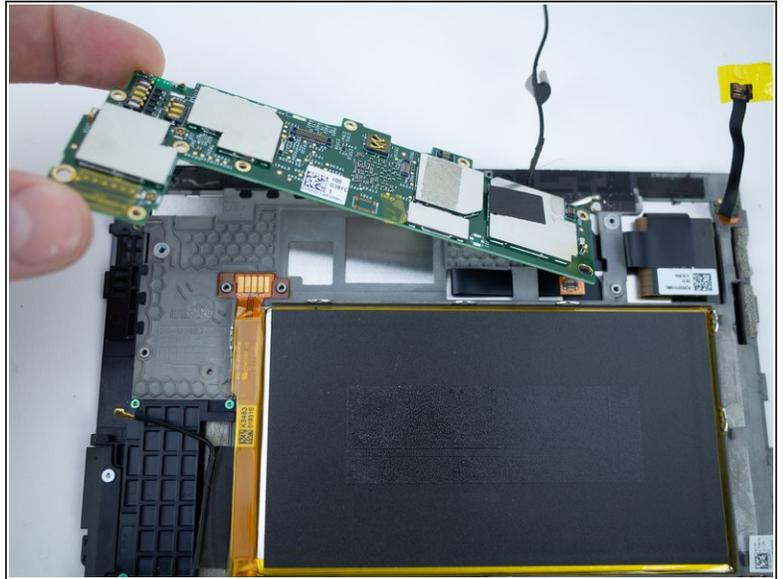
- Use a spudger to disconnect the second antenna cable from the motherboard.

## Step 12



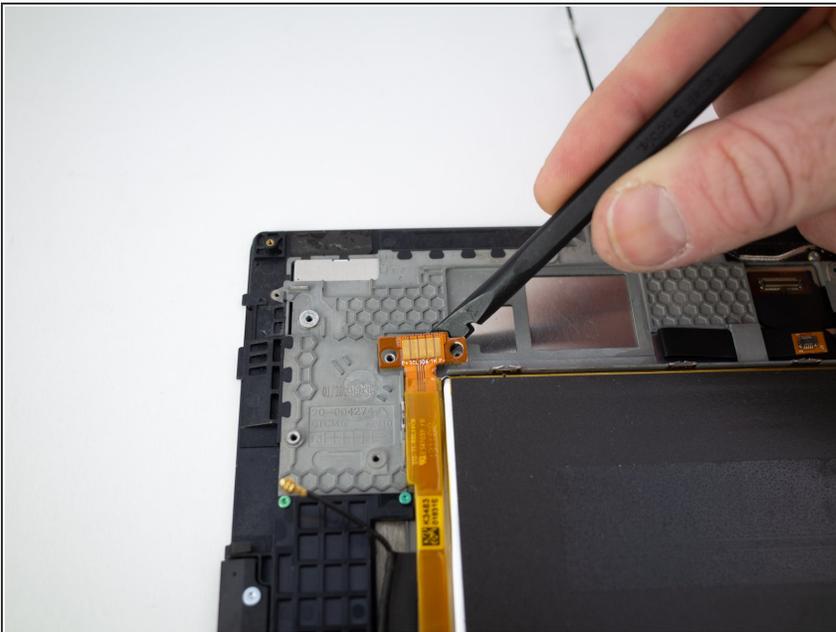
- Use the flat end of a spudger to pry up and disconnect the front camera press-fit connector from the motherboard.
- Remove the front camera.

## Step 13



- Remove the motherboard from the tablet.

## Step 14 — Battery



- Pry up the battery connector with the flat end of a spudger.

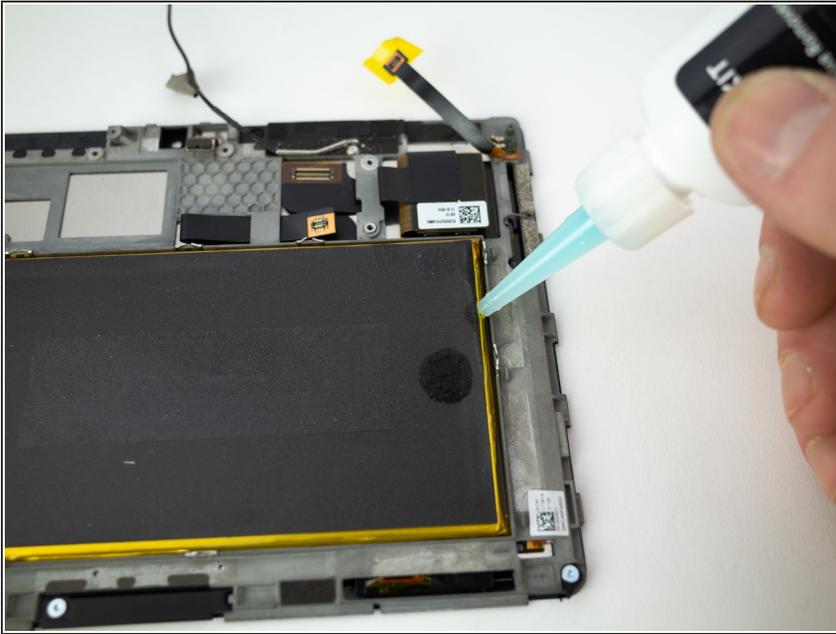
## Step 15



 iFixit adhesive remover contains acetone, a mild skin and eye irritant.

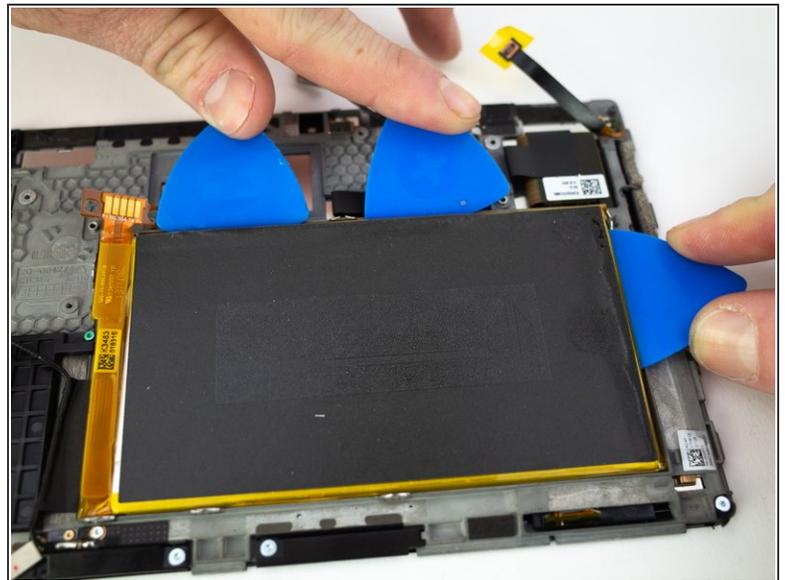
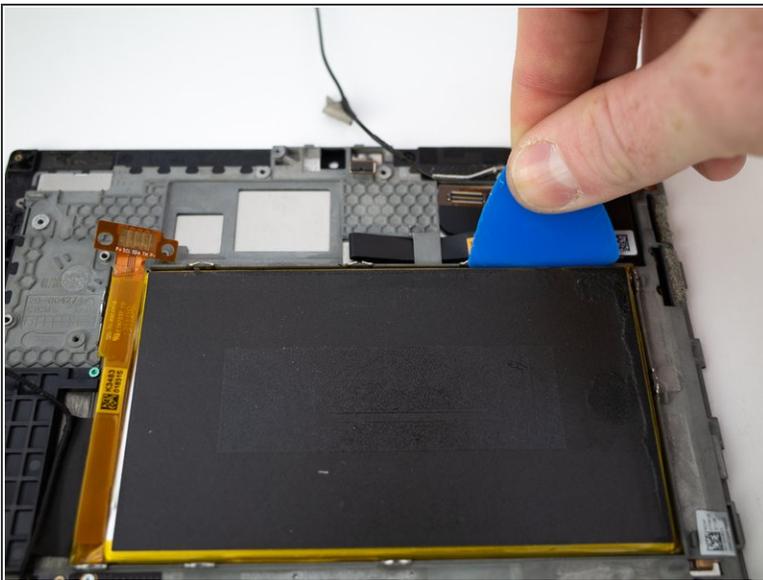
- Wear eye protection when handling and applying the adhesive remover. (Eye protection is included in your kit.)
- **Do not** wear contact lenses without eye protection.
- Protective gloves are also included in your kit. If you are concerned about possible skin irritation, put your gloves on now.

## Step 16



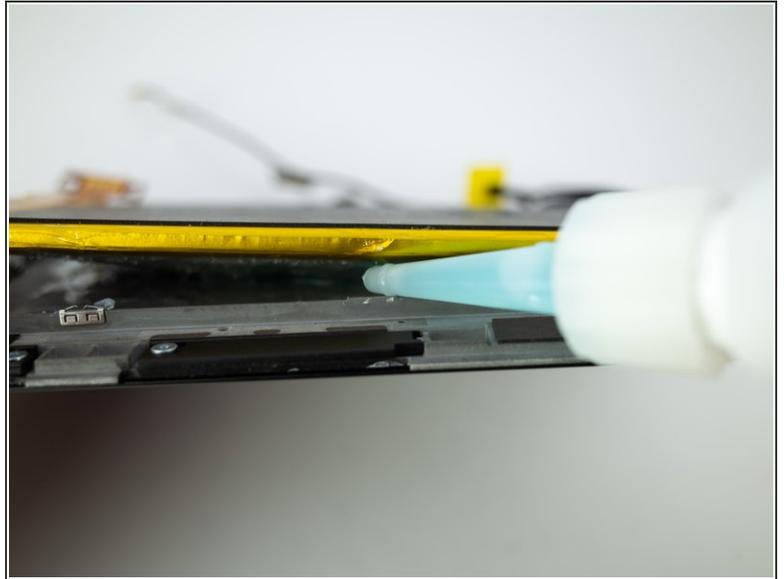
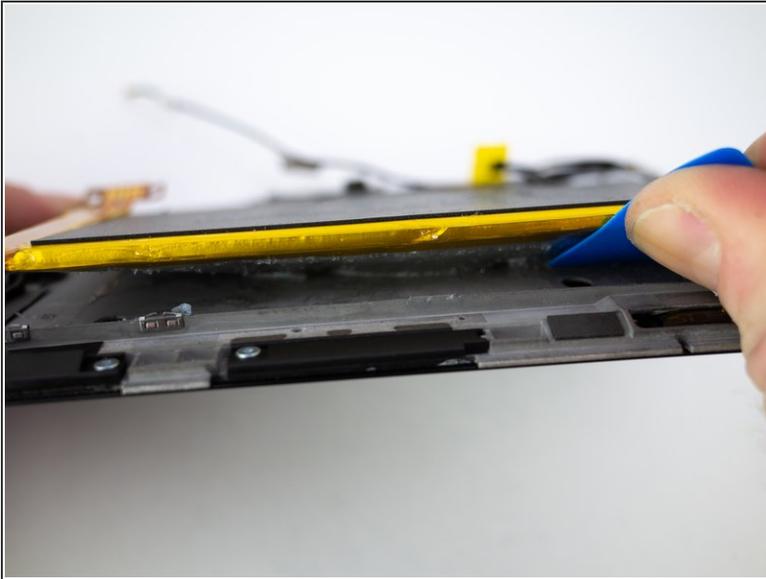
- Apply a small amount of adhesive remover (approximately 1 ml) evenly along the elevated edge of the battery cell.
- Wait 2-3 minutes for the liquid adhesive remover to penetrate underneath the battery cell before you proceed to the next step.

## Step 17



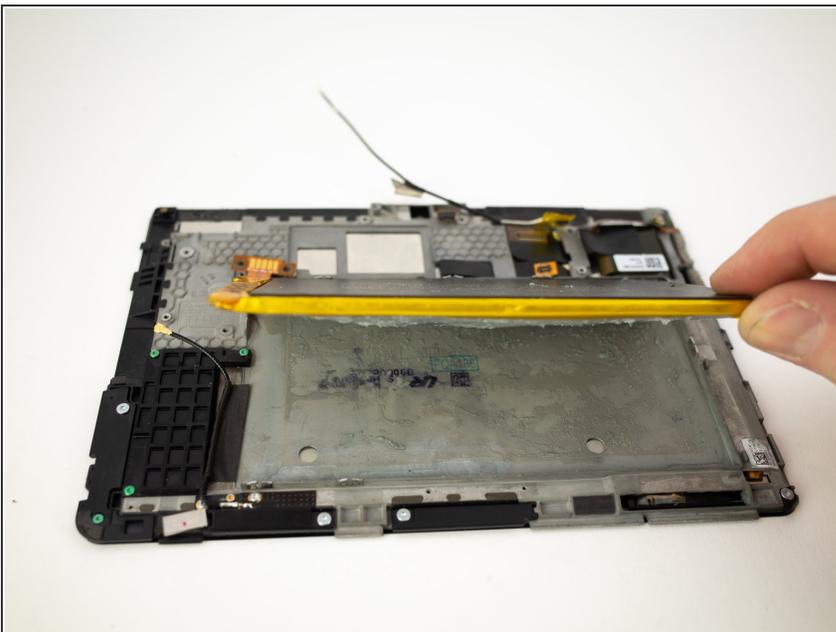
- Slide a few opening picks between the battery and the raised metal edge.
- Pry upwards to lift the battery up.
- ⓘ Step 15 may need to be repeated a few times to weaken the glue.

## Step 18



- Apply a small amount of adhesive remover (approximately 1 ml) underneath the battery and wait 2-3 minutes for it to penetrate.
  - ⓘ You may need to repeat this a few times.
- Continue prying up the battery.

## Step 19



- Remove the battery from the mid-frame.

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