



# Microsoft Surface Laptop 3 13.5" LCD Assembly Replacement

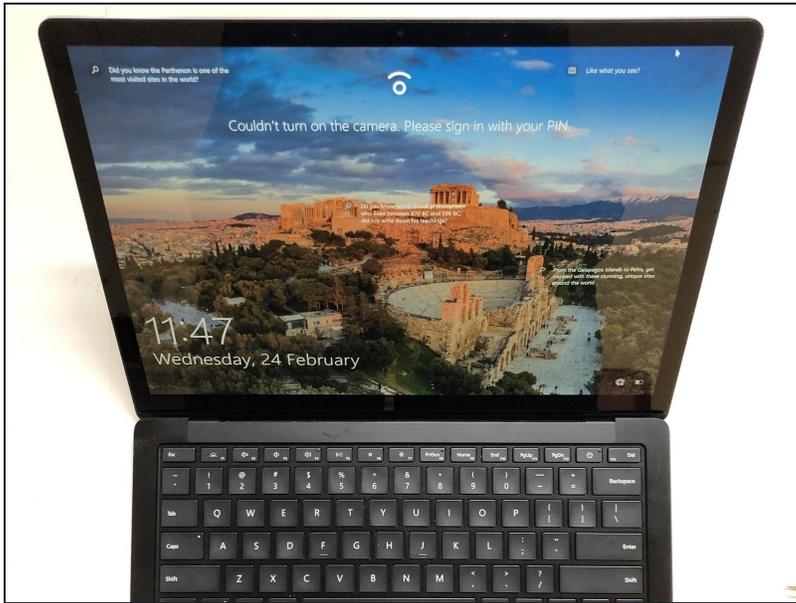
Written By: Eric



## PARTS:

### Surface Laptop 3 13.5" Screen (1)

#### Step 1 — LCD Assembly



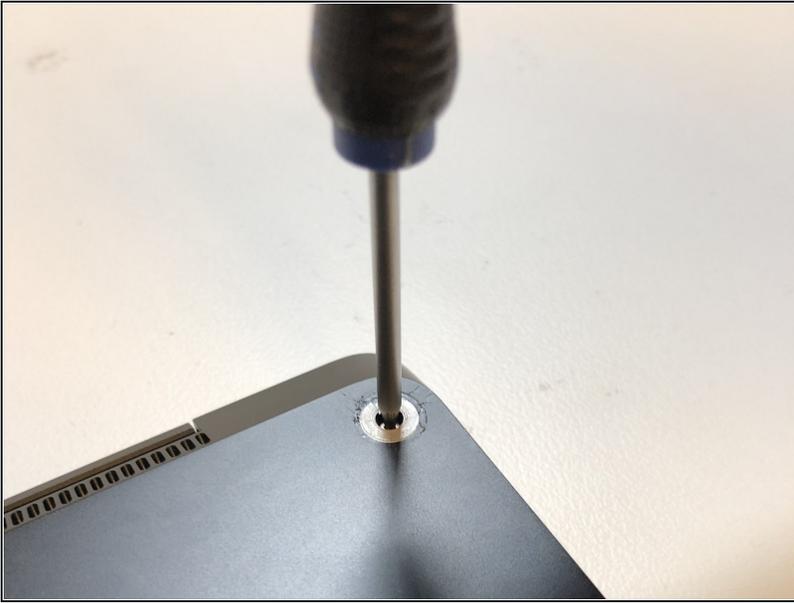
- It's far easier than any other Surface device.

#### Step 2



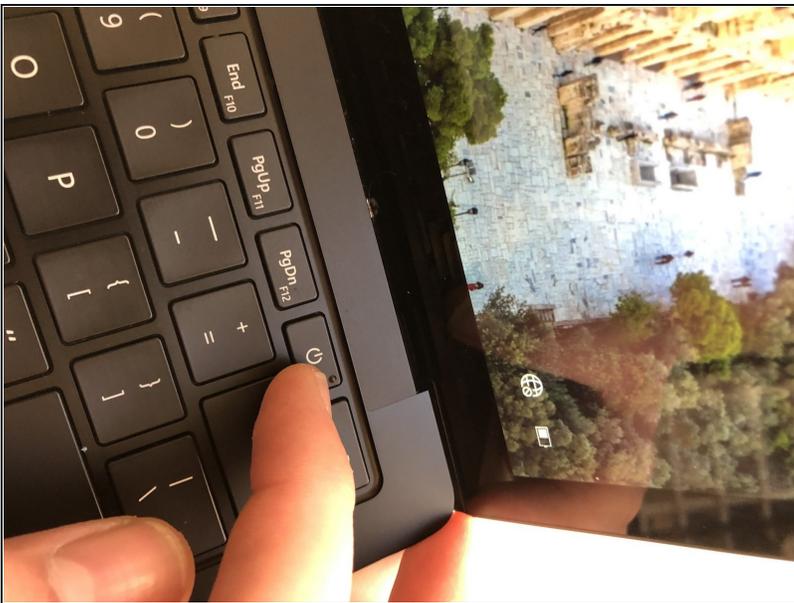
- From the bottom, carefully pry up the rubber feet on all 4 corners.

### Step 3



- Using a T5 screwdriver remove the 4 screws on each corner.

### Step 4



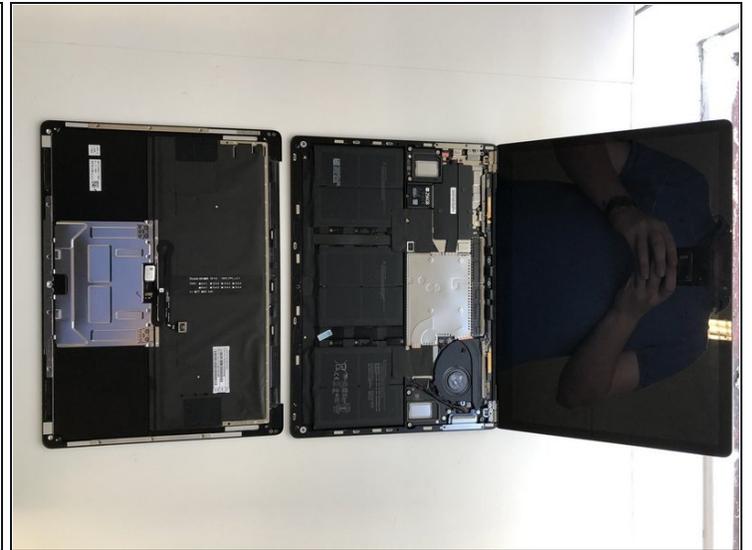
- Make sure the device is completely turned off before proceeding.

## Step 5



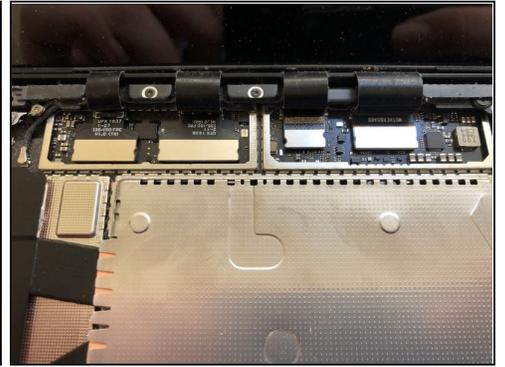
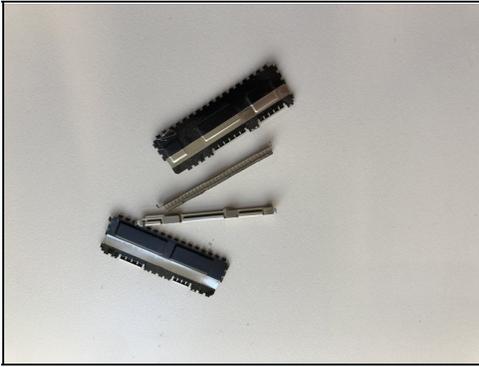
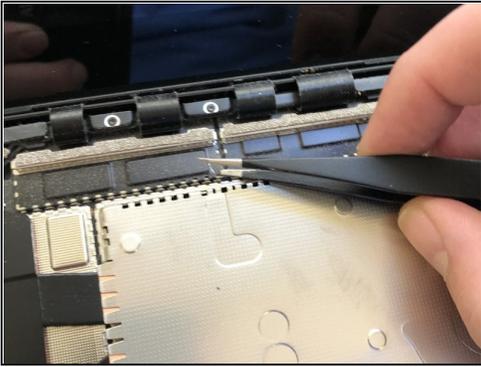
- With the screen open, lift the keyboard out. It doesn't take much force as the part is only held in with magnets once the screws are removed.

## Step 6



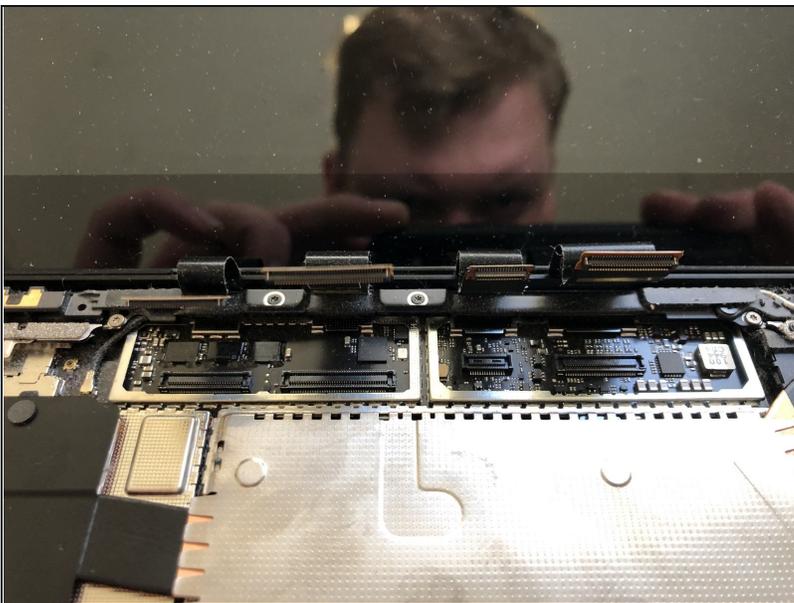
- Invert the keyboard on itself and remove the unshielded keyboard assembly connector.

## Step 7



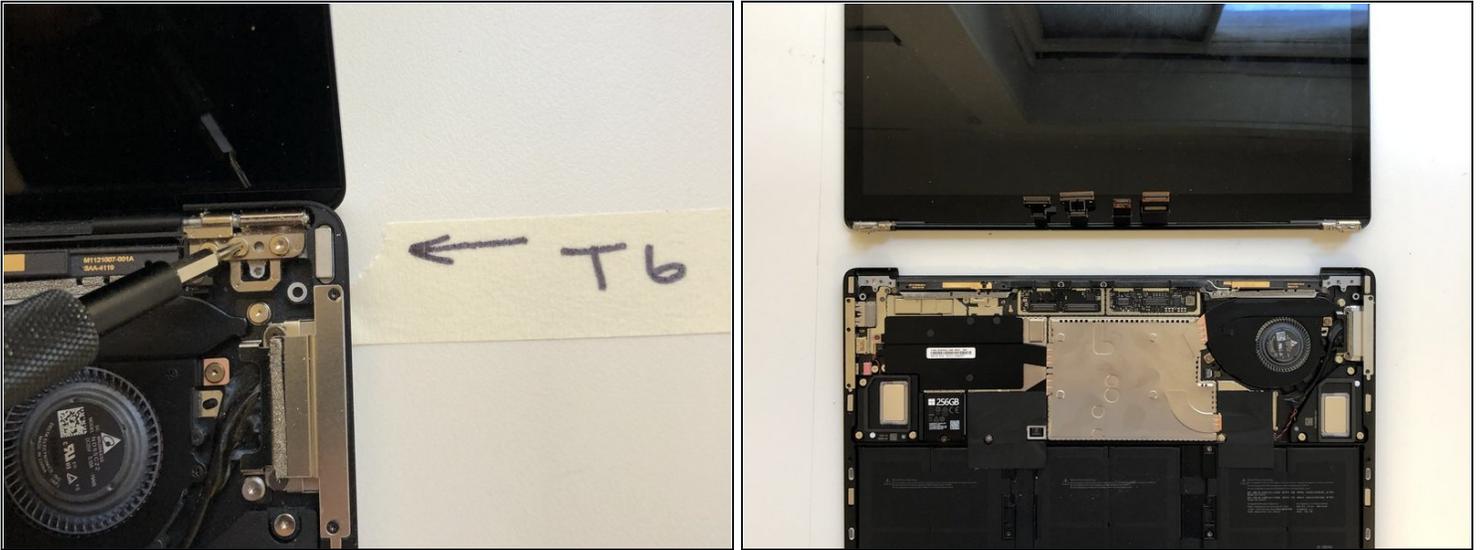
- Remove the clip-on shields for the display assembly.

## Step 8



- Unclip the connectors. They are pretty tight so I'd suggest using a spudger or 2.

## Step 9



- Using a T6 screwdriver, remove the 6 screws holding in the display.

## Step 10



- Lay the display on a heating pad being careful of the connectors. A heat gun would work too.
- I used 60 Degrees C for around 15 minutes.

## Step 11



- Use a metal card to get in between the glass and the housing. Swap to a [plastic card](#) to cut through the rest of the adhesive.

## Step 12



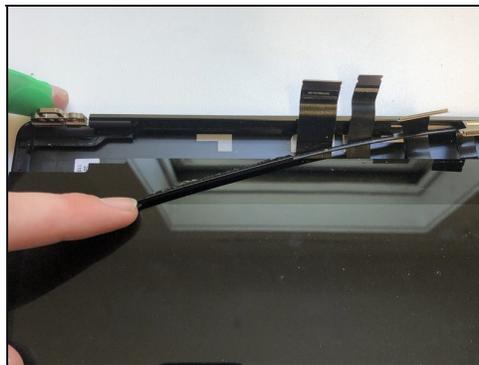
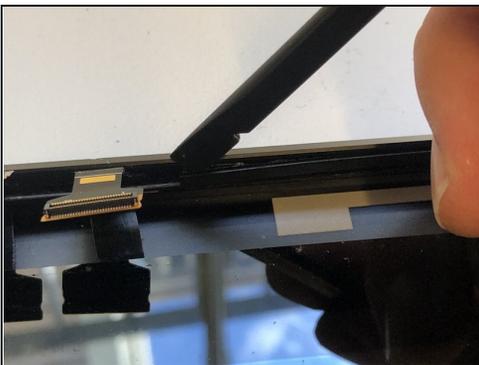
- Watch out for the Sensors up the top. If you damage these the device will fail to turn on. It basically bricks completely without the sensors.

## Step 13



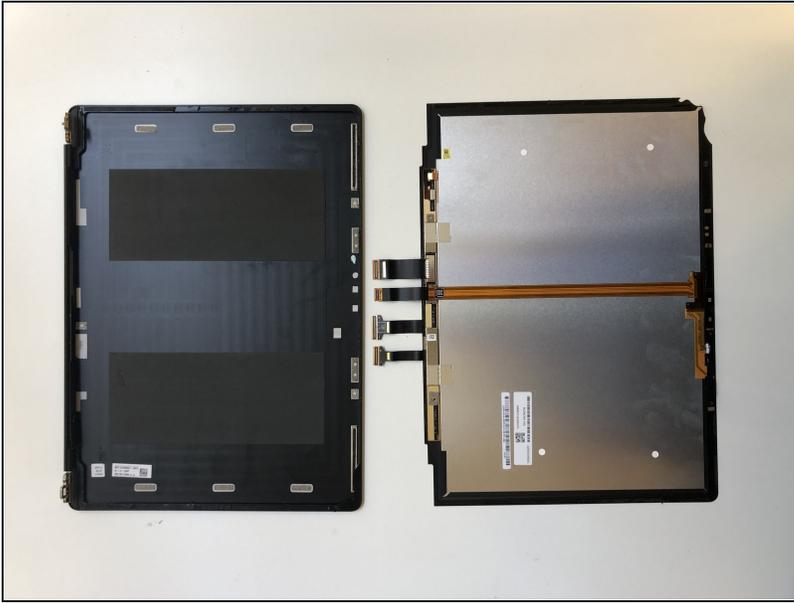
- Heat up the bottom of the display and horizontally pull the screen out. Try to leave the bottom adhesive intact as we are going to be using this later.

## Step 14



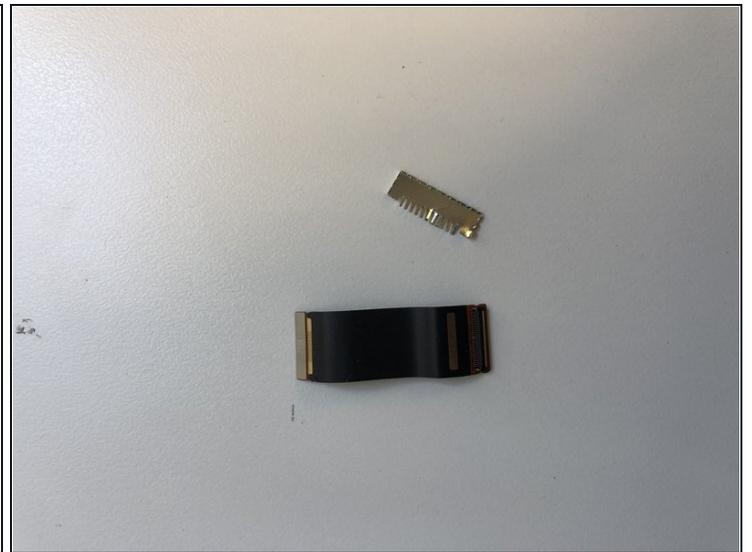
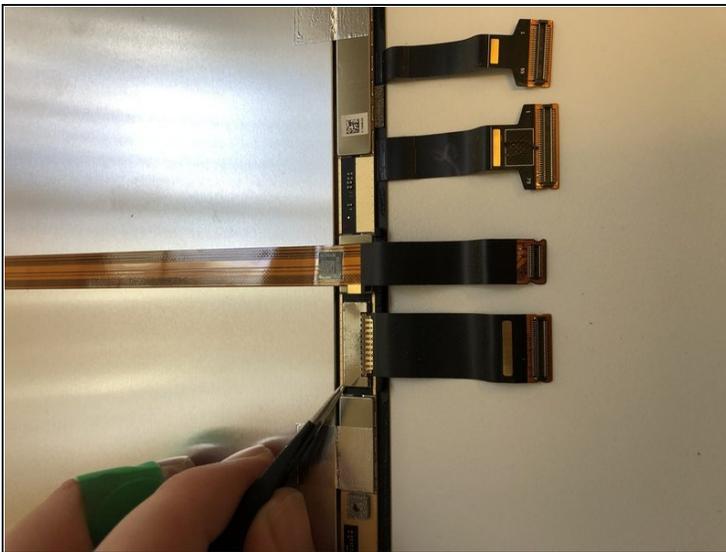
- Remove one side of the plastic bar holding the cables in place. Slide the display out leaving the plastic bar intact.

## Step 15



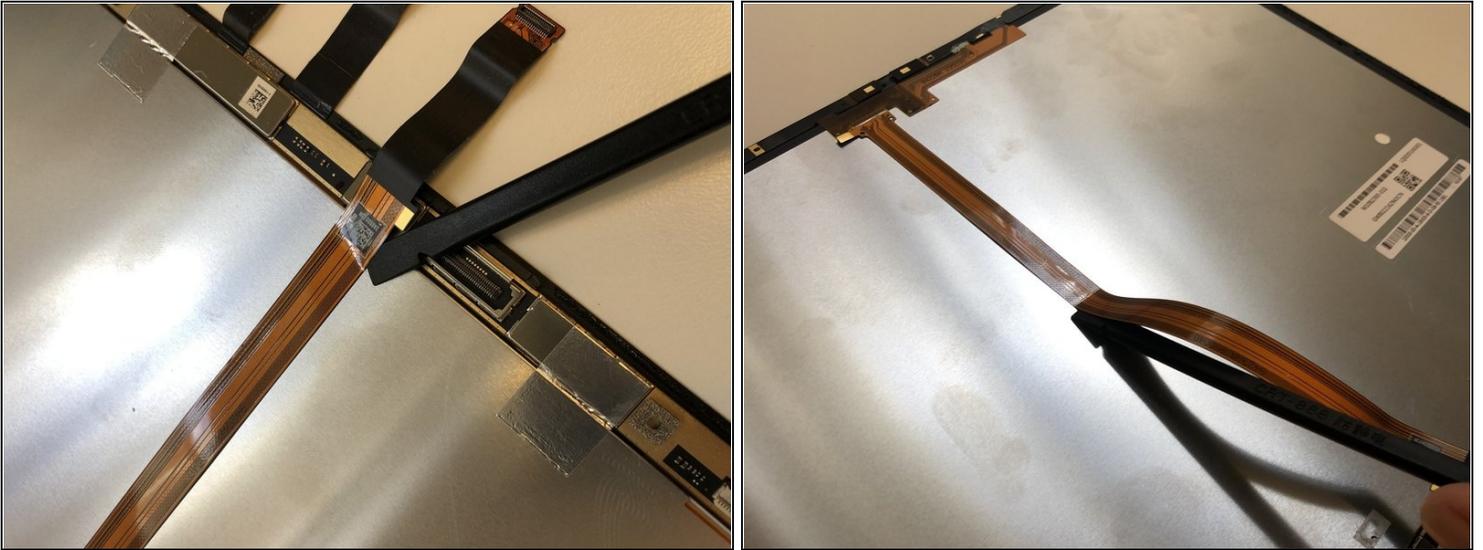
- Screen off. Time to move on.

## Step 16



- Remove the snap-on shield and cable. We will need this later.

## Step 17



- CAREFULLY loosen the sensor cable on the back of the display.

## Step 18



- Heat the area around the sensors from the front. The adhesive here isn't very strong so you don't need loads of heat.

## Step 19



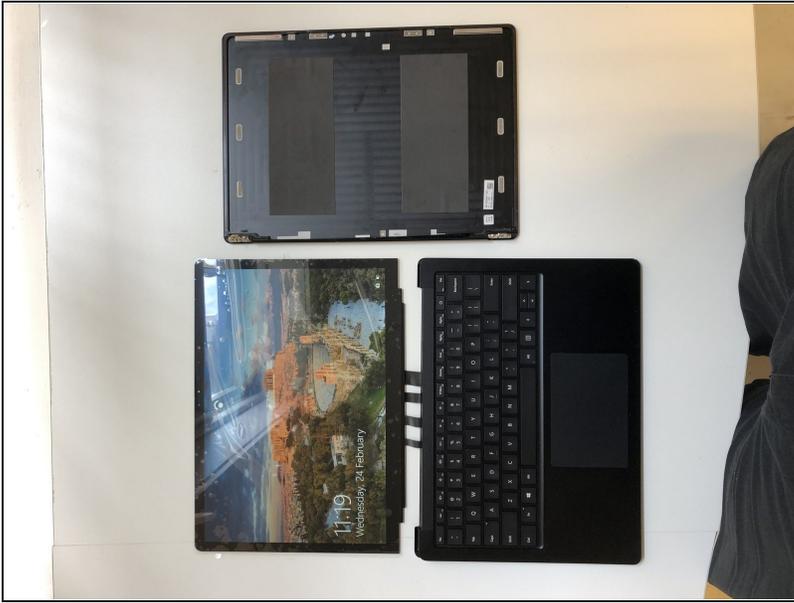
- Remove the old adhesive and make sure it's clean. You really don't want to be removing this screen once it's set down.

## Step 20



- Install the new adhesive. Remove any large clumps on the bottom. We left the old stuff down there as it's a bit awkward to get to cleaning and reapplying-wise.

## Step 21



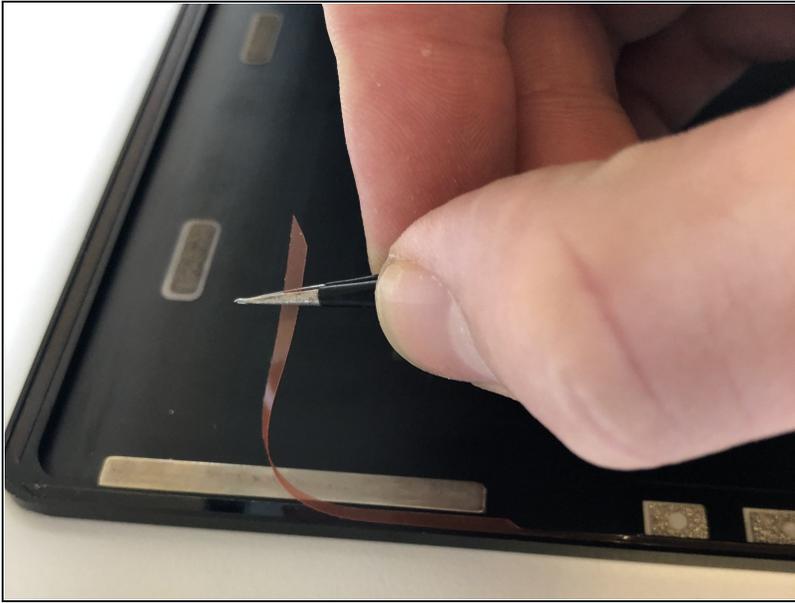
- Test the new screen. Make sure you connect the sensors or it won't start or respond at all.

## Step 22



- Slide the cable back under the plastic bar and set it back in place. Lightly pull the cables to make sure there's no slack internally.

## Step 23



- Remove the plastic layer on top of your adhesive and set the screen into the housing. You need to push the screen in quite a bit at the bottom to make it sit correctly.

## Step 24



- Place the assembly in then screw it in. Connect the cables and replace the shields.

## Step 25



- Install the screws and feet and you're done!

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Let me know how you got on. I think we can all agree this was much easier than a Book 1... lot less nerve-racking too.