

iPad Pro 12.9"

Wifi Only
Screen Replacement

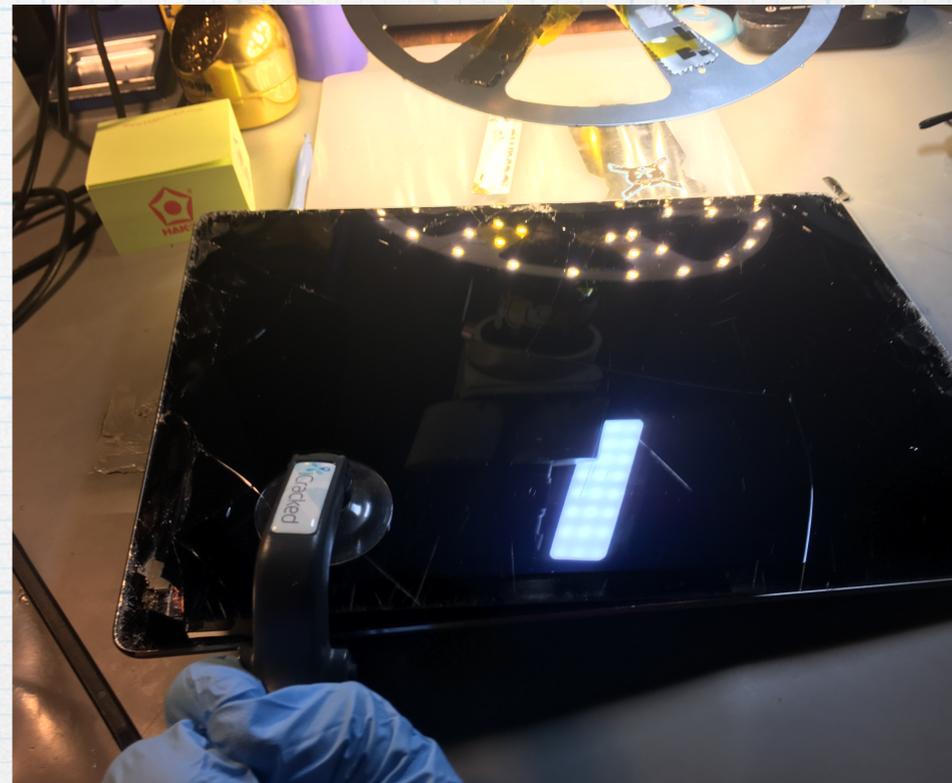
Step 1

- * Heat for 10 minutes on rear then 10 minutes on the front at 65c



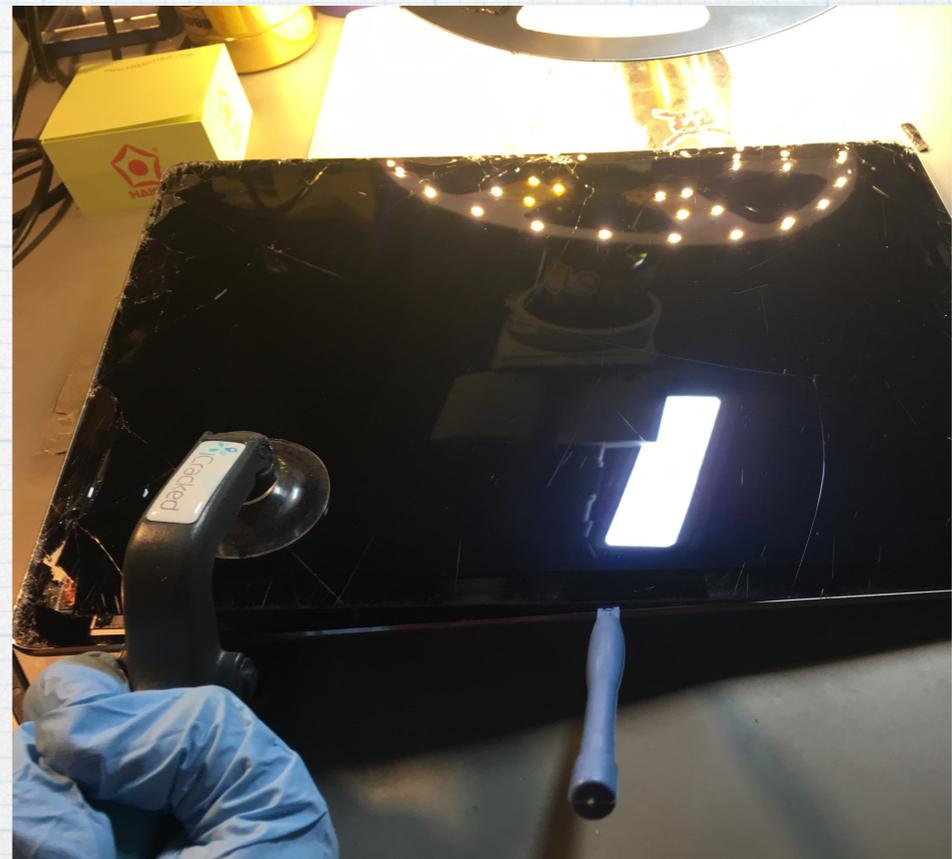
Step 2

- * With iSclack start at one of the top corners to gently lift the display



Step 3

- * Then use a guitar pick or a plastic pry tool to carefully loosen the adhesive.





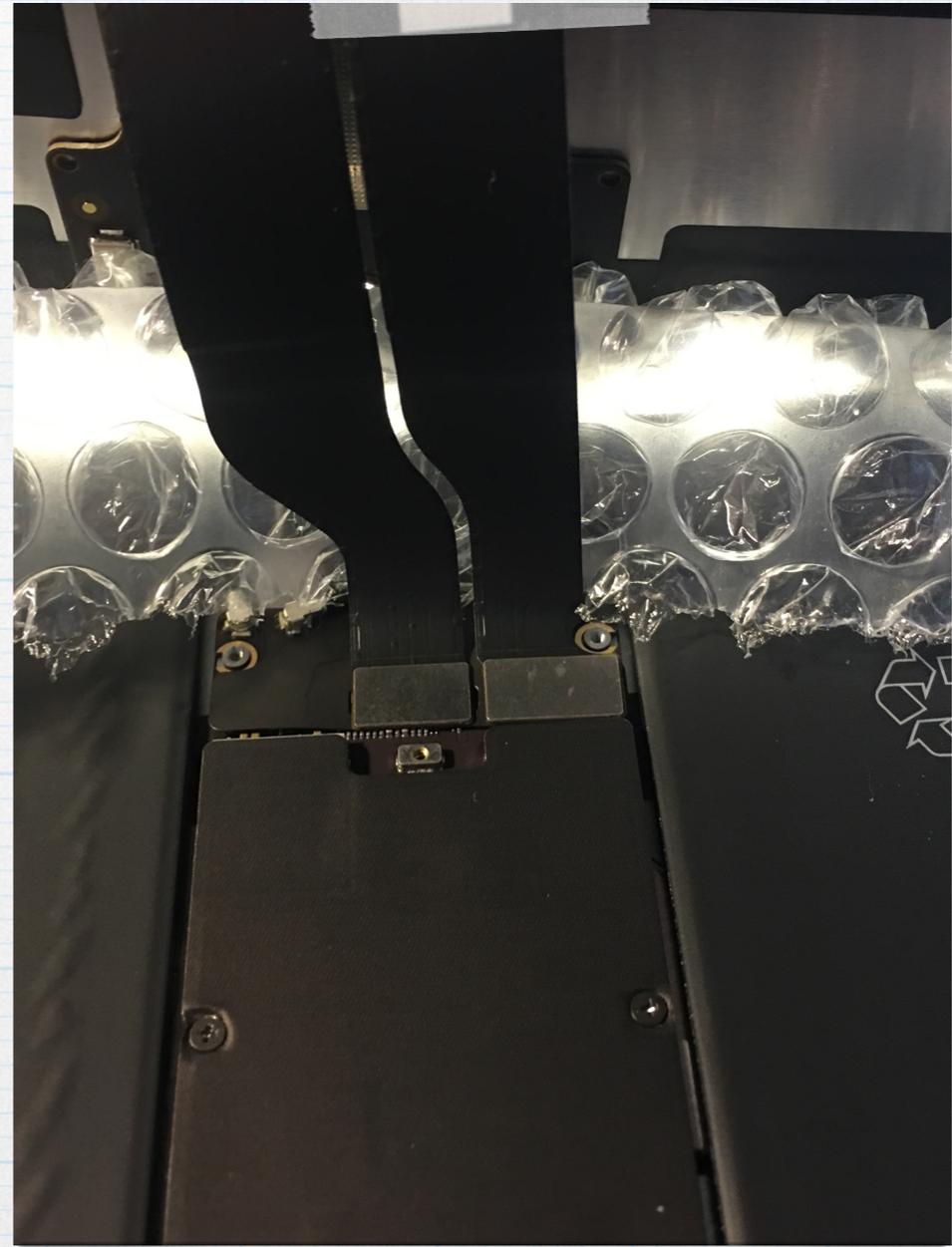
Step 4

- * Gently lift the screen and hold at less than a 90 degree angle.
- * If the screen is badly cracked lay some padding down between the screen and the frame to prevent battery puncture. (See photo to the right)



Step 5

- * Remove the 3 Philips head screws holding the digi/LCD connector retaining plate in place



Step 6

- * With a nylon spudger disconnect the LCD and Digitizer connectors from the short side only



Step 7

- * Remove display and clean frame in preparation for re assembly



Step 8

- * Disconnect the upper left FPC on the control board located on the rear of the LCD assembly



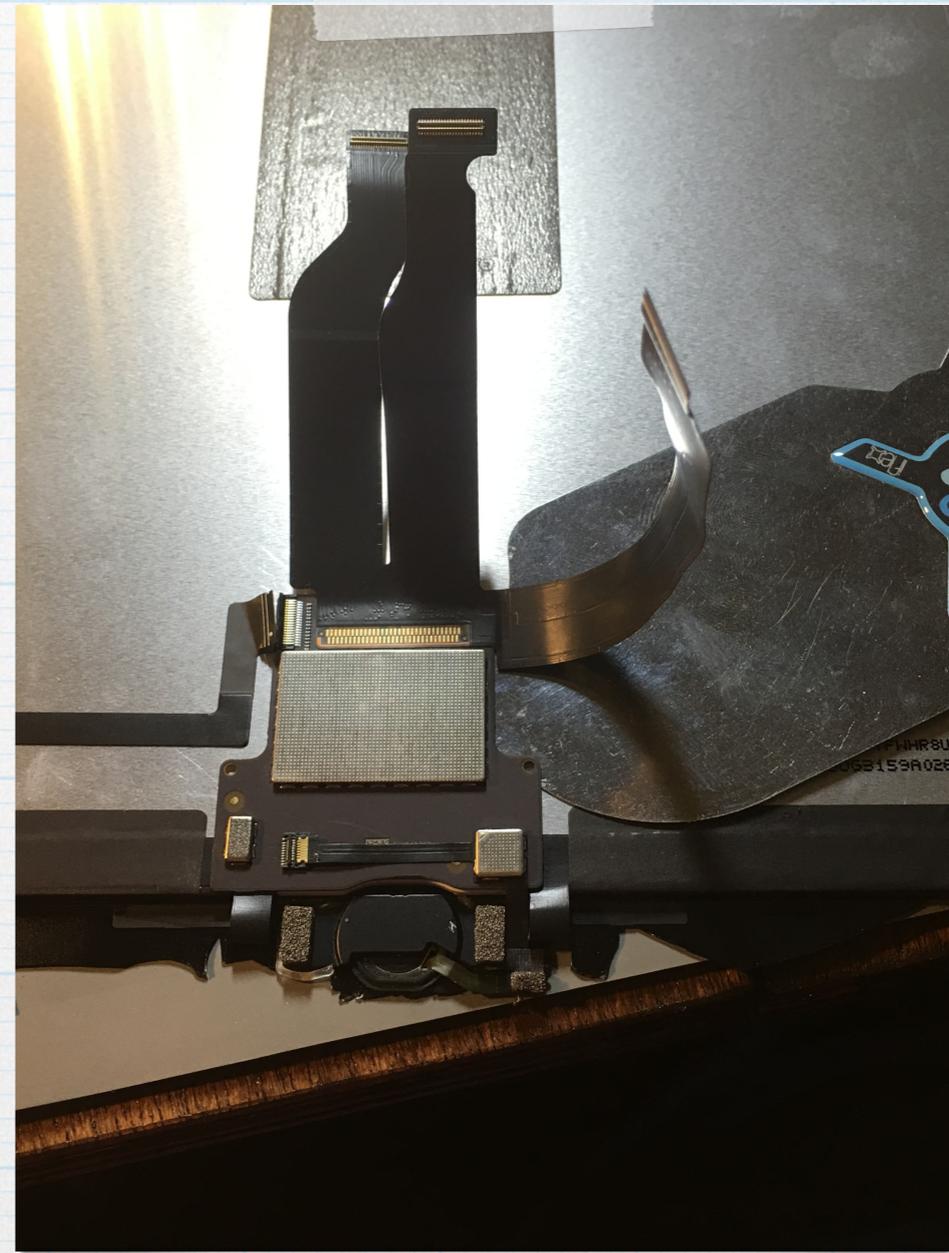
Step 9

- * Disconnect the right LCD FPC from the assembly



Step 10

- * Heat the front of the display with hot air or return the display to the heating plate for a few minutes. This will help loosen the adhesive holding the control board in place.
- * Gently insert the iFlex under the control board.
- * **BE CAREFUL** as it is easy to tear the home button cable attached to the control board



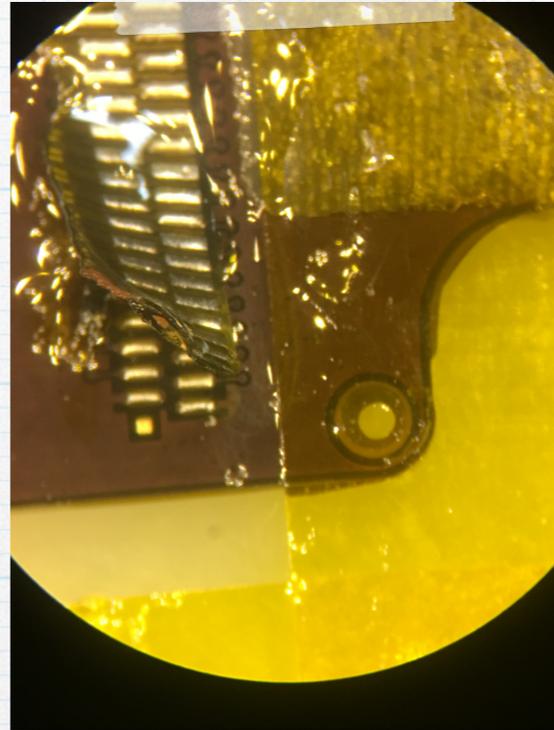
Step 11

- * Remove the tapes along the bottom edge of the display
- * Gently lay the control board beneath the display assembly



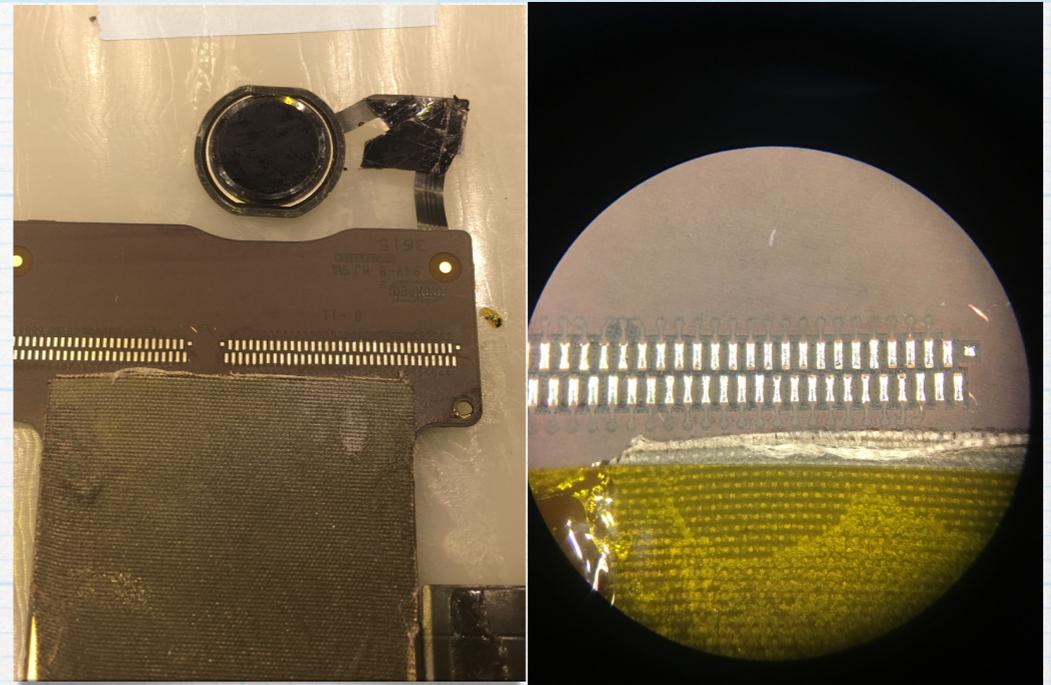
Step 13

- * Desolder the control board from the display assembly



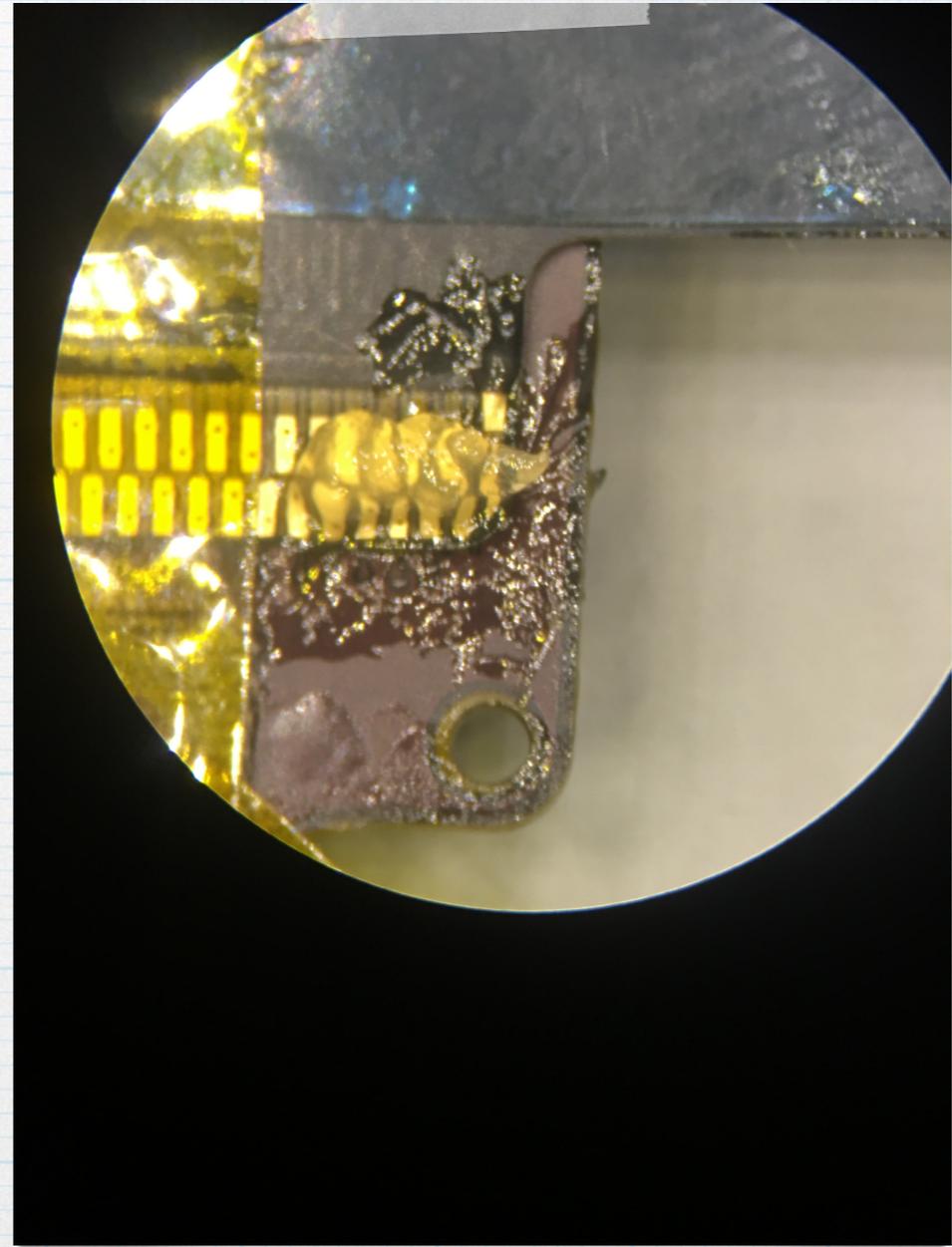
Step 14

- * Clean up old solder on control board and remove flux
- * Re tin the pads in preparation for soldering the control board to the new assembly



Step 15

- * Align the control board onto the new display assembly flex cables
- * Solder the connections between the control board and the display assembly



Step 16

- * Reconnect the LCD and digitizer flexes on the new display



Step 17

- * Gently reconnect the display assembly to the logic board to test functionality





Step 18

- * Disconnect screen after testing functionality
- * Use a small dab of a non cyanoacrylate glue on the backside of the control board to keep it in place on the new assembly



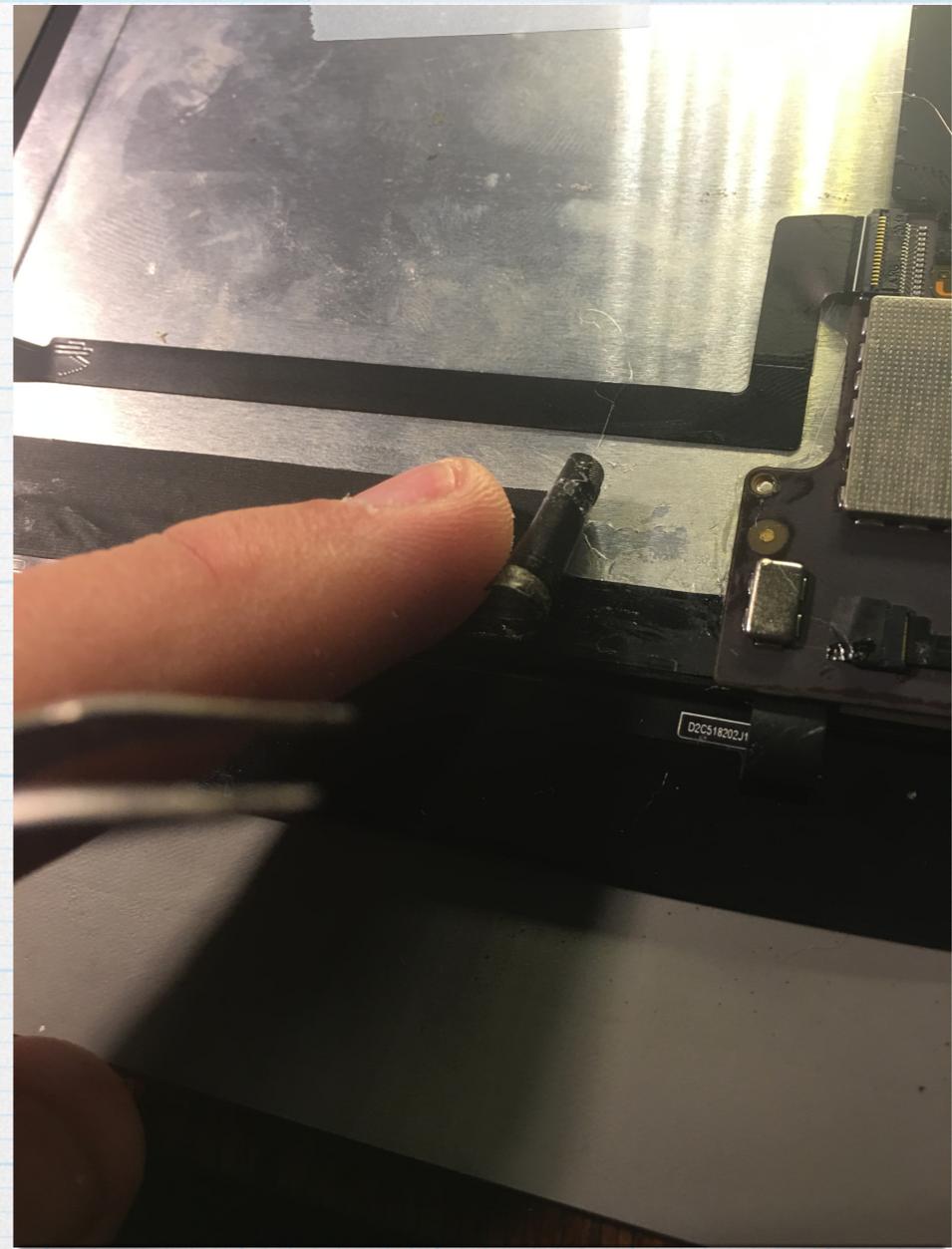
Step 19

- * Remove adhesive backing on the LCD/digi flex and the home button flex cables



Step 20

- * Replace Kapton tapes for the connections and flex cables along the bottom edge of the display assembly



Step 21

- * Insert home button into place and use a small drop of a non cyanoacrylate glue on either side of the home button bracket
- * Be sure to align the bracket where the cutout for the home button cable is resting just above the home button cable (see photo)



Step 22

- * Clamp both sides of the home button to ensure a good bond.
- * Place a hefty object on top of the control board to allow the adhesive to bond to the display assembly.
- * NOTE you do NOT want to crush the control board so some bubble wrap or padding would be wise.



Step 24

* Remove adhesive backing



Step 25

- * Reconnect the LCD/
Digitizer and home button
cables to the logic board.
- * NOTE holding the screen
and trying to attach the
cables can be difficult.
Take caution when
reconnecting.



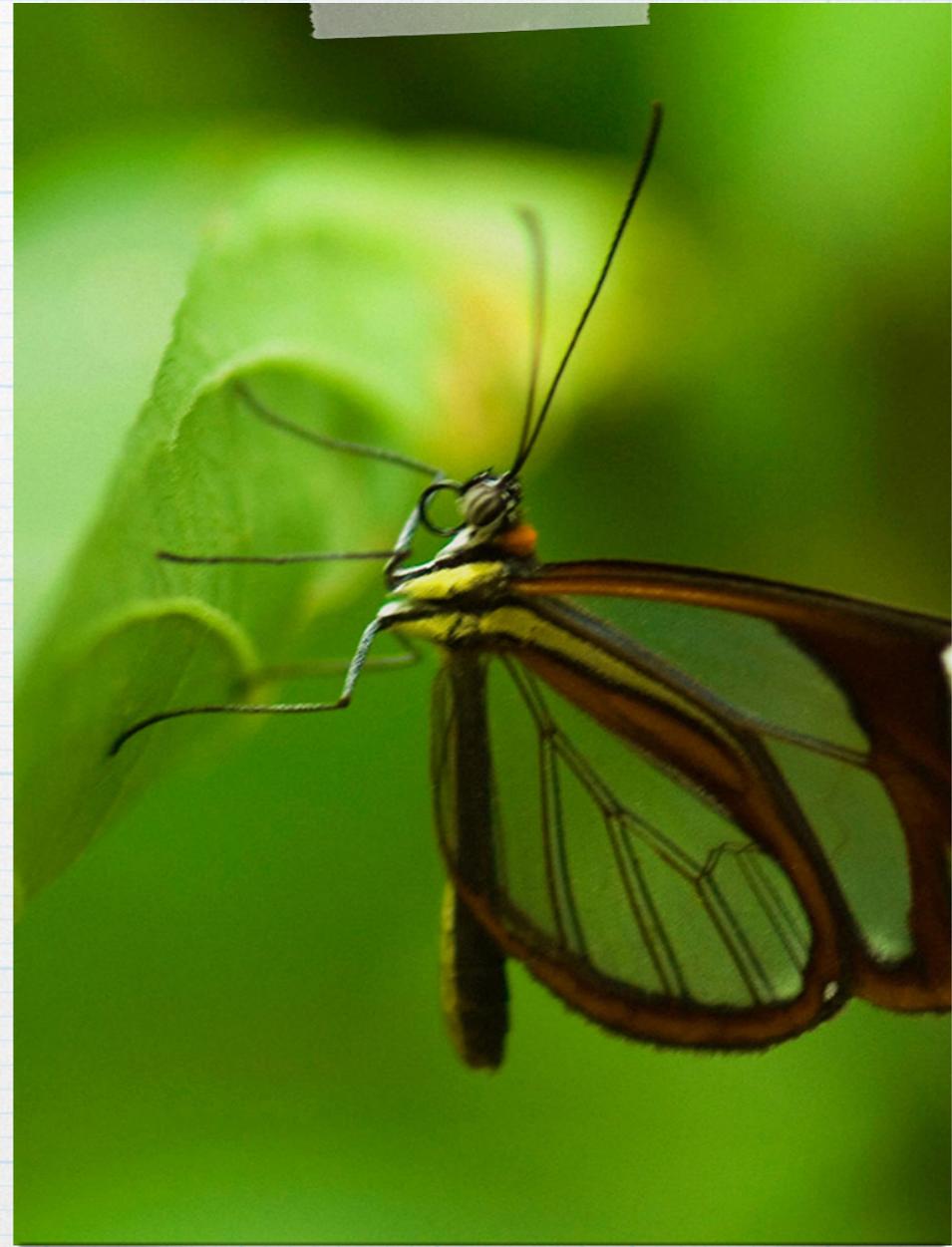
Step 26

- * Install EMI shield over the LCD/Digi connections with the 3 screws



Step 27

- * Install the front facing camera centering ring onto the camera



Step 28

- * Gently lay the screen in place and ensure the screen is sealed



Step 28

- * Heat the iPad to the adhesives recommended bonding temperature (if required)
- * The clamp the iPad or place the iPad face down on something padded and weigh it down with a heavy object.



Step 29

- * Let rest until cool or ideally overnight
- * Test all functions of the iPad

Credits

- * This presentation was created by
Spencer White