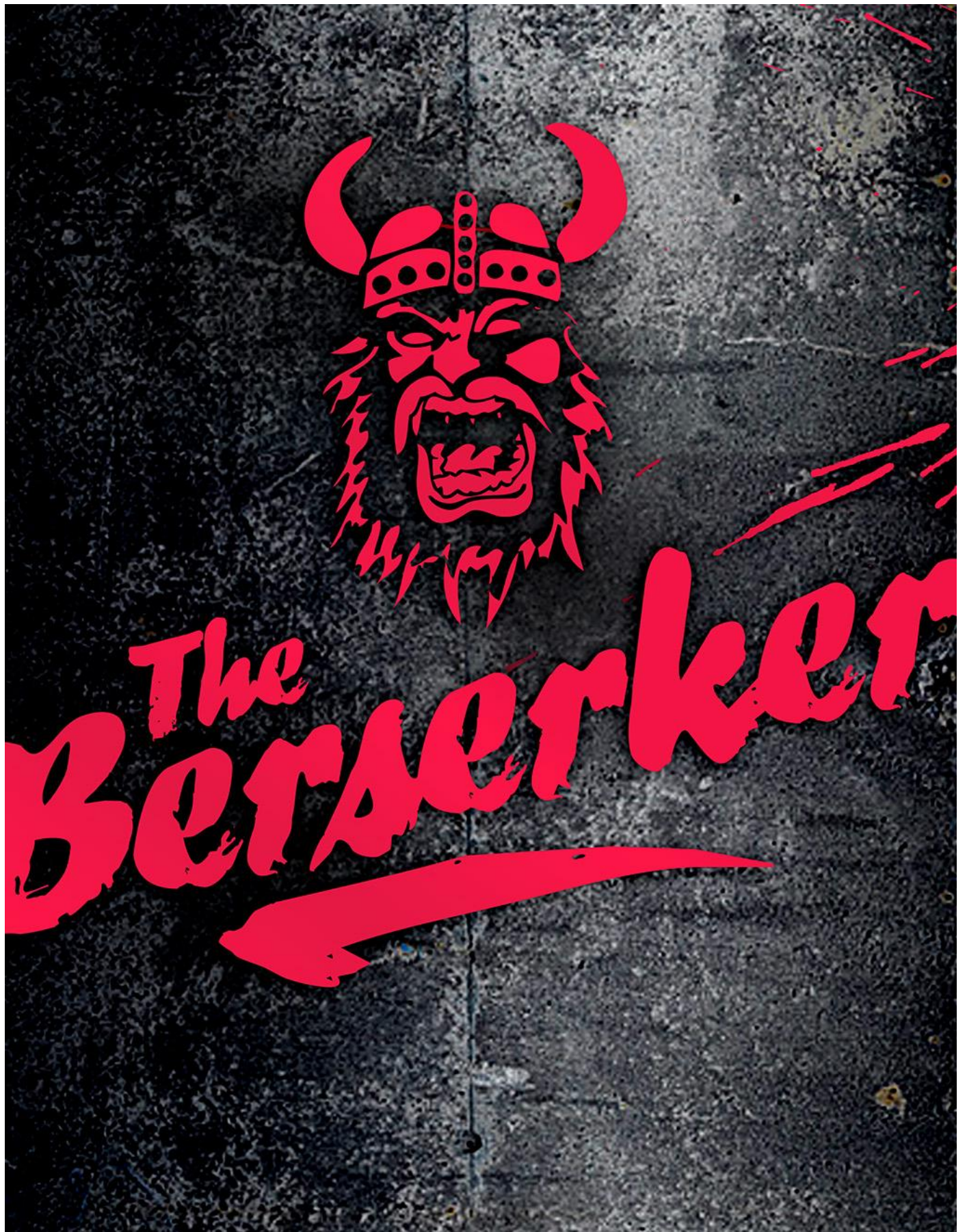




PlayStation 4

Berserker Modchip

Installation Instructions

Table of Contents

Tools needed.....	3
Disassemble the Controller.....	5
Install the Mod Indicator LED	16
Install the Modchip	20
Solder the Modchip.....	26
Install Tactile Switches	30
Install USB Port.....	35



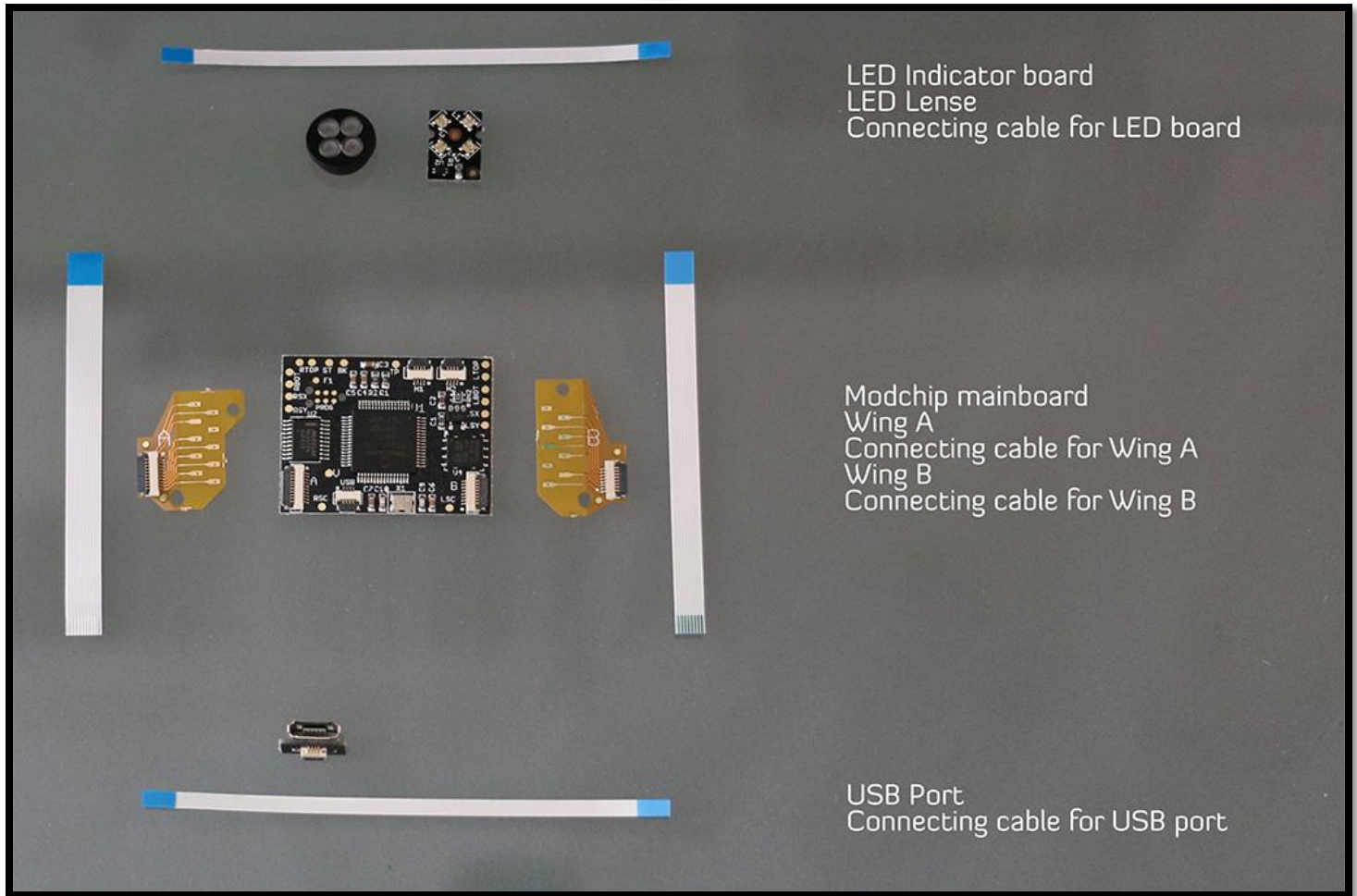
Revised 2/20/2016

VIKING  DIGITAL

Tools needed

- PS4 Controller (JDM-030 Circuit Board)
- Viking XBOX One PS4 modchip Kit
- Soldering iron, solder, and cleaning sponge
- 30 AWG wire (American wire gauge) or similar, multiple colors are useful
- Wire strippers capable of stripping 30 AWG wire
- Electrical tape
- Small flathead screwdriver or similar prying tool, and small Phillips screwdriver
- Power drill and safety glasses
- 9mm and 9/64 inch drill bits (intermediate sizes also useful)
- Hot glue and glue gun
- Additional useful items: flux, tweezers, q-tips, rubbing alcohol, scissors, wire snippers, x-acto knife, sanding files, etc.





The modchip kit consists of several pieces, some of which are solderless:

- Modchip mainboard (the large rectangular black chip)
- Solderless Wing A, and 10-position connector cable
- Solderless Wing B, and 8-position connector cable
- Solderless LED indicator board, and 4-position connector cable
- An optional 9mm LED lense fixture
- A USB break-out board (for programming your modchip with a Windows or Mac computer), and 4-position connector cable
- Four standard tactile switches, or you may use any normally-open momentary-closed switch that you wish

Disassemble the Controller

Remove four screws.



Four screws are removed.



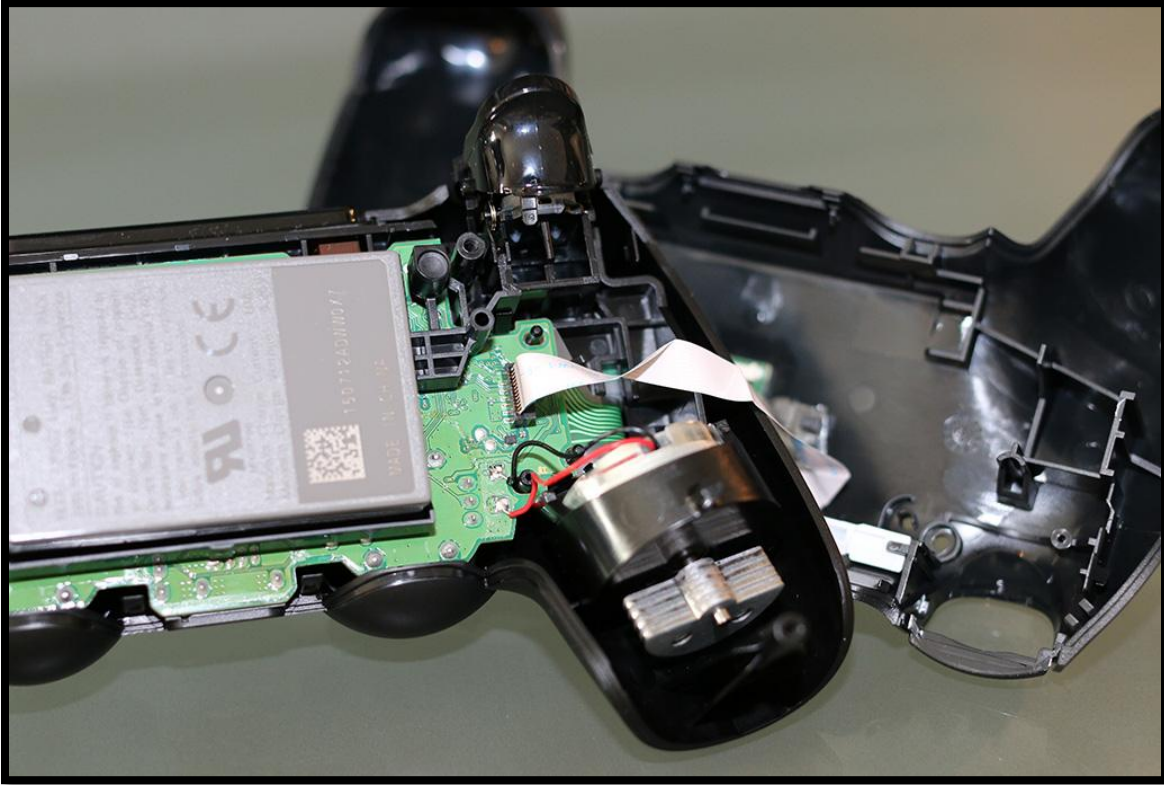
Firmly press up on shell handle until the shell separates into two pieces.



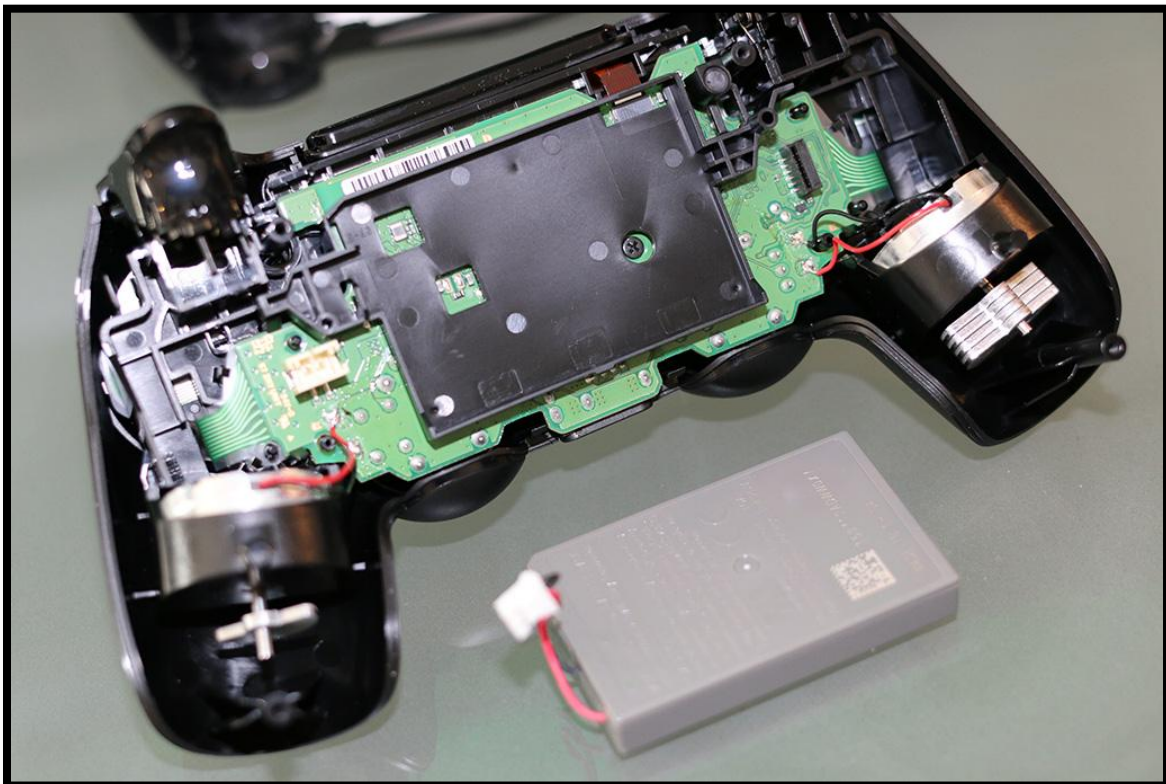
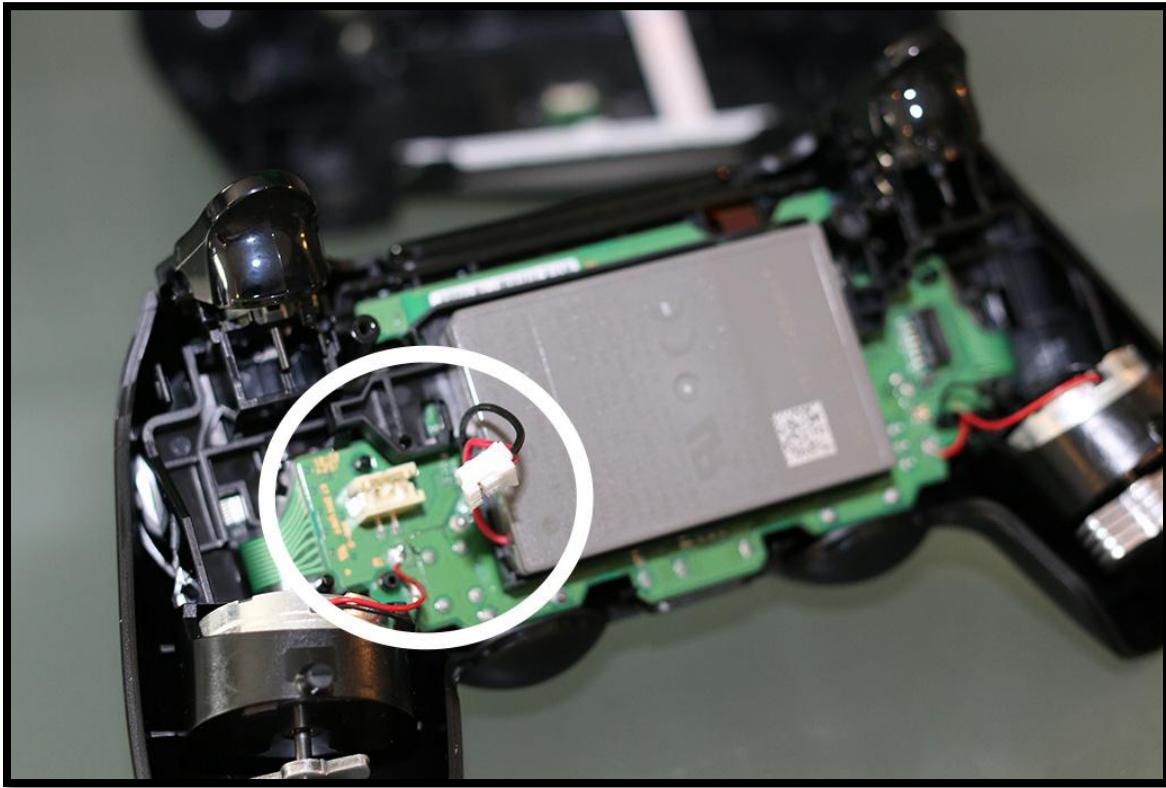




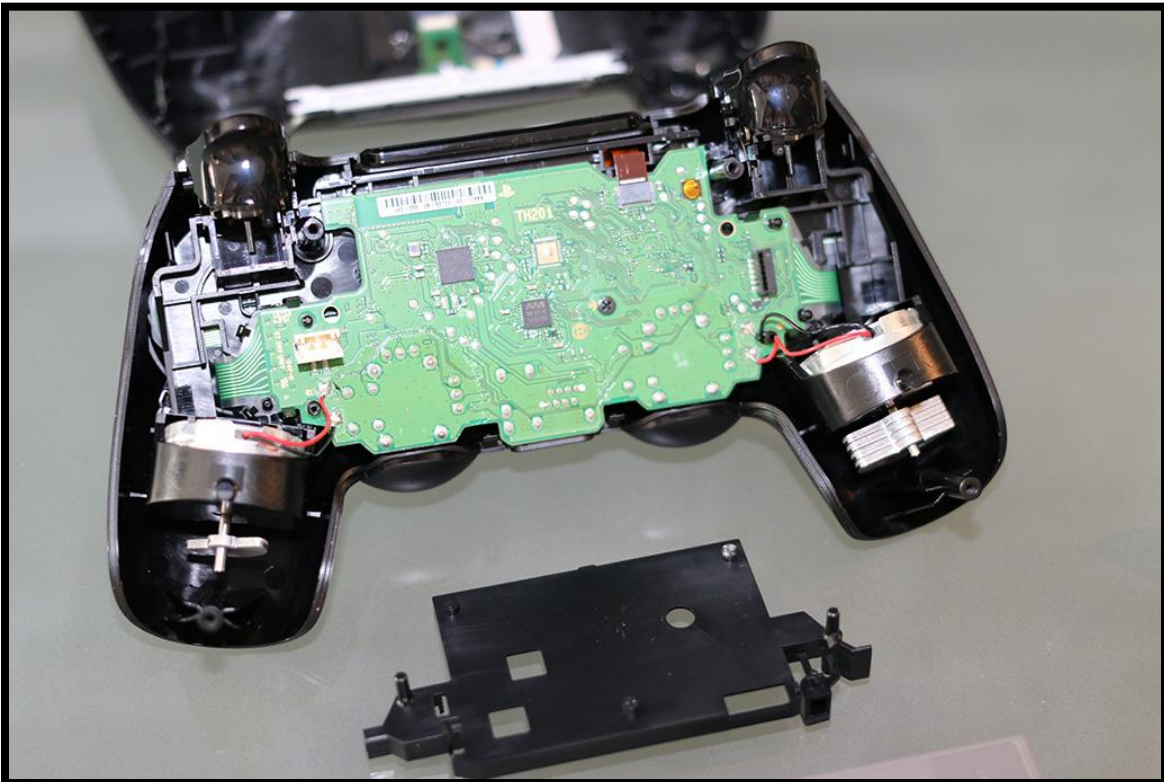
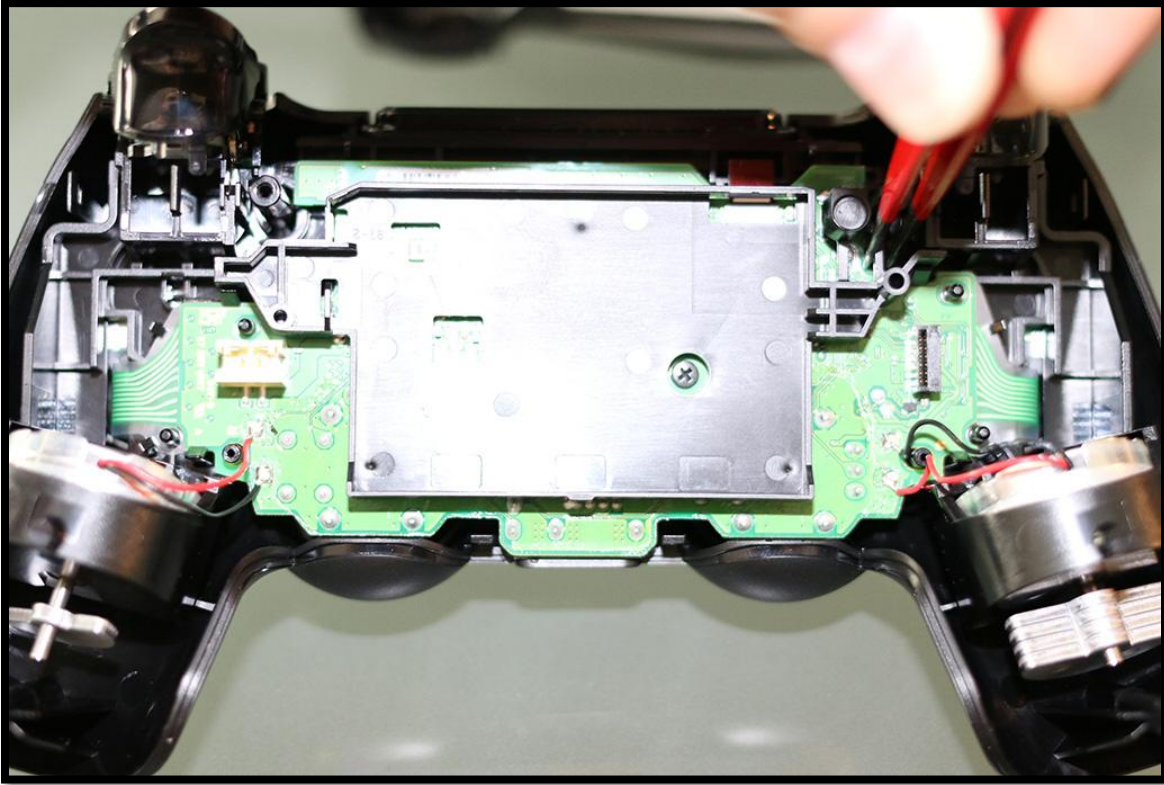
Disconnect the white ribbon cable.



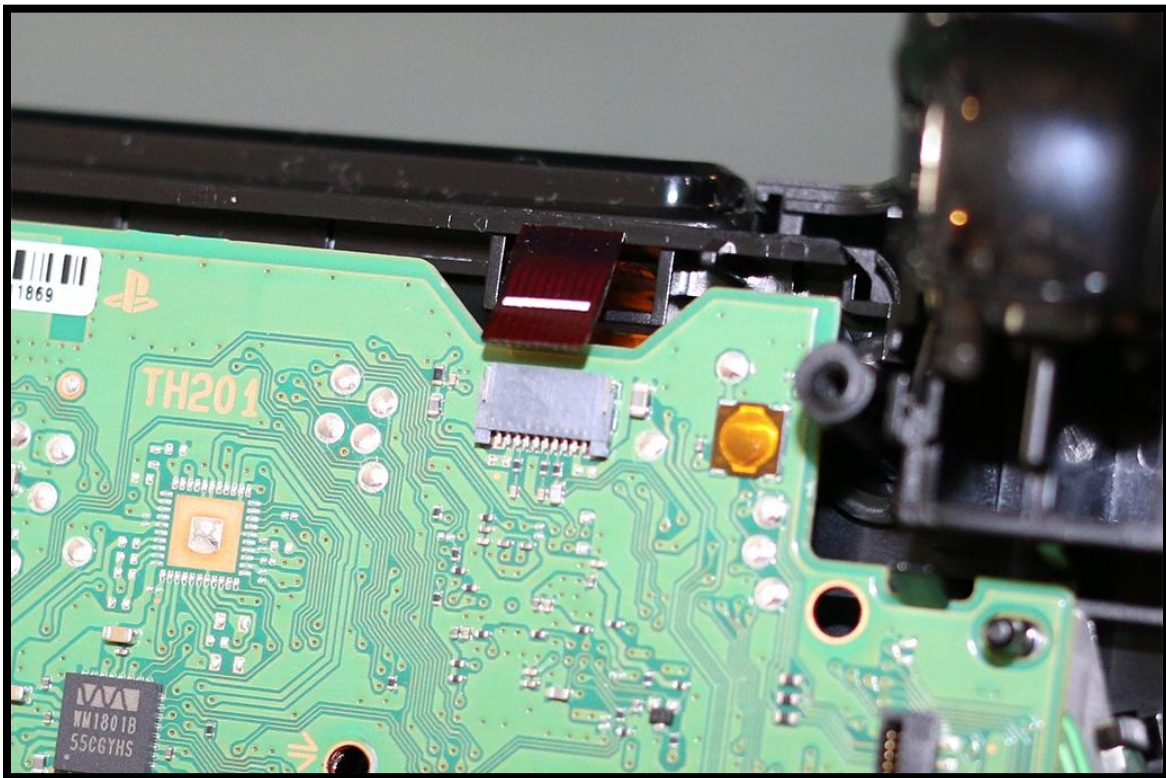
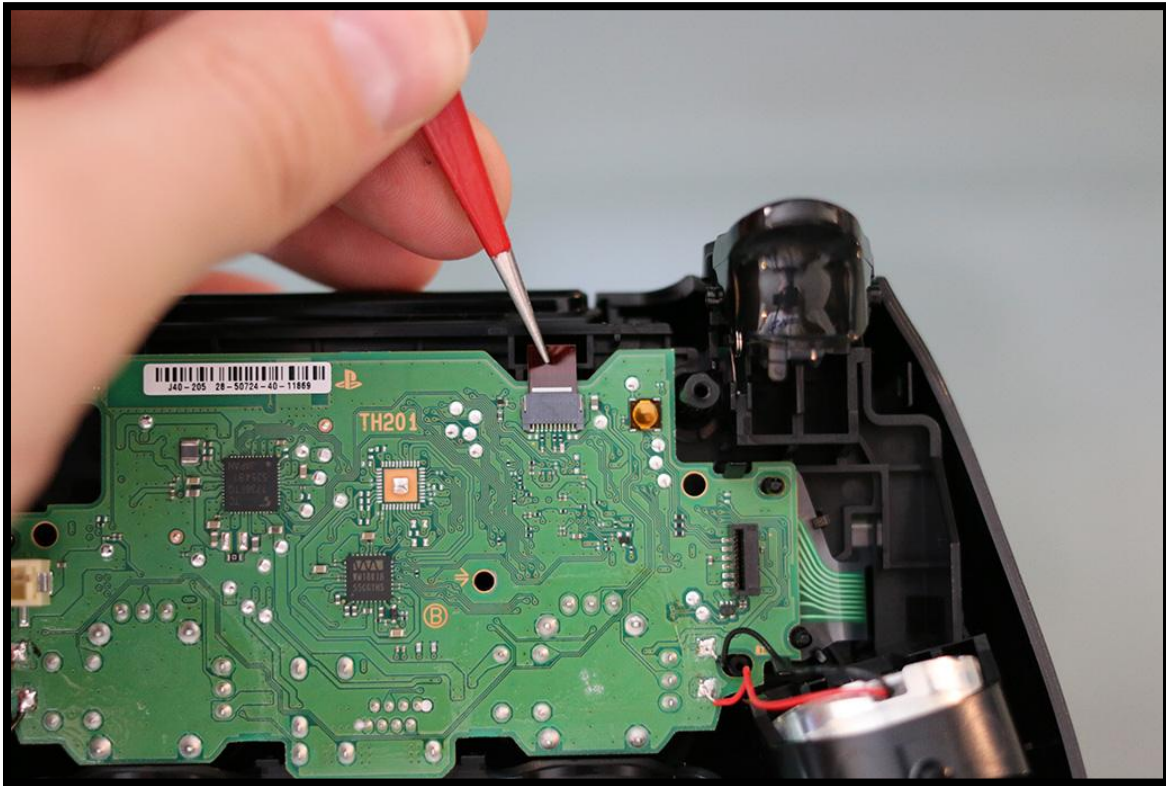
Disconnect the battery.



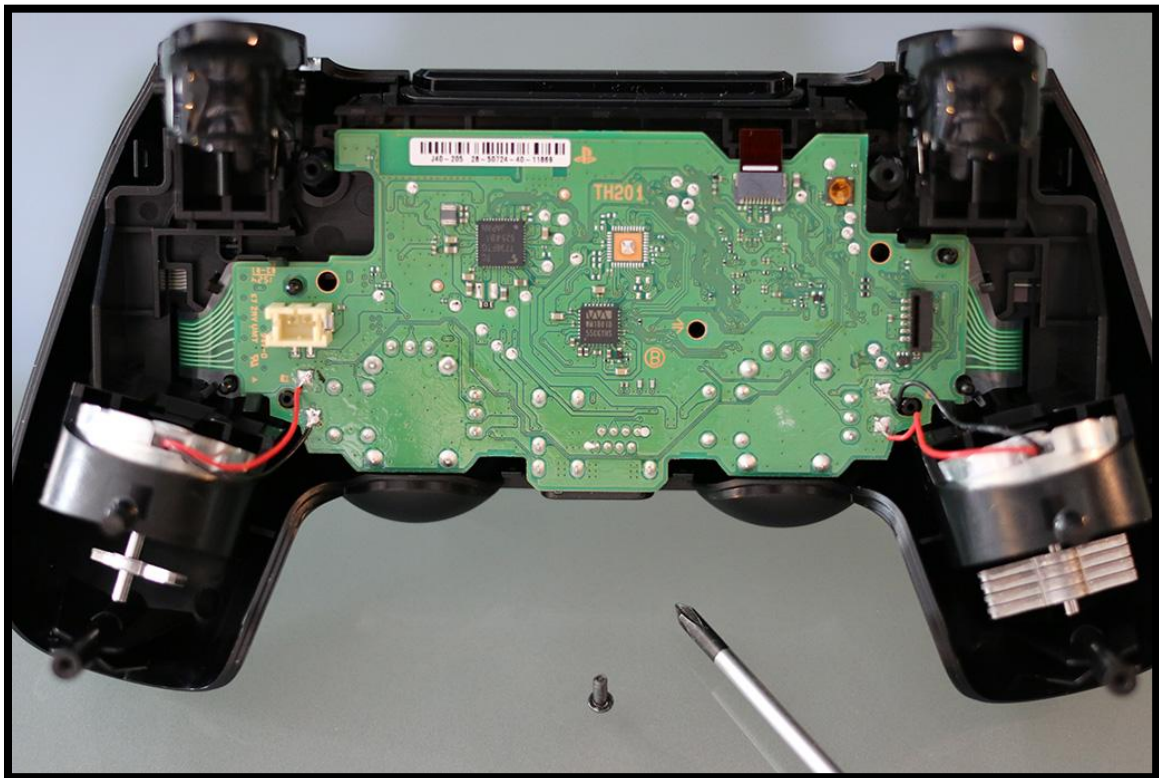
Remove the black battery tray.



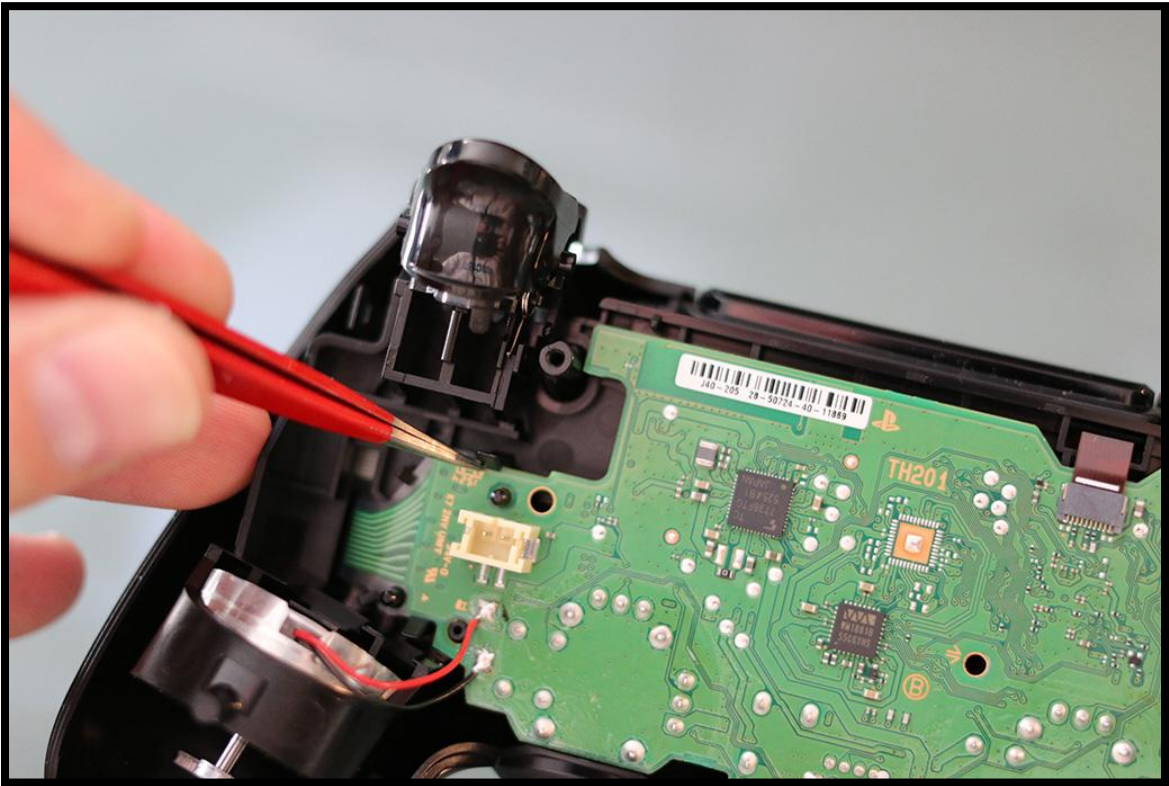
Disconnect the ribbon cable.



Remove one screw.

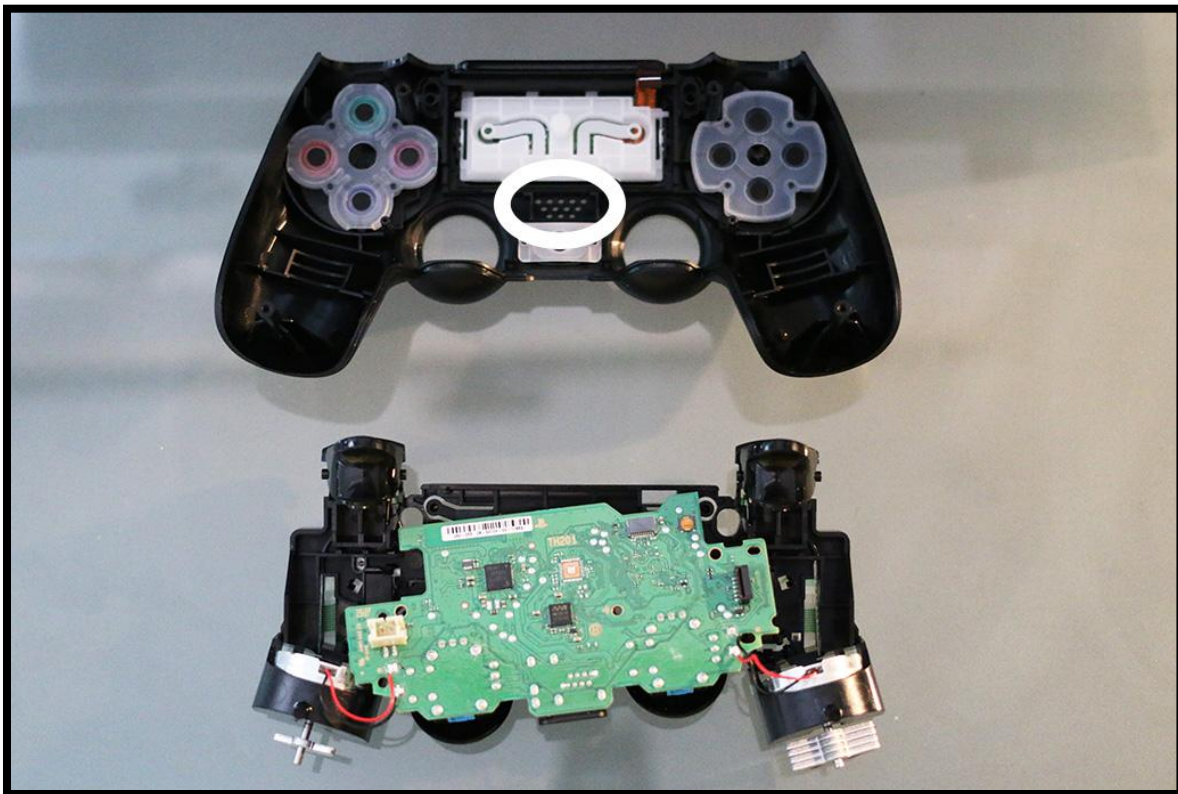
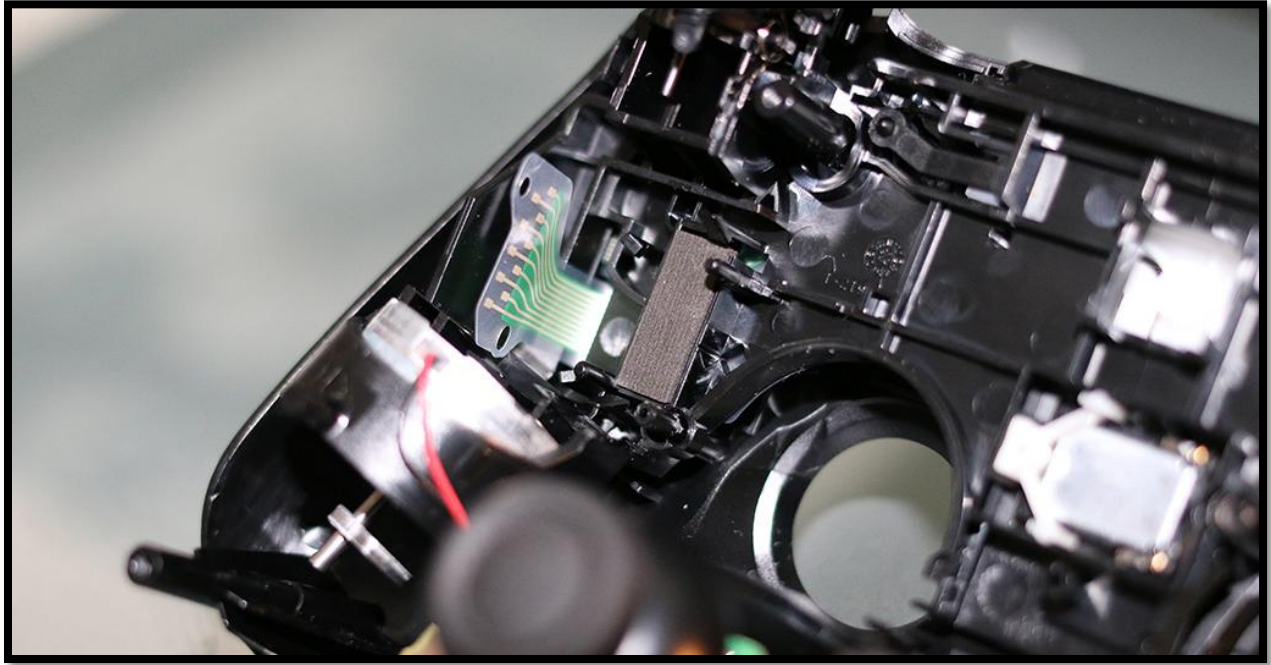


Release the circuit board by gently pushing back on the black tabs.

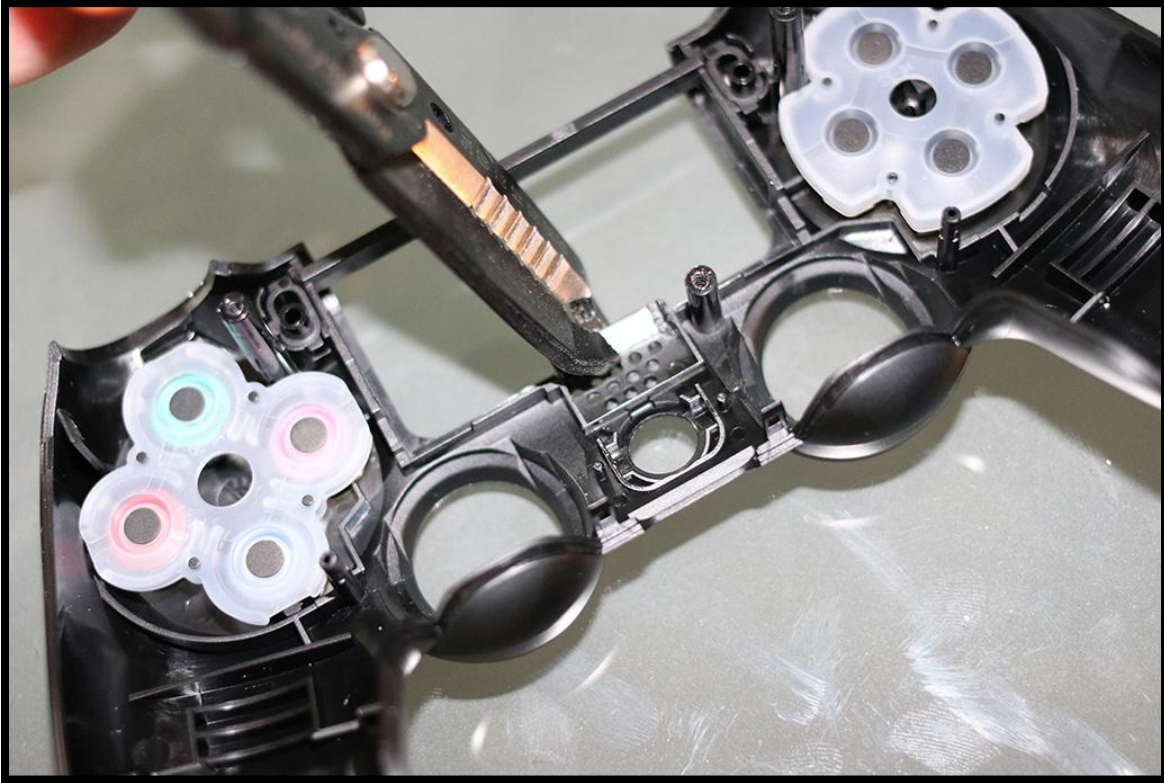


Install the Mod Indicator LED

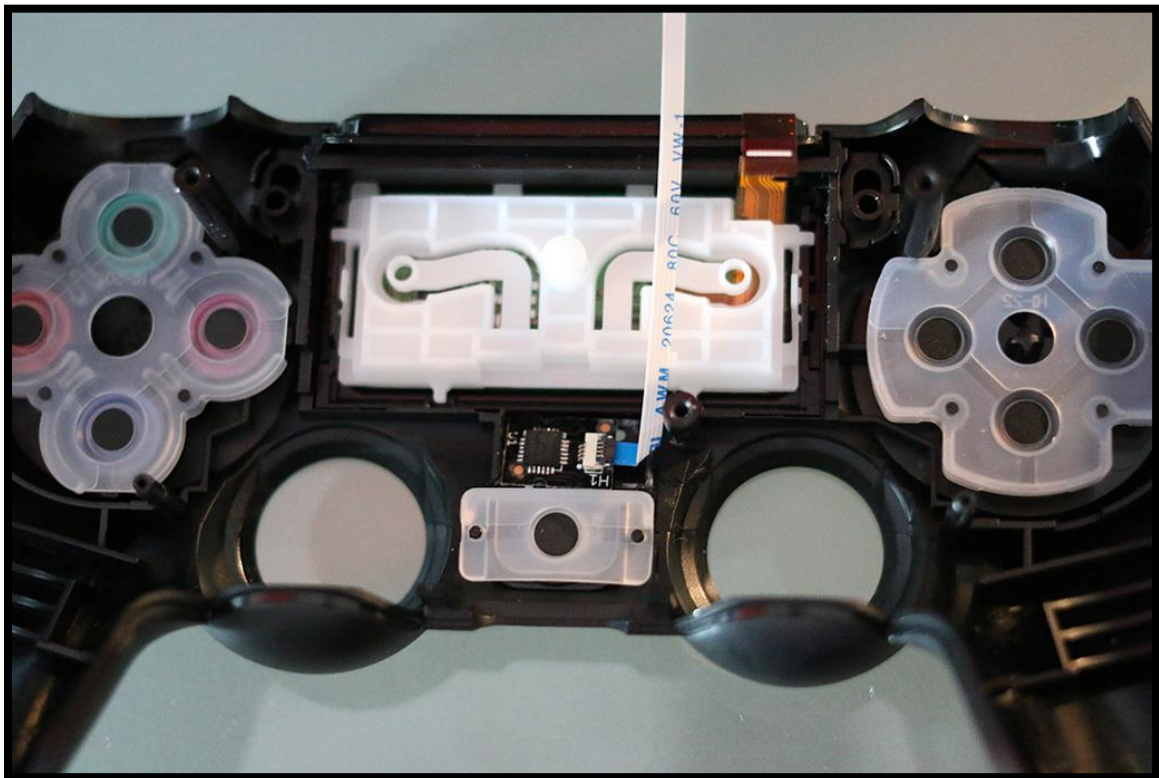
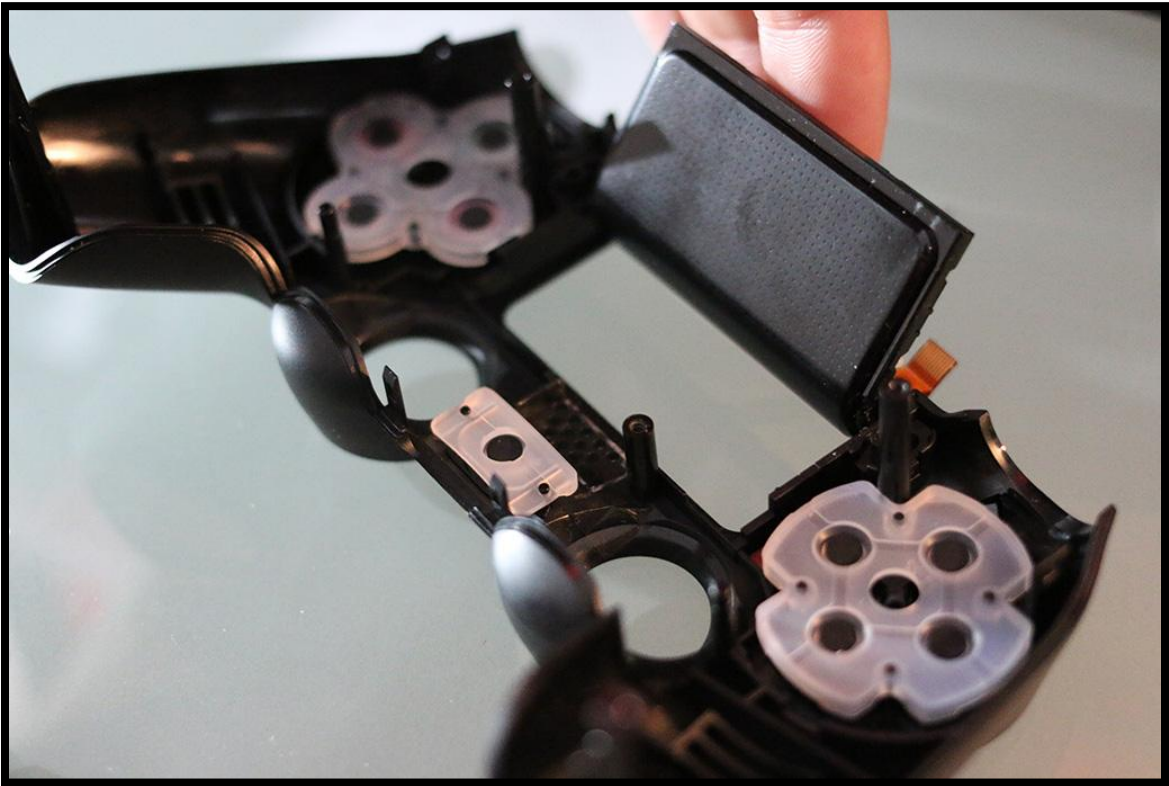
Access the speaker grille.



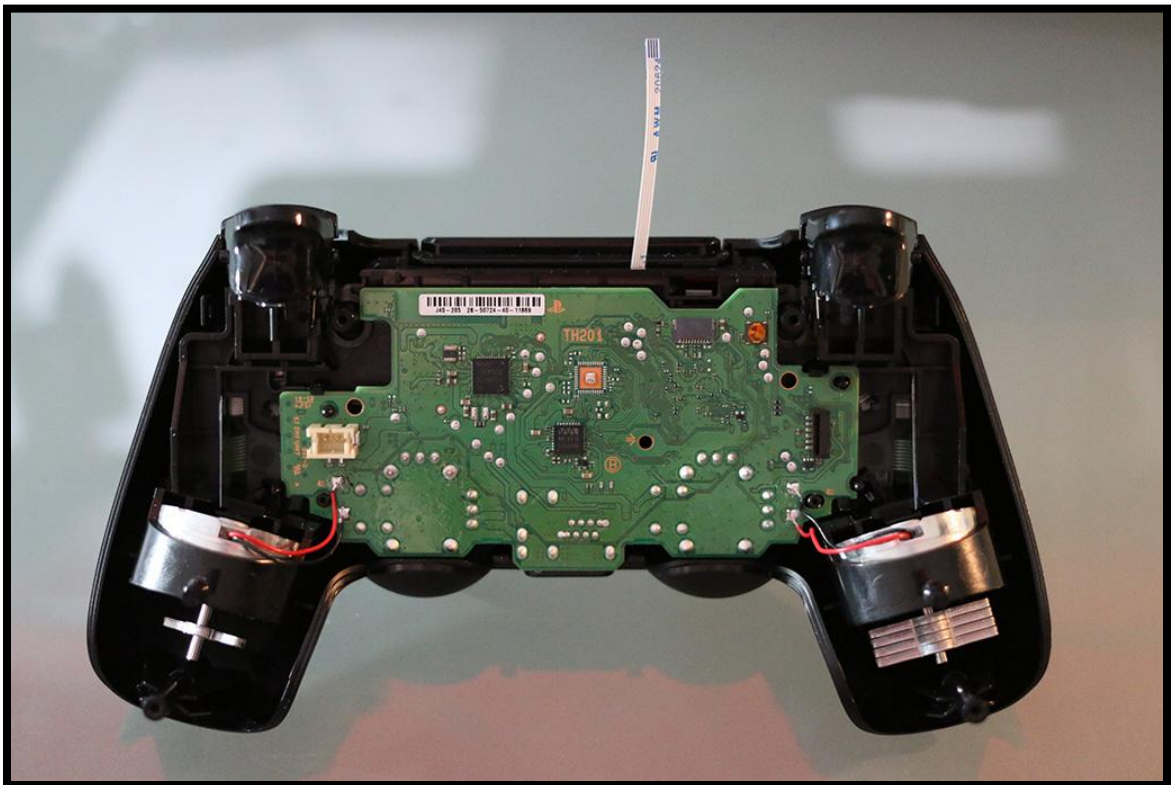
Trim away the speaker grill plastic on all four sides.



Install the LED driver board and connector cable as shown.



Make the connector cable look like this.

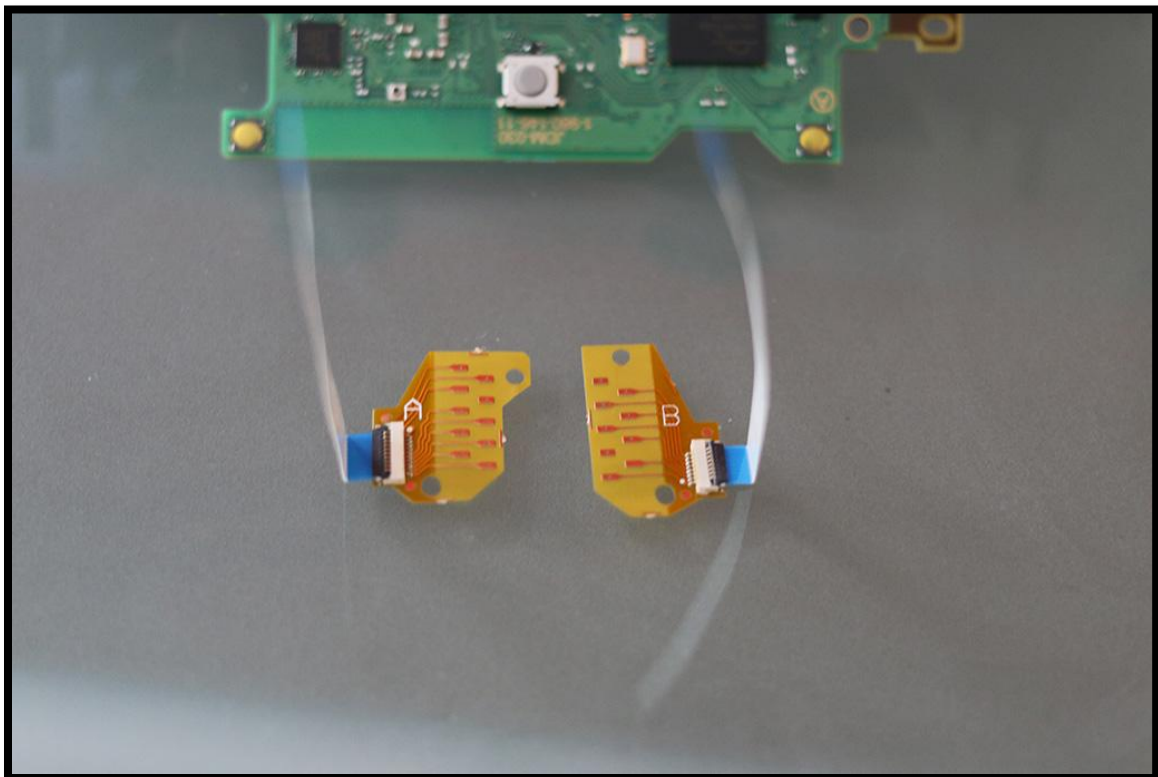
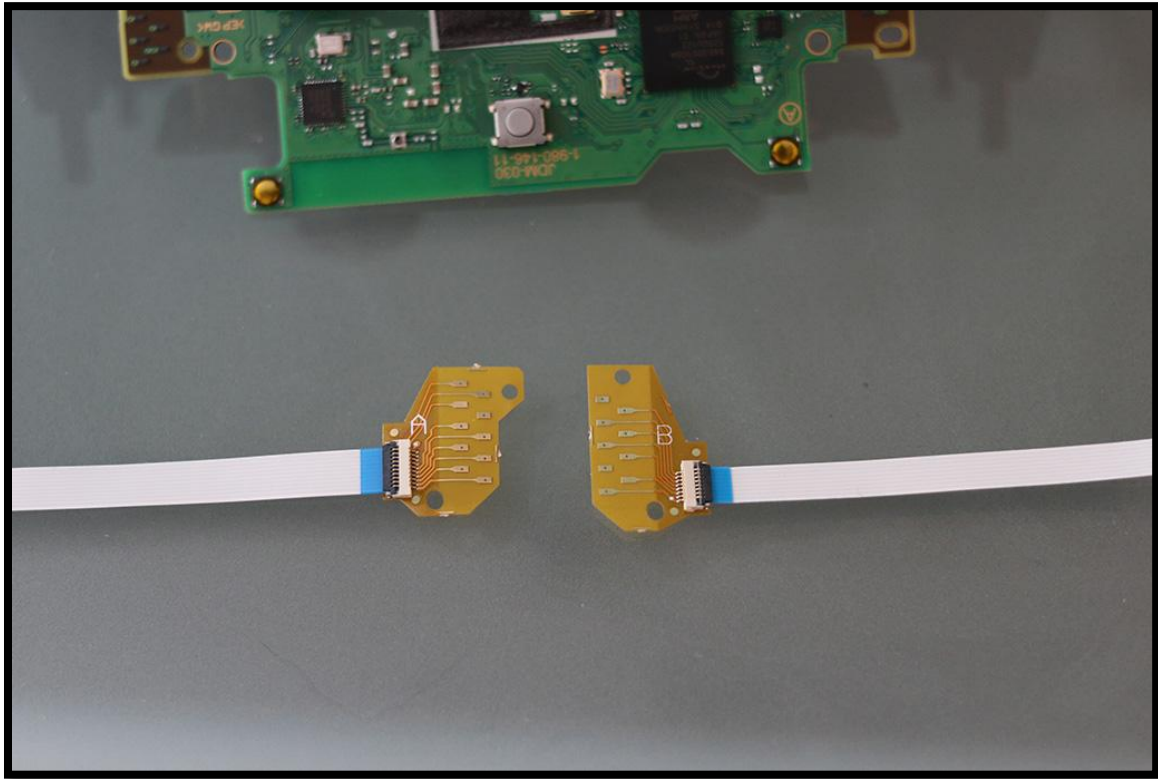


Install the Modchip

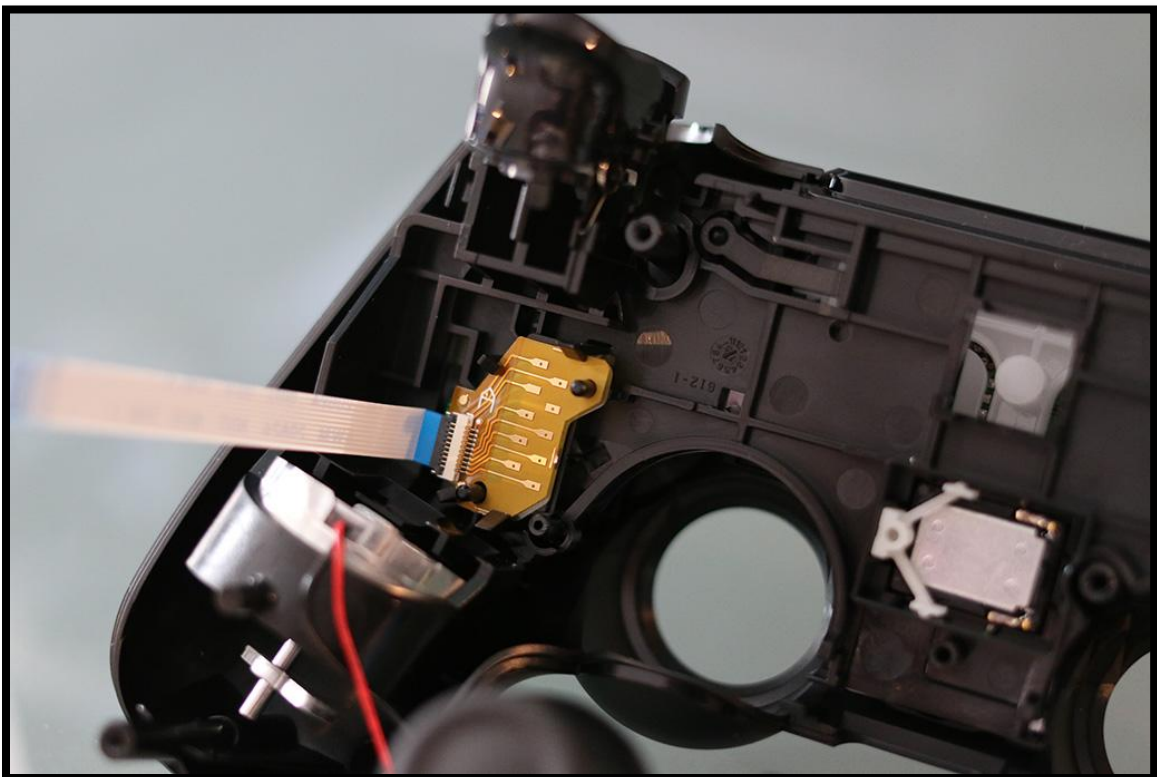
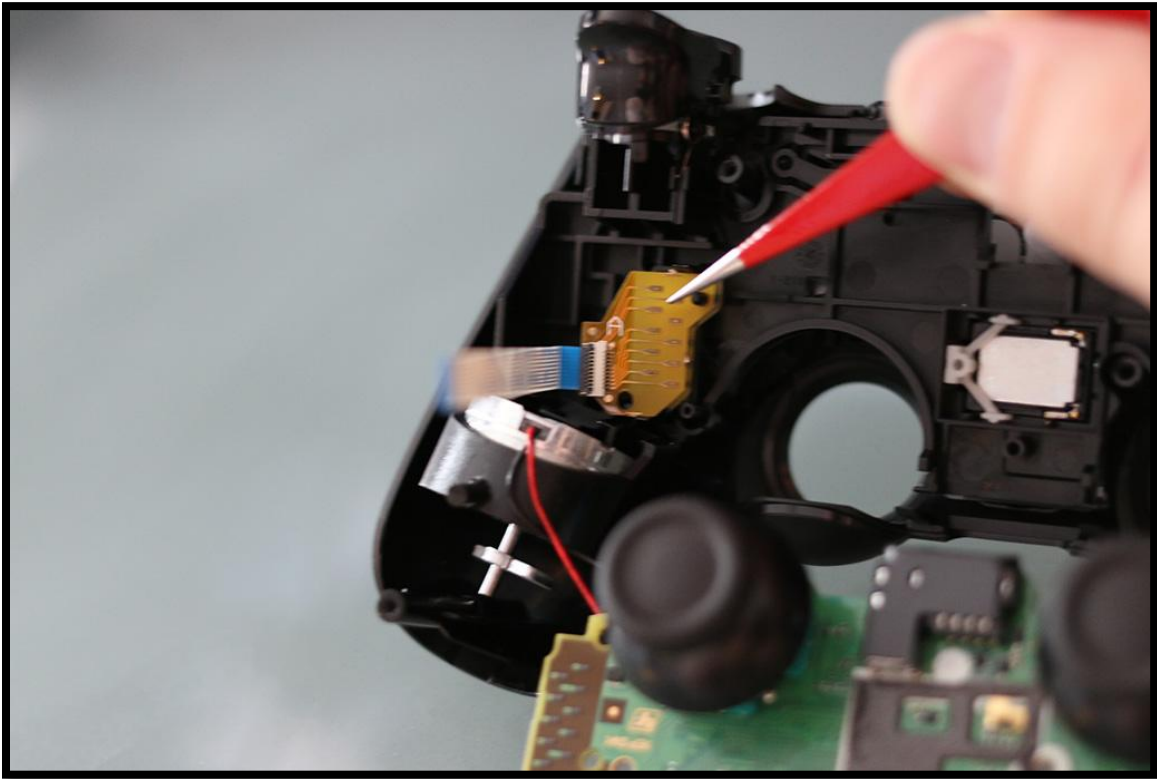
Install Wing A and Wing B.



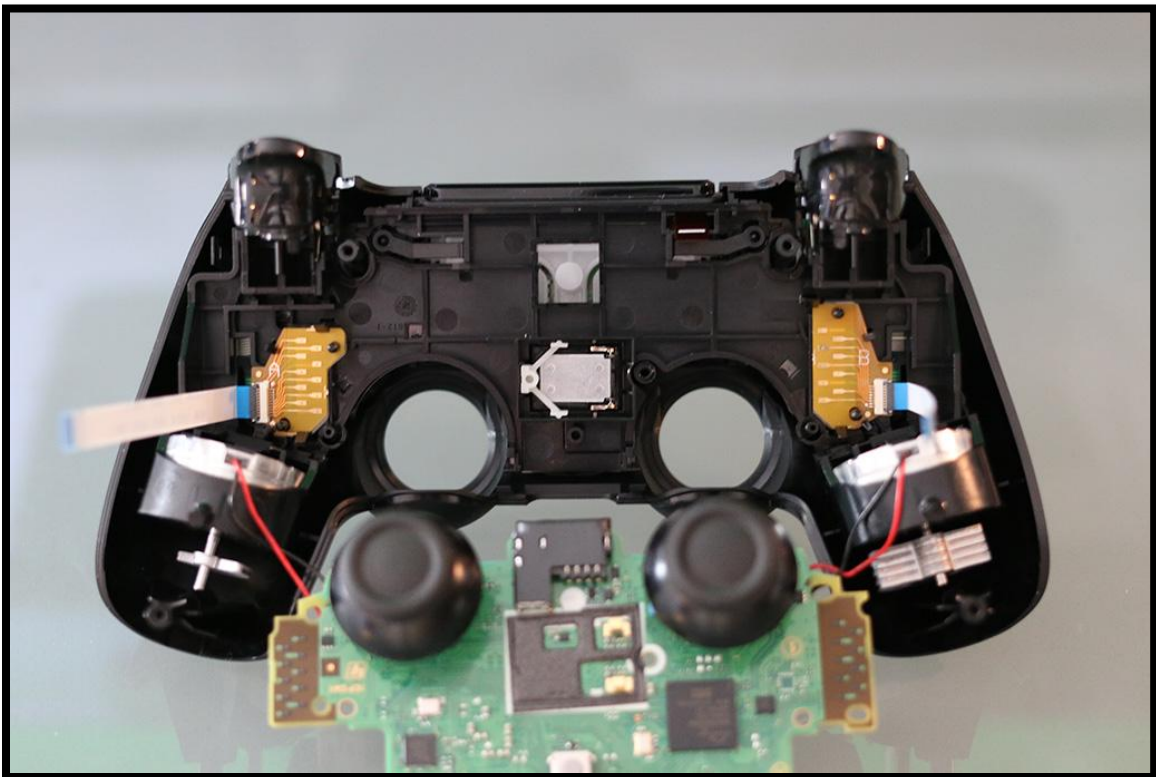
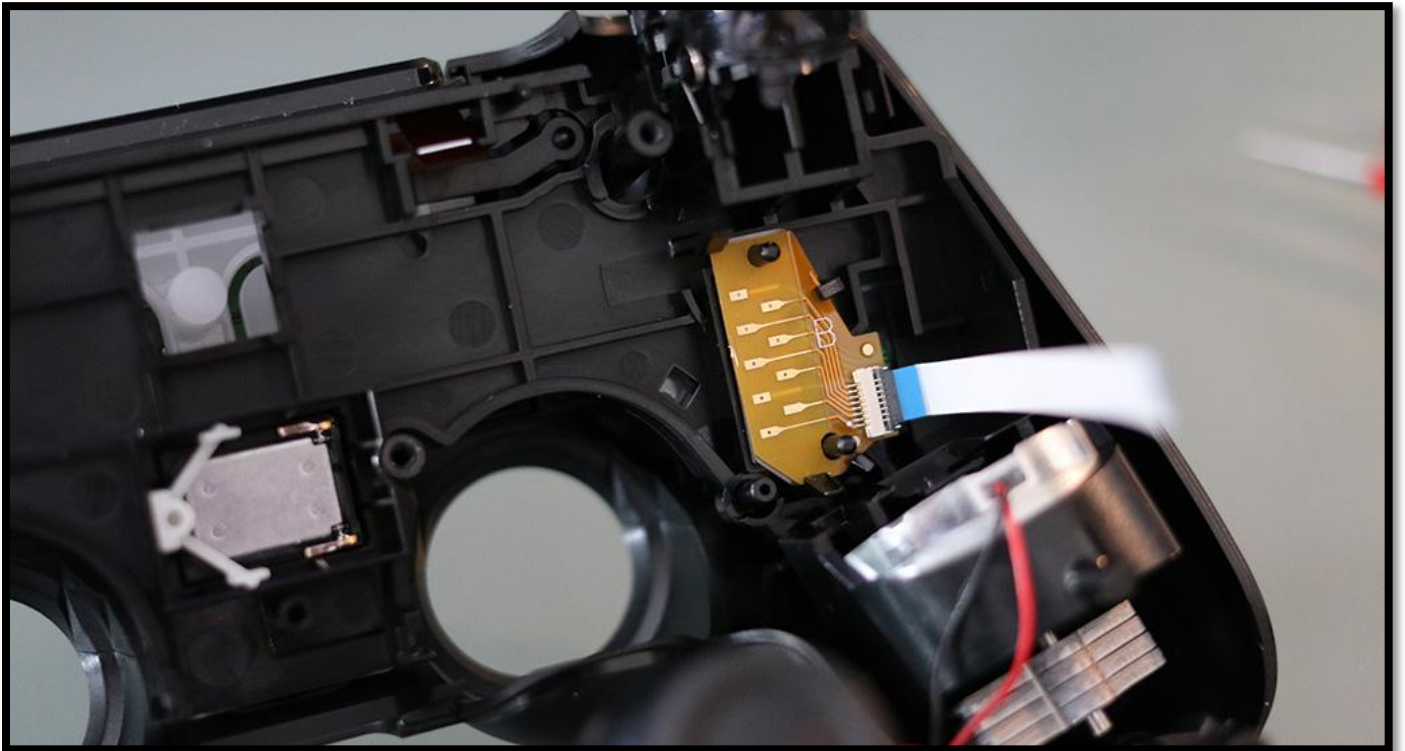
Pro tip: bend the connector cables as shown.



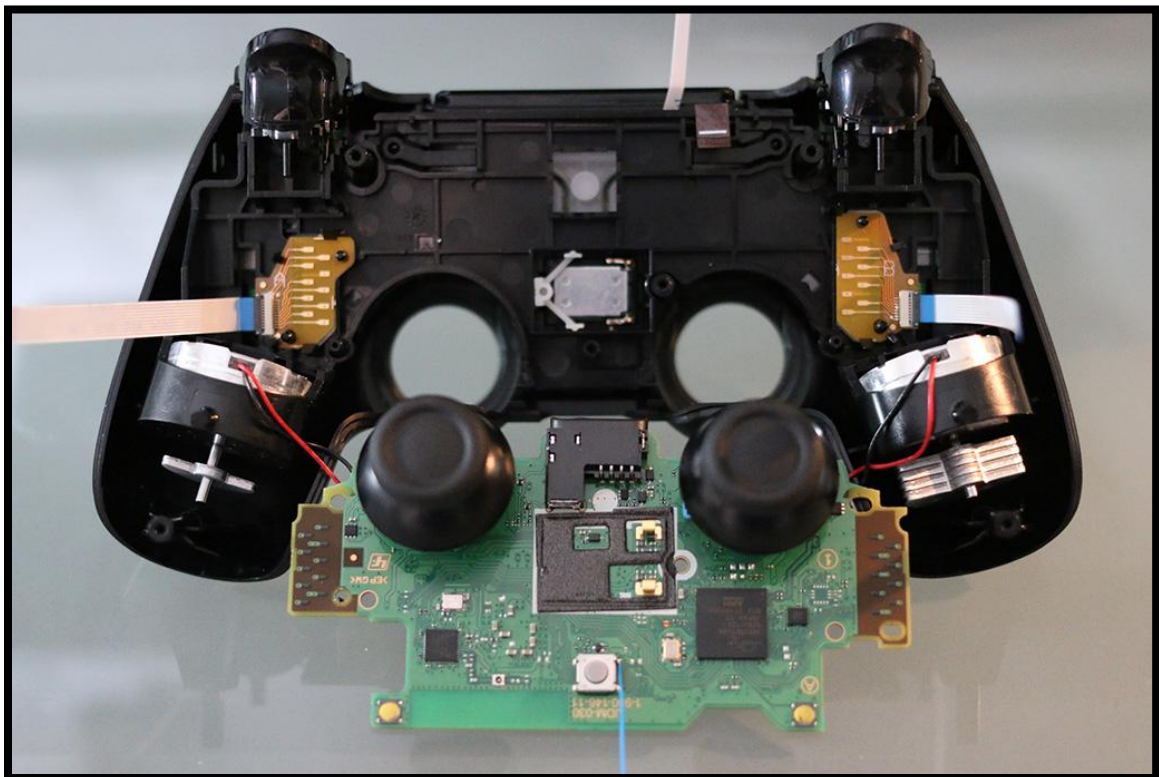
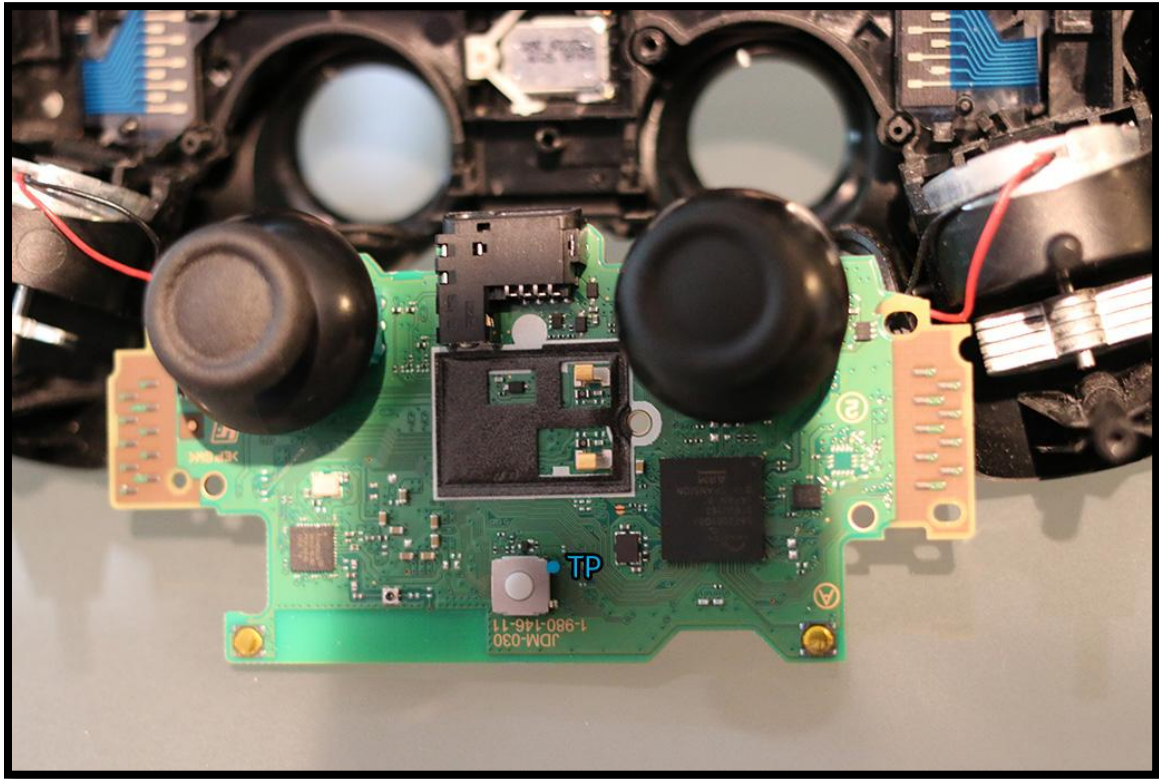
Install Wing A, underneath all the black plastic tabs.



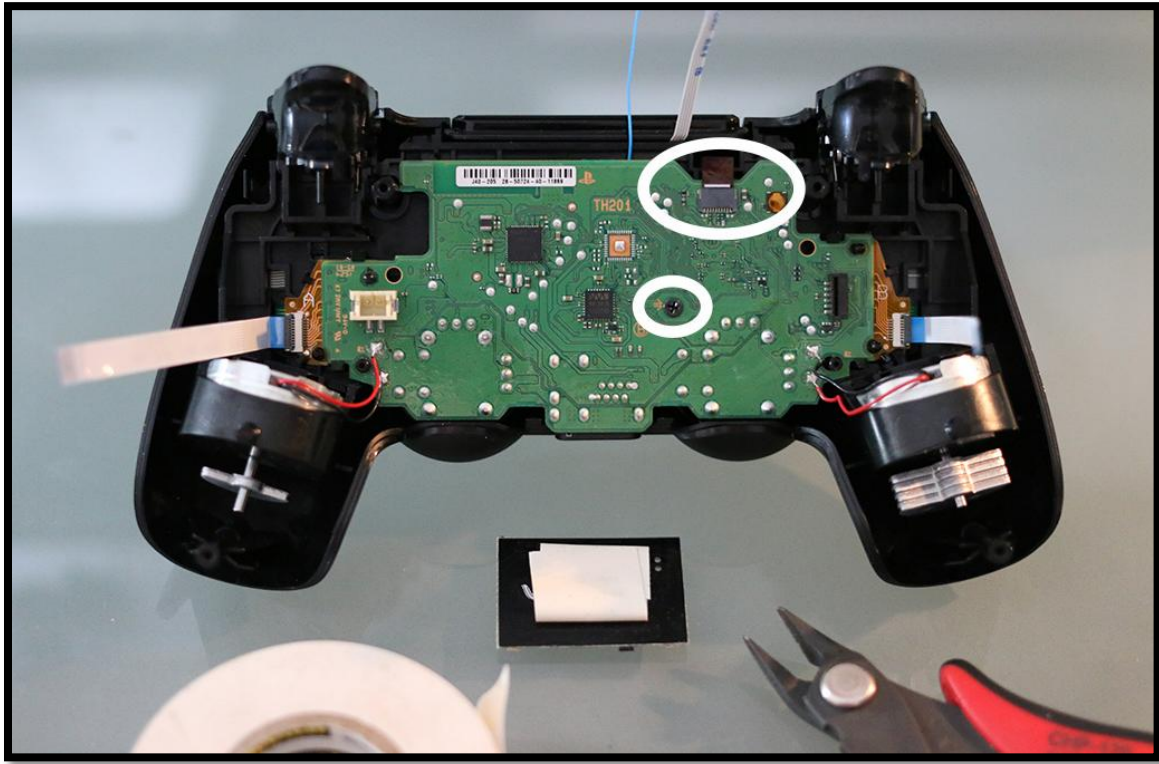
Install Wing B, underneath all the black plastic tabs.



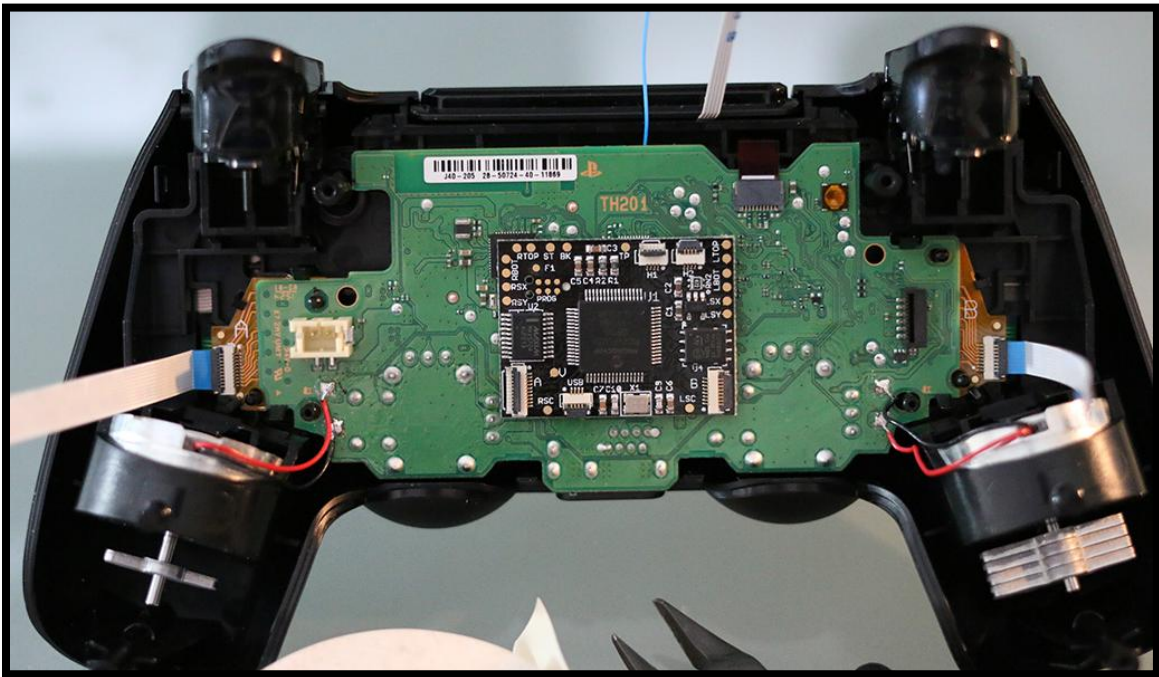
Now is a good time to install a blue wire for TP.



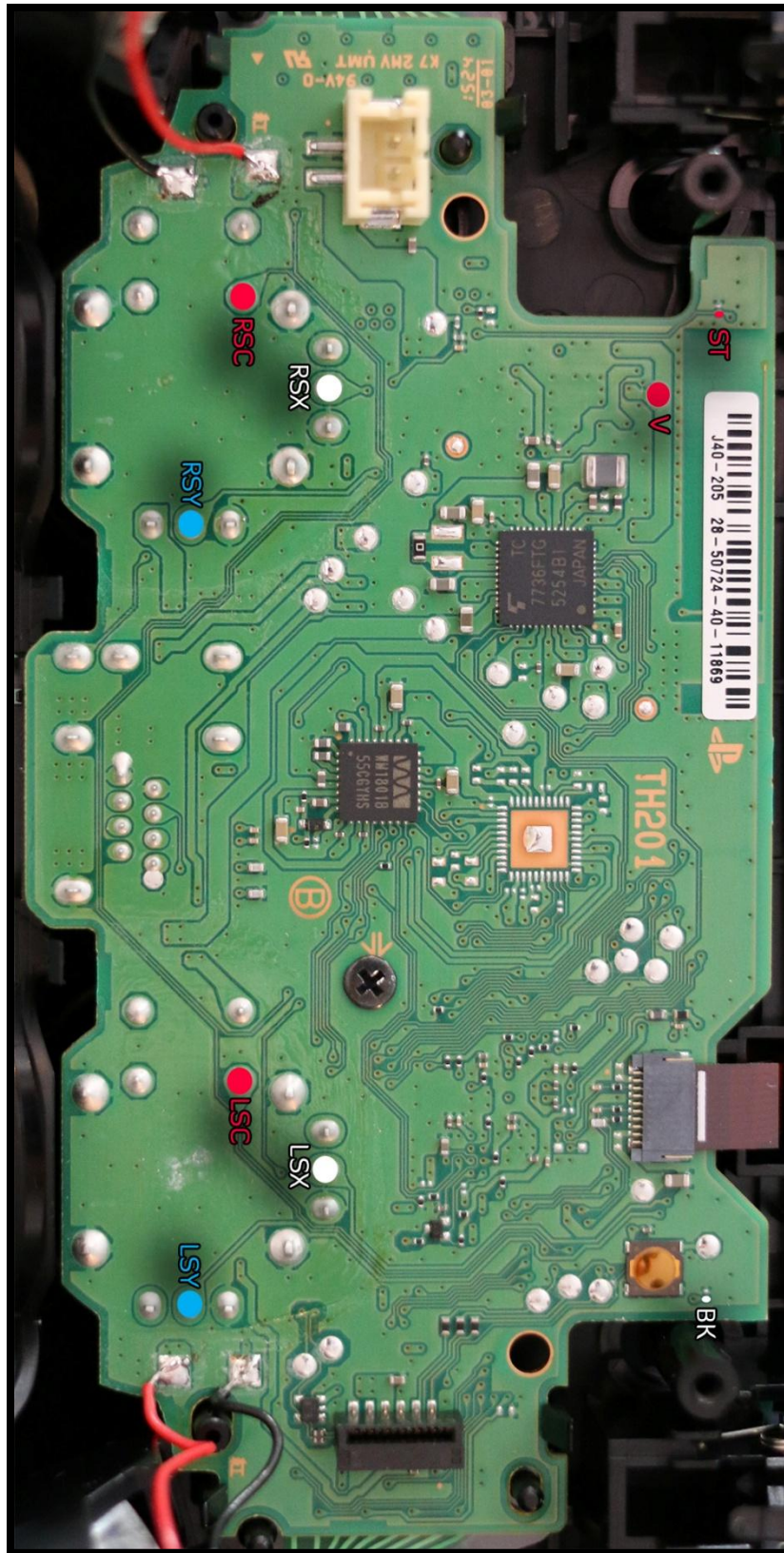
Insert screw and insert ribbon cable.

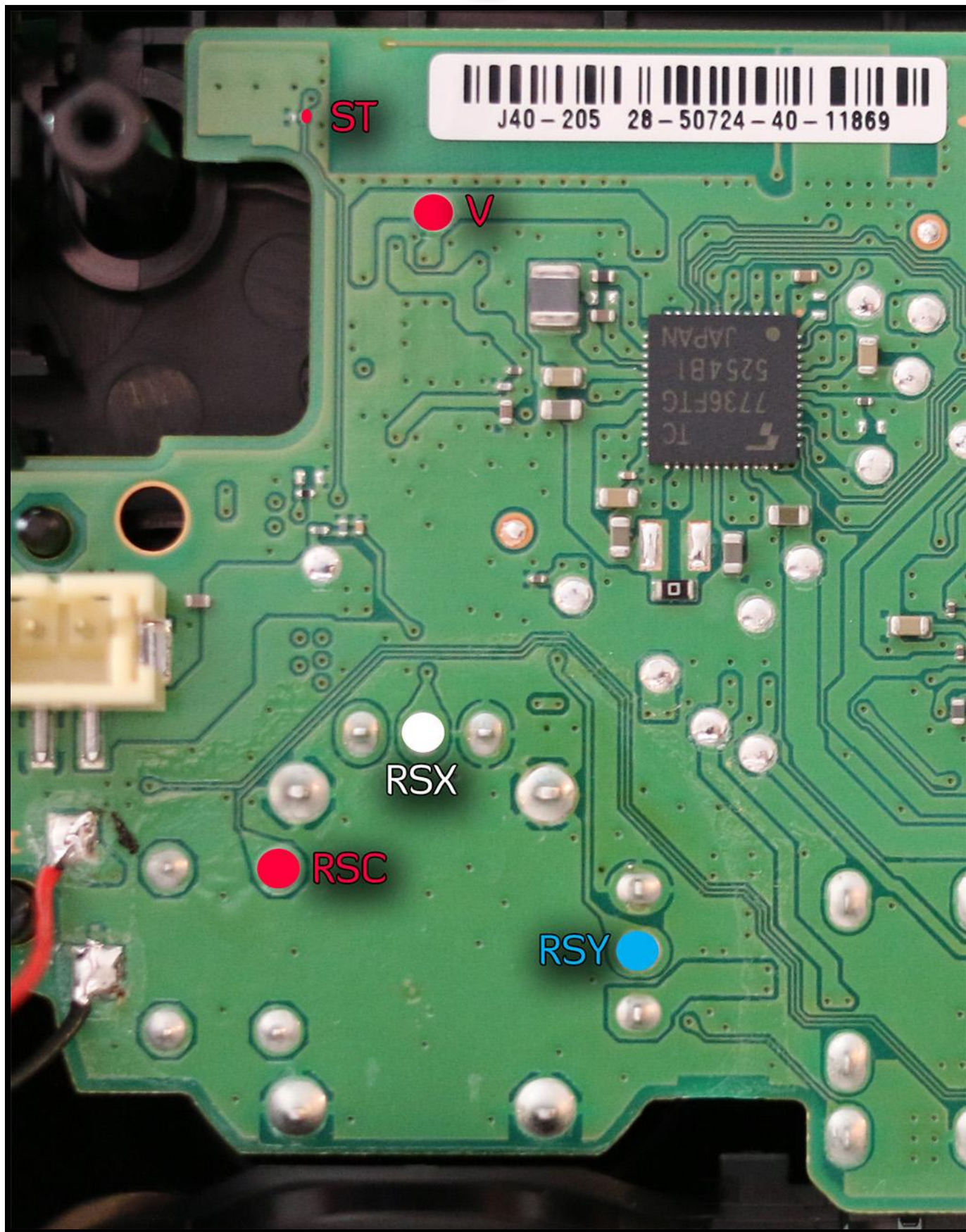


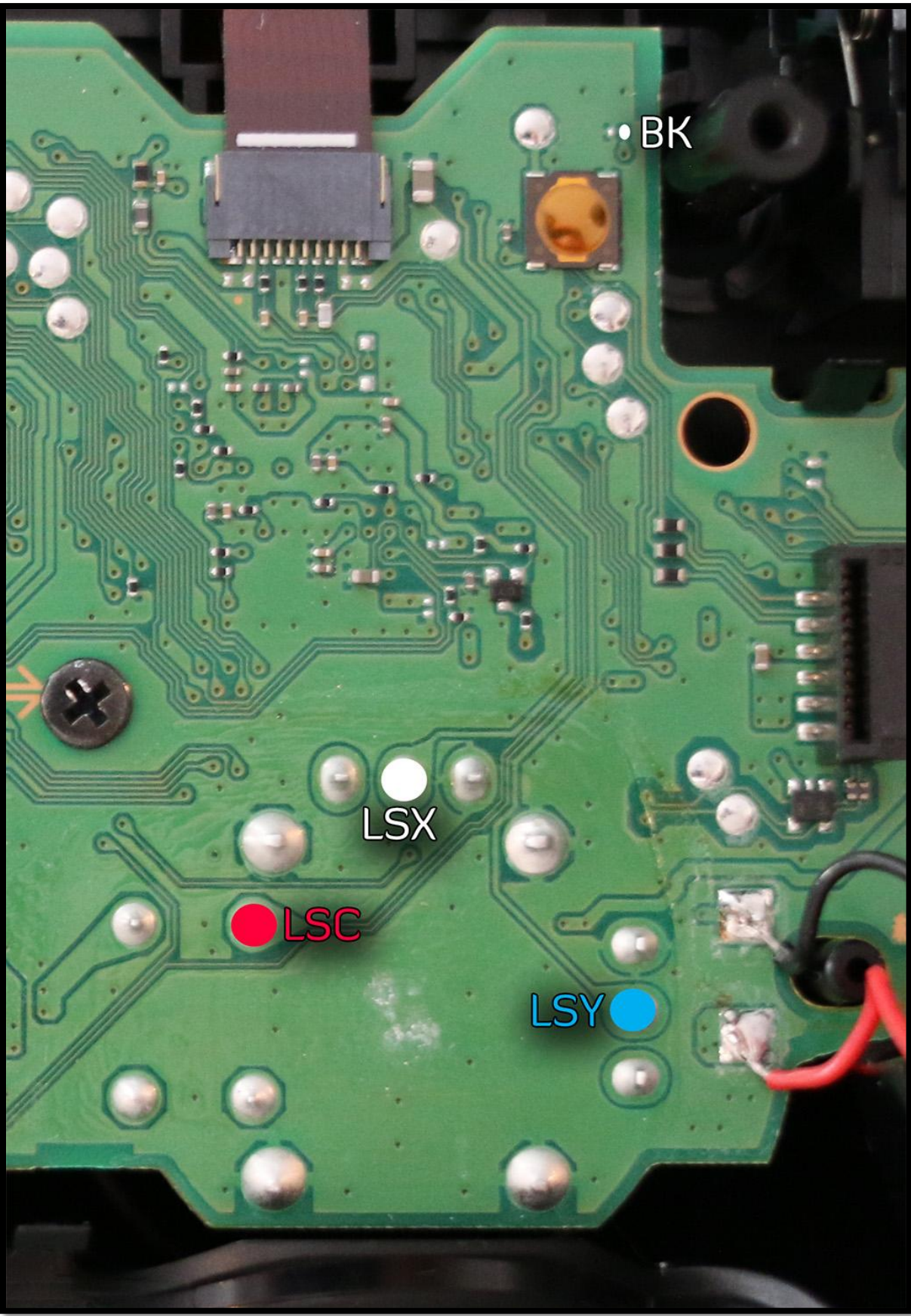
Tape modchip into place with electrical tape (no hot glue).

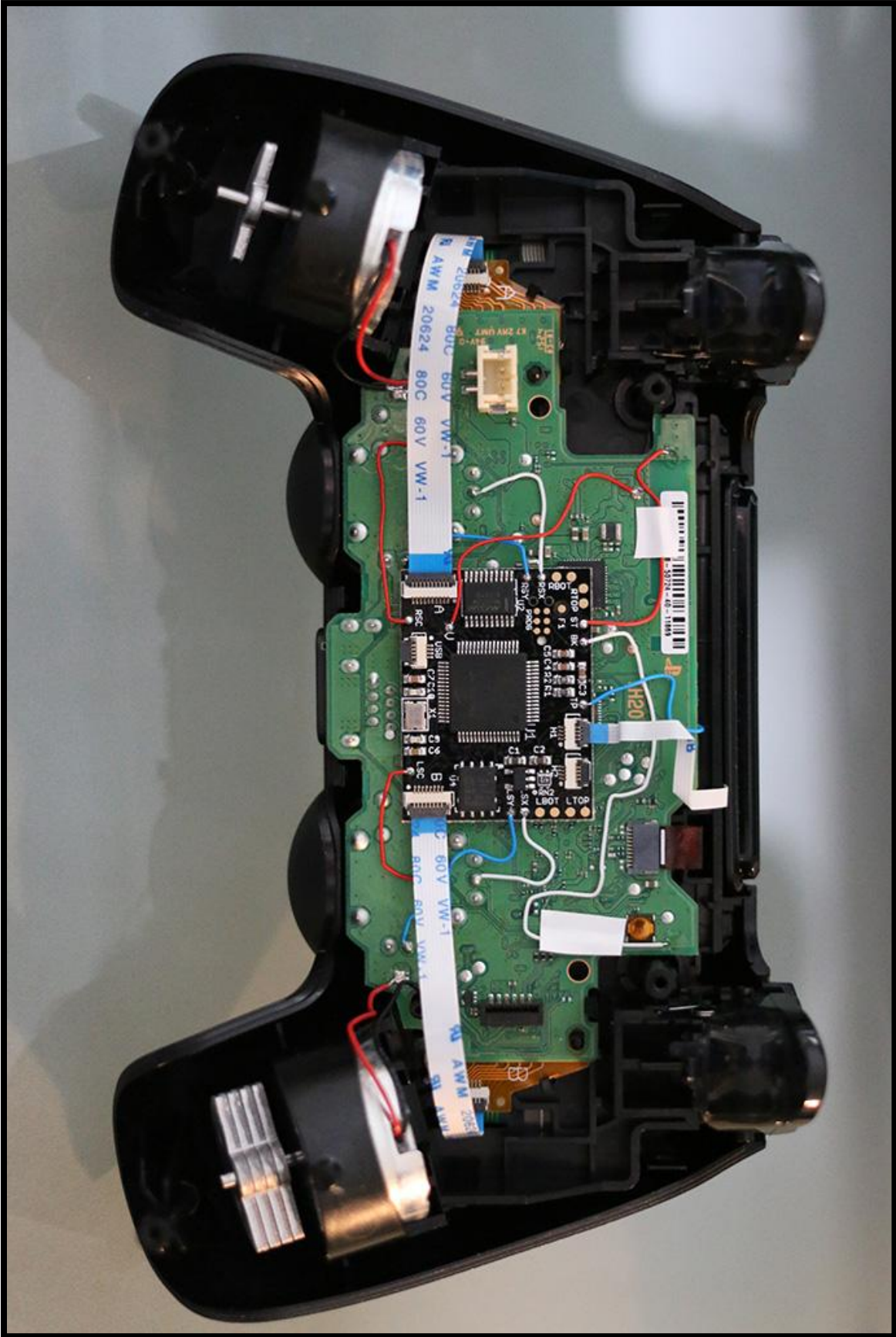


Solder the Modchip



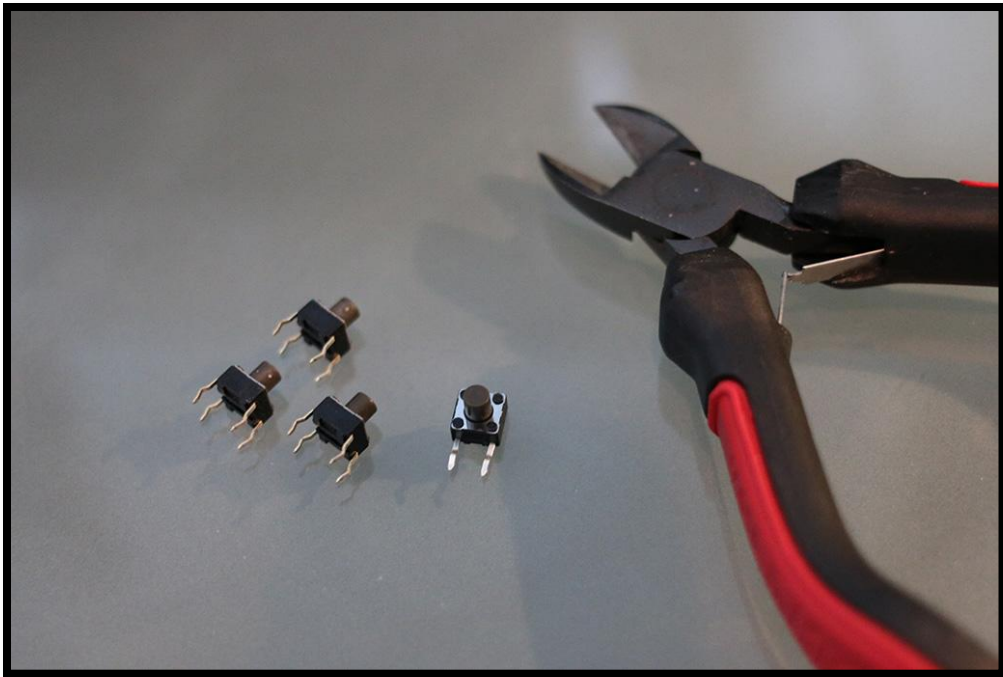




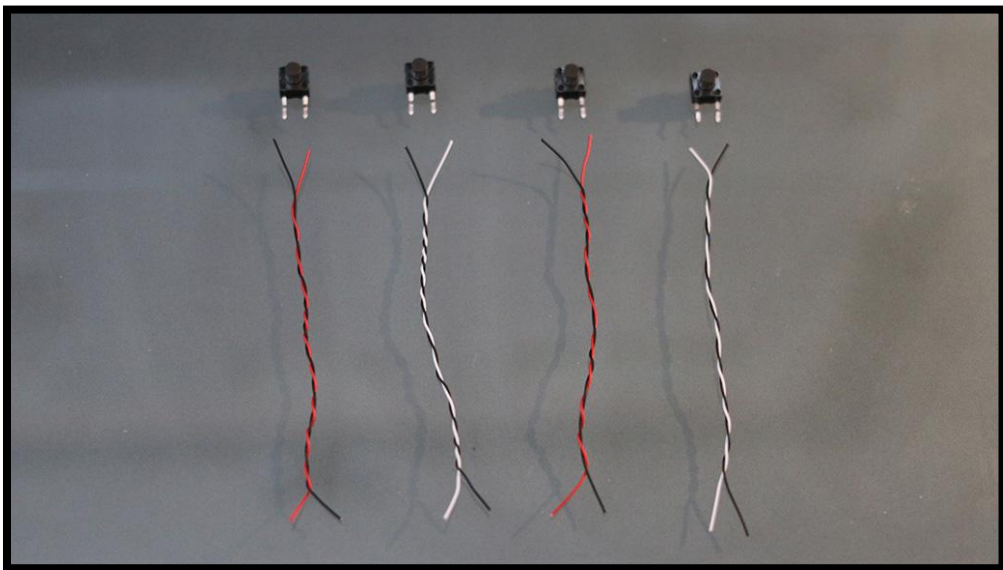


Install Tactile Switches

Remove two legs from each tactile switch.



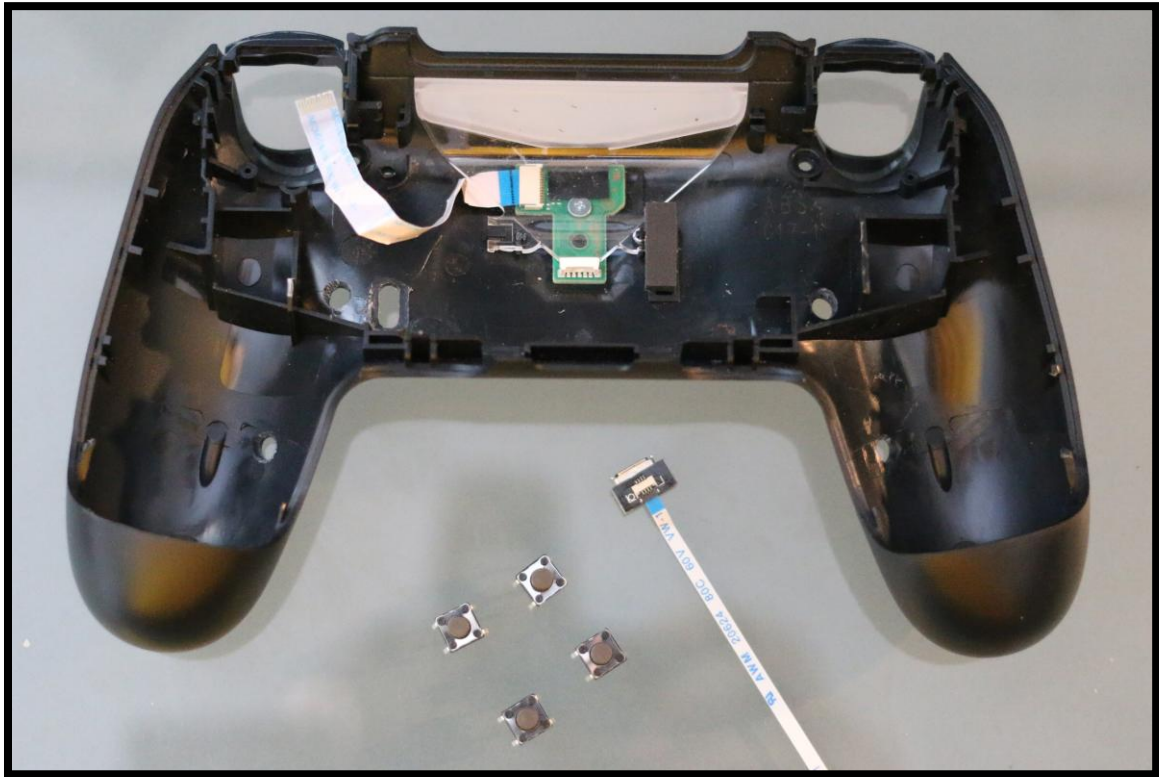
Prepare wire tails for each switch.



Drill holes for the tactile switches. Avoid the battery tray and other black braces.



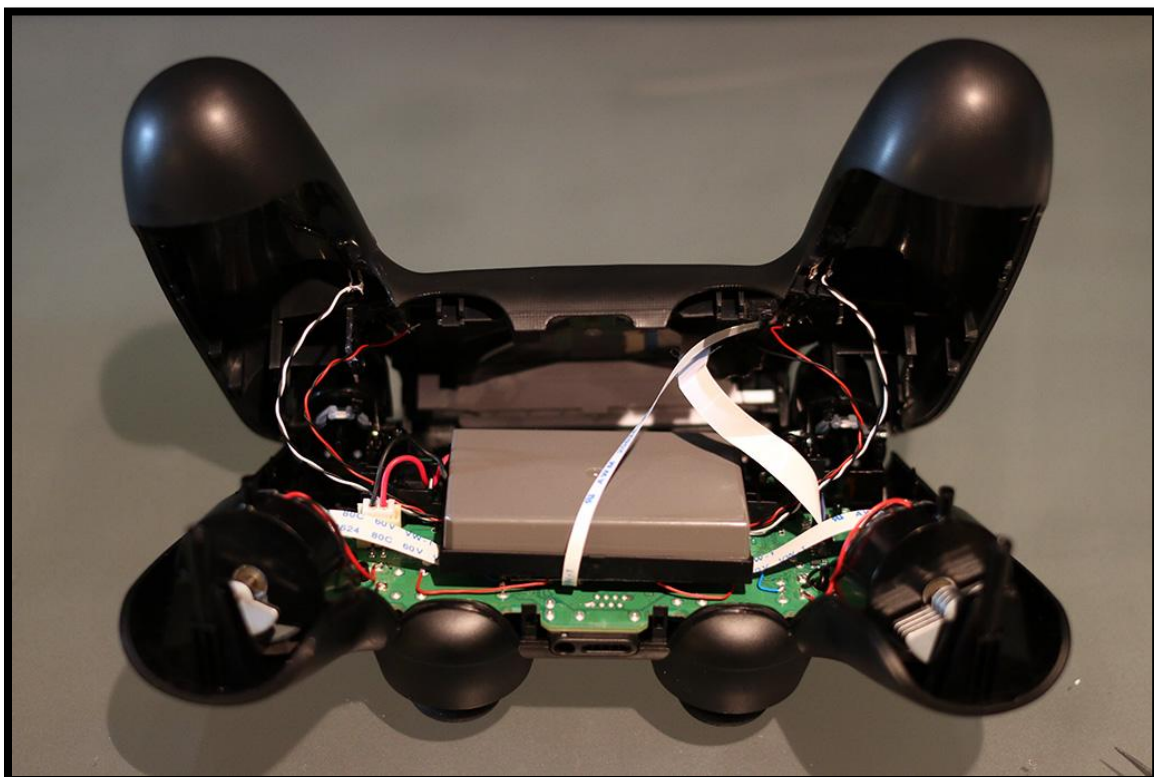
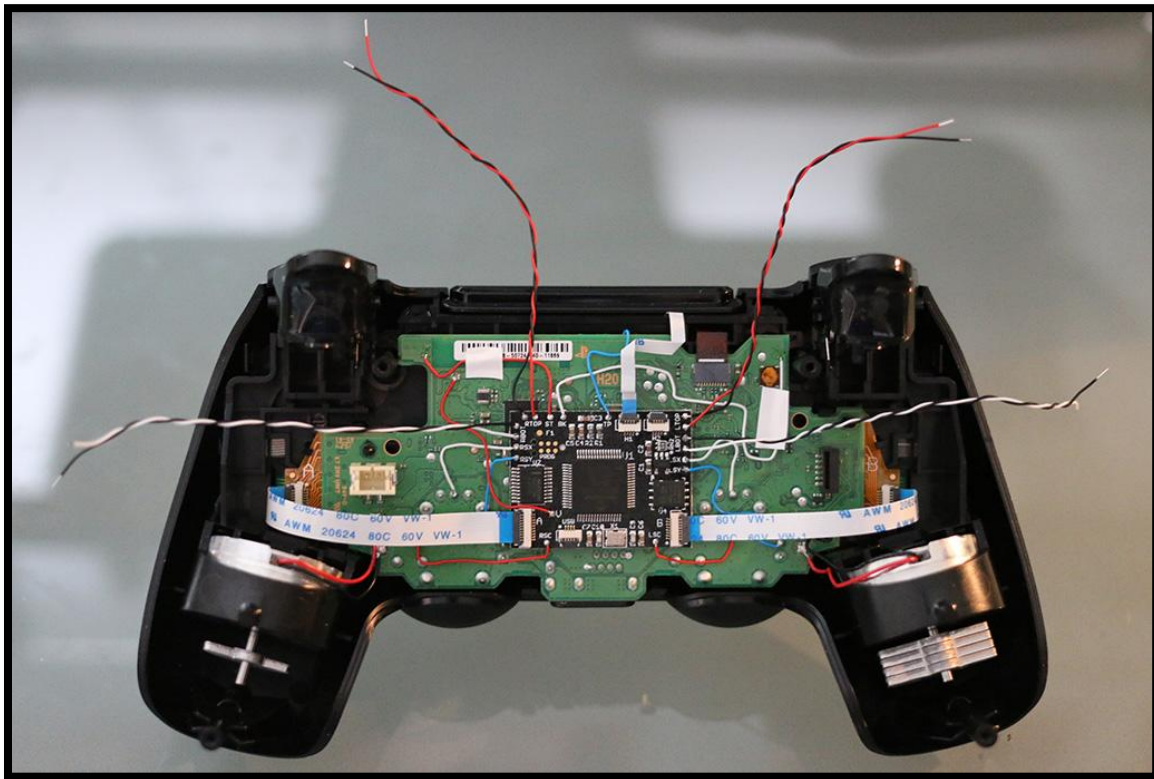
Use hot glue to secure the tactile switches.



Be sure glue doesn't interfere with plastic bracing.

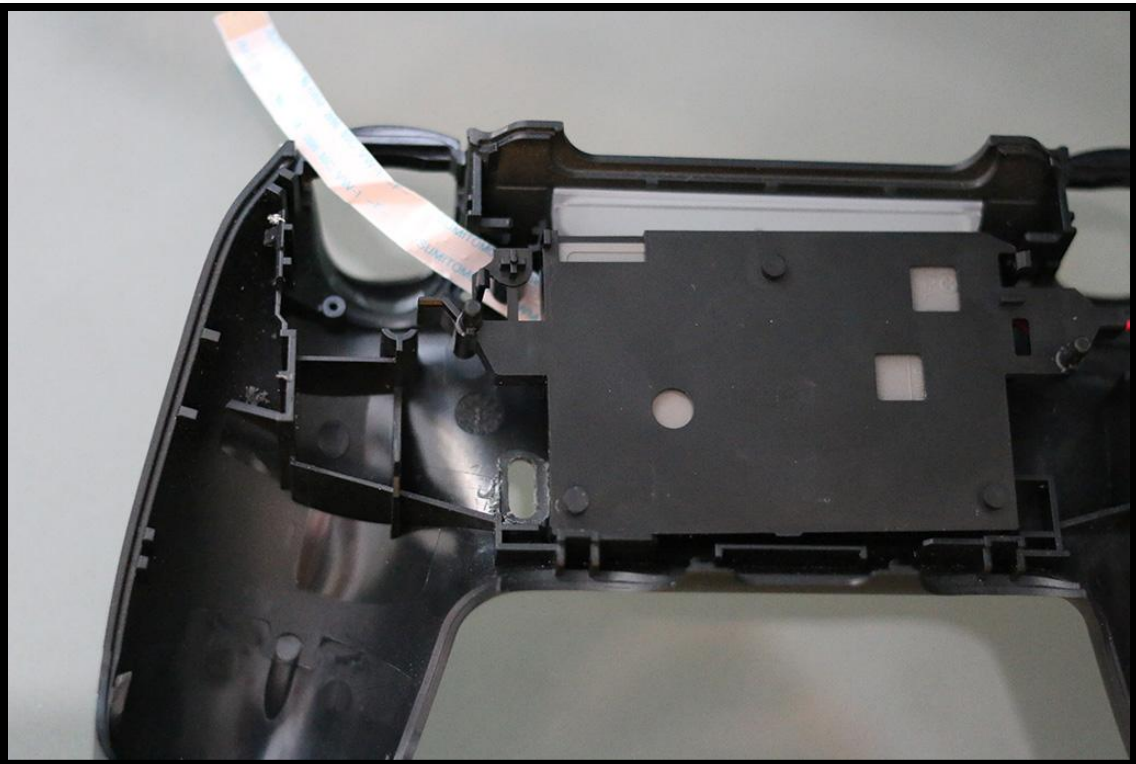


Solder each switch to a wire tail.

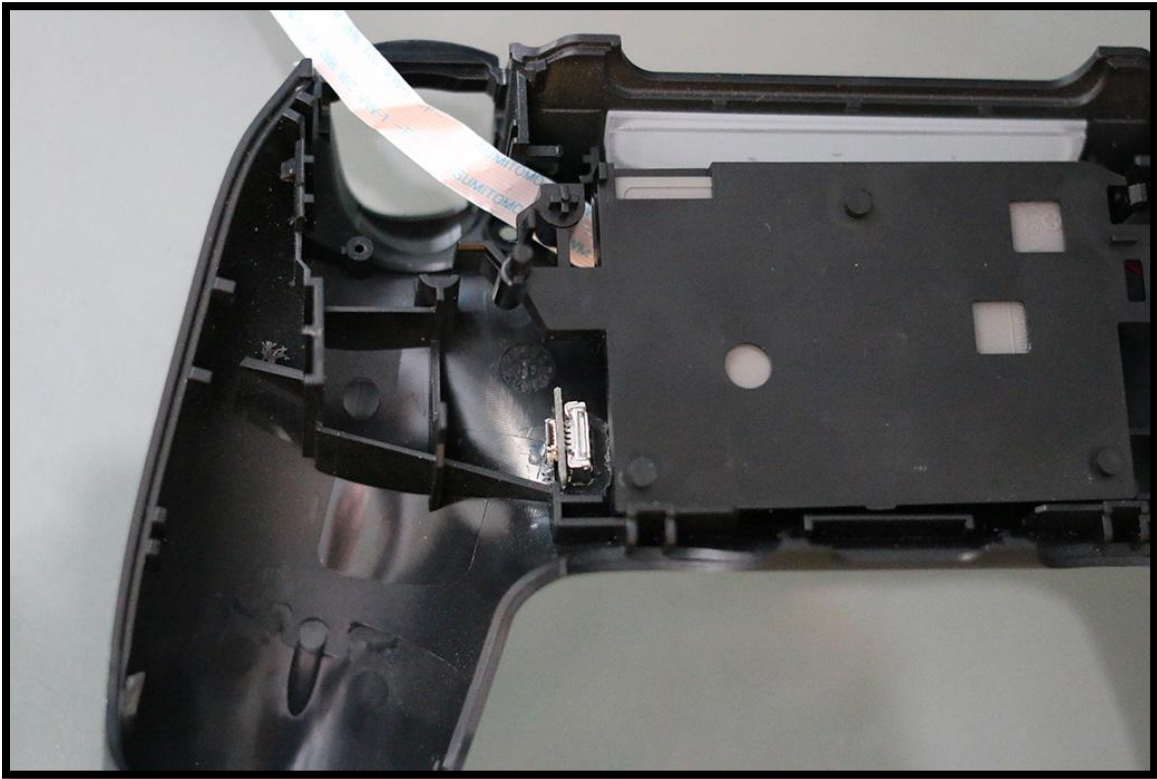


Install USB Port

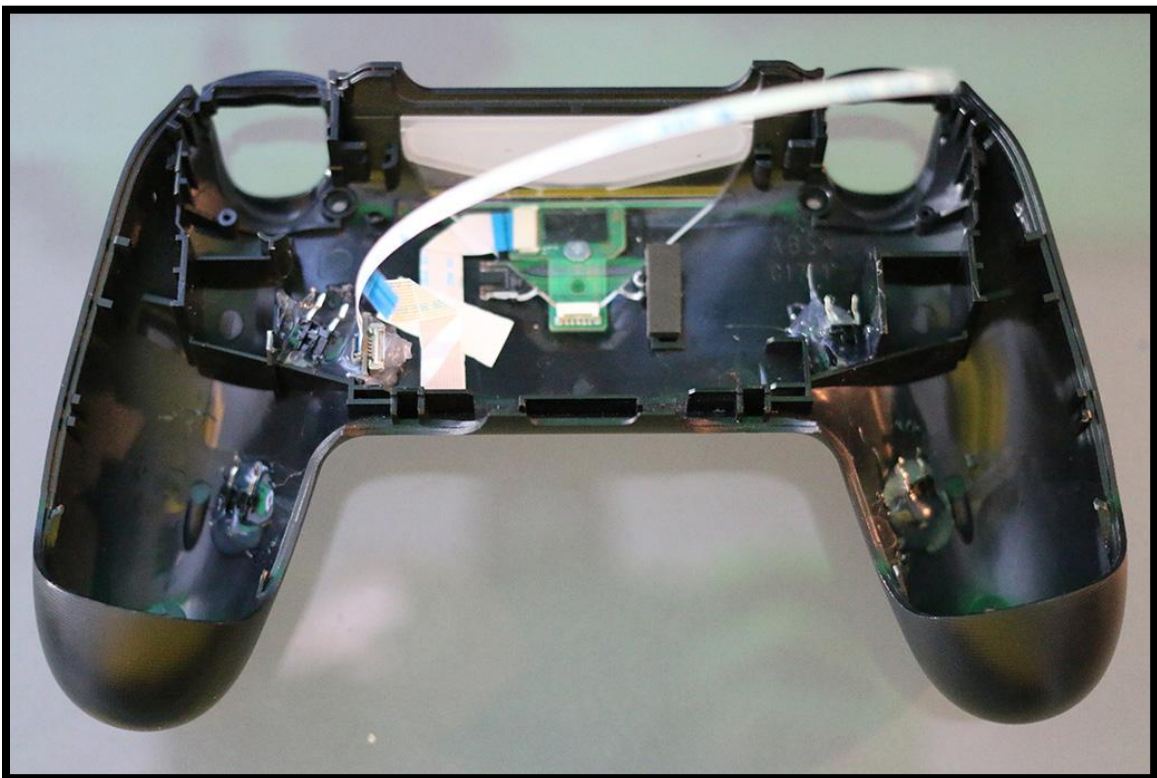
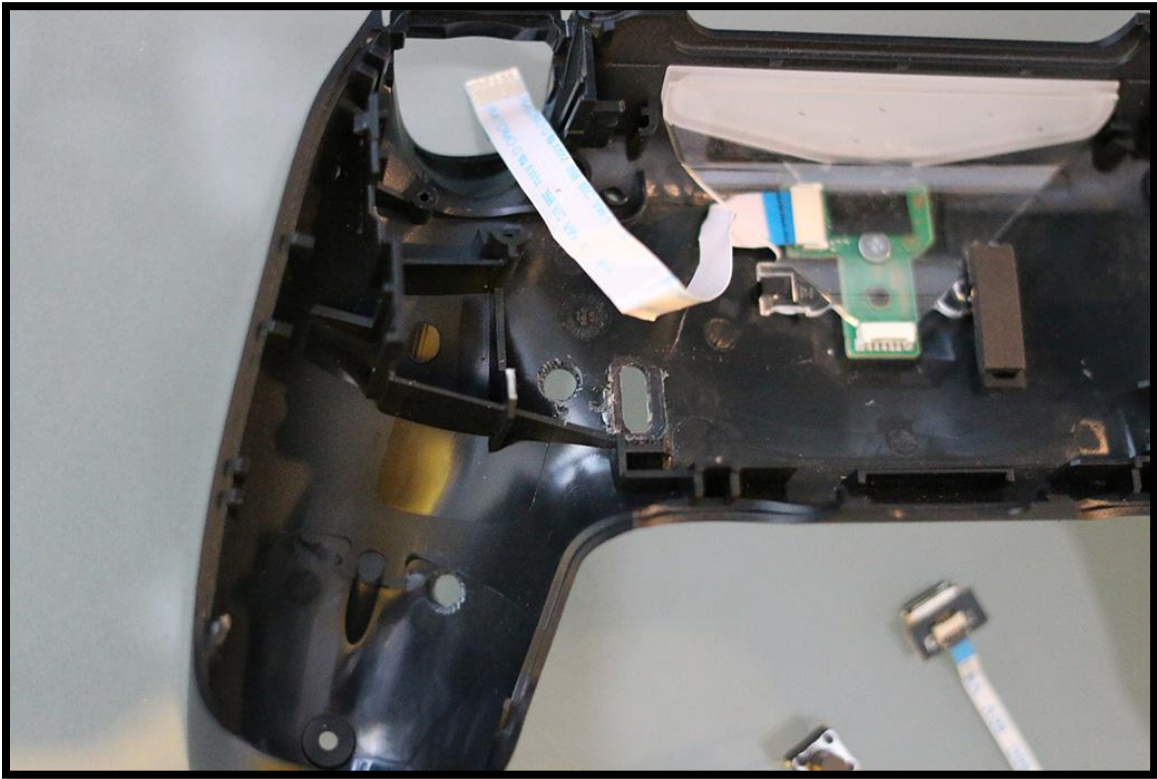
Make a recessed opening for the USB jack. Avoid the battery tray and any black braces.



Test fit the USB jack before gluing.



Insert the ribbon cable and hot glue the USB jack in place.



Connect the USB port to the modchip with the connector cable, blue side “up”.

