# Installation tutorial for Console Customs PS4 TrueFire-Flex Rapid Fire Mod

This tutorial is designed to aid you in installation of a console customs rapid fire microchip. The basic installation of this mod must be done exactly as shown in this guide. The addition of buttons to the mod as shown at the end of the guide is optional

This installation requires making several solder connections. We do not advise attempting this installation if you are a beginner at soldering. We recommend reading through all of the instructions and understanding them before beginning your installation.

**Proceed with this installation at your own risk. We will not be held responsible for any damage to yourself, your controller, your PS4 console or any other equipment.**

**Tools needed:**

- PH00 size Phillips head screwdriver
- Soldering iron (A 15w/30w from radio shack about $15)
- Solder (rosin core solder from radio shack works well so there is no need for flux)
- Wire strippers (that can strip 30ga wire, a 30ga wire wrap tool from radio shack includes a 30ga stripper $8)
- Wire cutters
- Hot glue gun
- 9/64$^{th}$ or 1/8$^{th}$ inch drill bit (Optional, only required if installing buttons)
- Small pocket knife or razor blade (optional but helpful)

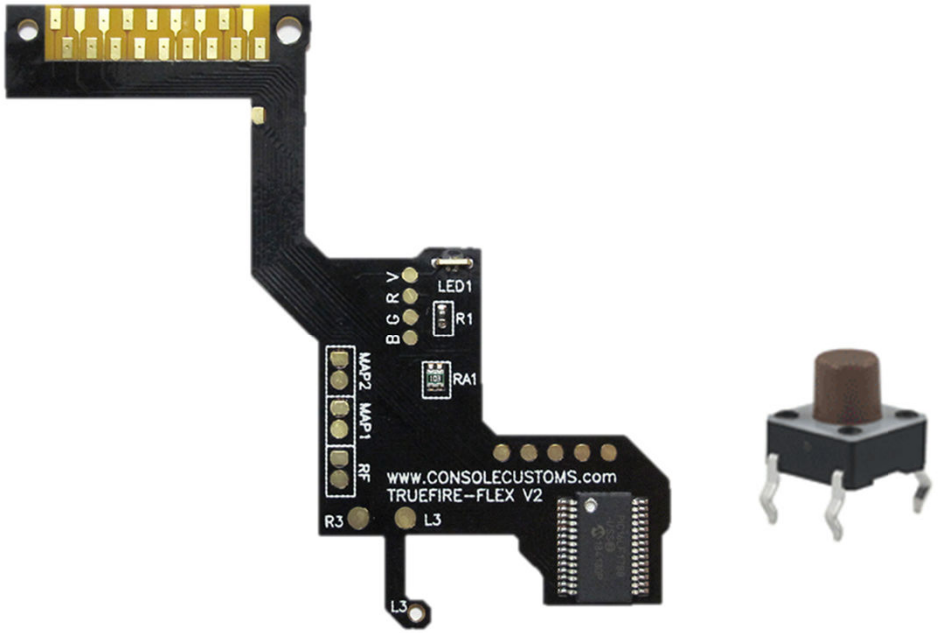
**Please visit our website at www.consolecustoms.com**

**For questions or help please email us at support@consolecustoms.com**

**Sending pictures with support requests will help us to help you quickly!**

# Kit Contents

- You should have the following items in your kit
  1. (1) TrueFire-Flex Flexible circuit board mod
  2. (1) tactile switch
  3. Aprox. 12” wire

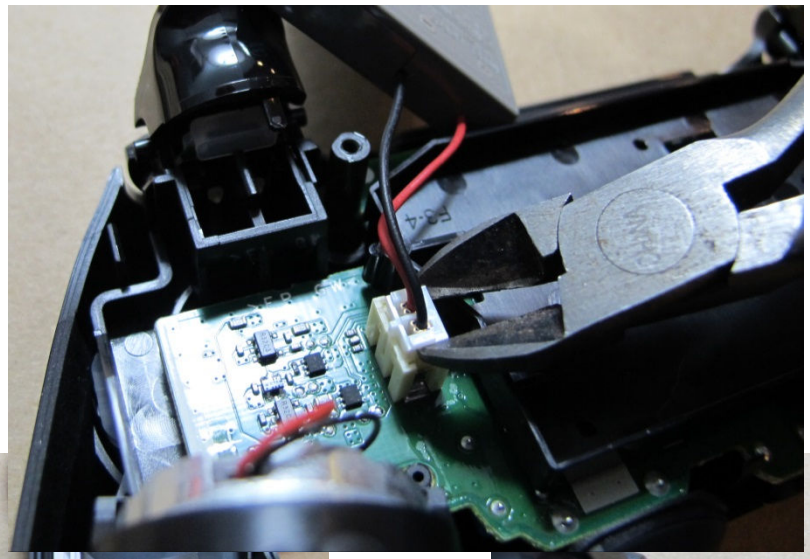


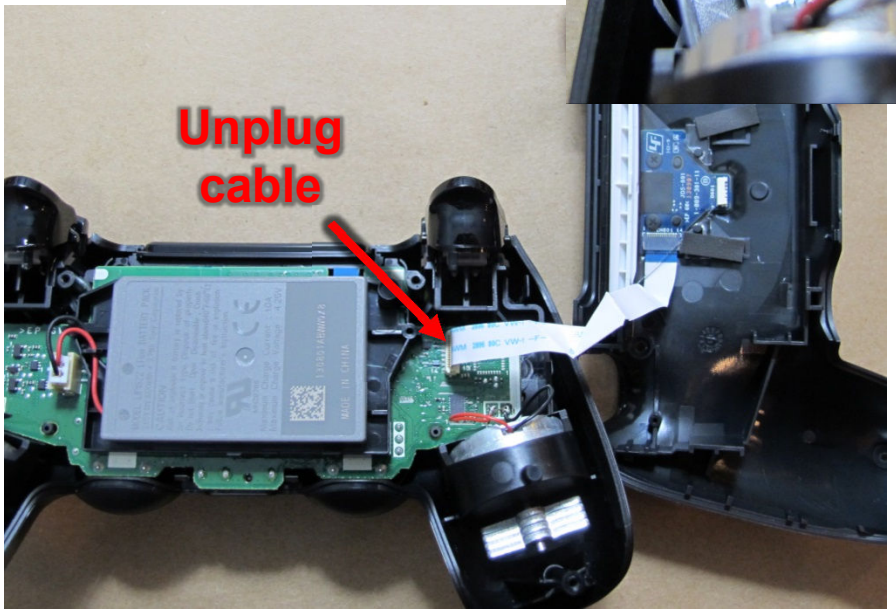
# Step 1: Opening the controller

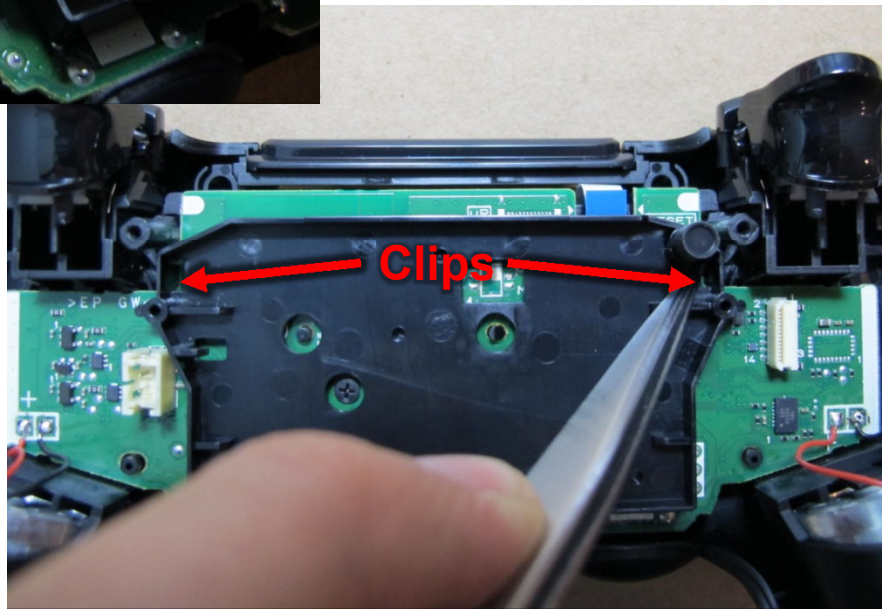
- Remove the 4 Phillips PH00 screws indicated below.
- The controller also has several clips holding it together along the edges. Once the screws are removed we find it is best to separate the shell from the base of the grips as shown below. You will need to use some force to get the controller open due to all of the clips. You must also be careful as there is a ribbon cable that connects the back half of the shell to the front half. See the next page for what this looks like.


# Step 2: Remove Ribbon Cable and Battery.

- Unplug the ribbon cable indicated in the left image below. This just pulls straight out, there are no clips holding it in. You can then set the back half of the shell off to the side.
- Next remove the battery, do not pull on the wires, instead grip the plug with tweezers or side cutters as shown below and pull it out from the plug.
- Finally remove the battery tray. There are two clips as indicated below that hold the tray to the circuit board. Use your PH00 screwdriver or other small utensil and insert it into the hole and push the clip away from the circuit board to lift out the tray.

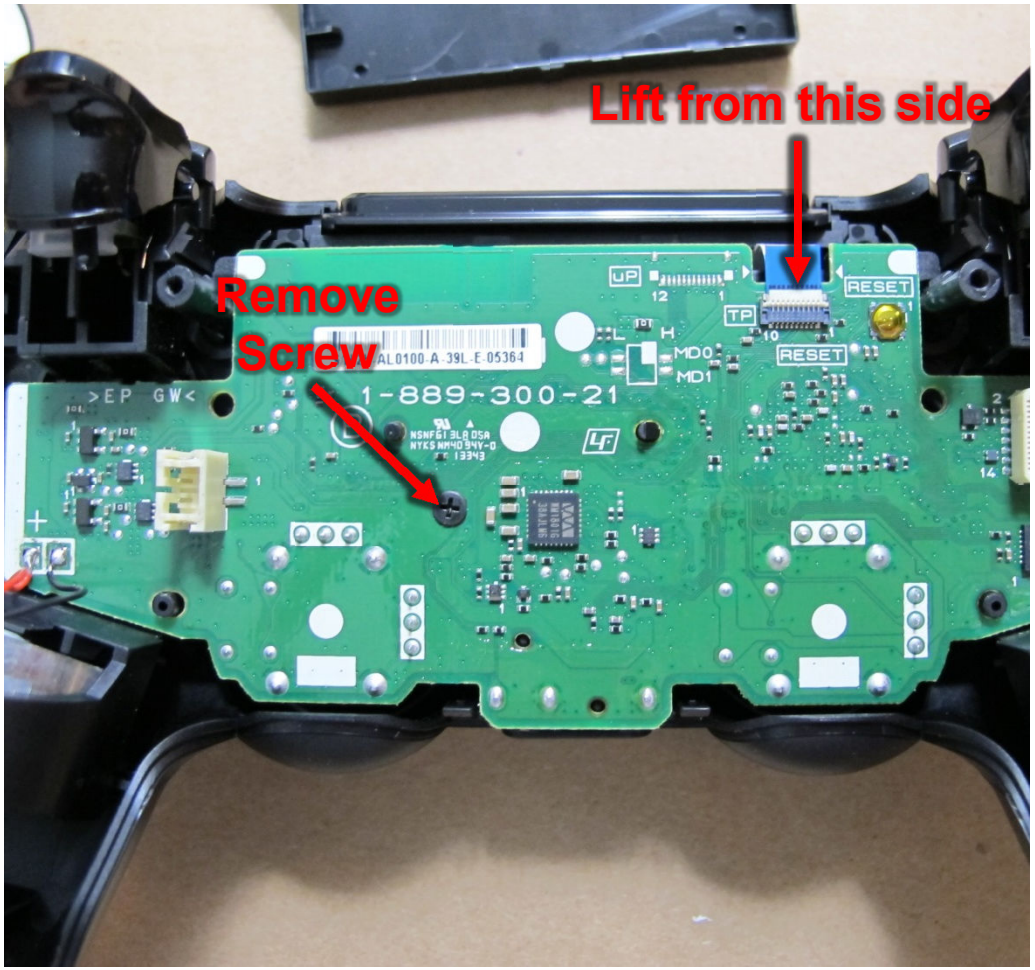




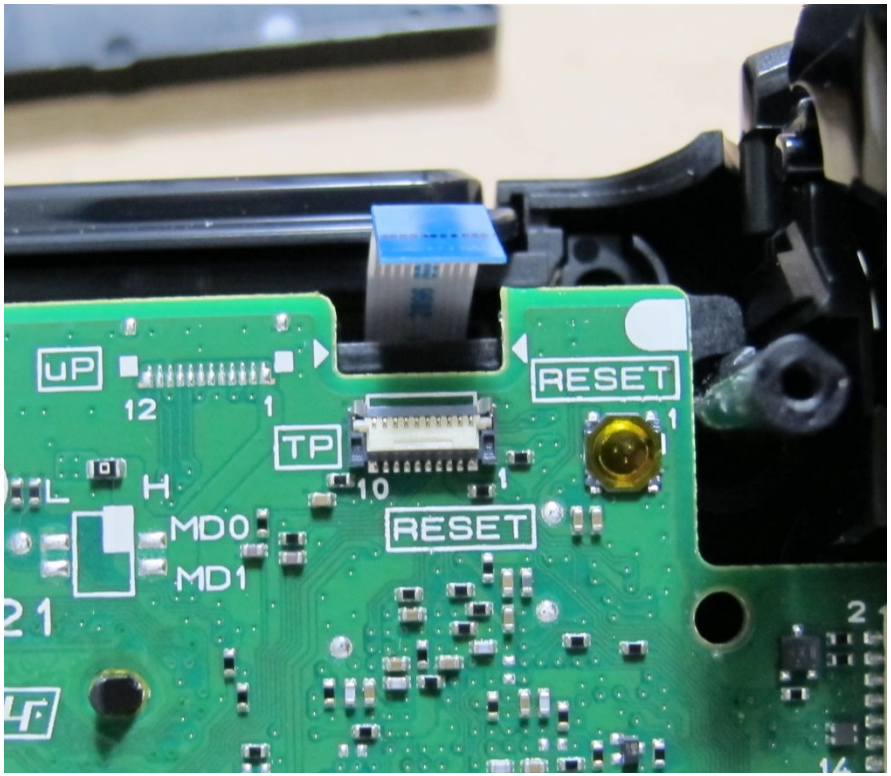



# Step 3: Remove the circuit board.

- To remove the circuit board you must remove the Philips PH00 screw indicated below and also remove the ribbon cable at the top right corner of the board.
- This ribbon cable has a latch holding it in. To release this you must lift up on the white part of the plug from the side where the cable is inserted. Once lifted you can grab the blue tab and pull the ribbon cable out.
- The circuit board can now be lifted straight up. You cannot fully remove it as the rumble motors are still connected but you will be able to lift it enough to flip the board over without disconnecting the rumble motor wires.

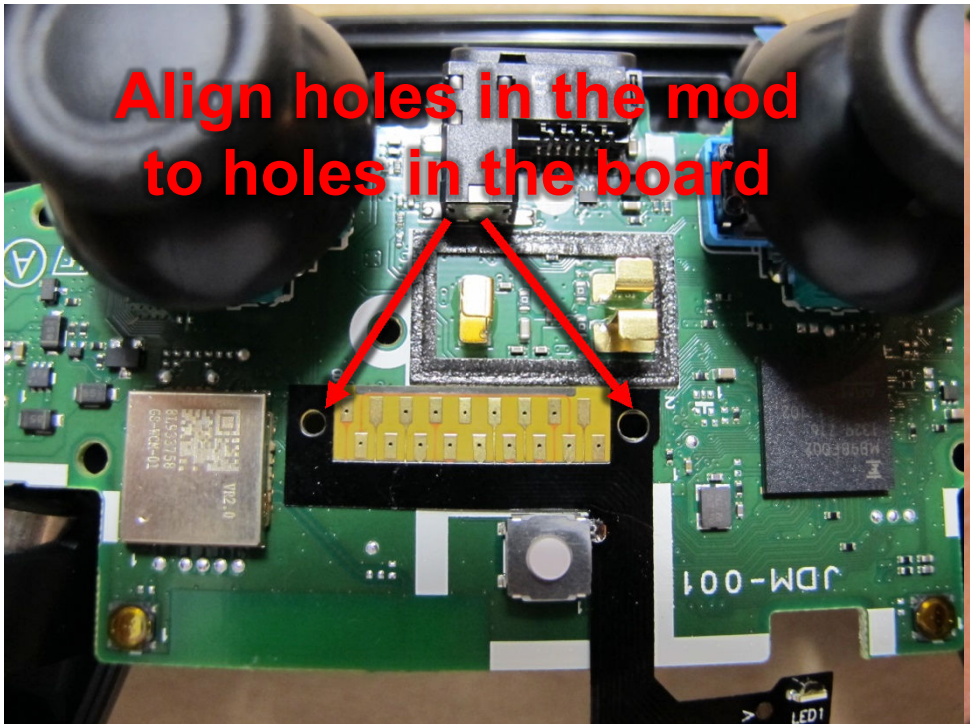


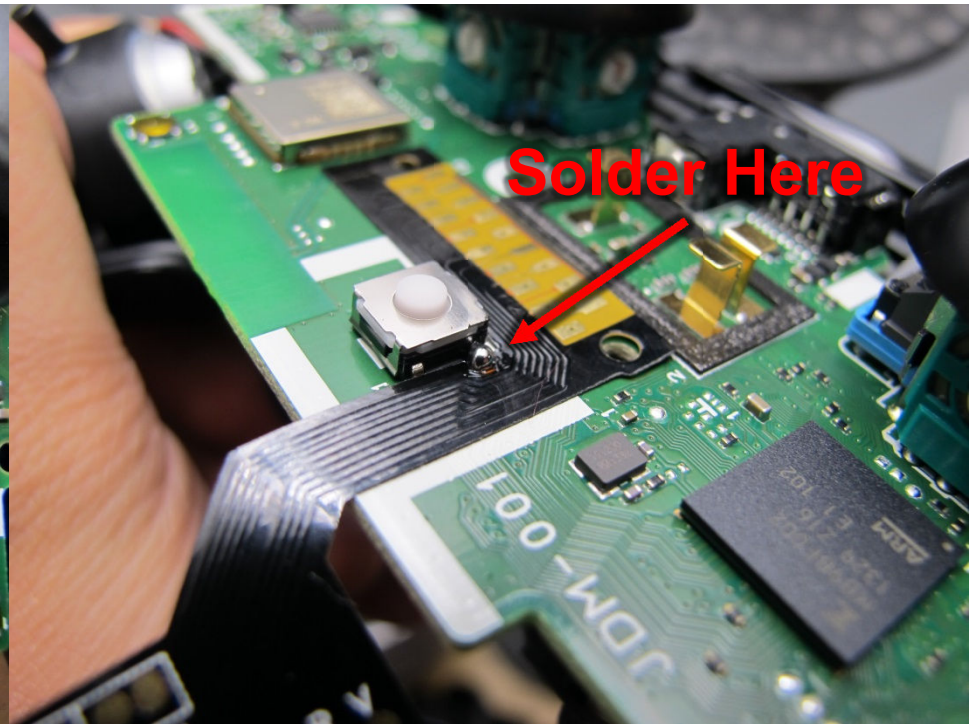

Ribbon cable removed



# Step 4: Placing the board and soldering to the Touchpad button.

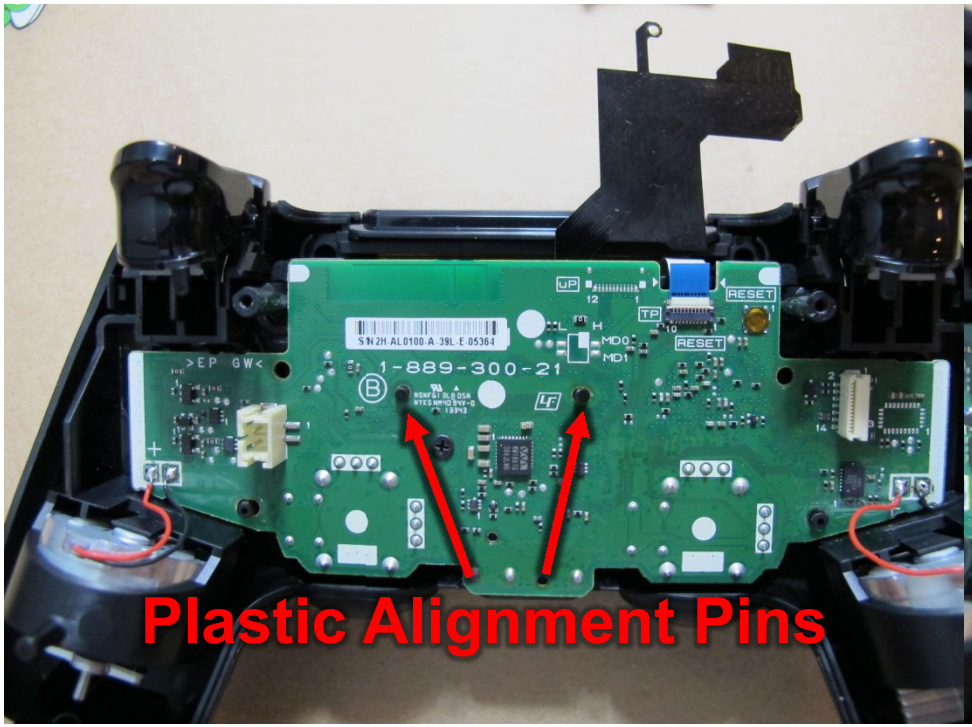
- With the board flipped over you will see the section of small black square in the center of the board. This is where the controllers flex cable makes its connection. Our mod will go in-between these two. You will just take and lay the TrueFire-FLEX on the main circuit board as shown in the left image below. The mod should be aligned and centered with the two holes in the board. It is important that the mod stay aligned while performing the next step of soldering the touchpad button. Because of this we suggest using some scotch tape or masking tape to hold the mod in place while making the solder connection. Just be sure to remove it when you are done.
- Now for what is probably the most difficult part of the installation which is soldering to the touchpad button, this is really only difficult of you did not tape the board to hold it in place. You will see that a small solder pad lines up right next to one of the legs of the touchpad button. Solder this pad to the leg of the button as shown in the right side image.
- Make sure the holes in the mod still line up with the holes in the board. If not you will need to reheat the solder connection of the touchpad button and realign it while the solder is liquid.
- Remove the tape if you used it and flip the board back over into place.

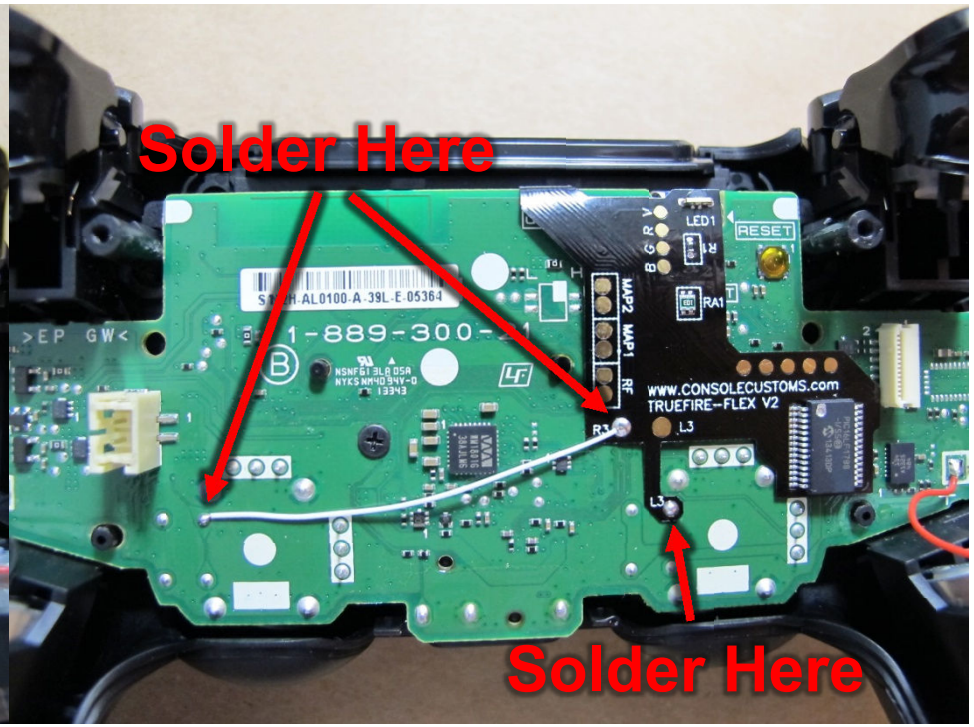


# Step 5: Replace ribbon cable and screw, then solder remaining connections.

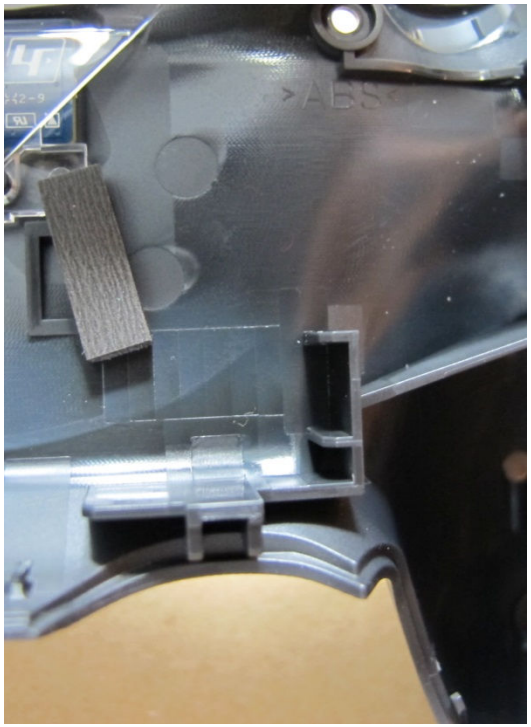
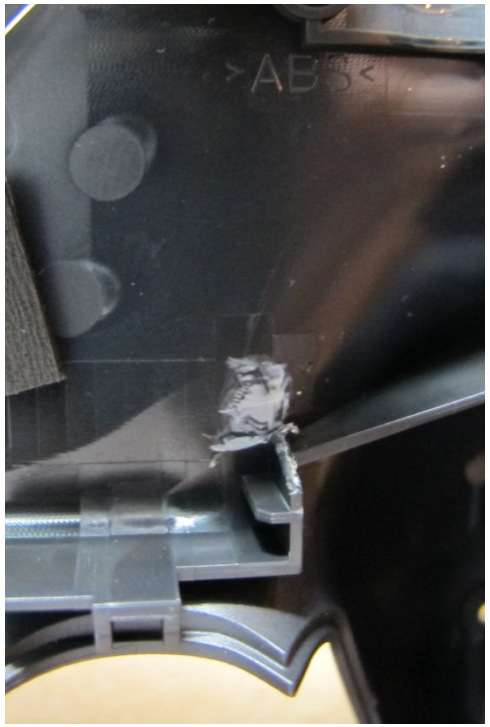
- With the board flipped back over make sure the two plastic alignment pics are sticking through the board as shown below. Then replace the screw in the board and ribbon cable. Make sure to flip the latch of the ribbon cable back down to hold it into place.
- Now bend the mod over the board so it lays on the back side. You will see that the hole in the leg at the bottom of the board lines up perfectly with the L3 connection. Hold or tape the mod and solder this connection to the pin sticking through the controllers circuit board.
- Now cut a small length of wire and solder from the Pad labeled R3 on the mod to the R3 pin on the controller shown below.
- The basic installation is now complete. With the basic installation you will use LEFT o nthe D-pad in combination with other buttons to turn rapid fire and other features on/off. If this is good for you may skip to step 8 for guidance on putting the controller back together.
- Link to User Guide: [PS4 TrueFire-FLEX User Manual]



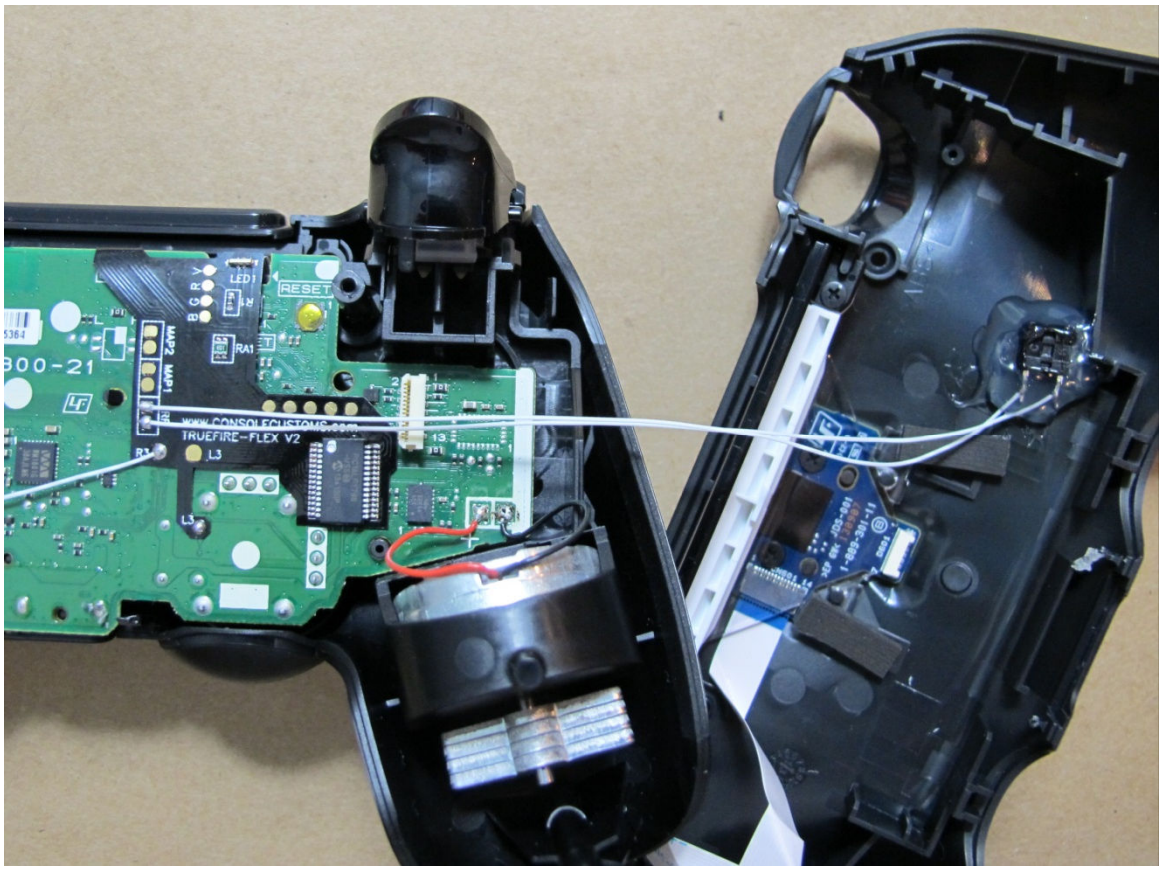
# Step 6: (optional) Installing Rapid Fire or Reflex Remapping Buttons.

- With the TrueFire-Flex you can optionally add a button to quickly turn on/off the rapid fire and also turn on/off other features faster than using the D-pad.  You can also add up to 2 reflex remapping buttons. Remapping buttons are buttons that you add to the back of the controller to which regular controller buttons can be mapped. For example you can have a button mapped to X so you can jump by pressing the reflex button instead of having to remove your thumb from the thumbstick to press the actual X button. Because the reflex buttons are part of our TrueFire-FLEX mod they can be remapped to any controller button even directions of the D-pad, allowing for greater flexibility than any other mod out there. This is all done in the controllers programming mode. See the user guide for full details.
- Below you will find a series of pictures showing where we put our Rapid Fire button. There are very limited location in these controllers due to their compact size. We choose this location for the RF button so it is out of the way as it is not used all the time. If you are installing Reflex buttons you may want to place them on the inside of the grips where your fingers rest for faster access.
- We cut out part of the support for the case on the right side and drill the hole where the top part of this support used to be. As you can see this puts the button partially through the label on the back of the shell. We use a countersink to clean up the hole and make it look nice, you could also use a knife to cleanup the edges.
- Moving the hole close to the center the button will hit the battery and the shell will not close. Further outside and you are on a curved surface which will be hard to mount the button. Higher up and the button will hit the plug for the battery.

# Step 7: (optional) Button Installation Continued.


- Take the included button and flip it over you will see there are two pairs of legs. One “pair” is along the same edge of the button. You will want to remove one pair of legs so that you are left with one edge of the button that has 2 legs on it and the other three edges have no legs.
- Place the button on the hole and hot glue it into place DO NOT use Super glue, super glue will seep into the button and cause it to stop working. Two part epoxies are also OK but hot glue is the easiest to work with.
- It is best to face the legs away from the center of the controller (opposite of the picture) so that they do not hit the battery when trying to close the controller.
- Now place the two halves of the shell close to each other and run two wires from the two pads labeled RF to the two legs of the button. It does not matter which pad goes to which leg.
- To install reflex buttons just solder the wires to the pads labeled MAP1 and/or MAP2.
- You are done, now lets put everything together.

# Step 8: Reassemble the Controller.

- First put back the black battery tray making sure it snaps/clips into place.
- Plug in the battery and place it in the tray with the wires toward the top of the controller.
- Plug back in the ribbon cable from the back half of the shell. The bare metal side should face toward the center of the controller. This cable just pushes in there are no clips or latches.
- Bring the back half of the shell over the front and angle the back so that the triggers go through the hole first. Then lower the bottom edge of the shell. There are posts at the base of the rumble motors that you will most likely have to give a little push on the allow the back half of the shell to go past them. Then just snap the shell together and reinstall your screws.
- If the shell will not full close do not force it. Open it back up and see what is blocking the shell. The ribbon cable, wires from buttons or placement of buttons may not be allowing the shell to close properly.

- Link to User Guide: PS4 TrueFire-FLEX User Manual