

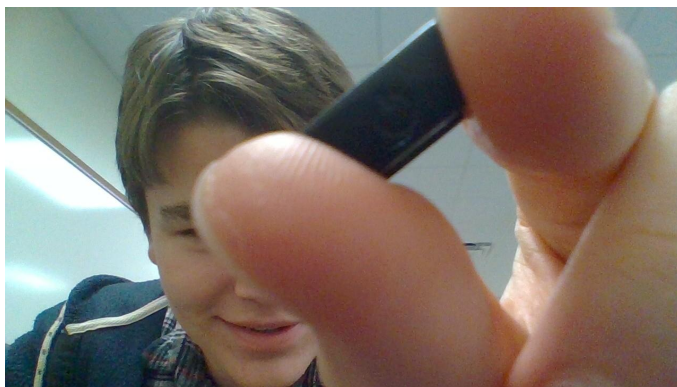
Ashton and I are reverse engineering an old vex robotics controller. He is unscrewing the screws on the backside of the controller. When we got the controller it didn't have the battery and the radio in the back, so our teacher allowed us to take it apart. The Philips Screwdriver we had from our teacher was not thin enough to fit all the way down in some of the holes to unscrew them. So we only have 5 screws unscrewed on the back of the controller. We got a different Philips Screwdriver that is longer and thinner from our second robotics teacher after the other teacher didn't have a thinner Philips Screwdriver. We got one of the deep screws out and started on the next knowing that this screwdriver will work. The 7th screw is almost impossible to unscrew and as I wrote this it worked.

We popped open the controller and found the buttons falling out of place and these little rubber things. They seem to be the part that pops the buttons back up after pressed. The joy-con system is very complex and surprised me when I opened it. The backplate of the remote was difficult to get off since the screws in the motherboard of the remote won't come out. We didn't have a small enough screwdriver for them.

Motherboard:

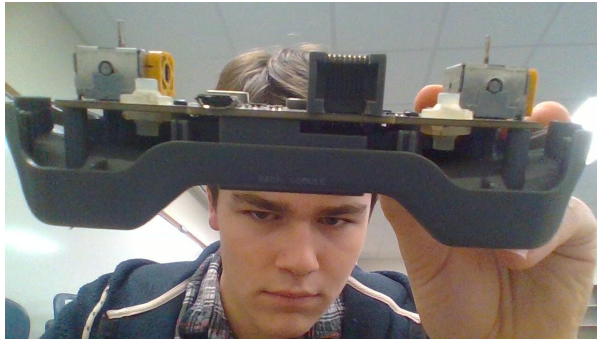


Power Button:





Controller:



Regular Buttons:



Rubber Sensors:



Rear Rubber Sensors:



Joy-Cons:



All parts

