



Phoenix 4.0 Update Instructions

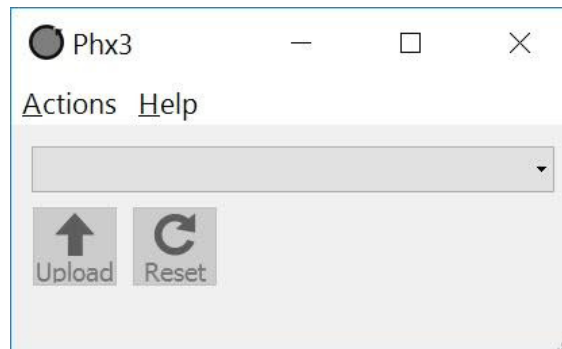
Step 1) Install Drivers

Insert the included Micro SD/ USB adapter into an available USB port on a Windows PC. Run the included "Driver Install" program. This program will check if you have the necessary drivers installed on your computer and install them if needed.

Step 2) Run the Phoenix Loader program on your computer

Double click on the Phoenix Loader program to run it. Your computer may show a pop-up message or dialog box asking you to confirm that you'd like to run the program. Confirm any pop-ups and the Phoenix Loader program should run and appear similar to the image below.

Note: Two versions of the Phoenix Loader program are included to ensure compatibility with different computers and Windows versions. First try the standard "Phoenix Loader" program. If this fails then use the "Phoenix Loader win32" program instead.



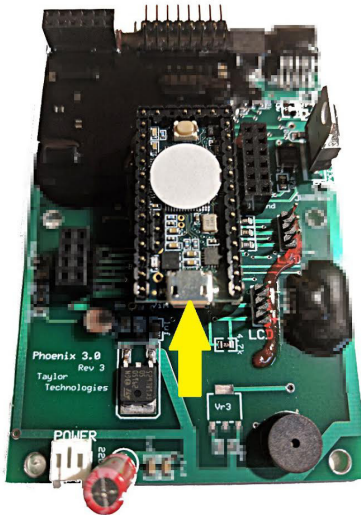
Step 3) Open up your Phoenix tool

Find a **clean work area**, unplug **all** accessories from the Phoenix tool and remove the 4 magnet screws from the back of the machine. It is ***extremely important*** to have NO POWER connected to your Phoenix tool at any point during this update process. Each screw contains a magnet and spacer that will need to be reinstalled later (set them aside for now). With these screws removed, remove the front cover of your Phoenix tool.



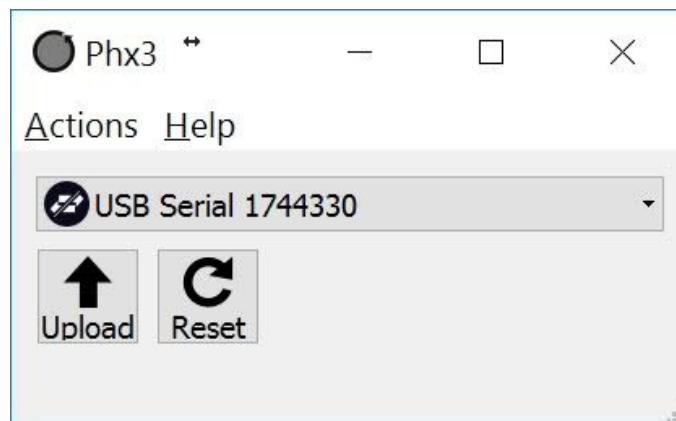
Step 4) Connect USB Cable

Locate the micro USB cable that was included with your Phoenix machine. First, connect the larger end of this cable to a USB port on your computer then connect the smaller end to the micro USB plug inside the Phoenix machine (see the yellow arrow below). The two "notches" on the tip of the micro USB cable should be oriented facing UP when plugging into the Phoenix tool. Your Phoenix machine will now display "Programming Mode" on its screen.



Step 5) Wait for computer to detect Phoenix

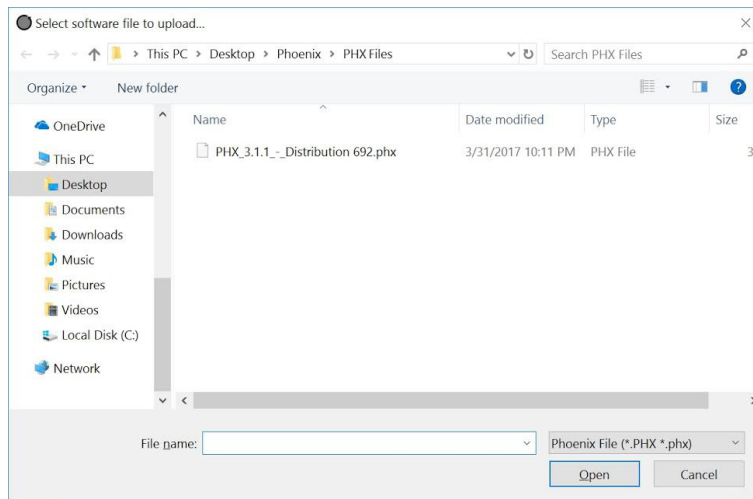
Your computer will now detect the new hardware connection and go through a setup process. This process varies by computer and operating system and can take anywhere from 15 seconds to 15 minutes. Make sure to confirm any "New Hardware" message boxes that might pop up during this process. Once your computer has completed it's setup process the center box in the Phoenix Loader program will show either "USB Serial" or "Phoenix Detected" followed by an identification number (see below). You are now ready to send new software to your Phoenix machine.





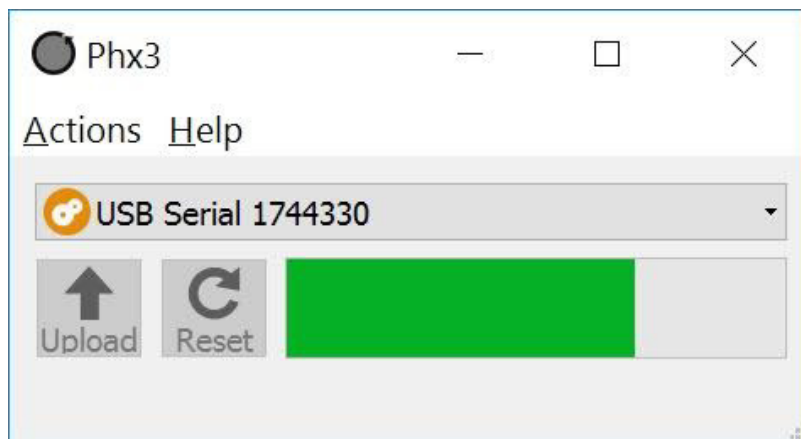
Step 6) Select and upload new software

Click the Upload button in the Phoenix Loader software. You will then be prompted to select the software you want to send to your tool. Select the 4.0.1 software and click Open.



Step 7) Allow program to upload to the Phoenix

After selecting the software file the Phoenix Loader program will automatically upload the file to your Phoenix machine. A green progress bar will show during the upload process. The upload process is very quick and will complete in less than 10 seconds.



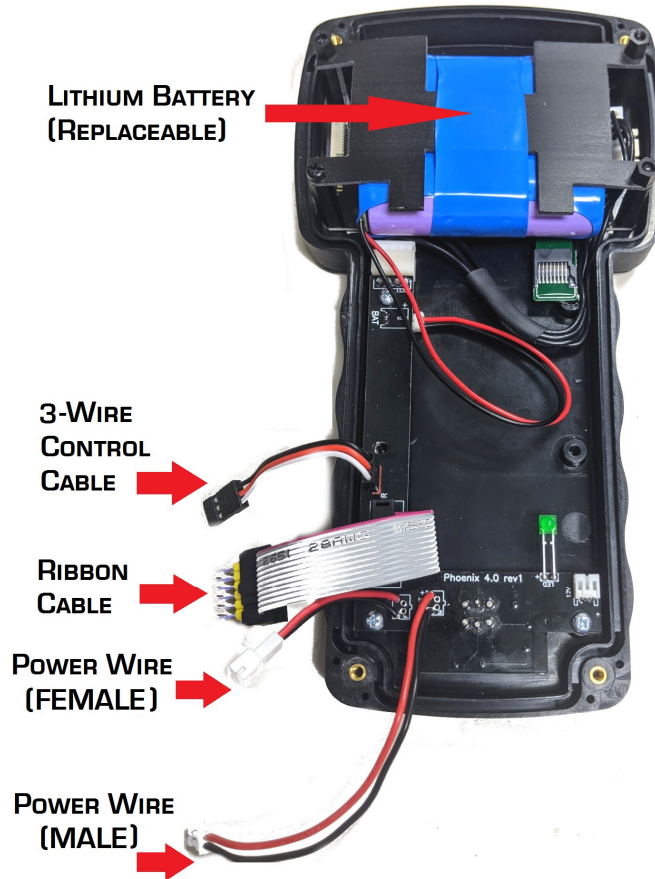
Step 8) Confirm your new software has been uploaded

After uploading, your Phoenix tool will restart and the screen will now display “Connect Touchscreen”. Congratulations, your Phoenix is now ready to be converted to touchscreen use!

Step 9) Unplug & remove LCD screen

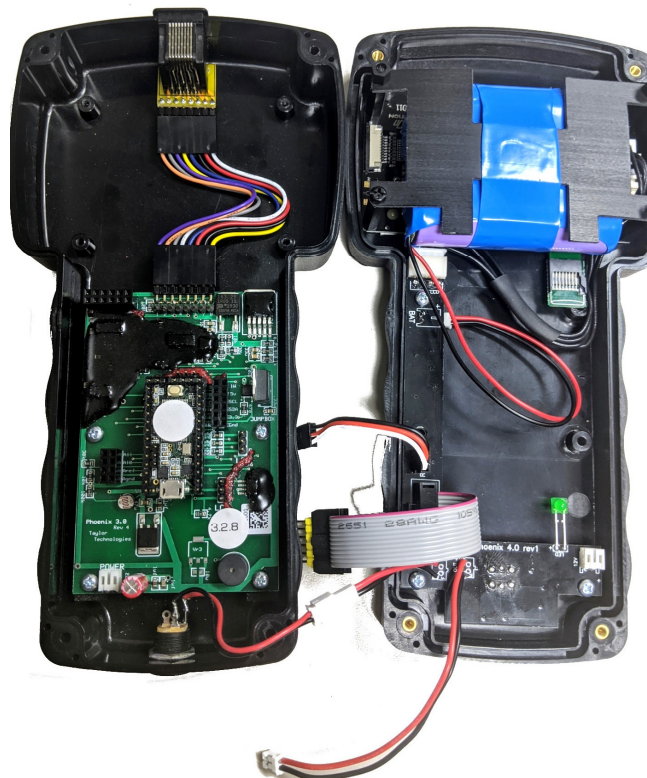
Unplug the USB cable from the Phoenix. Unplug the existing LCD unit from the main Phoenix circuit board (two 3-wire cables - red, yellow, orange - circled in RED below). Remove the entire LCD screen assembly from the Phoenix by removing the four small Phillips head screws securing the black LCD mount inside the case (see YELLOW circled and YELLOW arrows).





Step 10) Prepare touchscreen front cover

Carefully un-wrap the touchscreen front cover included in from your upgrade kit and place it face down on the right side of your Phoenix lower housing.





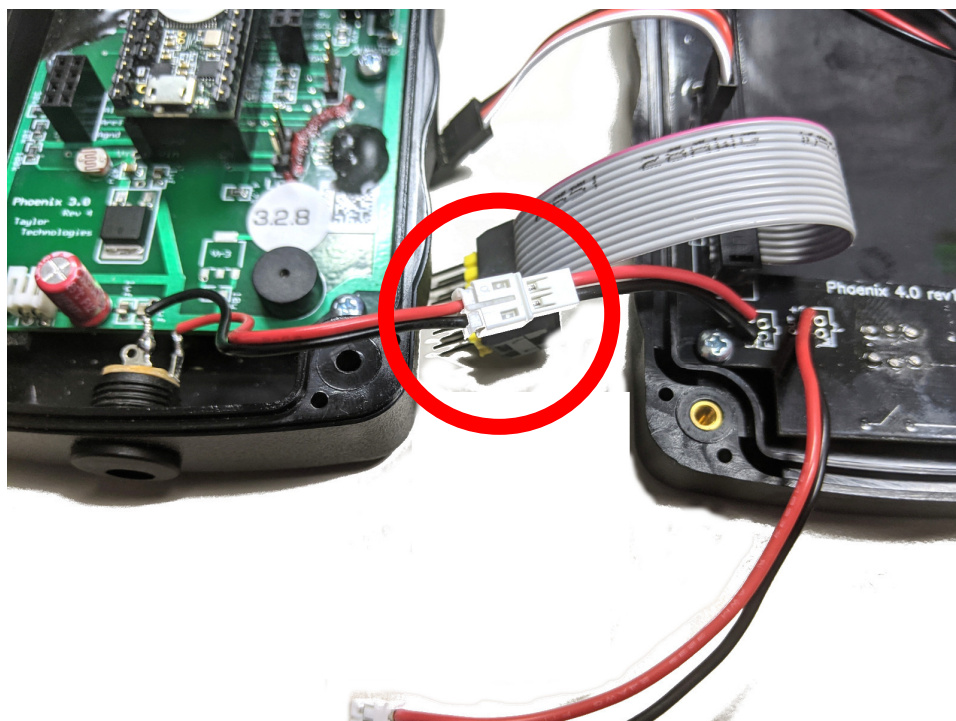
Step 11) Unplug the red/black power wire from the main board

Carefully unplug the red/black power wire running from the power jack to the main Phoenix circuit board (see YELLOW arrow below)



Step 12) Plug the power jack wire into the FEMALE power wire on the new touchscreen front cover

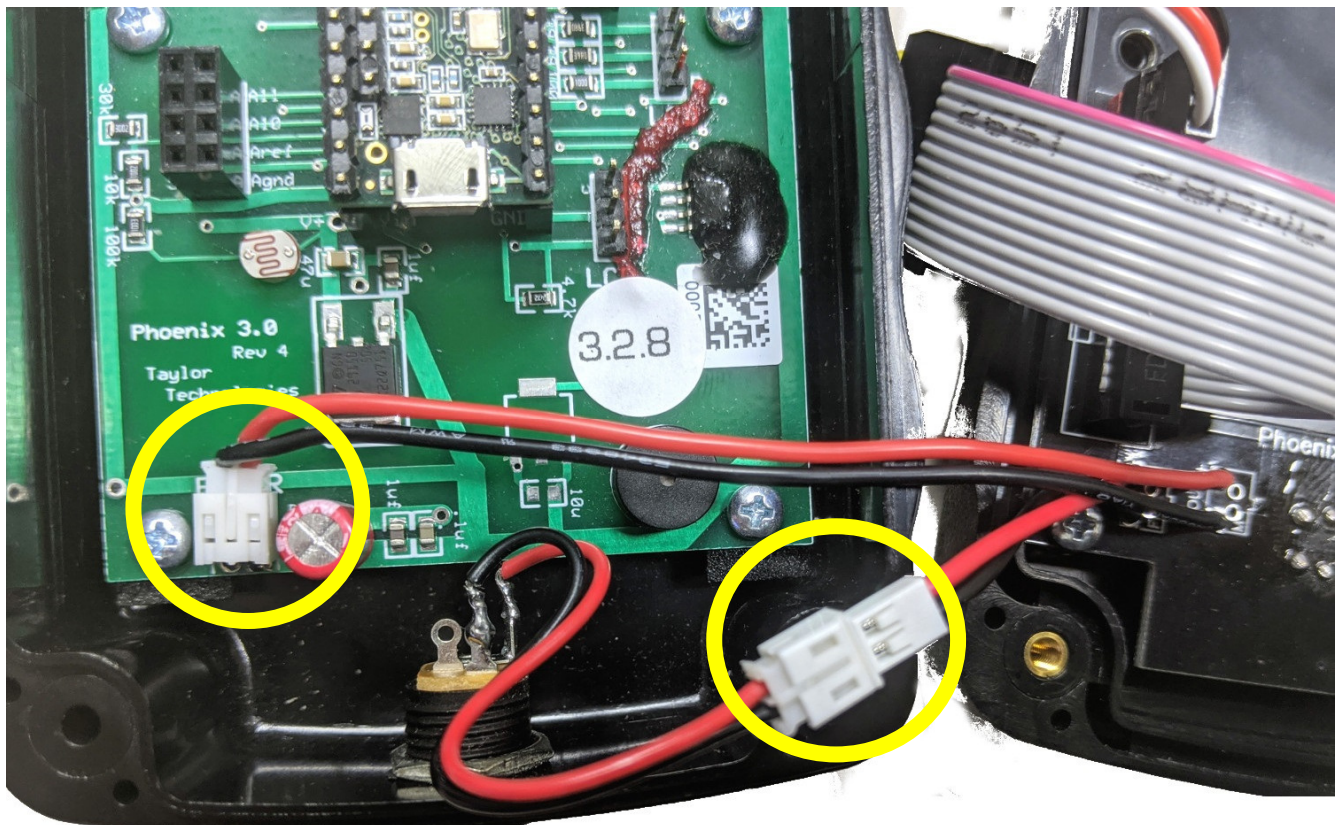
Your power jack now becomes a charging port for your new internal lithium battery pack.





Step 13) Plug the MALE power wire from the front cover into the power jack on the main Phoenix circuit board

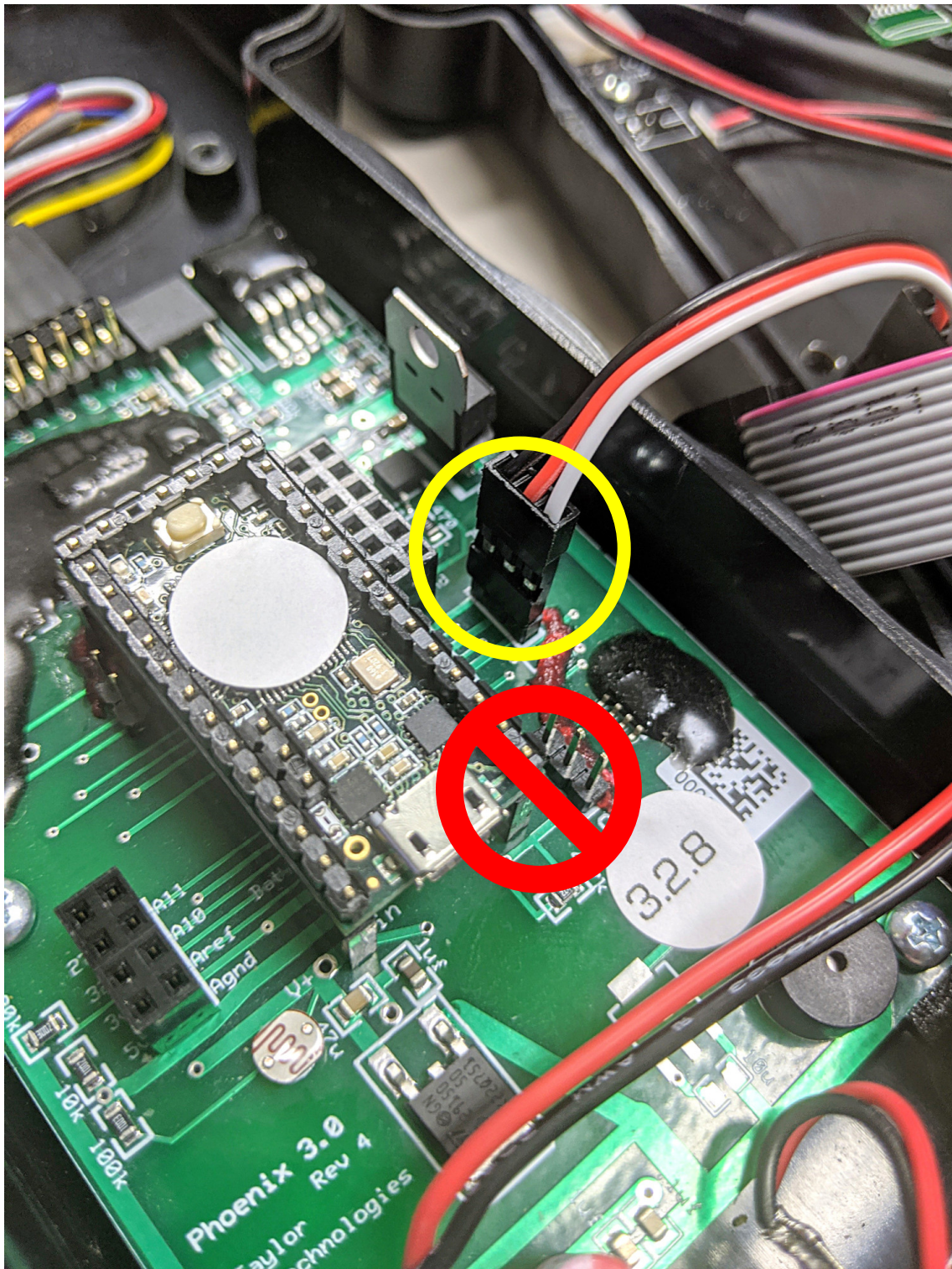
Your Phoenix can now be fully powered by your new rechargeable lithium battery pack.





Step 14) Plug the 3-wire control cable from the front cover to the TOP 3-pin header on the main board

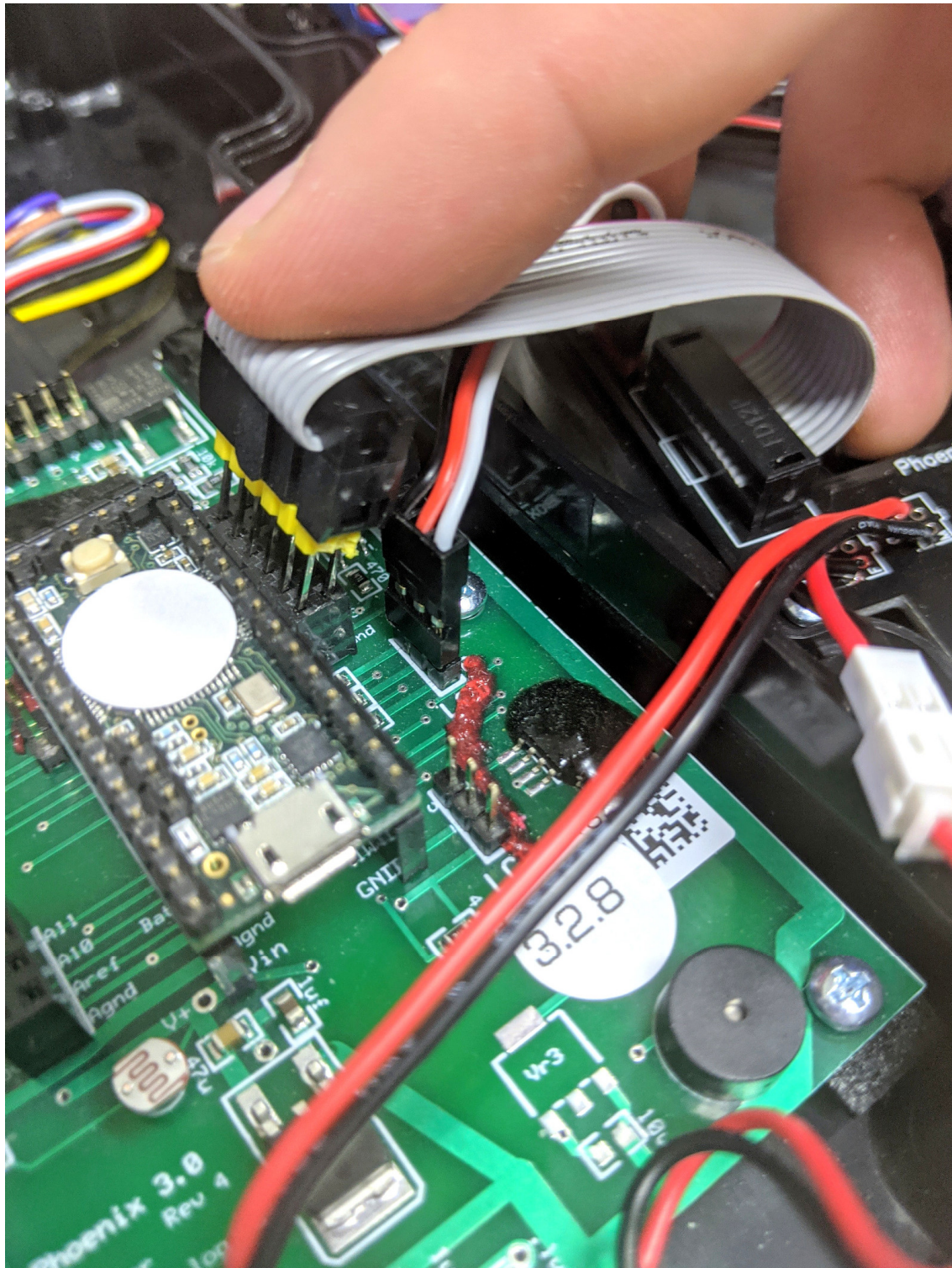
IMPORTANT: MAKE SURE NOT TO PLUG THE WIRE INTO BOTTOM 3-PIN HEADER!!





Step 14) LAST STEP! Plug ribbon cable into 2x6 double row connector on the main Phoenix board

VERY IMPORTANT!! Make certain that male pins are correctly aligned and that all 12 pins on the the ribbon cable are properly inserted into the connector on the Phoenix board.





Upgrade Completed!

Congratulations, your Phoenix has now been fully updated to the new 4.0 platform. At this point, simply fold the new front cover over onto the base making sure not to pinch any wires. Once the cover is in place, secure it using your existing screws and the new mounting magnets that were included with your upgrade kit. Remember to also install the white spacers on each screw to ensure proper alignment.

Once the front cover is in place, press the new POWER button on your Phoenix to awaken the beast. After tapping the screen to advance you will be prompted for a Software Activation Code to activate your new update. The Phoenix will display a 12 digit alphanumeric software key on the screen. Record this key and visit our activation page at <https://www.taylortechtools.com/activate> to complete your software activation.

Please retain these instructions and your Phoenix Loader program for use with future software updates.

Troubleshooting

- Make sure to use the micro USB cable that came with your original Phoenix Kit. This cable is a standard micro USB cable with *data and power*. Many micro USB cables are for charging only and carry power but no data. These "charging" cables are common with cell phones and cannot be used to program the Phoenix (they will only power on the machine to "Programming Mode" but not transmit data)
- Allow sufficient time for any drivers to be installed before attempting to upload the software using Phoenix Loader. This may take up to 15 minutes or more. The Phoenix Loader software will detect your connected Phoenix once the new hardware installation is completed (see Step 5)