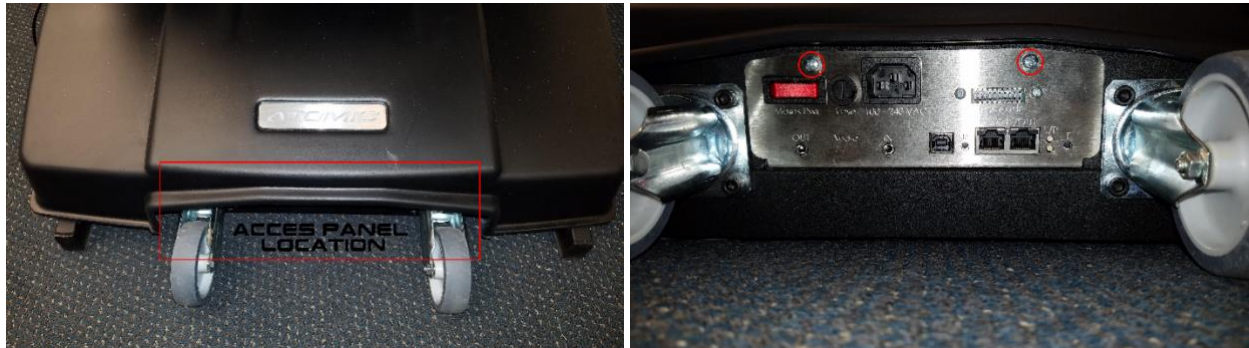
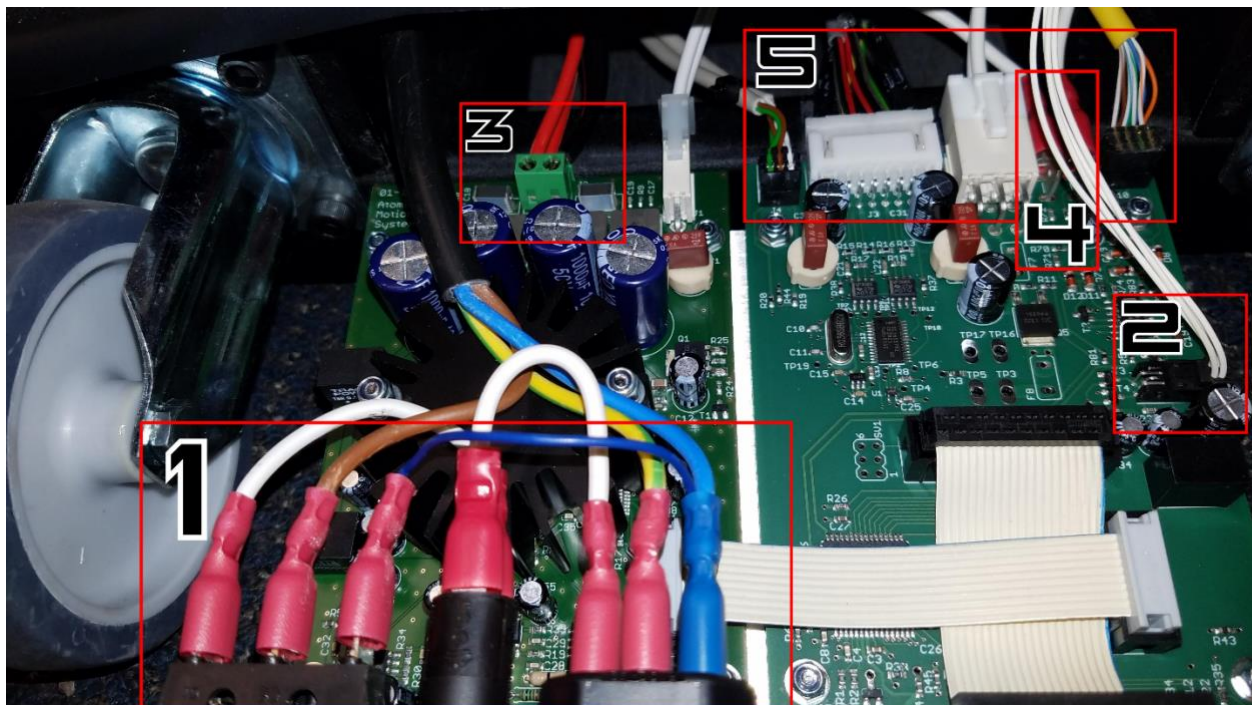


Removing the Control Board on an Atomic A3

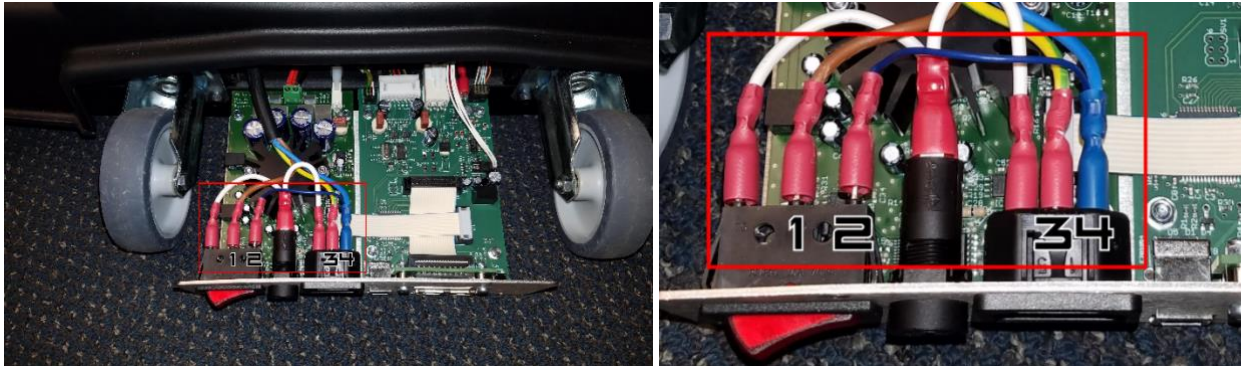
1. The control board is located underneath the ATOMIC logo, and can be accessed by unscrewing the two screws located on the back panel.



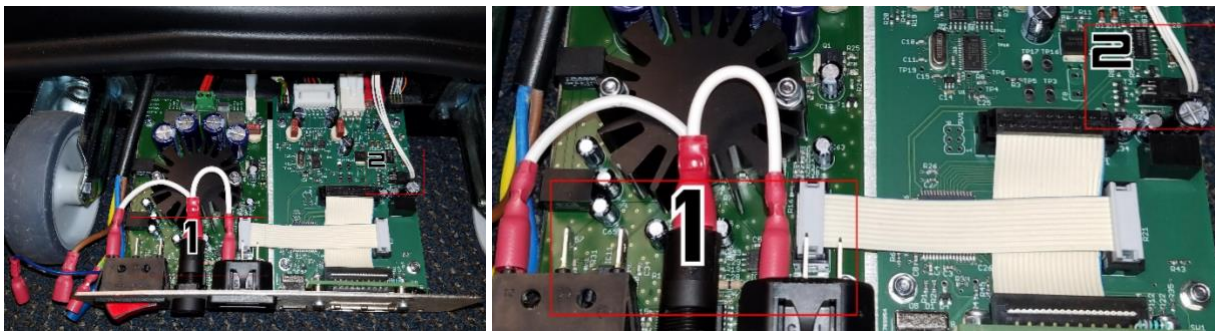
2. Carefully slide the back panel from the simulator until the entire control board can be seen. We will disconnect the wires in 5 steps to simplify the process and ensure that no wires are prone to unnecessary strain.



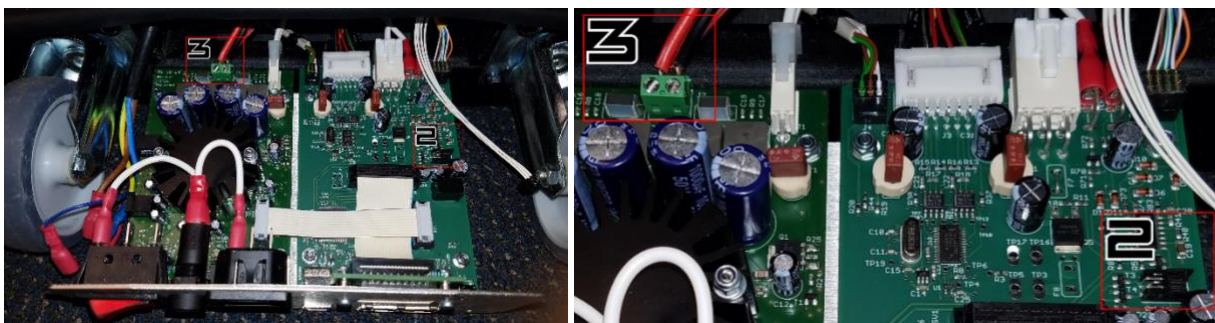
3. First, unplug the power supply lines. It is recommended that you use some needle nose pliers for this step. There are 4 wires to unplug. You may leave the white wires plugged in as there should be wires already attached on the replacement board. Place these cables to the left of the board until the other cables have been removed.



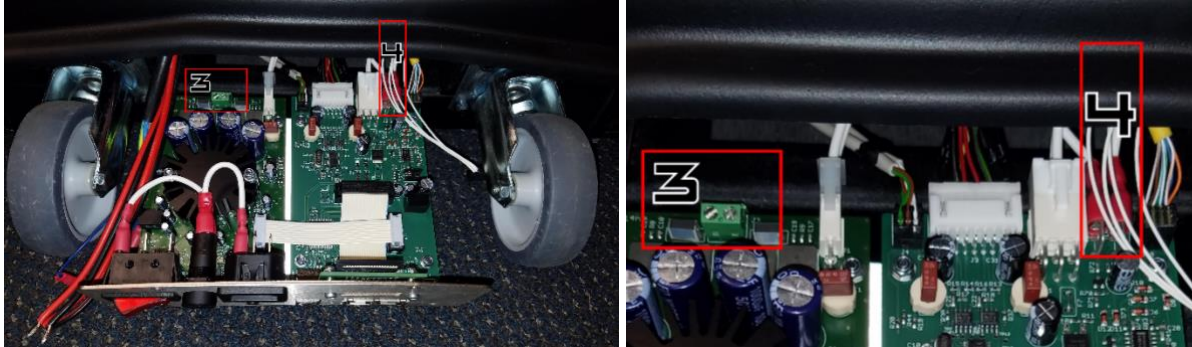
4. After the four power cables have been removed, it is time to unplug the LED power supply located on the right edge of the control board. To do this, just pull to the right and the plug should come out without much resistance.



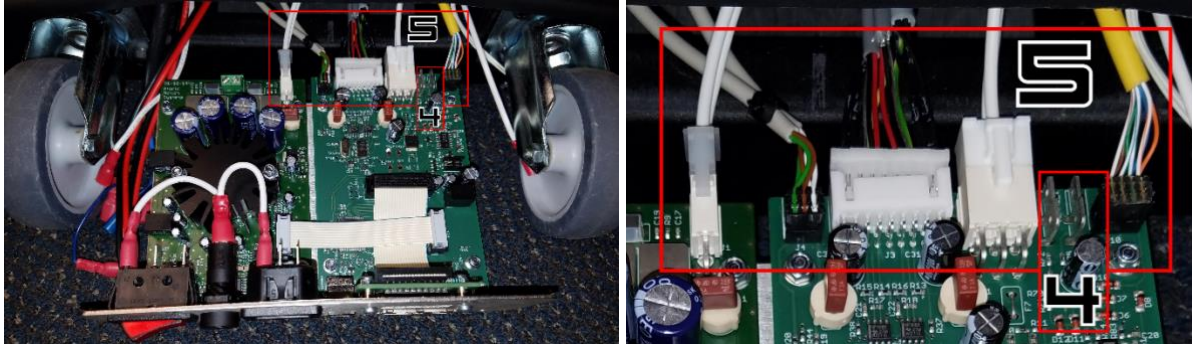
5. The next step is to unplug the audio cables. These wires will be located on the edge of the amplifier board at the top left. You will want to use a jewelers flathead screwdriver to loosen the wires before disconnecting them. After disconnecting, lay these wires to the side next to the power supply wires.



6. Now it is time to remove the E-stop attachments from the control board. These wires will be located at the top right of the board, and will require the same needle nose pliers used while unplugging the power supply lines. Be careful not to put too much tension on these wires while unplugging them. After they have been unplugged, let each wire lie on either side of the board until the final wires have been removed.



7. The five remaining plugs require no tools and do not need to be taken out in any specific order. The two black connectors on the control board will need to be removed vertically while the three remaining connectors can be laterally unplugged.



- Now the board should be completely unplugged from the Simulator. Check to ensure that you still have access to all 14 wires before installing the replacement board. There should be 4 power lines (Yellow, Brown, Blue, Thin Blue), 1 LED connector, 2 audio cables (Positive and Negative), 2 white cables for the e-stop circuit, and 5 remaining connectors that plug in to the various ports at the top right of the board.

