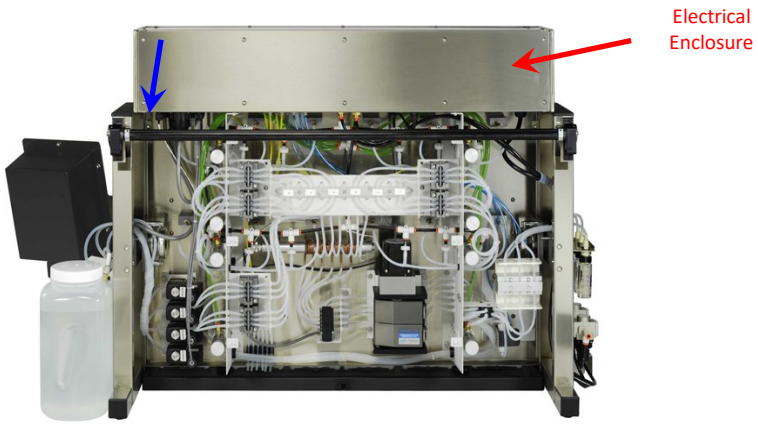
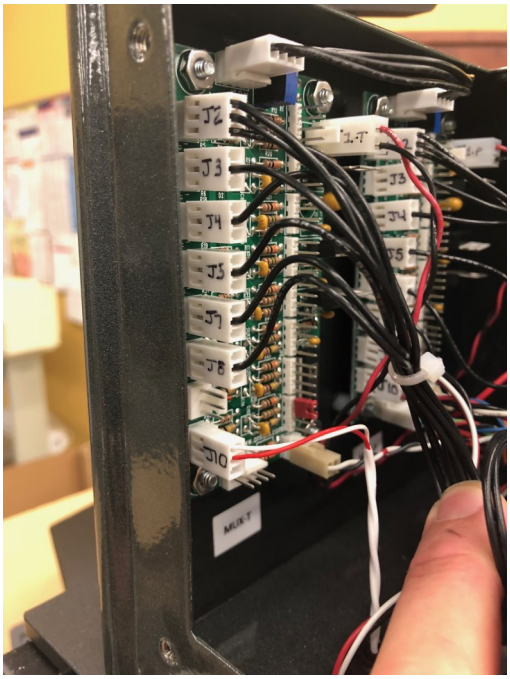
MUX-T Circuit Board Replacement

TDF111



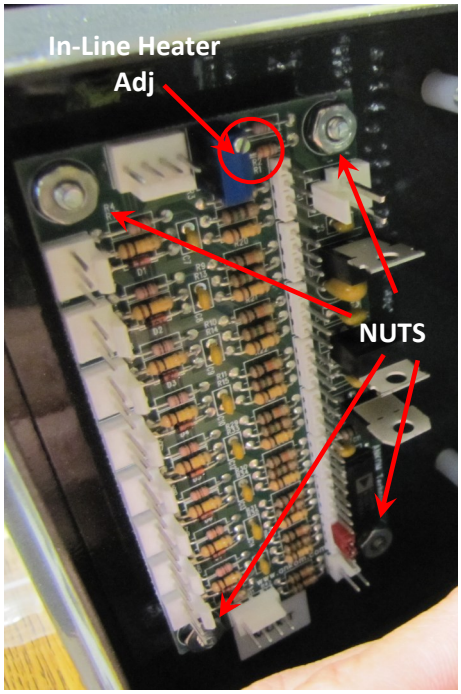
1. Prepare the instrument for service.
   A. Power off the instrument and unplug the instrument.
   B. Remove the back and top panels of the electrical enclosure by removing the 14 screws.
   C. Once open you will find the MUX-T board on the side of the electrical enclosure marked with the blue arrow.
   D. Use a grounded anti-static wrist strap to prevent static damage to the circuit board.

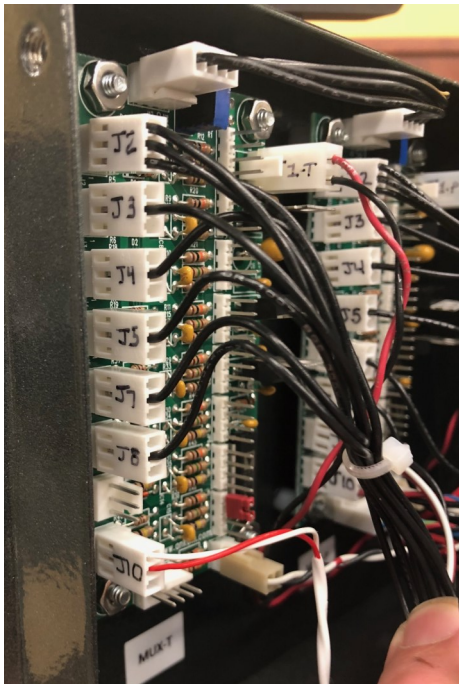
2. Identify the MUX-T board. Disconnect the J2, J3, J4, J5, J7, J8 and J10 (3-pin white connectors). Remove the 4-pin connector near the top of the board. Remove the power leads labeled J-1T. Also remove the 2-pin connector near the bottom of the board.



3. Unscrew the 4 nuts securing the board to the side panel of the electrical enclosure. Be sure to save the 4 nuts and 4 plastic stand-offs. Replace with the new MUX-T board. Secure board with the stand-offs behind the board and 4 nuts.

4. Reattach the wiring connectors to the board as shown.





5. From the Touch Screen Display, go to Diagnostics / Temperatures. Check the temperatures to be sure the individual paddle temperature readings and the in-line heater are reporting temperature correctly. The screw on the blue box (upper right corner of MUX-T) is the adjustment screw for the in-line heater temperature. Adjust this to match the paddle temperatures.

6. Close up the electrical enclosure with top and back panels using the 14 screws removed earlier.