6050H Setting the Hard Cut-Out

Checking the controller CTO

1   Before we set the Internal Hard Cut-Out, we must first see what the Hard Cut-Out (CTO) is set to.

2   Press the "SET" and "EXIT" keys together to enter into the Secondary Menu. The heater duty cycle will be displayed. From Here, press the "SET" key until "PrObE" is displayed.

3   Press "UP" key until "CAL" is displayed.

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4 Press "SET" key 5 times until "CtO" is displayed.

5 Press "SET" key once until "CtO = 565" is displayed.

6 The CtO should be set to 565°C ±5°C.

If this set to 565^0C, No action is required.

If this is not set to 565^0C, continue on to the next page to see how to adjust the trim potentiometer.

Setting the Hard Cut-Out

1 Turn OFF the power switch. Unplug the unit from the wall.

2 Remove the back panel of the electronics tower.

3 Locate the potentiometer on the analog board.

Setting the Hard Cut-Out
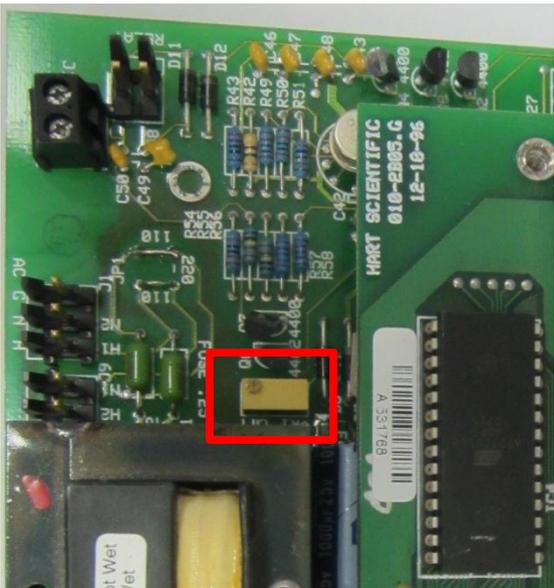
4   The potentiometer is next to the transformer on the analog board. It is labeled VR1.

5   Plug the Power back in and turn ON the power.

6   Return to the CtO= display.

(Checking the CTO steps 1-6)

⚠ USE CAUTION BEFORE DOING THE NEXT STEPS! LIVE VOLTAGE.

Setting the Hard Cut-Out
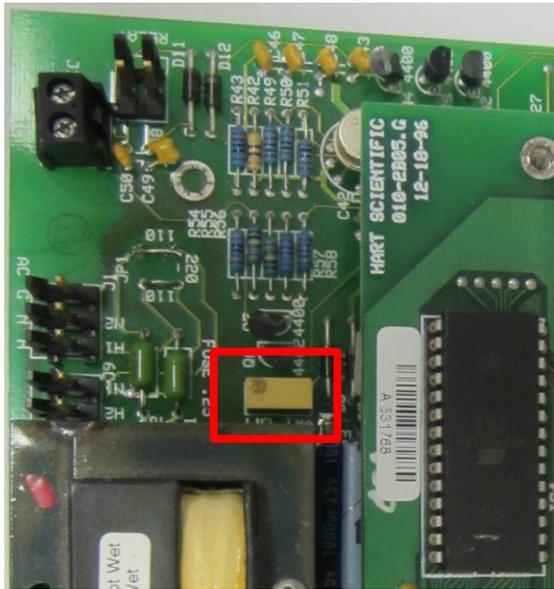
7 Return to the analog board and the potentiometer, VR1.

Using a small flat head screwdriver, turn the screw.

Clockwise will decrease the Cut-Out value and counter-clockwise will increase the Cut-Out value.

8 On the display you will notice that the CtO= will change.

Adjust the VR1 until the CtO is set to $565^0C \pm 5^0C$.

9 Once the CTO is adjusted, turn the power OFF and unplug the 6050H.

Place the electronics tower cover back on the 6050H.