

# Vinotemp®

## Service Manual for VT-12TEDS, VT-16TEDSW, VT-28TEDS-T

### Tools for Repair:

1. Screw Driver



2. Multimeter



3. Pliers



4. Electric Iron



**1. Wine cellar does not turn on**

- a. Make sure that the unit is plugged in properly.



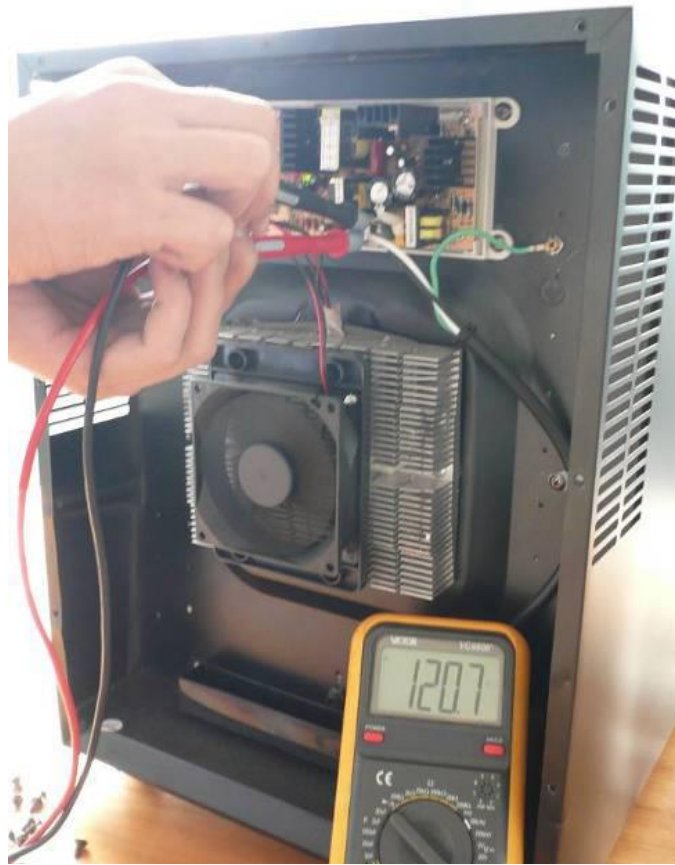
- b. If, the unit is properly plugged in, disconnect the printer and remove the back cover.



c. Plug the unit back in.



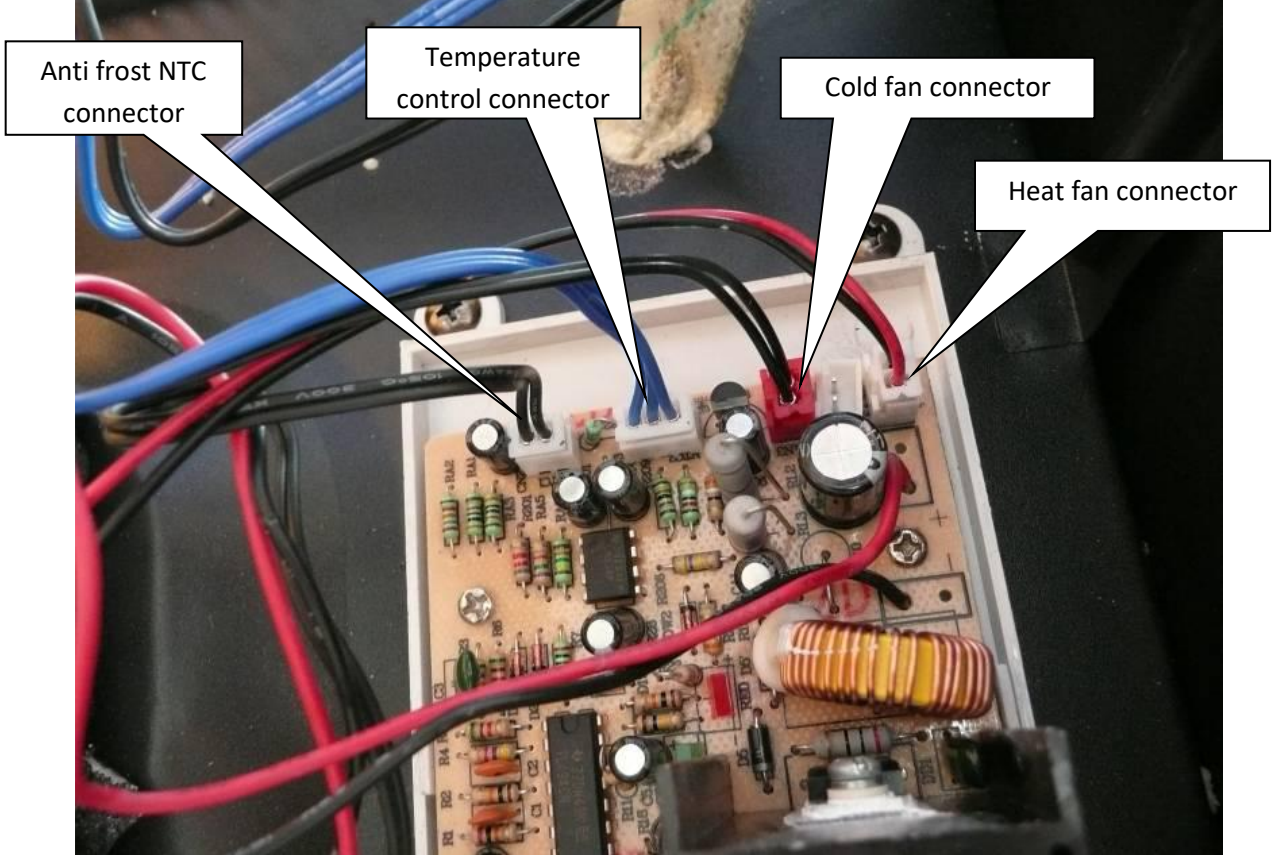
d. Check the voltage at the power cord connector (It should read approximately AC100 - 120V).



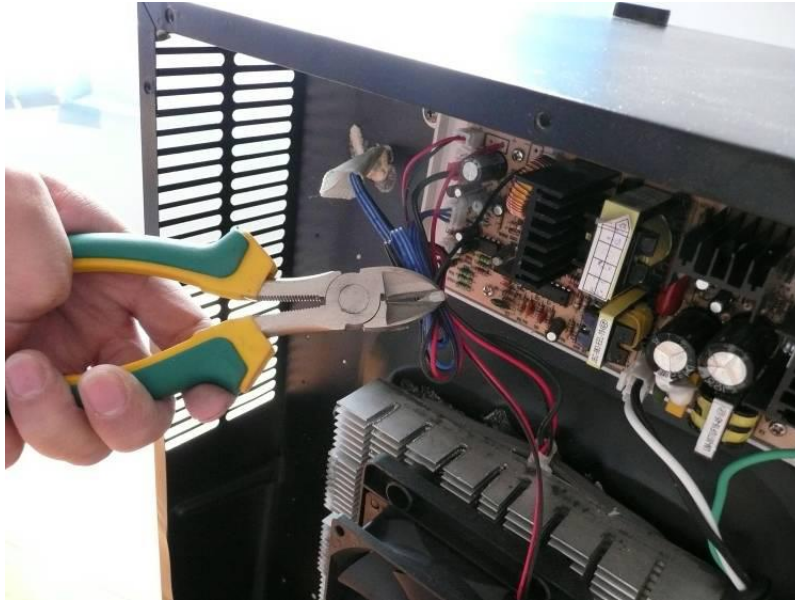
- e. If the voltage is not in the optimal range, the power cord needs to be replaced.



- f. If the voltage is within the acceptable range, test the output voltage (should be approximately DC12 - 13V). If the output voltage is not within the acceptable range, change the power control board.



i. Cut the tie.



ii. Disconnect all wires.

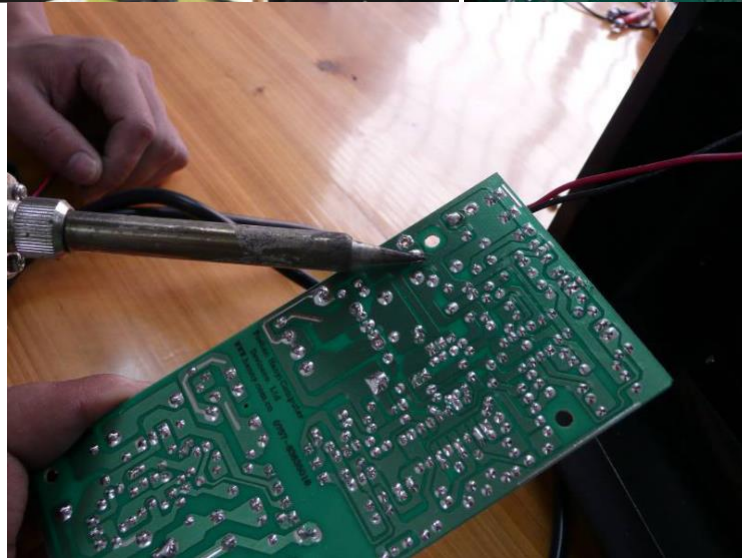
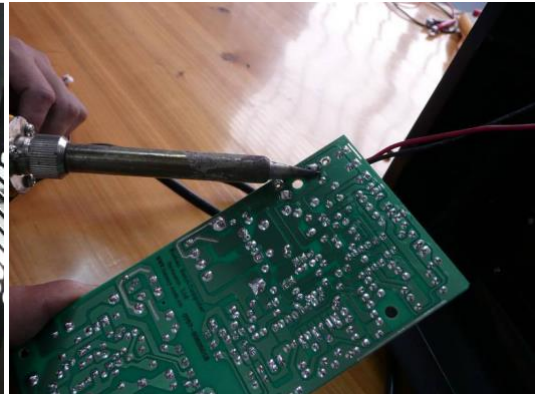
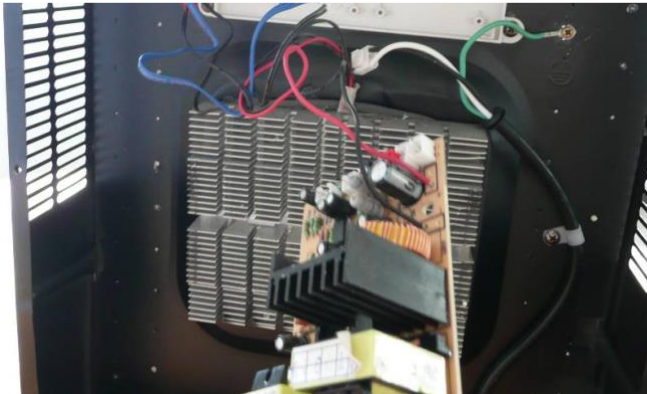


iii. Remove screws from the power control board.

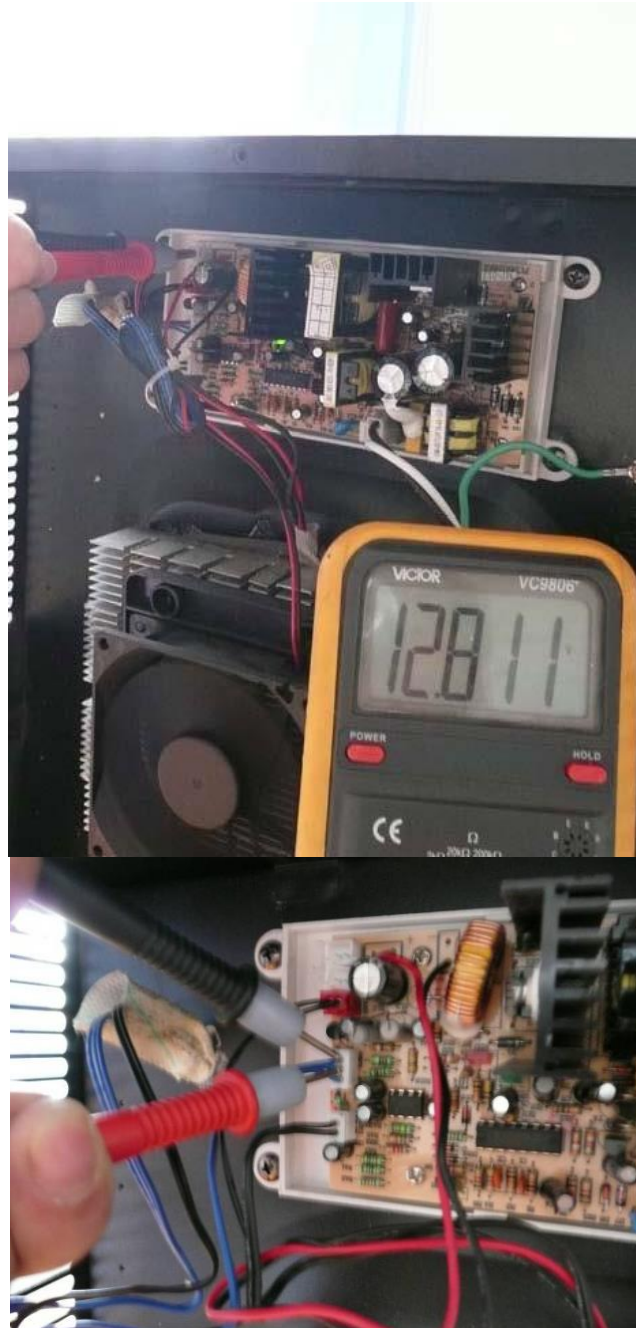




iv. Connect the two wires from the thermoelectric module using the electric iron.



- g. If the voltage is within the acceptable range but the temperature LED is blank, test the temperature control input terminal on the power control board.



- h. If there is no DC voltage, the power control board is broken and needs to be replaced.
- i. If the voltage is approximately DC7.6 - 8.1V, test the temperature control.
- i. Pull out the magnetic seal.



ii. Remove the three screws behind the temperature control.



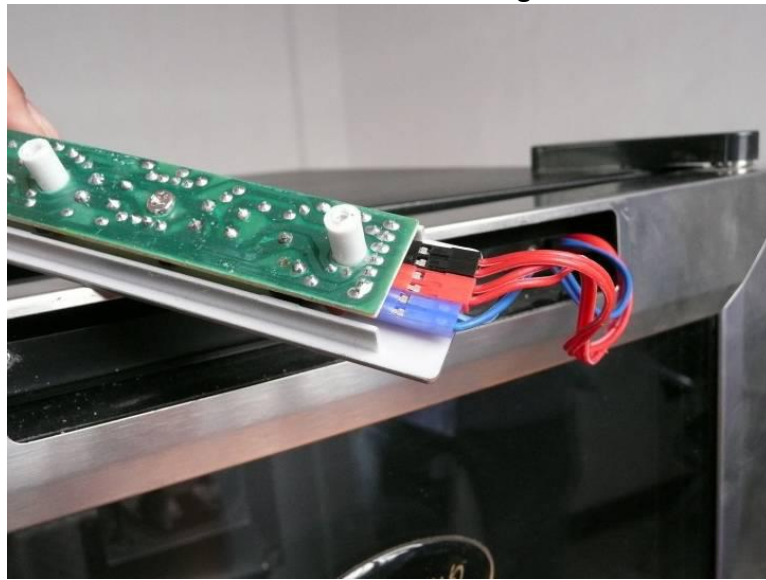


iii. Remove the temperature controller.

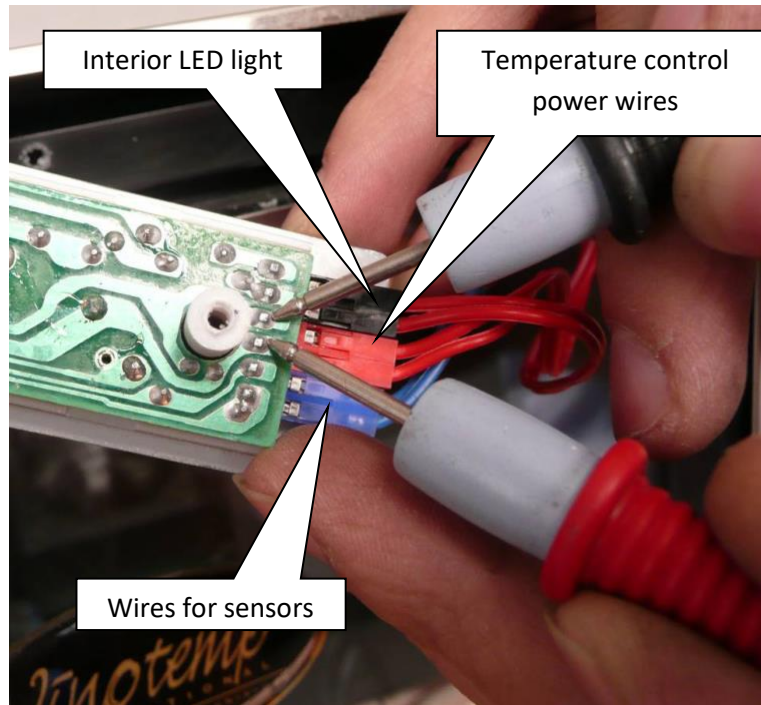




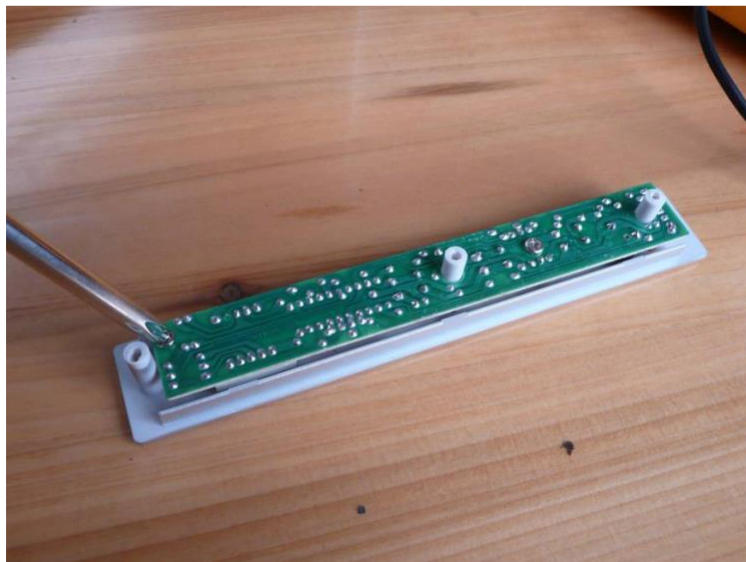
iv. Make sure that all connectors are tight and secure.



v. Test the voltage on the connector.



- vi. If the voltage is not approximately DC 7.6 – 8.1V, the wire needs to be replaced.
- vii. If the voltage is approximately DC 7.6 – 8.1V, the temperature control board needs to be replaced.
  1. Remove the screws.



2. Replace the temperature control board.



## 2. Temperature is not getting low enough

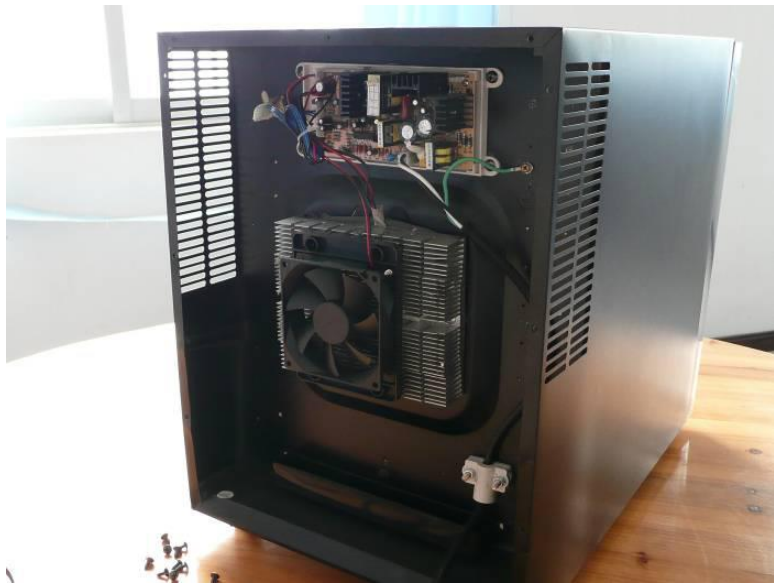
- a. Ensure that the temperature is set to your desired range.
- b. Do not open the door frequently.
- c. Be sure that the door closes properly.
- d. Make sure that the magnetic seal on the door frame is in good condition.
- e. Clean dust from the anti-dust net.
- f. Make sure that the unit has proper clearance for ventilation.
- g. Check the cold fan to make sure that it is functioning properly.



- h. If it is not working, make sure that the connectors are secure.
- i. If the connectors are secure, replace the cold fan.

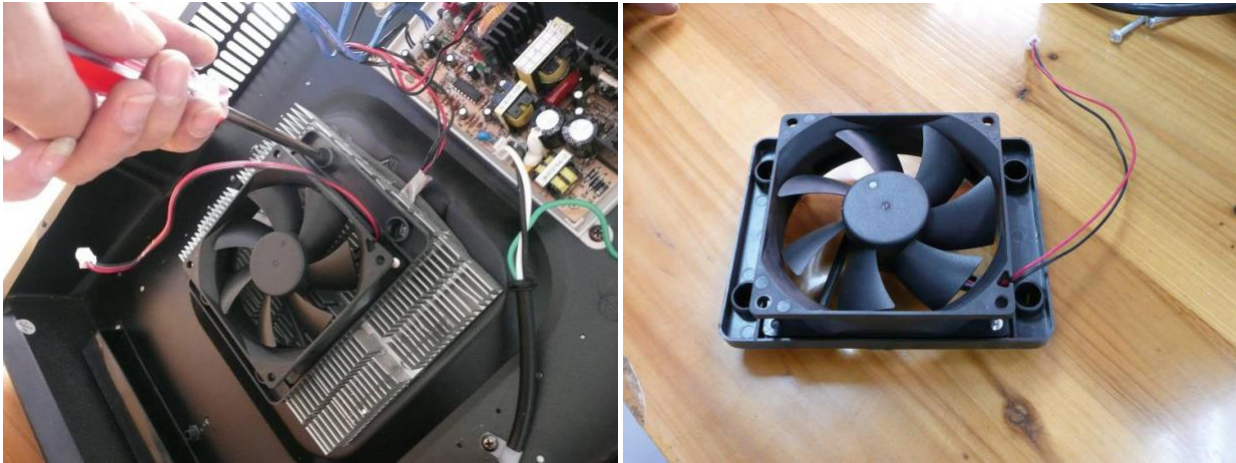


- j. Make sure that the heat fan is working properly.
- k. If the heat fan is not working properly, make sure that the connectors are secure.





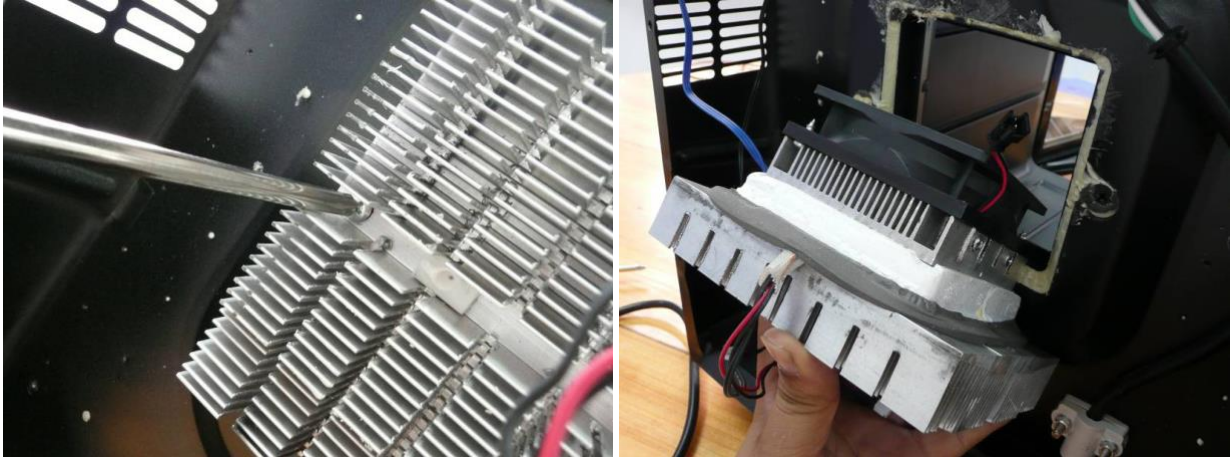
l. If the connectors are secure, replace the fan.



- m. If both fans are working properly, test the output voltage (should read approximately DC9 – 13V).
- n. If the output voltage is outside of the desired range, replace the temperature control.

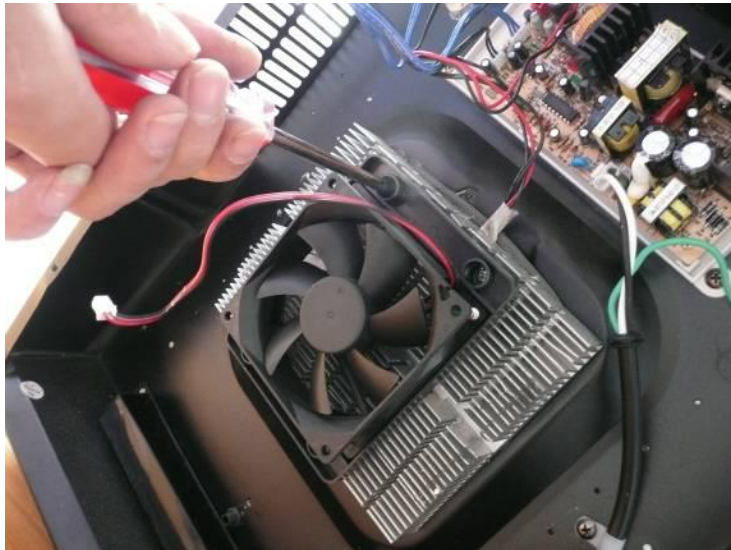


o. If it is within the desired range, replace the cooling system.



### 3. Cooler makes excessive noise during operation

- a. Make sure that the unit is placed evenly.
- b. Make sure that there are no obstructions in the heat fan.



- c. Make sure that there are no obstructions in the cold fan.

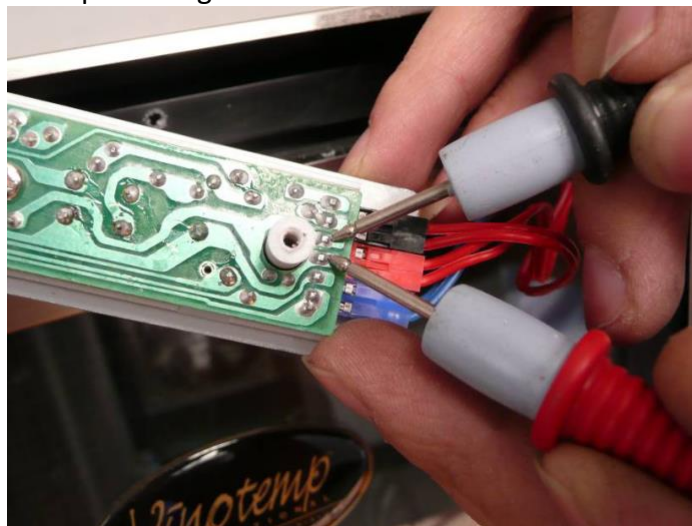


- d. If ice has accumulated on the fan cover, try turning the cooler off until the ice melts away.



**4. The temperature control screen is blank.**

- a. Make sure that the unit is turned on.
- b. Check the input voltage.



**5. Error on the LED display.**

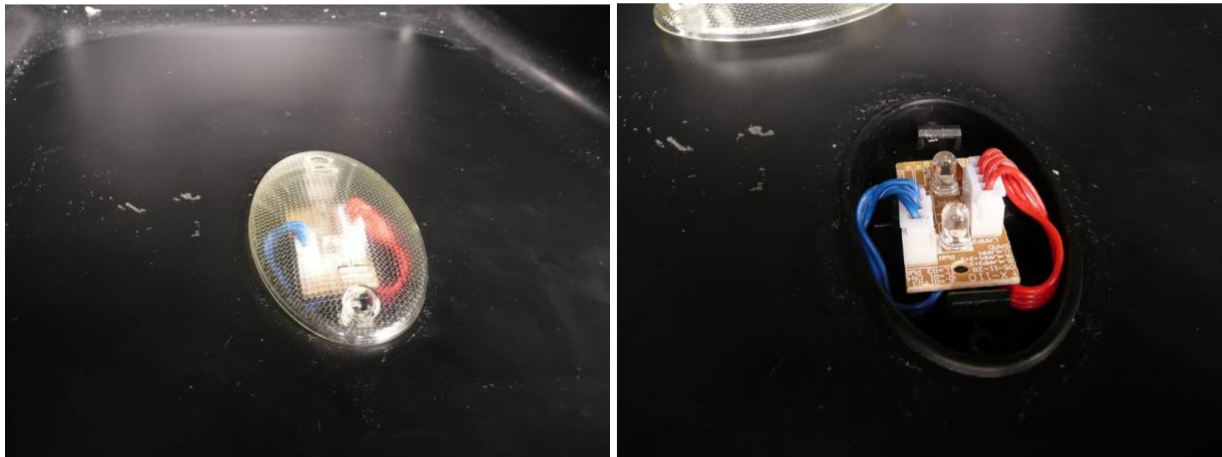
- a. Make sure that the NTC connectors on the temperature control are not loose.
- b. Make sure that the wires from the NTC are not damaged.

**6. Buttons on temperature control do not function properly.**

- a. Replace the control (see previous instructions).

**7. Interior light is not working properly.**

- a. Make sure that the connection on the temperature control is in good condition.
- b. Make sure that the wires for the light are securely connected.



- b. If the wires are in good condition, change the light power control board.