



Service Manual for VT-52SN Wine Coolers

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TOOLS NEEDED

- Phillips Screwdriver
- Multimeter
- Pliers

A) Troubleshooting

Prior to any equipment testing, please answer the following questions:

- Is the temperature you want below the capabilities of your cooler?
- Is the unit installed in an area with an ambient temperature over 85°F?
- Did you recently change the temperature of the unit?
- Is the door open too often to maintain a proper temperature?
- Are there any air leaks around the door?
- Are the ventilation grills blocked on either side of the unit?
- Does the door open on its own or not close solidly?
- Is there too much dust/dirt on the anti-dust net?

If you answer YES to any of these questions, then your unit may have temperature issues not related to the cooling equipment. Please address these issues by:

- Determining the temperature capabilities of your unit to see if you unit can supply the chilled air you desire. You may need to refer to your owner's manual for this information.
- If the unit is installed in an area that is regularly at or above 85°F, then your unit may not reach the temperature you desire. Please relocate the unit to a place where the ambient temperature does not go over 85°F before doing any testing.
- Be sure your wine cooler is not placed in direct sunlight or near any appliances that generate heat (i.e. stoves, ovens, refrigerators, etc.).
- Your wine cooler may require some clearance space at the sides and rear of the unit. Refer to your owner's manual for clearance requirements.
- Depending on the temperature change and the ambient temperature surrounding your unit, it may take 24 hours or more for your unit to get to the new temperature setting.
- Keep the door closed for 12 hours and observe the unit to see if cycles on and off several times during this period. If you see the unit cycling on and off several times,

then retest the temperature of the unit after 12 hours to see if the temperature is where you want it to be.

- While the unit is running, slowly run your hand along the edges of the door to see if there is any chilled air leaking from the door. If so, be sure the magnetic strip on the door and the cabinet where the magnetic strip adheres to the cabinet is clean. Be sure not to rub too vigorously on the magnetic strip as it may come off the door.
- Check to be sure that the ventilation grills are not blocked so the warm air from inside the unit can be eliminated.
- If you notice that the door opens on its own or does not close properly, then clean the magnetic strip and the cabinet to see if this will help the door stay closed. If the magnetic strip is not securely attached to the door or if it is not securely adhering to the cabinet after cleaning, please contact Vinotemp at 800-777-8466 to order a new magnetic strip.
- Older units may be equipped with an anti-dust net. If your cooler is installed in a dirty or dusty environment, you should clean your anti-dust net frequently so the fan inside the unit will be able to evacuate the warm exhaust air easily. To determine if your unit has an anti-dust net, look in the back of the unit when the fan is running to see if there is a fine screen covering the area where the fan is blowing air out of the unit. Depending on the unit, your anti-dust net may require a screwdriver to remove or it may just pop off. If there is dust build up on the anti-dust net, place the net under a faucet and rinse the dust off. Set the net in a vertical position and let it dry for about 10 minutes before reinstalling in the net on the unit.

Once you have checked all the above items and determined that there are no external issues that would keep your unit from cooling properly, then proceed to the following steps.

B) Wine cellar does not cool

1. If your unit is currently unplugged, please plug it in to an outlet. Check if the temperature display is functioning properly. If it is, let the cooler run and check back in about 30 minutes to see if the unit has cooled at all. If not, proceed to step 2.
2. If the temperature display is not functioning, ensure that the cord is properly plugged in to the wall outlet. If it is, then you will need to check the control board fuse.
3. First, remove the PVC cover from the plastic panel (Image 1a) and remove the plastic panel. Continue by removing the protective box that sits inside the panel. Check if the wire connector on the PVC is loose (Image 1b).



Image 1a

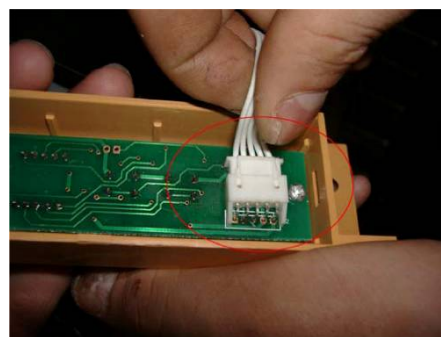


Image 1b

- Another possible problem is a blown fuse in the control board. Be sure the unit is unplugged. Loosen the screws to the back panel and remove the back panel. Remove the control board cover by loosening each of the screws then remove the control board from the cover (Image 2).

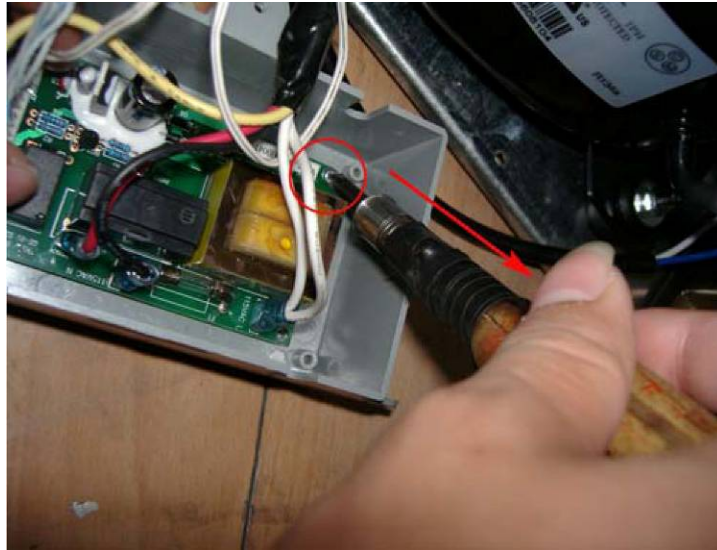


Image 2

- Remove the wire connector on the control board (Image 3). Use your multimeter to test if the resistance of the fuse (Image 3b). If the multimeter indicates that there is "infinite" resistance, the control board must be replaced.

Note: To purchase a replacement part for your Vinotemp wine cooler, visit www.vinotemp.com, click on "Additional Parts" then click on "Replacement Parts". If you have questions before purchasing a replacement control board, call the Vinotemp customer service at 1.800.788.VINO.

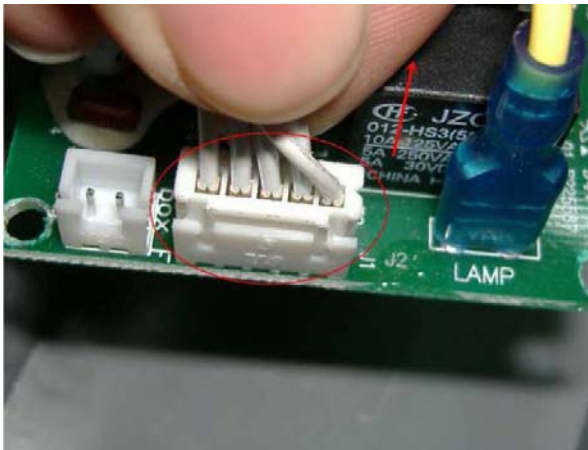


Image 3a

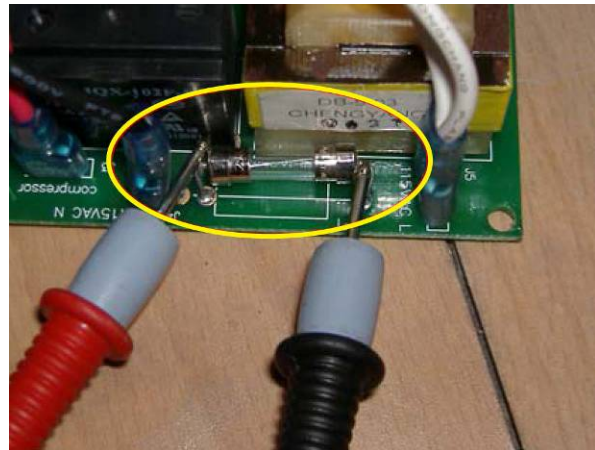


Image 3b

- Make sure that the unit is unplugged before beginning the process of replacing the control board. Reattach the control board to the control board cover and tighten each of the screws. Reconnect the wire connector to the control board (Image 4).

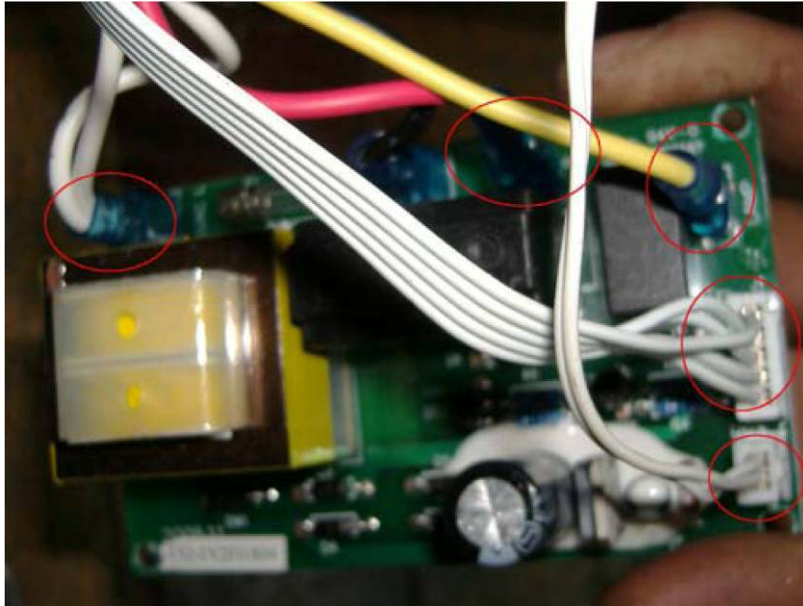


Image 4

7. Reattach the control board cover to the cooler and tighten all screws. Replace the back panel and tighten each of the screws to be sure the back panel is securely attached.
8. If your wine cooler is not operating, the wall outlet may not be the correct voltage to power your wine cooler. Use your multimeter to check the voltage of the outlet (Image 5). The voltage of the outlet should be between 105 Volts to 126 Volts. If it is not within this range, please contact your local power supply company.

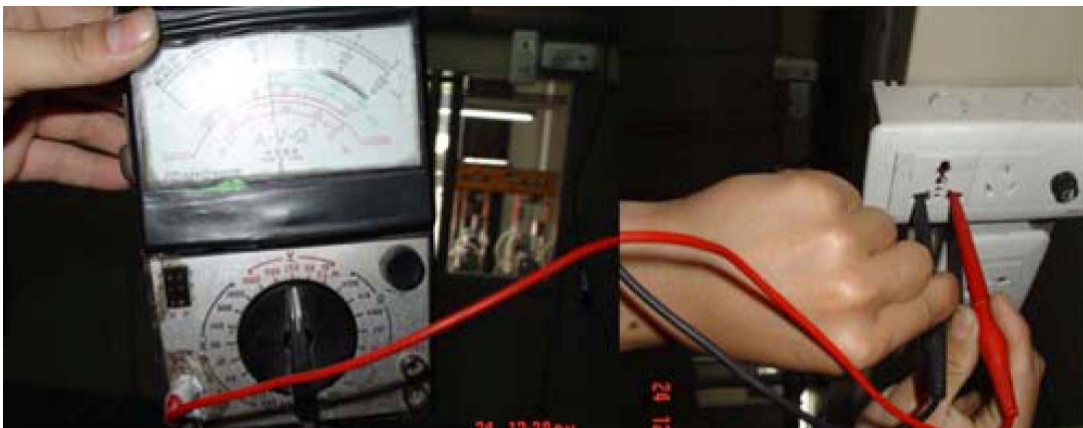


Image 5

9. The fan motor in the unit may not be working properly, which could inhibit the cooler from reaching the set temperature. To check if the fan motor is working properly, remove the back panel of the wine cooler by loosening each of the screws. If the fan is not running while the compressor is functioning and the wire connectors are properly connected, then the fan motor must be replaced.

Note: To purchase a replacement part for your Vinotemp wine cooler, visit www.vinotemp.com, click on "Additional Parts" then click on "Replacement Parts". If you have questions before purchasing a replacement part, call Vinotemp customer service at

1.800.788.VINO.

10. Unplug the unit before attempting to replace the fan motor. Loosen the screws and bolts from the fan motor (Image 6a and 6b).



Image 6a

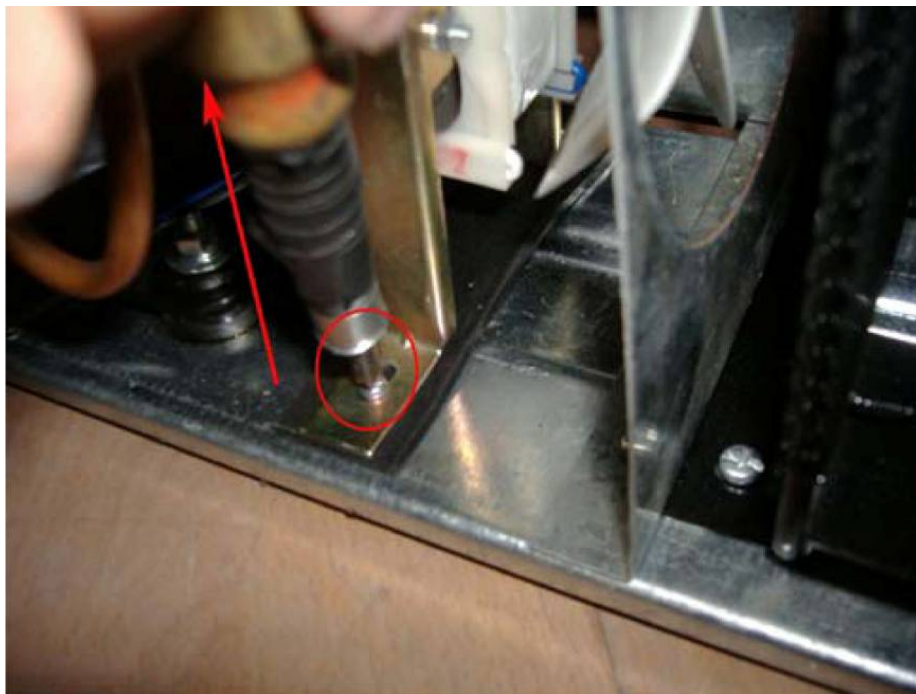


Image 6b

11. Remove the fan blade and disconnect the fan wire connector (Image 7a and 7b).

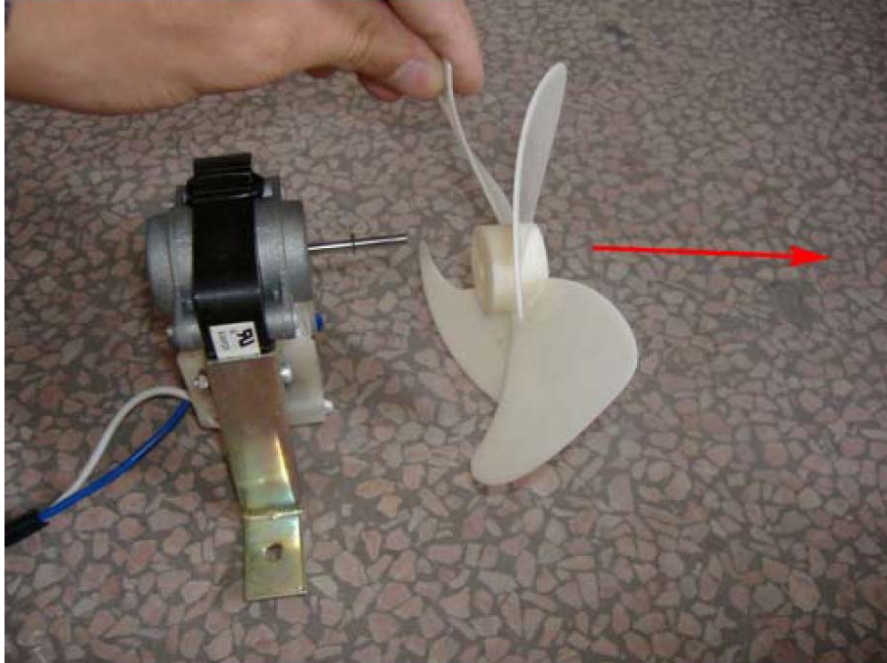


Image 7a



Image 7b

12. To install a new fan motor, attach the fan blade to the new fan motor (Images 8a and 8b). Reattach the connector to the cooler and replace the back panel of the unit (Image 9).



Image 8a



Image 8b

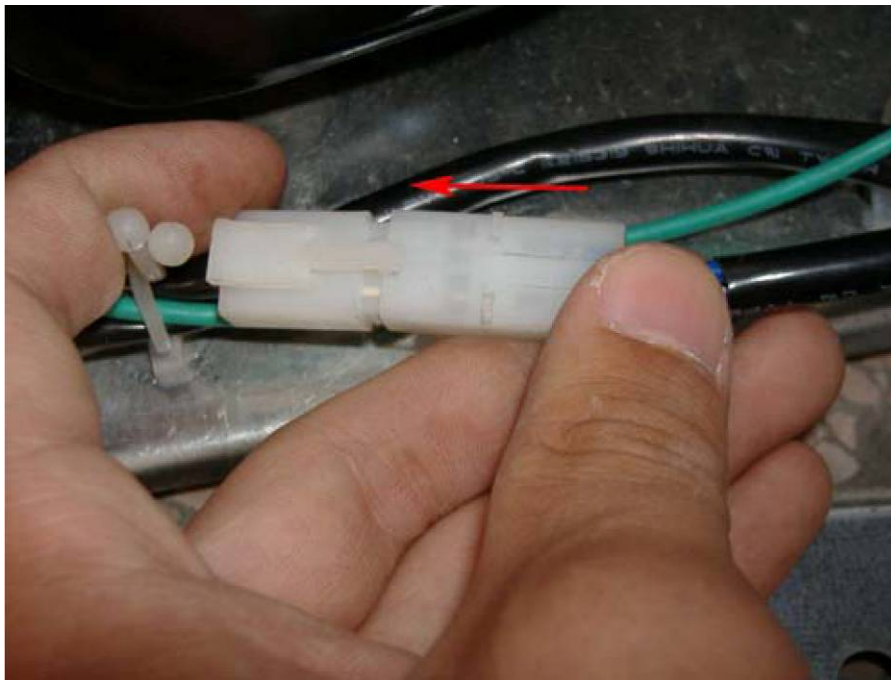


Image 9

C) The cellar makes too much noise

1. Before proceeding to the following procedures, check if the unit is level and has been placed on a sturdy, firm surface. If needed, adjust the leveling legs. Check to make sure that none of the metal parts surrounding the compressor are coming into contact with the compressor (Image 10). Also, check if the screws to the fan motor are loose, if so, tighten them with a screwdriver. Check if the fan blade is coming into contact with any of the surrounding metal parts.

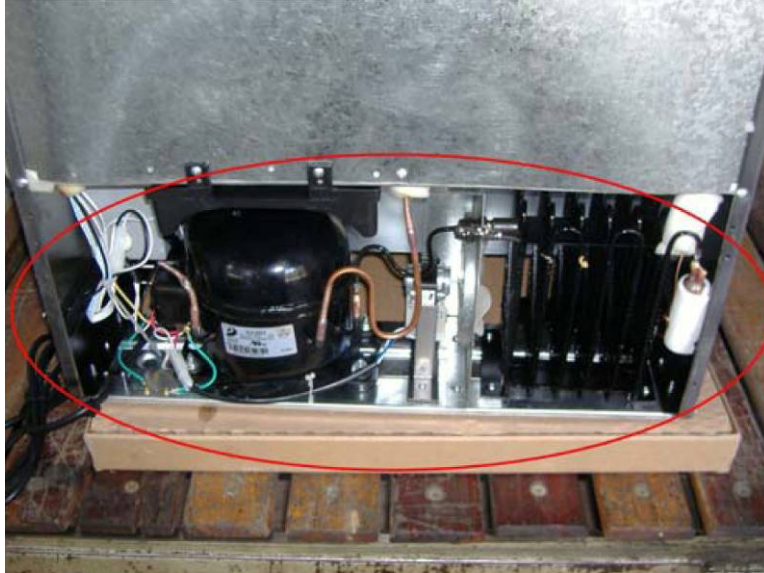


Image 10

D) Interior light does not turn on

1. Unplug the cooler from the outlet. Remove the back panel by loosening each of the screws. Loosen the screws that attach the control board cover to the wine cooler (Image 11) and remove the cover. Then remove the control board from the control board cover.



Image 11

2. Check if the wire connectors on the control board are loose (Image 12). If the connectors are securely attached to the control board, the bulb might need to be replaced.

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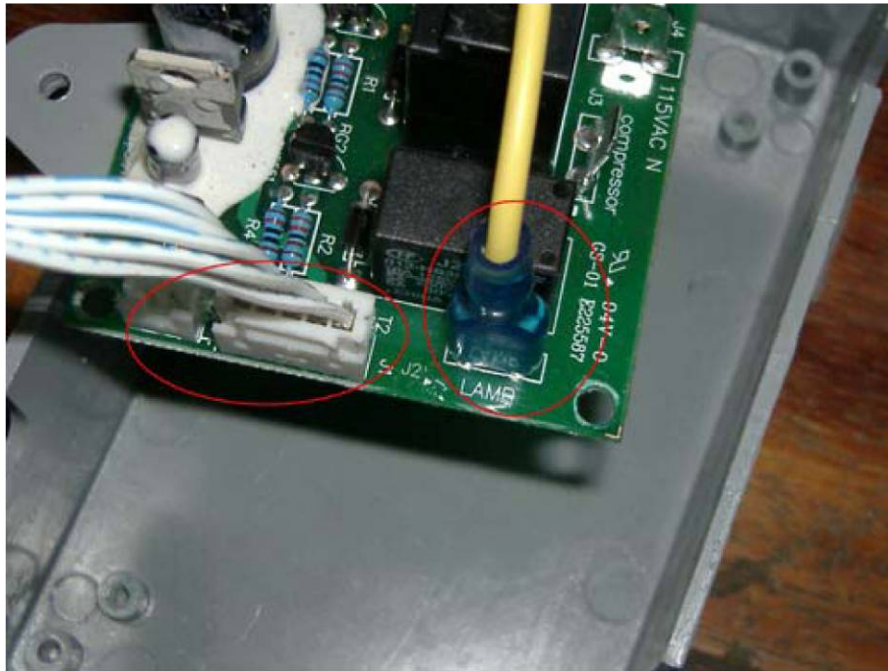


Image 12

3. To replace the light bulb, remove all the racks inside the wine cooler (Refer to your owner's manual). Loosen the screws to the light cover and remove the light cover (Image 13). Remove the old bulb by loosening it from the socket and replace with a new bulb by tightening it into the socket. Do not tighten too much as this might break the bulb. Replace the light cover then replace the racks.



Image 13

4. Reattach the connector to the control board and attach the control board to the control board cover by tightening the four screws (Image 14). Be sure the correct connectors are correctly connected (Image 15). Reattach the control board cover to the cooler and replace the back panel.

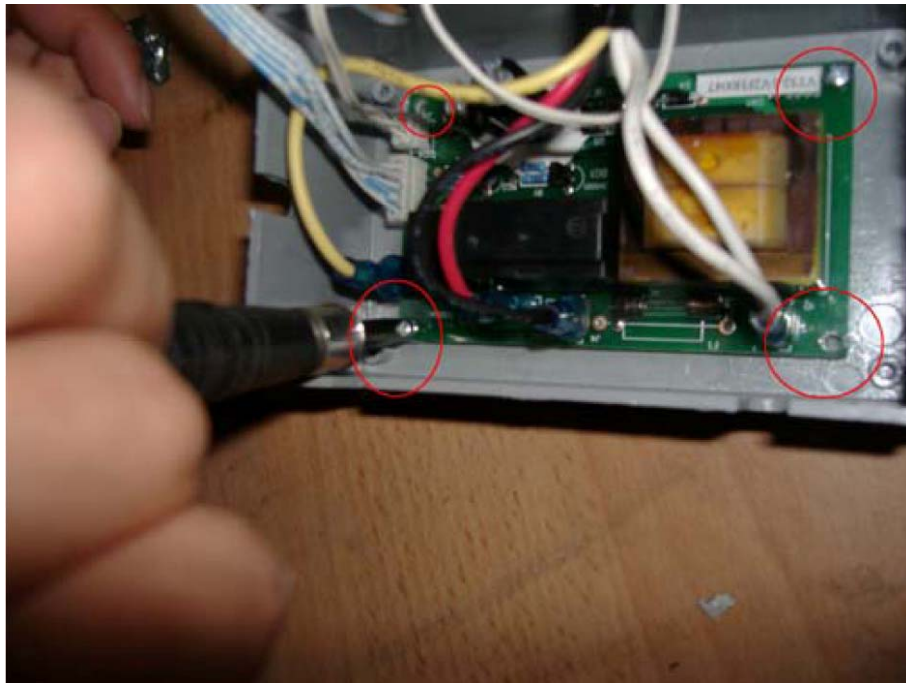


Image 14

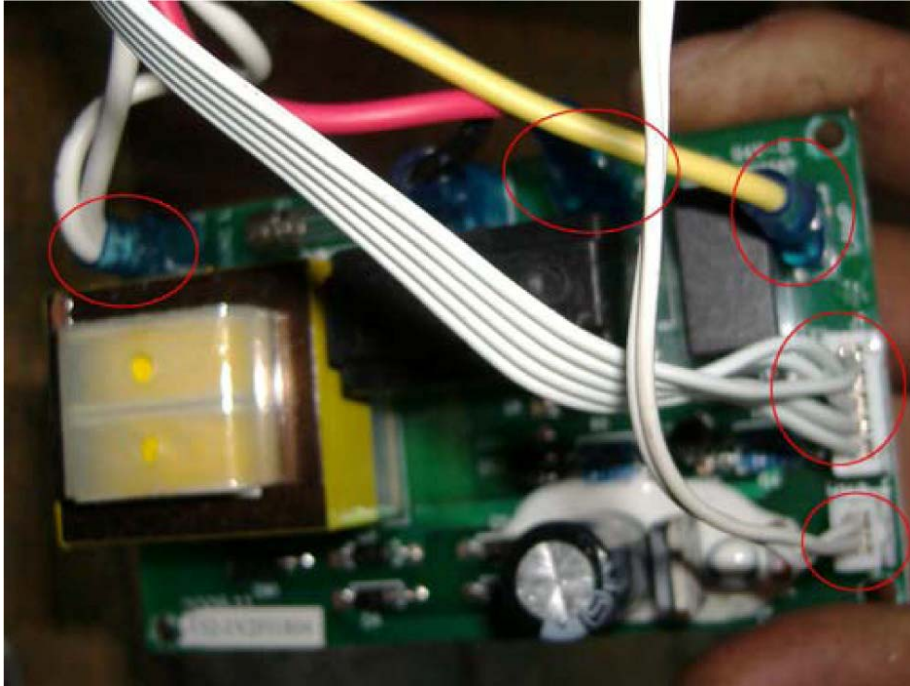


Image 15

E) The LED indicator displays "ER"

1. Once you have finished replacing the control board, plug the cooler in to the wall outlet. If the LED indicator displays an "ER" (Image 16), this may indicate that the wire connectors were not properly reattached to the control board. Before proceeding, unplug the cooler from the outlet.



Image 16

2. Remove the back panel and remove the control board cover. Remove the control board cover and loosen the screws that attach the control board to the cover.

3. Check if the sensor connector is loose (Image 17). If it is loose, remove the control board and remove the sensor connector.



Image 17

4. If the wire connector is damaged or is loose, cut the wire of the connector (Image 18). Reattach a new connector to the end of the wire that has been cut and use electrical tape to seal it (Image 19). Attach the wire connector to the control board and reattach the control board to the control board cover. Replace the control board cover as well as the back panel of the cooler.



Image 18



Image 19

5. Plug the cooler into an outlet and check if the indicator continues to display "ER".

F) The LED indicator displays "LL"

1. If the LED indicator displays "LL", then the temperature inside the cabinet is too low. This could indicate the control board is not functioning properly and must be replaced.
2. Remove the back panel of the cooler as well as the control board cover. Remove the control board cover from the cooler and loosen the screws that attach the control board to the cover. Remove the wire connectors from the control board (Image 20).

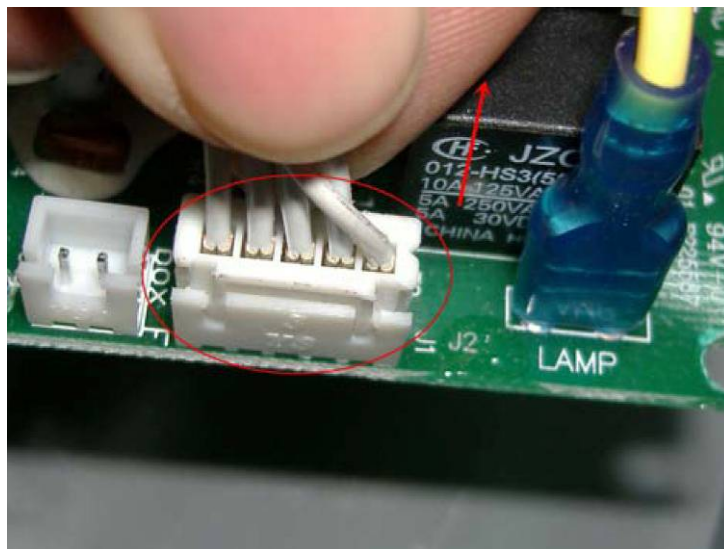


Image 20

3. Replace with a new control board. Attach the control board to the control board cover and reconnect the wire connector. Reattach the cover to the cooler and replace the back panel of the cooler.

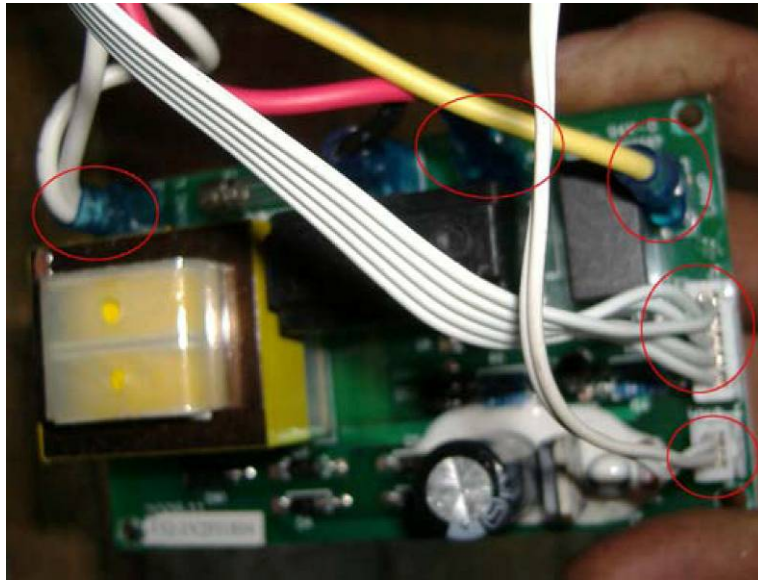


Image 21

G) The LED indicator displays "HH"

1. If the LED indicator displays "HH", then the temperature inside the cabinet is too high. This could indicate a problem with the refrigeration system. If you suspect a problem with the refrigeration system, contact a qualified refrigeration technician.

H) The LED indicator is not operating

1. If the LED indicator is not functioning, the PVC needs to be replaced.

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2. Remove the PVC cover from the temperature control panel (Image 22) Remove the plastic panel from the temperature controls and remove the box (Image 23).



Image 22

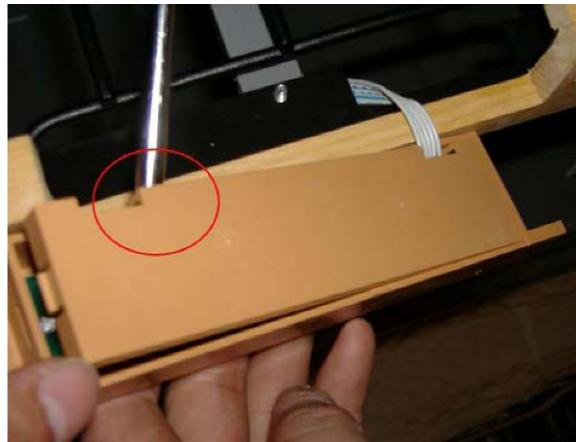


Image 23

3. Remove the wire connector from the PVC (Image 24). Loosen the screws on the PVC to remove it from the cover. Replace the display board with a new one by tightening the screws on the display board to the cover. Reattach the wire connector (Image 25).

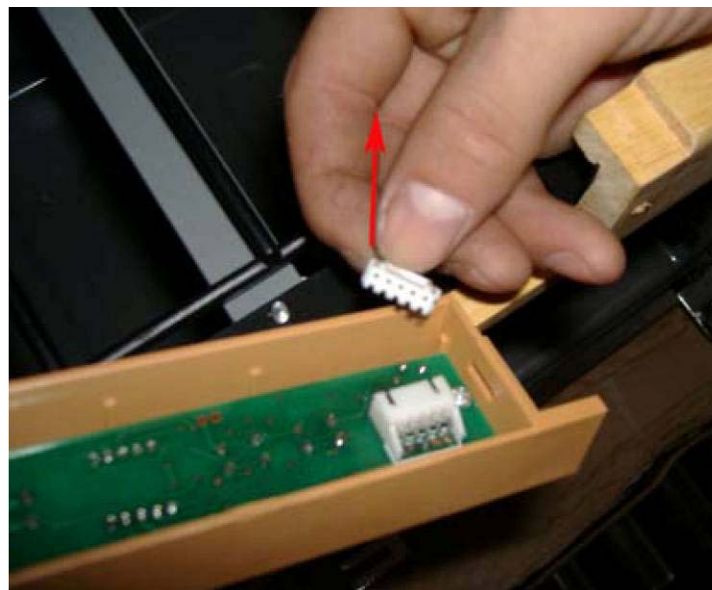


Image 24

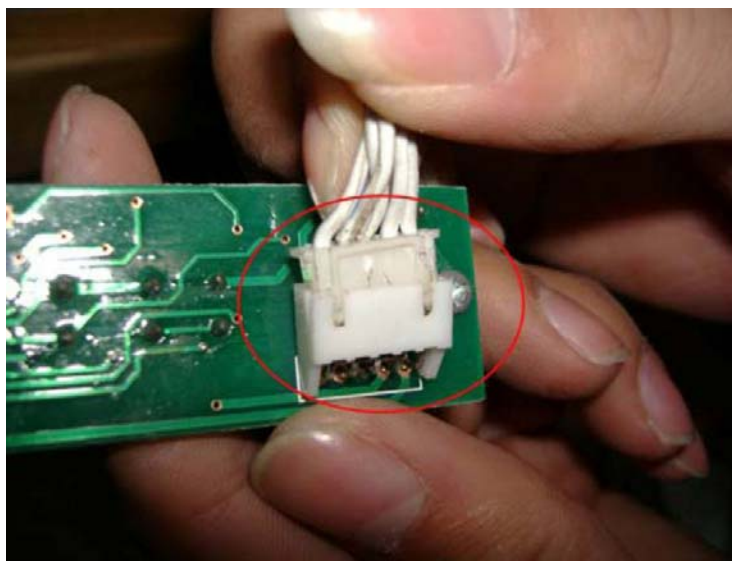


Image 25

4. Replace the cover and the plastic panel, as well as the PVC cover.

I) Changing the position of the handle

1. If you have followed the instructions in the owner's manual to change the door swing, read the following steps to attach the handle to the opposite side of the door. Remove the magnetic seal from inside the door. Remove the four screws inside the door that hold the door handle in place, two at the top of the door and the other two are at the bottom (Image 26).



Image 26

2. Remove the handle from its current position and attach it to the opposite side of the door. Tighten the four screws that are used to hold the handle securely in place. Replace the magnetic seal on the inside of the door.