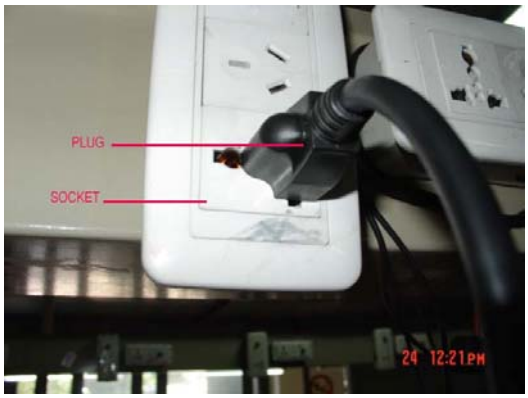
Troubleshooting(VT60)-1

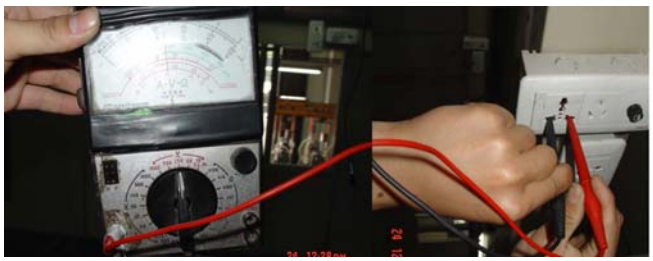
Service tools：

1. the wine cellar does not get cold at all.

1-1 Check to ensure the power plug is installed properly. If not connect the power or loosen, please connect it properly. (see the following picture)



1-2. Check the voltage in the socket. See following.



The voltage should be around 115V in the socket.

1-3. Check and make certain the fuse in the control board has not blown, if blown, please replace it as follows:

1-3-1. Take off the screws on the back panel.

1-3-2. Take off the back panel.

1-3-3. Take off the screws on the control board cover

1-3-4. Take off the screws on the control board cover

1-3-5. Take off the control board cover

1-3-6. Pull out the terminal on the control board.

1-3-7. Check the fuse, if no value displayed on the multimeter, please replace the control board.

1-3-8. Take off the screws on the control board.

1-3-9. Replace with a new control board.

1-3-10. Fix it on the control board with the screws.

1-3-11. Insert the terminal into the control board.

1-3-12. Put the cover of the control board on.

1-3-13. Fix the control board cover with screws.

Fix the back panel with screws.

1-4. Check whether there is a leakage in the refrigeration system

After the power has been on for some time, the display of the temperature is accordance with the ambient temperature. There is no change of temperature in the cabinet.

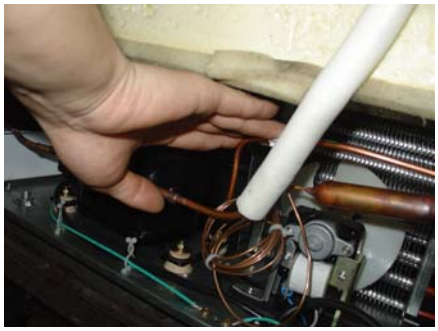
1-4-1. Take off the power plug.

1-4-2. Take off the screws on the back panel.

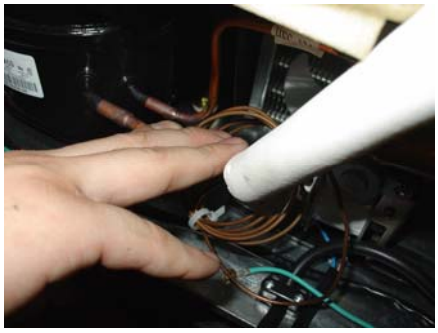
1-4-3. Take off the back panel

1-4-4. If compressor is shaking when you touch it by hand, it shows the compressor is in normal working.

1-4-5. If exhaust pipe isn’t hot when you touch it by hand after compressor running a period of time,



1-4-6. The intake pipe isn’t cool when you touch it by hand



1-4-7. Then we can say machine has the problem of System Leakage. (Below is the repairing)

Cut off the process tube

1-4-8. Take off the process tube

1-4-9. Replace it with a new process tube

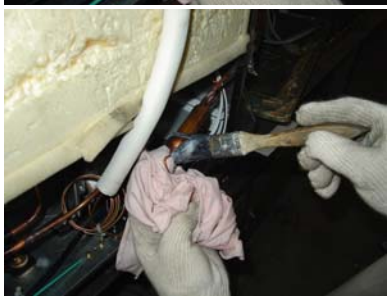
1-4-10. Weld the process tube

1-4-11. Install the vacuumizing connector onto the process tube.

1-4-12. Charge nitrogen. Charge 1Mpa dried Nitrogen the process tube


1-4-13. Check the welding point with towel that is soaked with soapsuds. If there is bubbles it means welding is not good. The welding has seam.



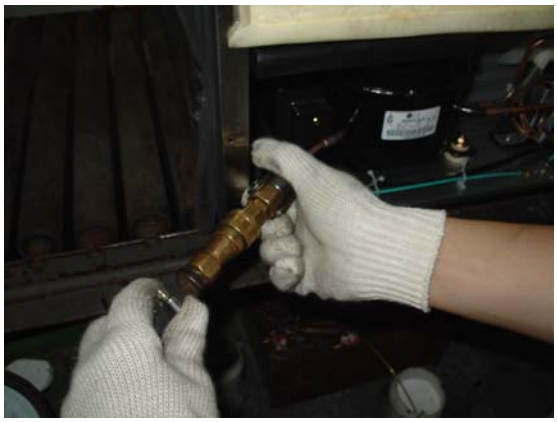



1-4-14. Remove the vacummizing connector. Re-weld the parts at which there are seams

1-4-15. Test with towel by charging Nitrogen until there are no bubbles.

1-4-16. Connect the vacuum pump with the vacummizing connector and then vacuumize for more than

20 minutes.



1-4-17. Connect the vacuum pump with canned bottle and then vacuumize for about 5minutes.

1-4-18. Weigh the canned bottle.

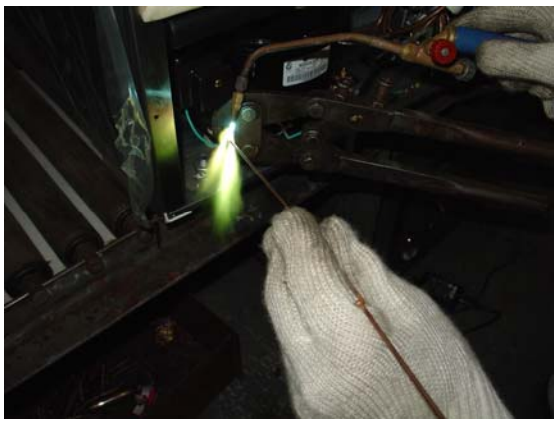
1-4-19. Charge the refrigerant into the canned bottle,

1-4-20. Weigh the canned bottle after charging.

1-4-21. Connect the canned bottle with the vacummizing connector and keep compressor working for more than 5 minutes,then charge the refrigerant into compressor

1-4-22. Weigh the canned bottle to check whether the refrigerant were charged completely

1-4-23. Clamp the process tube and make it flat, and seal it after ensuring no leakage of the gas.



1-4-24. Connect the refrigeration system to power and check whether there is any problem and then fix the back panel

2. The wine cellar is not cooling enough.

2-1. Avoid the cellar under direct sunlight or adjacent to heat source.

The inside light keeps on long to cause the over high of the inner temperature
Ensure the good ventilation around the cellar.

2-2. Check whether the door is not closed firmly or whether the door has been opened for too long time.

2-3. Check and ensure the door gasket is good enough.

2-4. Check the fan motor.

2-4-1. Take off the screws on the back panel.

2-4-2. Take off the back panel.

2-4-3. If the fan motor is not running when the compressor is working, please repair it as following steps:

2-4-3-1. Take off the fixing screws on the fan motor.

2-4-3-2. Take out the fan motor.

2-4-3-3. Pull out the blade.

2-4-3-4. Pull out the terminal and then replace the fan.

2-4-3-5. Insert the blade.

2-4-3-6. Fix it with the screws.

2-4-3-7. Install the back panel on.

3. The cellar is too noisy.

3-1. Make certain the cellar is properly leveled and standing firmly.

You may adjust the leveling legs to keep it level.

3-2. Make sure the pipelines un-touching each other.

4. The light is not on when the machine connected to the power.

4-1. Check and ensure the bulb tightened enough. If the bulb is wrong please replace it as follows:

4-1-1.

Removing the power plug from the outlet.

4-1-2. Take out the racks.

4-1-3. Take off the 3 screws on the light cover.

4-1-4. Remove the light cover.

4-1-5. Take off the bulb.

4-1-6. Fit the new bulb and make certain the good connecting.

4-1-7. Connect the power, the light is on and then disconnect the power

4-1-8. Fix the light cover.

5. Light keeps on.

If the light keeps on, please do as follows:

5-1. Check the lamp switch.

5-1-1. Check and make certain the blocker of door switch keep good connection with the door switch.

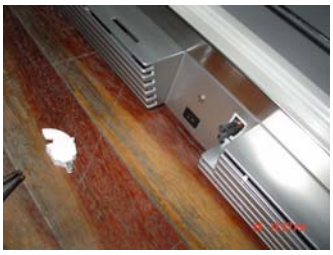
5-1-2. Angle of the blocker is less than 90°.

5-1-3. Check and make certain the angle of the blocker is 90°.

5-2. Check and make certain the door switch is good, if damaged, please replace it accordingly.

5-2-1. The resilience of the door switch is not good enough, please replace the door switch.

5-2-2. Catch the door switch with pincers, and then pull it out.



5-2-3. Pull the door switch out.

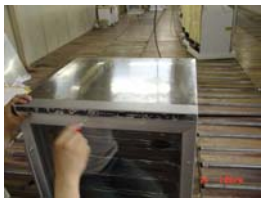
5-2-4. Replace it with a new one, connect the wire, and make certain the door switch is installed on correct place.

6. “ER” showed on LED indicator

As above, “ER” showed on the LED indicator, the terminal is not connected well or the thermal resistor is damaged.

6-1. The repair steps for the terminal is as follows:

6-1-1. Take off the PVC cover of the plastic panel.



6-1-2. Take off the five screws on the cover.

6-1-3. Take off the two screws on the display board.

6-1-4. Take off the plastic panel.

6-1-5. Pull out the display board.

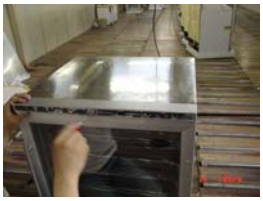
6-1-6. Pull out the terminal of the display board.

6-1-7. Cut out the terminal according to the picture.

6-1-8. Reconnect a new terminal, and tie it up with rubberized fabric.

6-1-9. Connect the terminal.

6-1-10. Fix the screws on the display board.



6-1-11. Fix the screws on the digital thermostat.

6-1-12. Recover the PVC cover of the plastic panel.

6-2. The repair steps are as follows if the thermal resistor is damaged.

6-2-1. Take out all the racks in the cabinet.

6-2-2. Take off the four screws on the evaporating board.

6-2-3. Remove the evaporating board as above.

6-2-4. Take off the screws of the thermal resistor.

6-2-5. Cut the line according to the picture, reconnect a new thermal resistor.

6-2-6. Fix the new thermal resistor.

6-2-7. Fix the evaporating board.

6-2-8. Put the racks in and then close the door.

7. “LL” shows on the LED indicator.

7-1. “LL” shows on the LED indicator that means the temperature is too low in the cabinet. The circuit is out of control, please replace the control board, the steps are as follows:

7-1-1. Take off the screws on the back panel.

7-1-2. Take off the back panel.

7-1-3. Take off the screws of the control board cover (according to the picture)

7-1-4. Take off the screws of the control board as above

7-1-5. Take off the upper cover of the control board.

7-1-6. Pull out the terminal on the control board.

7-1-7. Take off the screws of the control board.

7-1-8. Replace the control board with a new one.

7-1-9. Fix the screws on the control board.

7-1-10. Connect the terminal of the control board.

7-1-11. Put on the control board cover.

7-1-12. Fix the cover of the control board.

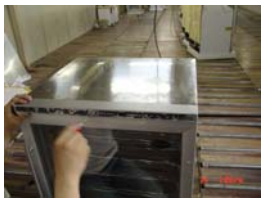
7-1-13. Fix the back panel.

8. “HH” shows on the LED indicator

“HH” shows on the LED indicator, the temperature in the cabinet is too high; the cellar does not get cold at all: the refrigerating system got trouble.

9. The LED indicator does not show the complete information, the indicator should be replaced. Please do as follows:

9-1. Take off the PVC cover.



9-2. Take off the five screws on the digital thermostat cover

9-3. Take off the two screws on the indicator board.

9-4. Take off the digital thermostat cover.

9-5. Pull out the indicator board.

9-6. Pull out the terminal of the indicator board.

9-7. Replace it with a new one, then plug the terminal.

9-8. Fix the indicator board by screw

9-9. Fix the plastic panel cover by screw

9-10. Stick the PVC cover on.