

VT-21TEDS-2Z

Circuit Board Replacement

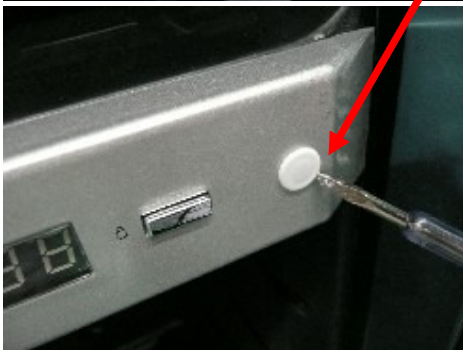
- A. Check for the connection between the circuit board and control panel**
- B. Change circuit board**
- C. Change NTC temperature sensor**

A . Check for the connection between the circuit board and control panel

1) Unplug the unit. Open the door, and locate the 2 white screw caps on the control panel.



2) Remove the caps using a flat screw driver



3) Locate each screw at each side



4) Remove the screw at the left side



5) Remove the screw at right side



6) The control panel comes apart



7) Check each connector at the left and right side.



B. Change circuit board if both connectors are good

1) Unplug the both plugs from the receptacles



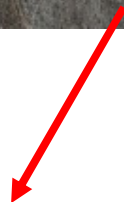
2) Now the control panel comes apart from the cabinet

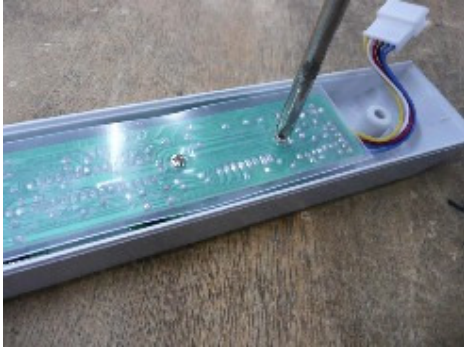


3) Locate the rear side of the control panel

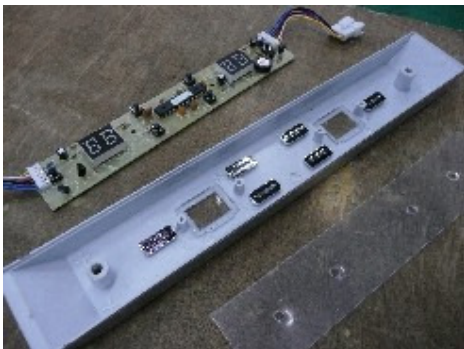


4) Remove 4 screws

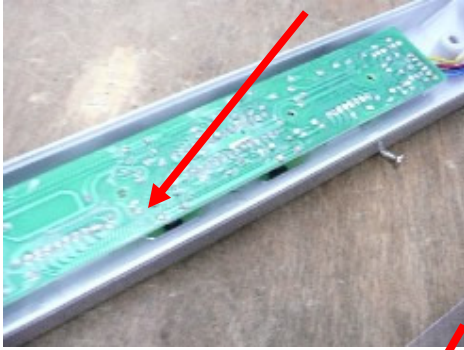




5) Now the circuit board comes apart from the control panel



6) Install a new circuit board and keep the correct direction



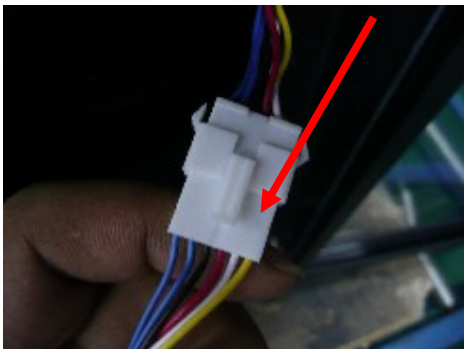
7) Cover it with protection film for anti-static electricity



8) Tighten the screws



9) Reconnect the plugs and receptacles





10) Locate the screw holes at the cabinet



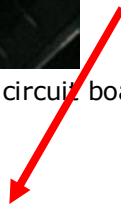
11) Reinstall the two screws at the left and right sides



12) Reinstall the two screw caps



13) Complete changing of the circuit board





C. Change NTC sensor

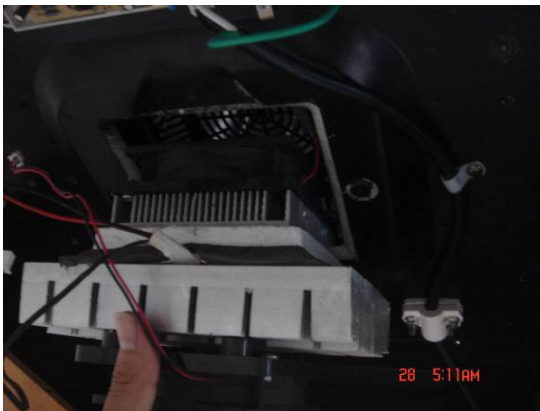
1) Unplug the unit, remove the rear cover



2) Remove all the screws on the cooling module



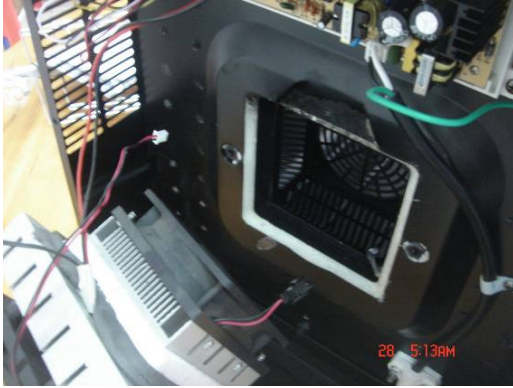
3) Move the cooling module



4) Remove the wires of cold side fan



5) Pull cooling module away from the cabinet



6) Open the door and locate the fan guard
Remove the four screw caps



7) Remove the four fan guard screws



8) Remove the fan guard



9)
The NTC sensor is shown at the right upper corner



10) Cut off the bad NTC sensor



11) Strip the insulation of the left wires



12) Strip the insulation of the new sensor and place the shrink tube





13) Solder the new NTC sensor



14) Heat the shrink tube



15) Place the fan guard



16) Reinstall the cooling module by reversing the previous steps

