

TK GUIDELINE

***WATER PROBE
REPLACEMENT***

MODELS :

TK500 – TK1000 – TK 2000

EQUIPMENT



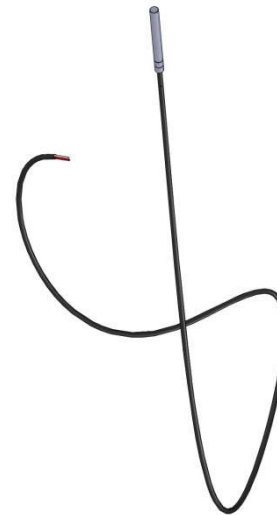
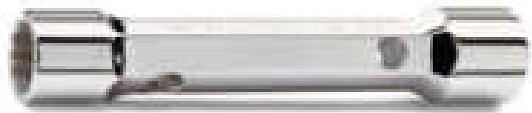
Screw-drivers



5 black clamps



Allen wrench (7)



*Water Probe
(spare part)*

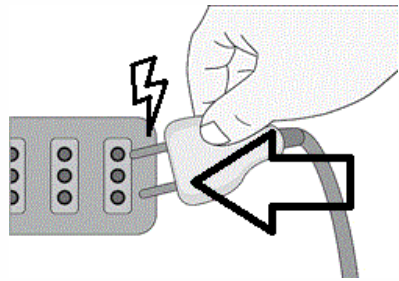


Tongs

STEP n. 1

WARNING! Parts replacement and reparation may be carried out only by qualified persons. If this are not performed properly, they can cause electric shock, burns and fires

*Disconnect the chiller from power supply.
Never touch internal part or dismount chiller
when it is connected to power supply to avoid
potential electric shock.*



*Remove the conveyor from the top part of the
chiller. You can see the metal black grid and
the red or grey fan support.*



STEP n. 2

Remove the air filter grid and air filter from their position.



STEP n. 3

Using the screw-driver, remove the 4 INOX screws indicated in the picture here below.



STEP n. 4

*Remove the red fan support lifting it up from the bottom edge.
Leave it on the metal cover, as you can see in the picture.*



STEP n. 5

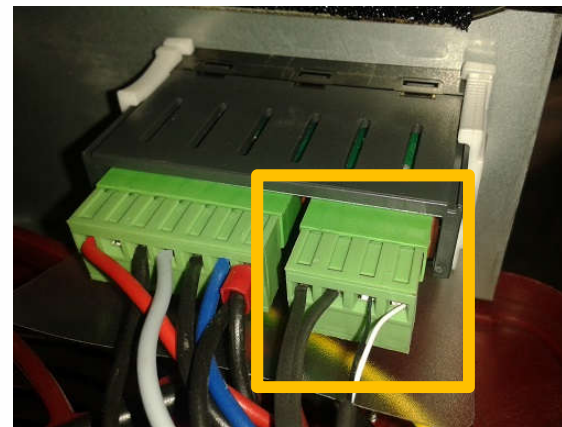
Disconnect the compressor connector, heater connector and probes connector.



*Compressor
connector*



*Heater
connector*



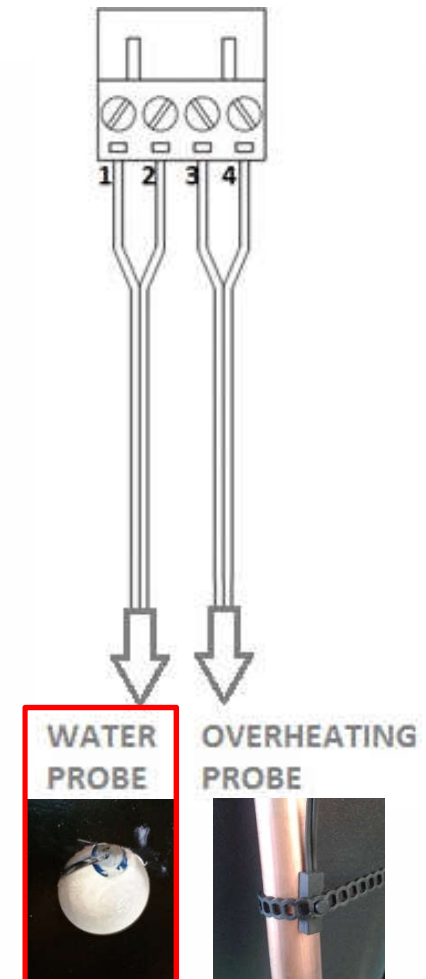
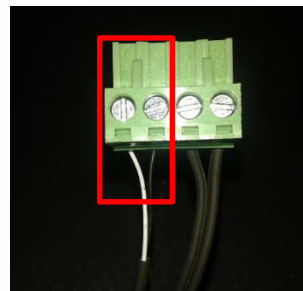
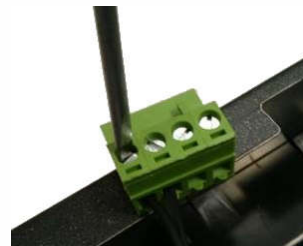
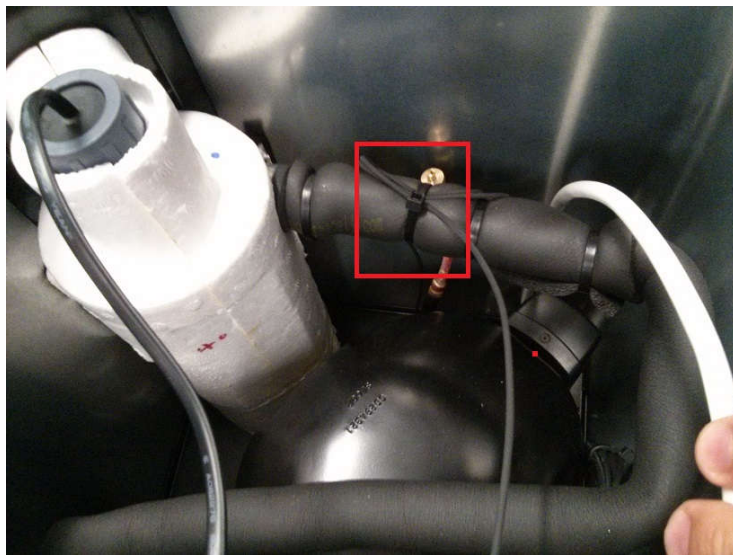
*Probe
connector*

STEP n. 6

Cut the black clamps inside the chiller that embrace the probe's wire. Then with the small screw driver, disconnect the green connector from the water probe's wire. Pay attention to not confuse water probe with overheating probe.

Water probe wire comes from the bottom of exchanger.

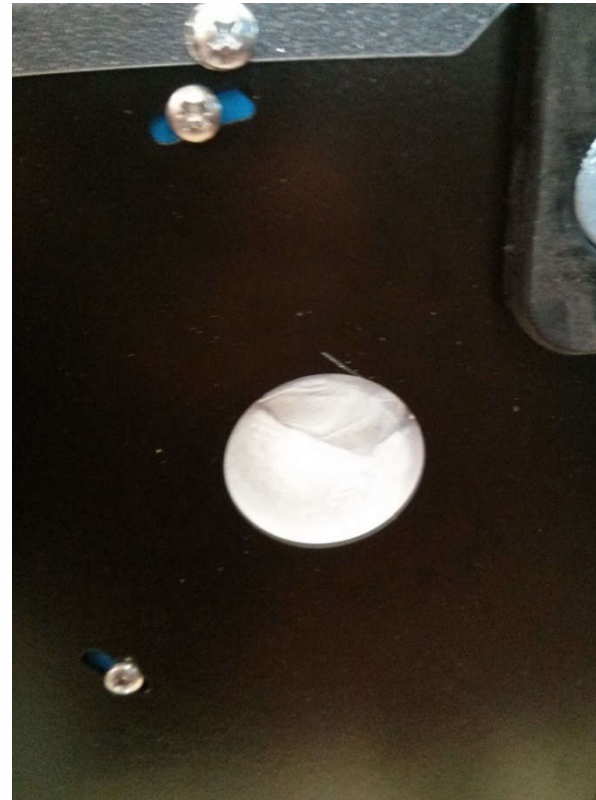
Overheating probe comes from drier filter. If there is overheating probe, don't disconnect its wire from green connector.



STEP n. 7

Remove the rubber cup positioned in the chiller's bottom side.

Now you are able to see the probe's position and its insulation.



STEP n. 8



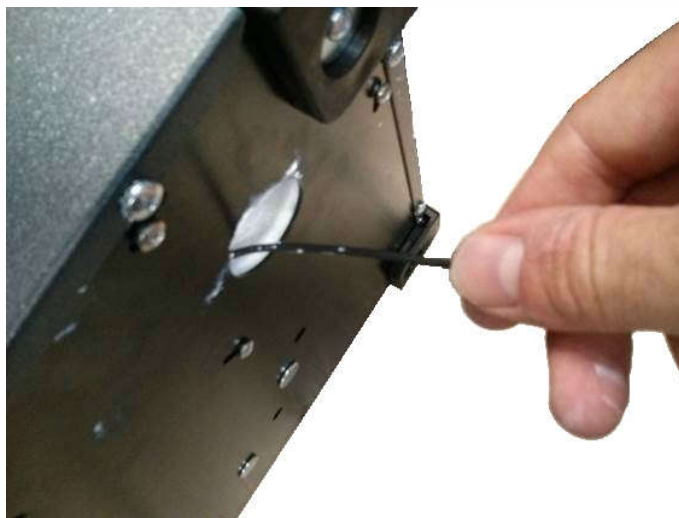
Remove the probe's insulation.

Then remove the probe from its position, pulling it off from the wire.

STEP n. 9

Take the probe and remove it from the exchanger's bottom part, following the small passage where the probe's wire pass.

Then, from the chiller's top part, take out the probe.



STEP n. 10



Take the new probe and put the probe's final part (two wires) in the exchanger's small passage. Go in the chiller's bottom part and take out the probe's wire.

STEP n. 11

Insert the new probe inside the exchanger.

ATTENTION: the probe has to touch the pipe's end part.



Take the probe's insulation and put it on the probe's hole.

ATTENTION: there must not be any air leakage !!

Insert the black tap in its place.



STEP n. 12

Connect the probe's wire to the green connector using the screw-driver. Then re-connect it to the thermostat.

Take a new black plastic clamp and pinch the probe's cable around the exchanger's pipe insulation, as showed in the picture.



STEP n. 13



Take the fan support Assembly.

Reconnect all connectors and fix it at the chiller's body.

Attention: the front panel side must be insert in the aluminum profiles!

Rebuild the top part of the chiller following the indicated sequence:

- 1. 4 INOX screw (fix the fan support on the metal cover)*
- 2. Conveyor*
- 3. Air filter*
- 4. Air filter grid*