

**HEATER INSTALLATION GUIDE**



FOR

**TR30**

**TR60**

## Safety

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TECO chillers are designed and built with safety as a prime consideration; industry-accepted safety factors have been used in the design. Each chiller is inspected at the factory for safety and operation. Any necessary adjustments are made before shipment. Follow the maintenance schedules outlined in this manual for optimum performance and safe operation. Any repairs should be done only by qualified personnel with proper training and tools. Carefully read all safety requirements before installation, operation or maintenance. The requirements are essential to ensure safe operation. Failure to follow these guidelines voids the warranty and may result in chiller damage or personal injury.

- Do not install or try to repair a chiller that has been damaged in shipment.
- Turn off and unplug the chiller before performing any work. Electricity has the potential to cause personal injury or equipment damage.
- Do not operate the chiller at temperatures above the maximum ambient temperature (35°C)
- Always supply electrical power that complies with the voltage shown on the data label.
- Work on the refrigeration system must be done only by an F-GAS certified technician.
- Do not plug into wall socket without the housing in place.
- Configure the electrical cable to include a "drip loop" - a loop section of cable that hangs below the electrical outlet - this prevents water from reaching the outlet in the event of a leak.
- It is recommended that this product be used with an RCD (residual current device).
- Do not look directly at an illuminated UV light (if installed).
- Do not operate chiller without water flowing through it.
- Never allow heater to be on without water flowing through the chiller.
- Do not run pressurized water through chiller. Chillers are designed to accept water flow from recirculating pumps. Pressure pumps or high-pressure water lines will damage the chiller. If in doubt about your pump, contact the pump manufacturer.



## **Contact Us**

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# STEP 1



- 1 Turn off and unplug the chiller.**
- 2 Remove screws from housing. Slide housing about 8" (20cm) back.**
- 3 Unplug green ground wire from housing. Slide the housing off.** Keep the plastic washers that come with the housing screws, these prevent chipping of the housing powder coat.
- 4 Slide Housing completely off.** Do not operate the chiller until housing is replaced.

## STEP 2



**1** Unscrew and remove ring nut over Heater port. Use cloth to cover the plastic ring nut to prevent damage from pliers.

**2** Remove plug and o-ring from ring nut.

**3** Place o-ring over the top of the Heater and push down approximately 3/4 inch to 1 inch onto the Heater.

**4** Insert Heater into heat exchanger until o-ring seats into outlet lip. If you encounter resistance while inserting the Heater, gently turn the Heater and apply very slight force.

**5** Put ring nut over quartz sleeve and o-ring. Tighten to seal.

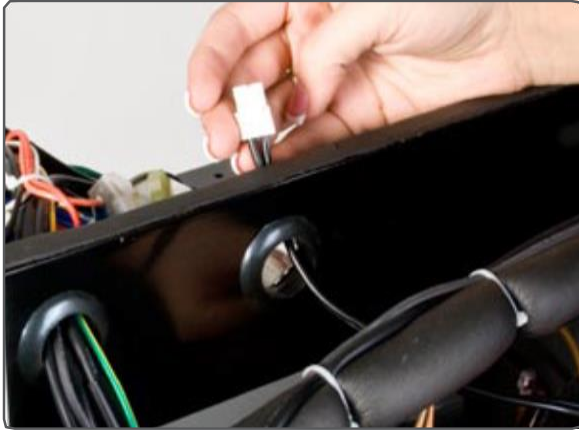
**6** Use tongue and groove pliers or similar to ensure there is no leak.



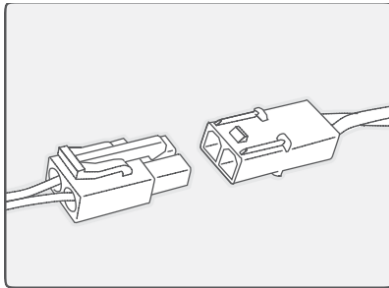
← O-RING



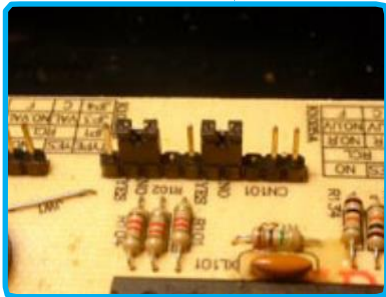
## STEP 3



- 1 Pull the heater plug through the hole in the frame.**
- 2 Connect two-pin adapter on wiring harness to one of the available two-pin connectors mounted on top of support strut.**



# STEP 4



- 1 Plug in and turn on the chiller
- 2 Find the circuit board on the top of the electronic housing. Remove the plastic 'jumper' from prongs 4 and 5 (See Diagram Below).
- 3 Place 'jumper' on pins 7&8; this will reset your chiller.
- 4 Remove jumper from pins 7&8.
- 5 Now turn off your chiller.
- 6 **CAUTION: Leaving chiller on with no water flowing will cause the unit to overheat.**
- 7 Place 'jumper' over pins 5&6
- 8 Note: Re-setting your chiller will change your set temperature to the default of 25°C.
- 9 Re-connect the green ground cable, replace housing. Your chiller's heater is now installed.

UV Jumper	Heater Jumper	Reset Jumper	
○ ○ ○	○ ○ ○	○ ○	No Heater or UV
○ ○ ○	○ ○ ○	○ ○	UV Installed
○ ○ ○	○ ○ ○	○ ○	Heater Installed
○ ○ ○	○ ○ ○	○ ○	Heater and UV Installed
1 2 3	4 5 6	7 8	