



# Heater Upgrade Instructions

# Important Safety Precautions

It is recommended that you plug the chiller into a GFCI outlet at all times. Do not operate SeaChill chillers or any accessory to SeaChill chillers (heater or UV sterilizer) without water flow. Overheating of lamp or heater may occur.

After installation, monitor unit for at least an hour to confirm there are no leaks.

To avoid potential electric shock, care should be taken since aquarium equipment involves use of electricity and water. For each of the following situations, do not attempt repairs by yourself; return the appliance to an authorized service facility for service or discard the appliance:

1. Unplug chiller from wall outlet before installation of Heater. Only plug chiller in when directed to by the installation instructions.
2. If electrical components of the chiller or Heater get wet do not plug in until thoroughly dried
3. Examine the Heater closely after installation. Do not plug in if there is water on parts not intended to be wet.
4. Do not operate chiller or Heater if it has a damaged cord or plug, or if it is malfunctioning or damaged in any manner.
5. Close supervision is necessary when any appliance is used by or near children.
6. Always unplug the chiller from an outlet when before putting on or taking off parts, and before cleaning. Never yank cord to pull plug from outlet. Grasp the plug and pull to disconnect.
7. Do not use the Heater for other than intended use. The use of attachments not recommended or sold by the Heater manufacturer may cause an unsafe condition.
8. Do not install or store the Heater where it will be exposed to the weather or to temperatures below freezing.
9. Make sure the Heater is properly installed before use.
10. If an extension cord is necessary, use a cord with a proper rating. A cord rated for less Amperes or watts than the chiller with Heater may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.



KEEP THESE INSTRUCTIONS

# Contact

TECO US is the United States distributor for Seachill.  
For technical support, safety concerns, or sales, contact:

[service@tecous.com](mailto:service@tecous.com)

or visit us online at:

[www.tecous.com](http://www.tecous.com)

# Parts & Tools

Parts needed for Heater installation.

**Teco will supply:**

Zip ties for wiring (6)

**Tools needed:**

Channel lock pliers or similar



Unscrew the Ring Nuts and remove the shut off valves from the chiller.



Use channel lock pliers or similar to loosen plastic nuts holding the housing in place. It is not necessary to grip nuts tightly, a loose grip will help prevent scarring of plastic. If desired, a piece of duct tape may be used to cover the teeth of the channel lock pliers to prevent scarring of the plastic nuts.



Once loosened, manually remove the plastic nuts.

# Step 1

## Removing The Shutoff Valves



Remove air filter from chiller housing.



Pull upwards on rear of chiller housing, loosening it on the frame of the chiller.



Insert fingers between housing and frame of the chiller at the front. Once fingers are between frame and housing, lift upwards.



Lift housing off of chiller frame

# Step 2

Removing Filter / Housing



Unscrew and remove ring nut over Heater port.



Remove plug and o-ring from ring nut.



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



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.

## Step 3

Installing The Heater



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



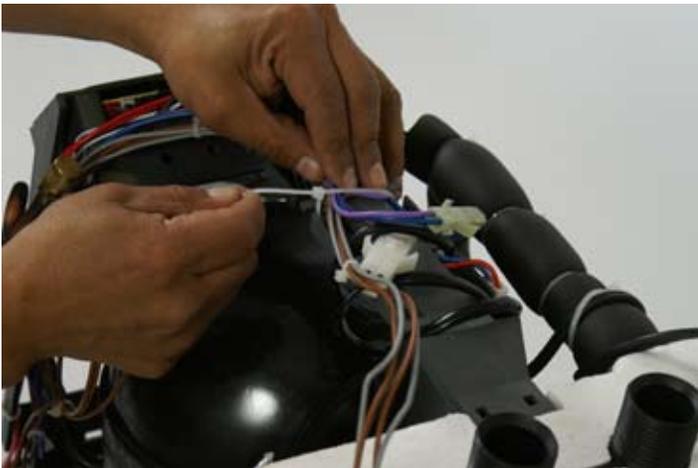
Use channel lock pliers or similar to insure there is no leak.

# Step 3

Installing The Heater



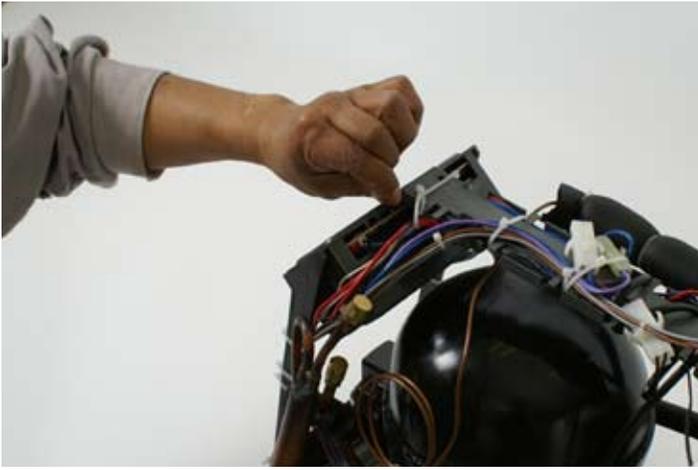
Connect two pin adapter on wiring harness to two pin connector mounted on top of support strut.



Use zip tie to fasten wiring harness to support strut.

# Step 4

## Connecting the Pin Adapter



Plug in and **turn on** the chiller

At the top of the control panel, above the display and controls are a series of small metal prongs. Remove the plastic “jumper” from prongs 4 and 5.

Place jumper on pins 7&8, this will reset your chiller.

Remove jumper from pins 7&8.

Now **turn off** your chiller.

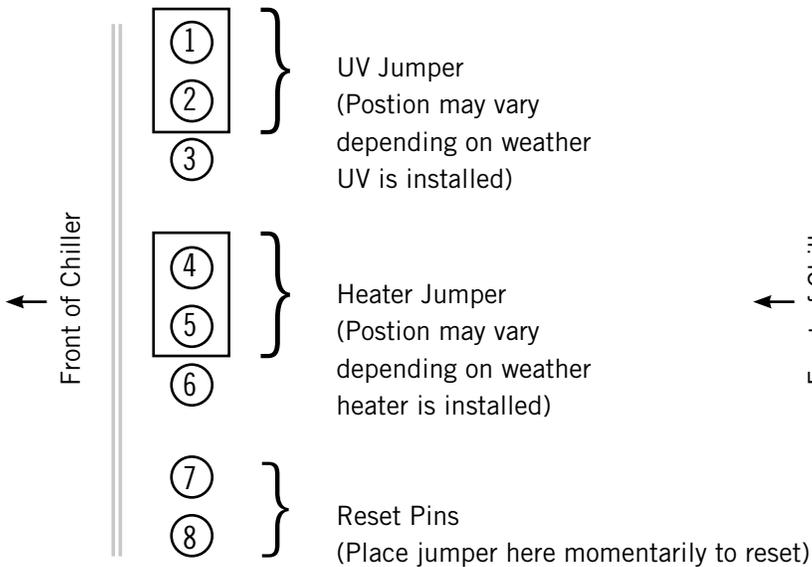
**CAUTION: Leaving chiller on with no water flowing will cause the unit to overheat.**

Place Jumper over pins 5&6 (see diagram below)

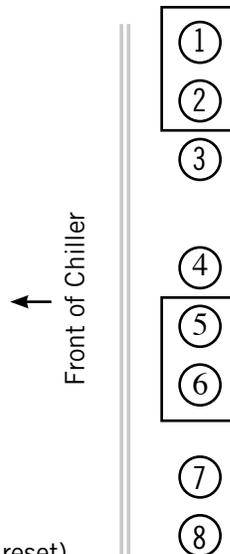
Note: Resting your chiller will change your set temperature to the default of 73.



### Before Instillation



### Settings Required to operate the Heater



# Step 5

## Resetting Chiller / Changing the Jumper Settings



It is important to line up housing with the control panel. If the control panel does not fit the slot designed for the control panel, housing is not seated correctly.

Press down firmly on the rear of the housing. You will feel the housing snap into place.

Replace plastic nuts over threaded inlet and outlet ports. Tighten with channel lock pliers. Replace shut off valves.

Chiller is now ready for operation. Once water is flowing through chiller, check carefully for any leaks.



To test your heater, push the SET button on the chiller and raise the set temperature higher than the aquariums' current temperature. The red indicator light should come on, indicating that the heater is working. Monitor chiller long enough to see the temperature increase by at least 1° F. Once this has occurred, reset SET temperature to desired level.

Your heater is now operational.

# Step 6

## Replacing the Housing