Upgrade Instructions

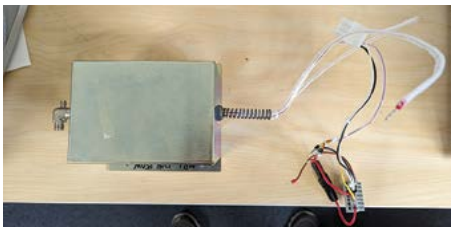
for TOC-625

Parker

ENGINEERING YOUR SUCCESS.

Replacement component(s):

Limit Controller:
B04-0843 (120V)
B01-0253 (220V)



New Heating Tower Harness and Assembly:
B01-0244 (120V)
B01-0245 (220V)

New Limit Controller Bracket for upgrade kit:
B01-0239

Required Tools:

Philips Screwdriver #2

Adjustable wrench (x2)

2.5mm flathead screwdriver

Removing old components:

Step 1

Open the side panel

Step 2

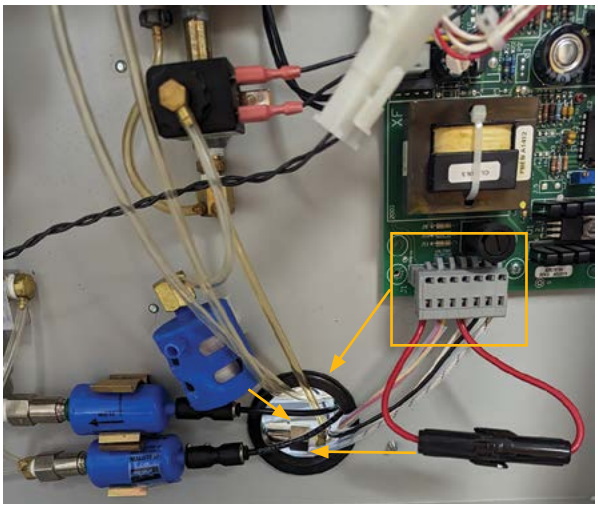
There are 2 sides to the Unit:

a. Side 1: heating tower side
b. Side 2: pcb board side

Step 3

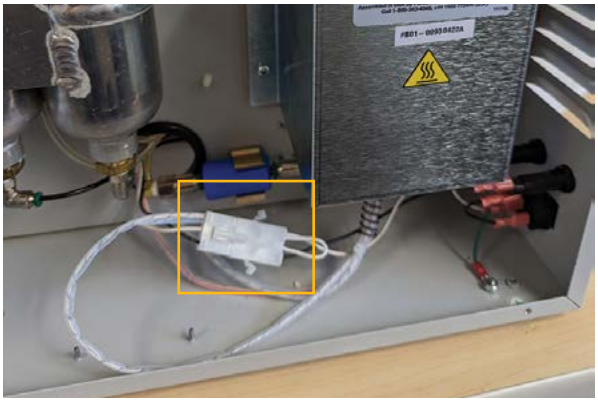
Unplug the angled gray Wago connector from the PCB board.

a. Feed the wires and the Wago connector through the hole in the center.



Step 4

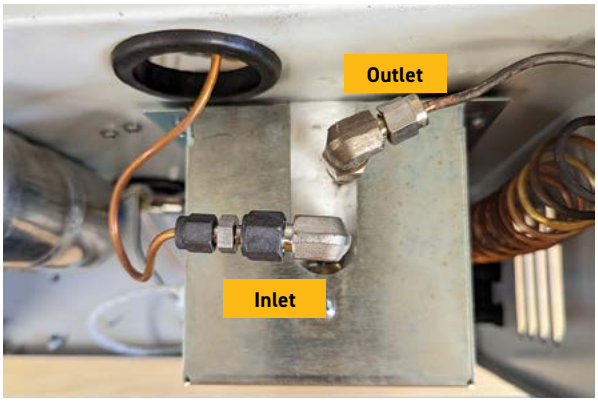
Unplug the 3 pin molex connector on the heater side of the unit.



Step 5

Using 2 wrenches loosen the 2 nuts from the inlet and outlet ports of the heating tower.

a. Use 1 wrench to hold the fitting head in place so it doesn't move and 1 to loosen the nut.

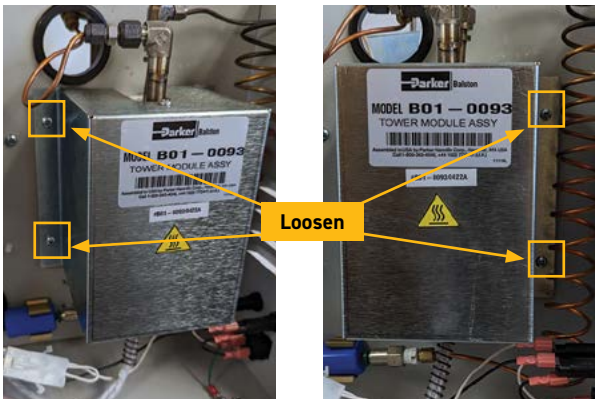


Step 6

Using the Phillips head screwdriver, remove the 4 screws holding the Tower module assembly to the chassis.

Step 7

Remove the old tower and harness assembly from the unit.



Adding updated/new components:

Step 1

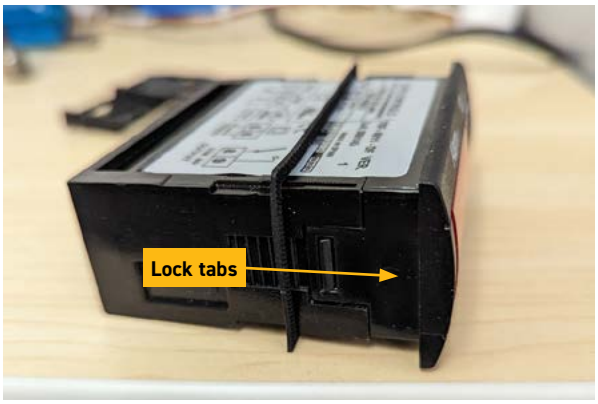
a. Add the grommet to the limit controller

b. Install the limit controller into the limit controller bracket

   i. Ensure that the bracket tab is facing towards the right and the limit controller's read out screen is facing left (seen in the right picture below)

      • Ensure that limit controller label is facing the front (as shown in the picture below)

c. Lock the limit controller with the locking tabs on both sides, by sliding the lock tabs into the groove and pushing it gently forward until it clicks.



Step 2

Install the limit control + bracket to the TOC625 unit

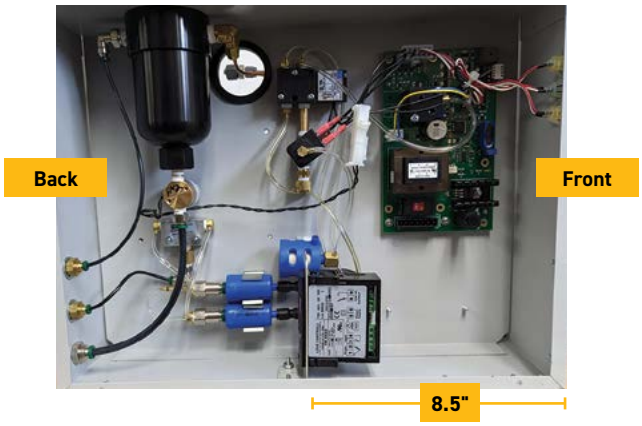
a. Use an alcohol packet or a damp cloth, clean the adhesion area of dust.

   i. Adhesion area: 8 ½'' from the front of the unit

b. Remove the protective film of the double-sided tape on the bottom of the limit controller bracket

   i. Attached the assembly on the PCB board side of the unit.

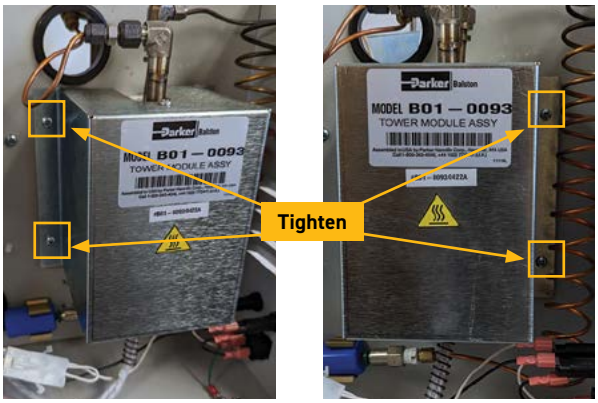
   ii. Push down on the bracket to ensure the bracket is secured onto the base of the unit



Step 3

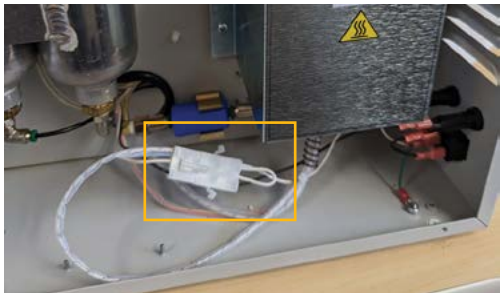
Install the new heater tower (B01-0244 (120V) B01-0245 (220V))

a. Use a screwdriver to tighten the 4 screws to lock the new heater tower in place.



Step 4

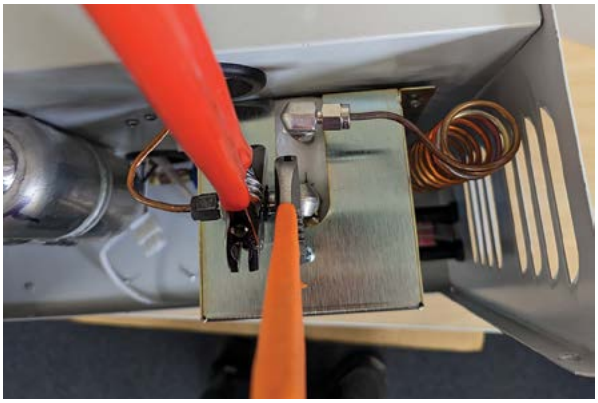
Connect the 3 pin molex connector with the one on the new heater tower (B01-0244 (120V) B01-0245 (220V)) .



Step 5

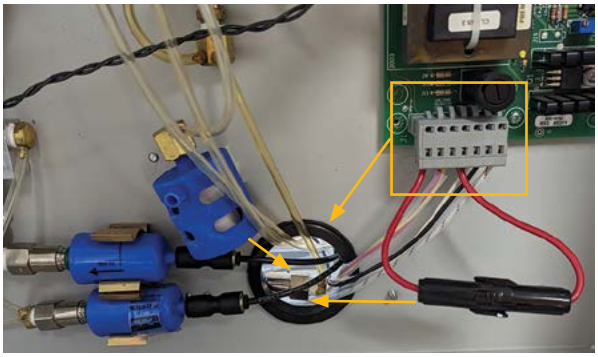
Reattach the copper inlet and outlet tubes using 2 adjustable wrenches.

a. Use 1 wrench to hold the fitting head in place so it doesn't move and 1 to tighten the compression nut.



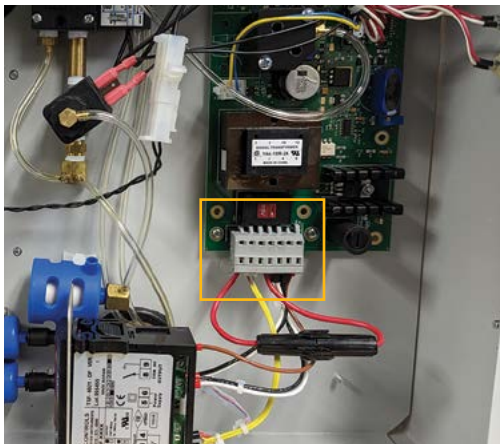
Step 6

Feed the remaining harness assembly of the new heater tower through the bottom hole in the middle panel to the PCB board side.



Step 7

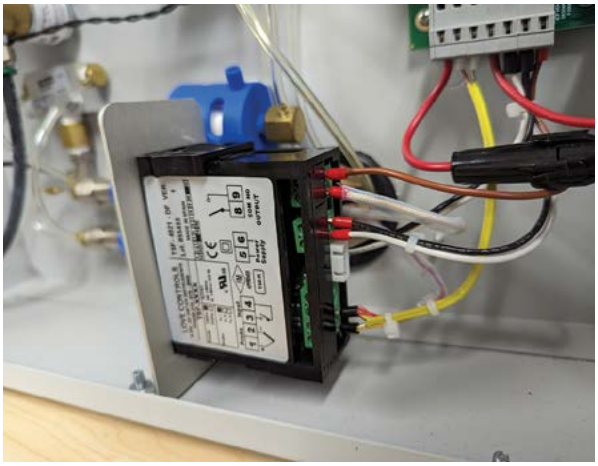
Connect the angled gray Wago connector to the PCB board



Step 8

Wiring the limit controller with the wires from the new tower harness

a. After each wire is inserted into the limit controller use a 2.5mm flat head screwdriver to tighten the wires to the limit controller
   i. Slot 1: Yellow thermocouple wire
   ii. Slot 2: Red thermocouple wire
   iii. Slot 5: white wire
   iv. Slot 6: black wire
   v. Slot 8: braided wire from tower module assembly
   vi. Slot 9: brown wire



Testing:

Step 1

Turn the unit on

Step 2

Let the unit run, until the temperature shown on the limit controller reaches its maximum temp (550-650˚c) and stabilizes. (15-30 mins)

Rev. A
TI-TOC625-UPG

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