

# Control Board / LCD Display Kit Installation

## [002-10166-00]

**Applies to Models:**

QC1-01  
QC3-01  
QC6-01

**Special Tools:**

none

Language of origin: English



**WARNING**

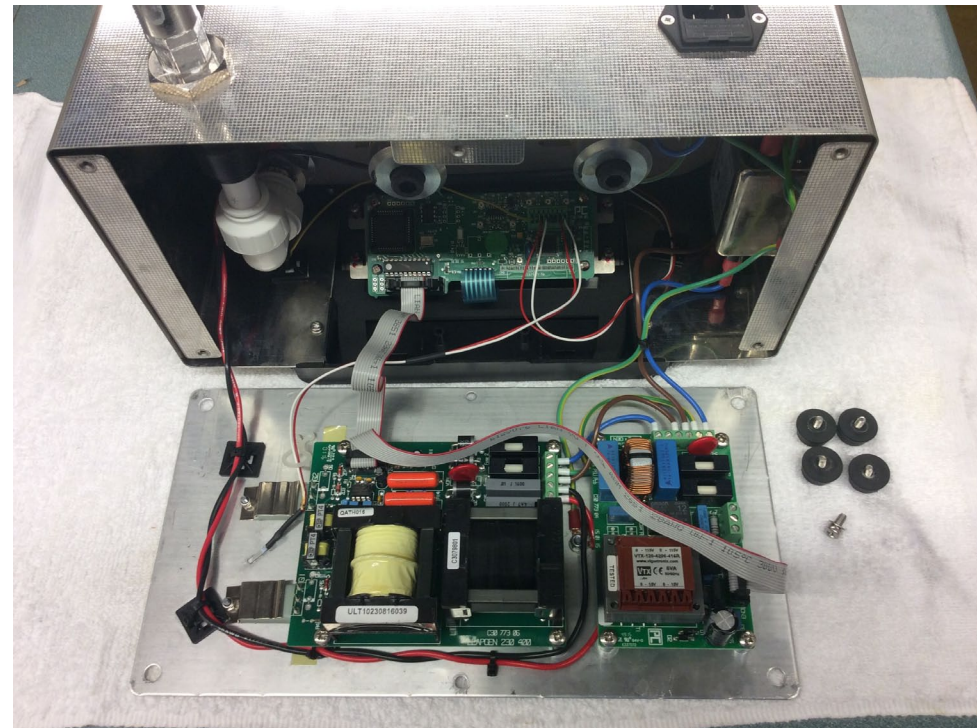
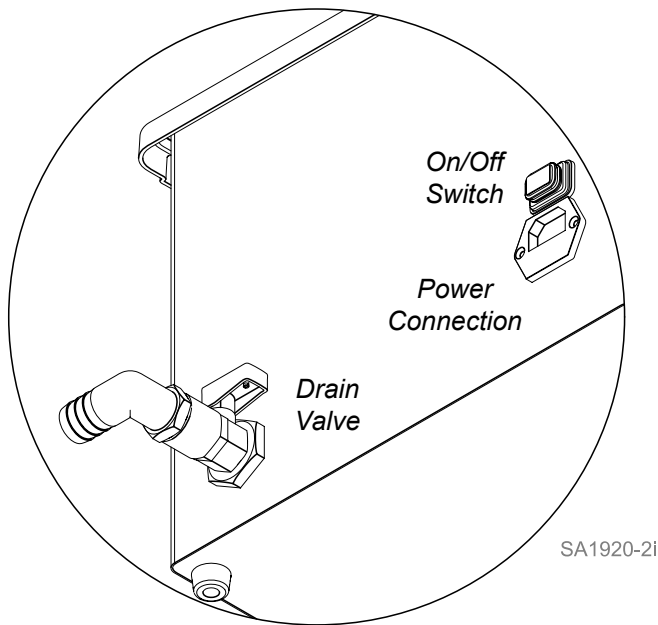
To prevent risk of shock always disconnect power before removing covers or performing any service procedure.

**Step 1: Power Off and Drain Tank**

- A) Turn power off and unplug the main power cord.
- B) Open drain valve and empty fluid from tank into suitable container or drain.

**Step 2: Remove Base Plate Assembly.**

- A) Place the front (display side) of ultrasonic down and remove the four rubber feet (each corner) and screw(s) (number of screws depends on model) from bottom of the ultrasonic.
- B) Separate bottom plate from ultrasonic and rotate top of plate down and away from unit. This allows you to place the bottom plate on the table with out disconnecting wires.



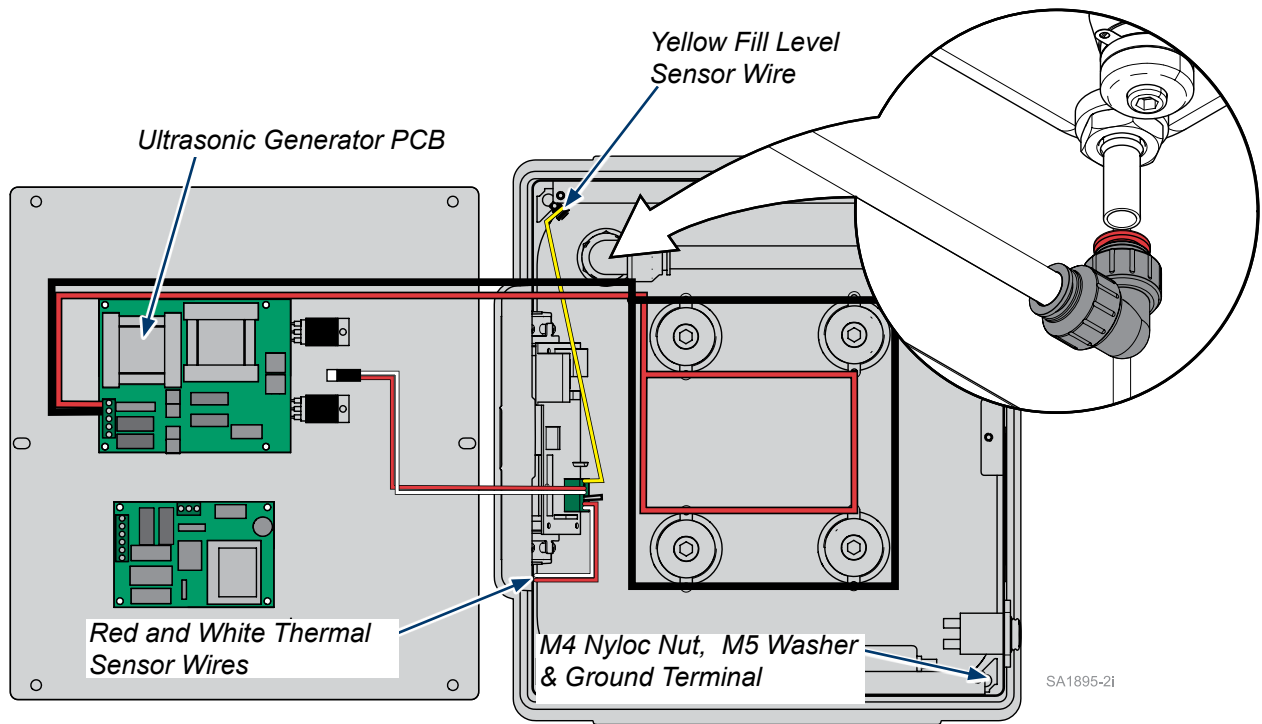


### Equipment Alert

To prevent damage to the wires ensure they are routed correctly and secured with zip ties.

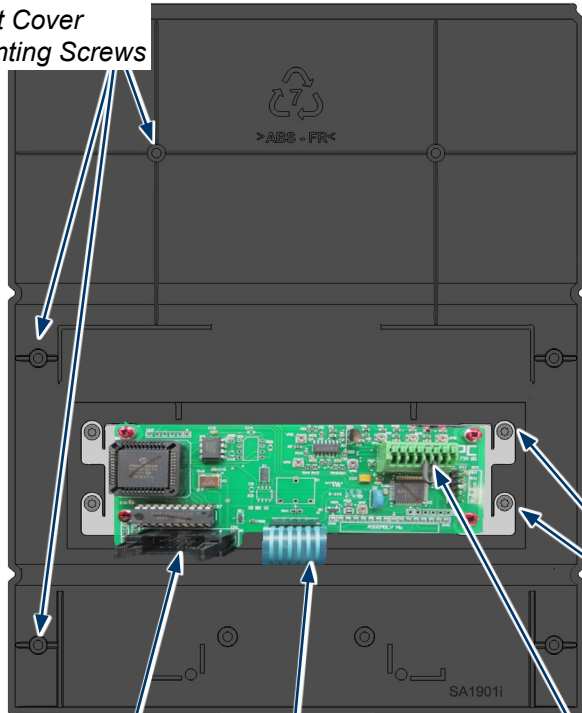
### Step 4: Remove Tank Assembly

- Disconnect wires connecting the tank to the rest of the unit.
  - Red & black from Generator PCB
  - Red & white from Control PCB to Tank Temperature Sensor
  - Yellow from Control PCB to Fill Level Sensor
- Remove nyloc nuts, washers & terminal holding the green yellow stripe ground wire from the tank studs in the corners.
- Depress and hold the quick fitting elbow retaining ring (shown in red) toward the elbow to release its grip on the metal tube coming from the bottom of the tank.
- Slowly remove the tank from the case. The metal tube extending into the elbow will come out of the elbow fitting as the tank is removed.



SA1895-2i

Front Cover Mounting Screws



Ribbon Cable Connection

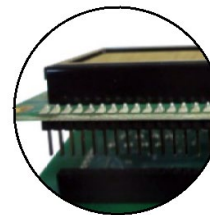
Touch Pad Ribbon Cable

Remove Wires

Mounting Screws

### Step 5: Replace Control Board / LCD Display.

- Disconnect wires connecting the front panel to the rest of the unit.
  - Ribbon cable by pulling outward on the side tabs and removing connector
  - Red & white from Control PCB to Base Plate Temperature Sensor
- Remove front cover mounting torx screws(6), remove front cover.
- Remove outer mounting torx screws (4) attaching the Control PCB and LCD Display .
- Disconnect the touch pad ribbon cable connecting the Control PCB to the Touch Pad.
- Remove stand off screws holding the two circuit boards together. Separate the boards by pulling them apart at the connection.
- Reassemble unit with new Control Board & LCD Display by reversing these directions.



Board Connection

