

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

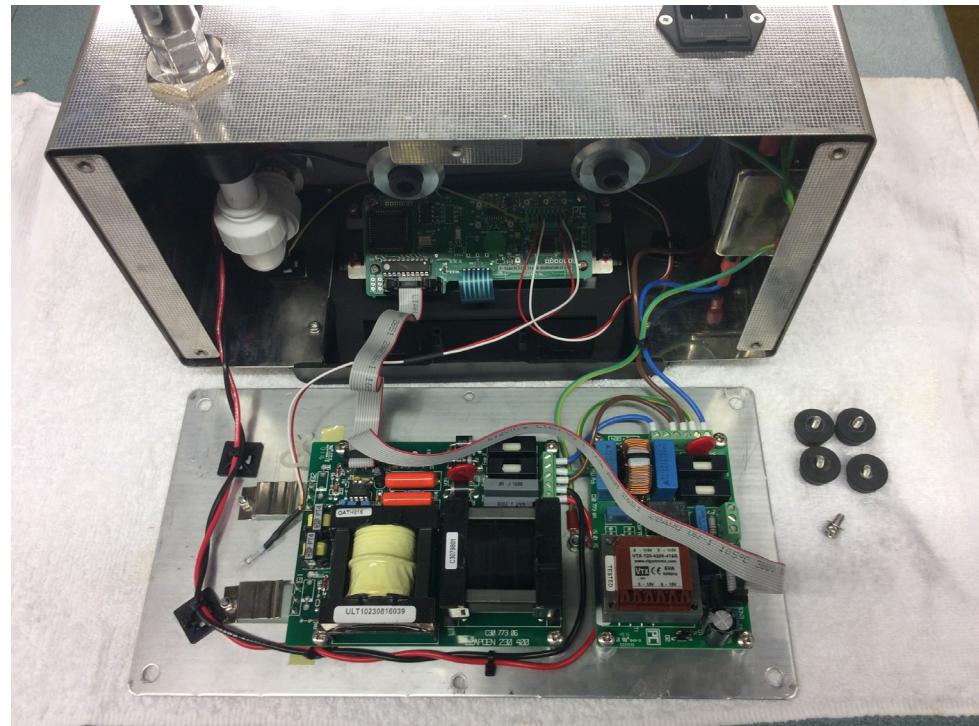
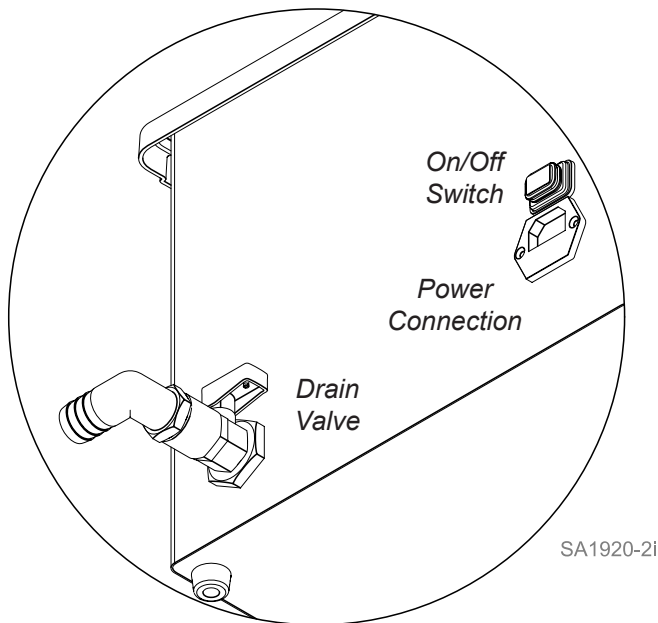
To prevent risk of shock always disconnect power before removing covers or performing any service procedure.

Step 1: Power Off and Drain Tank

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

Step 2: Remove Base Plate Assembly.

- 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.
- 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.



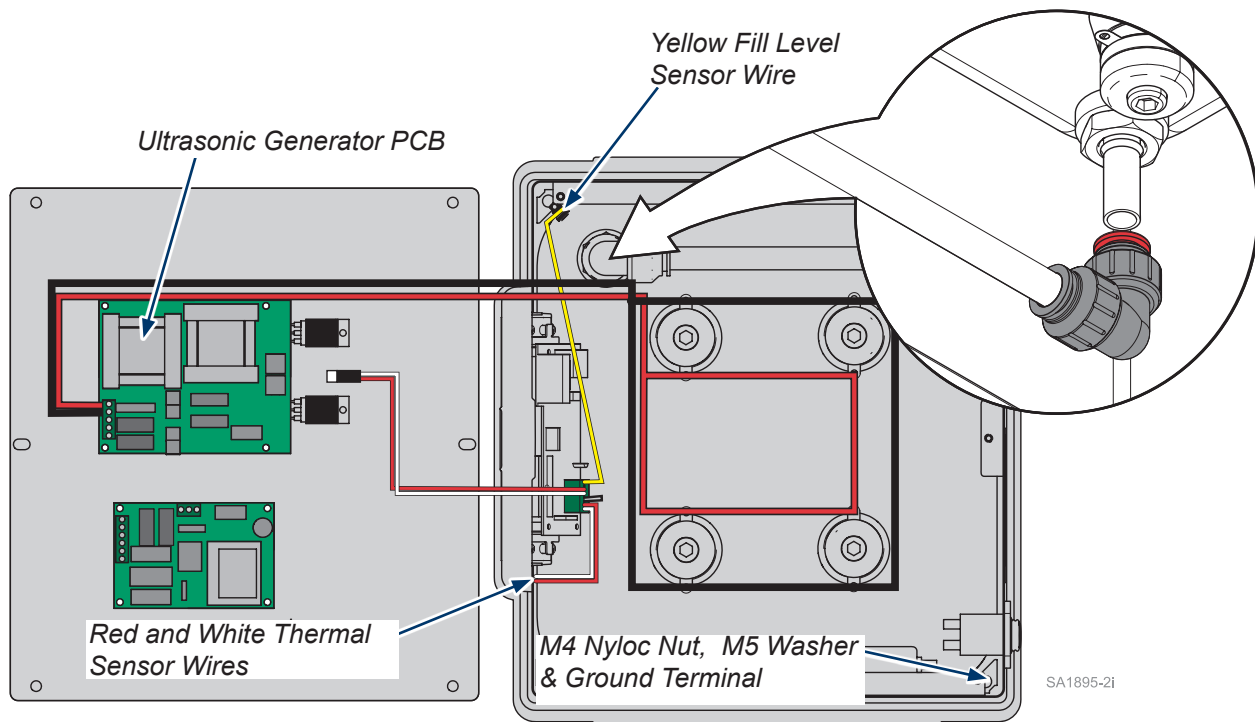


Equipment Alert

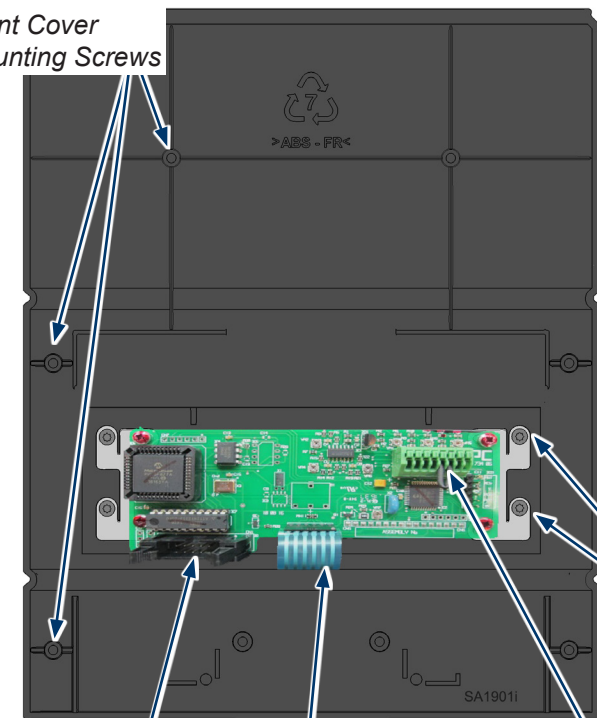
To prevent damage to the wires ensure they are routed correctly and secured with zip ties.

Step 3: 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 it's 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.



Front Cover Mounting Screws



Step 4: 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.

