

PREPARATION



- Disconnect electrical power at the breaker or disconnect switch and lockout/tagout in accordance with procedures and codes.
- Ensure that incoming water to the machine is secured either by use of a shut-off valve or by disconnecting the incoming water line.

INSTALLING THE BOOSTER

TOOLS REQUIRED

- 7/16" wrench & ratchet/socket
- Phillips screwdriver
- Torque wrench

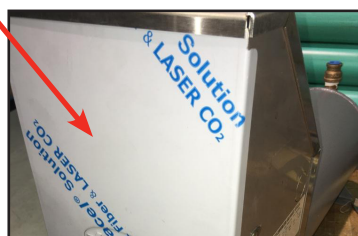
1. Unpack the booster.



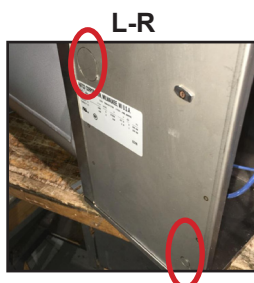
2. Remove the two screws on the front panel of the booster with a phillips screwdriver.



3. Remove the front panel of the booster and set it aside.



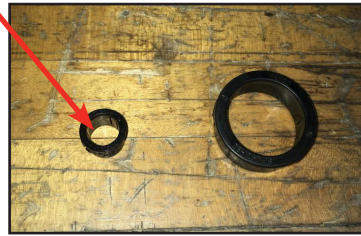
4. Punch out the holes on the side of the booster, left side for left-to-right machines and right side for right-to-left machines.



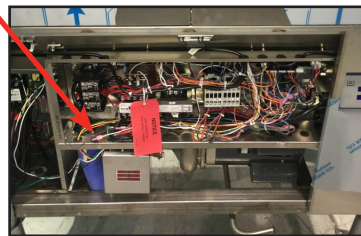
INSTALLING THE BOOSTER HEATER

The plastic fittings from the kit are used in this step.

5. Install the plastic fittings provided, with the large fitting in the larger hole and the smaller fitting in the smaller hole.



6. Remove the front panel of the machine and then remove the control box cover.



7. Remove the side panel on the rinse end of the machine (left side for right-to-left machines and right side for left-to-right machines).

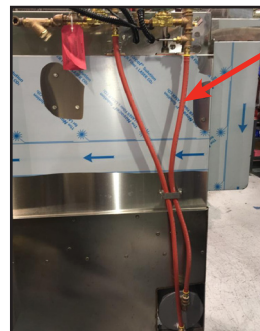


8. Mount the booster on the two studs.



The booster from the kit is used in this step.

9. Remove the existing hose on the machine plumbing and replace with the provided hoses, connecting them to the booster as shown below.



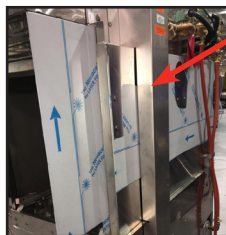
The hoses from the kit are used in this step.

INSTALLING THE BOOSTER HEATER

10. Remove the top panel and terminal block box cover.

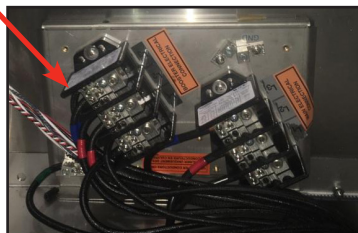


11. With 7/16" wrench and ratchet/socket, remove the wire chute.



12. Route electrical wires from the booster through the large plastic fitting installed in Step 5, then along the path of existing wires to the back of the machine and over into the top of the machine. The wire chute will be reinstalled over these wires at the end of the procedure.

13. Connect electrical wires to the terminal block for the booster.



14. Torque each terminal connection point to a minimum of 35 in-lbs.

15. Locate the green (GRN), black (BLK), and white (WHT) wires loose in the machine control box.



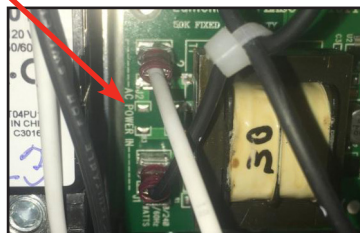
16. Route all three wires through the small plastic fitting installed in Step 5 and into the booster.

INSTALLING THE BOOSTER HEATER

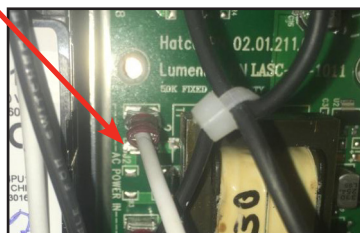
17. Connect the GRN ground wire to the ground lug.



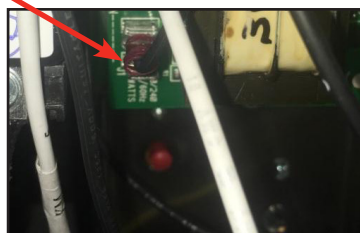
18. Locate the booster circuit board and locate the AC POWER IN section of the board.



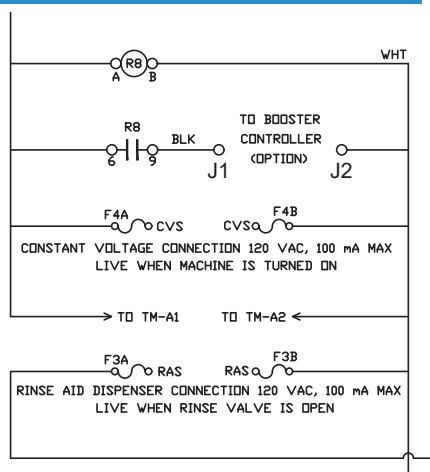
19. Connect the WHT wire to J2.



20. Connect the BLK wire to J1.



BOOSTER SECTION OF THE MACHINE SCHEMATIC



21. Connect the building's power supply to the terminal block for the booster.

The amperage for the booster needed to determine the appropriately-sized breakers can be located on its terminal block.

OPERATION

1. Open water supply valves to the unit. Ensure 110°F water is available for 70-degree rise boosters and 140°F water is available for 40-degree rise boosters. Verify that there are no water leaks during this process.
2. Turn electrical power on to the unit and booster.
3. Ensure that the drain handle is in the closed position and that the doors are shut.
4. Push the power button on the display panel of the unit. The unit will automatically fill. There might be a lag between the pushing of the button and the filling of the unit because the booster must fill first.
5. Once the wash tank is filled, the wash tank heaters will energize approximately 10 seconds later.
6. Jam the final rinse switch open to energize the final rinse valve.
7. Monitor the final rinse temperature and obtain amperage readings on each phase of the booster and compare to the ratings on the booster data plate (take the reading at the terminal block area).
8. Adjust the booster thermostat if necessary to obtain a minimum of 180°F. The thermostat should already be pre-adjusted between 185°F and 190°F (the thermostat is located within the booster control box).
9. Check for leaks once again.
10. Ensure the final rinse switch is no longer jammed for the test.
11. Replace all panels, the wire chute, and all hardware.