

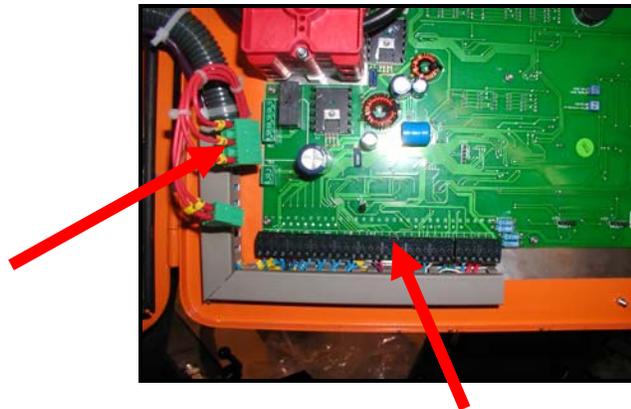
Retrofit Instructions

WARNING! Before correcting any kind of defect, make sure all of the switches are OFF, the Main Power Switch is OFF and incoming power is locked OFF. Allow material temperature to cool below 80 °F and bleed all material pressure to zero.

- 1- Disconnect power to the machine, close the inlet ball valves and relieve all pressure in the system.
- 2- Remove the main power switch from the front of the console.



- 3- Open console and remove the power strip and the two green connectors off the control board



4-Remove the 10 nuts on the out side perimeter and remove the panel.



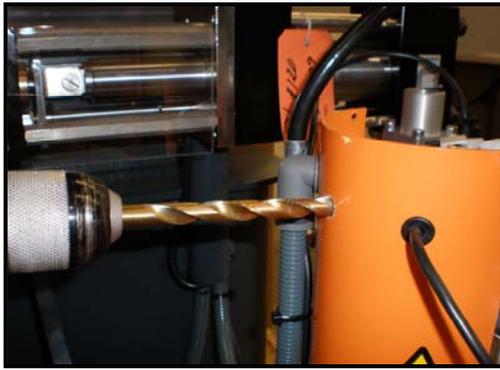
5- Insert the new panel and install using the 10 mounting nuts that you removed from the old panel.



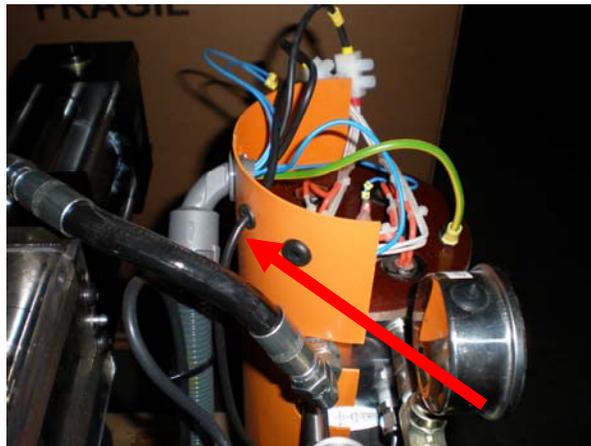
6- Reinstall the main electrical switch.



7-Remove the heater top and side cover and drill a 3/8" hole into the side of the heater cover approximately 2" back from the existing grommet. Clean up the sharp edges around hole and remove all chips from the heater. Be careful not to damage any electrical wires while drilling and install the supplied grommet.



7A- On the G250 the original hole is closer to the top and on the back cover rather than the side. Drill new hole 2-3" from it this hole on both heaters



8-Open the console door and run the purple thermocouple down the support tube and insert it into the grommet, leave 4” to 6” inside the heater. The A side will use the longer of the two wires supplied. Use wire ties and secure the wire to the plastic conduit.



9- Remove the thermocouples from the heaters and remove the fittings. Disconnect the wire from the connector inside the heater and pull the wire out, discard these parts.



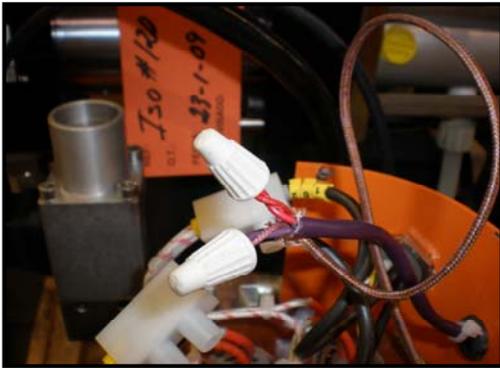
10- Install the new fittings and thermocouples, make sure that the tapered end of the ferrule is facing the fitting.



11- Push in on the thermocouple and tighten the ferrule locking nut while holding the thermocouple against the heater cartage. **Ensure the Thermocouple is in positive contact with the fire rod while tightening nut.** Make sure the position of the thermocouple is in the approximate 4 o'clock position on the "a" heater and 7 o'clock on the "R" heater while tightening the locking nut. Insert the thermocouple metal sheathing into the grommet approximately 1".



12- Strip back the sheathing on the purple thermocouple wire in the top of the heater approximately 2 1/2" and then strip the ends of the two wires 1/2" and connect them to the thermocouple wires using the two ceramic wire nuts provided in the kit. Connect purple to purple and red to red. Install a wire tie to the wires near the grommet.



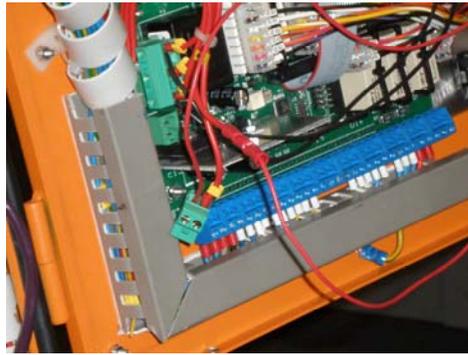
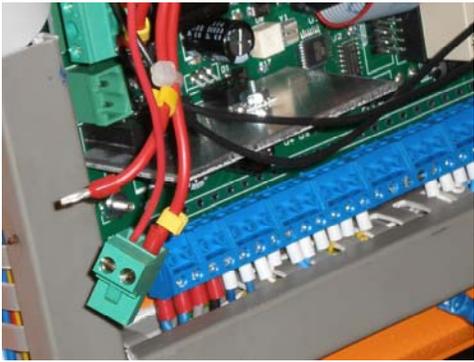
13- Install the power strip onto the new panel. You may have to reposition the wires in the channel to match the positions on the connector. Remove the wires 15 and 16 counting from left to right. Remove the cable that contains these wires and from the channel and reconnect wires to hose controller



14- Connect the wires from light on panel to terminals 1 and 3 on green terminal strip.



15- Remove either the #4 or #5 wire from green terminal block, cut of end terminal and strip wire. Insert one red wire from control power switch into green terminal block where the red wire was removed. Connect the other red wire from the control power switch with the wire that was removed from green terminal block. Reinstall green terminal block to control board.

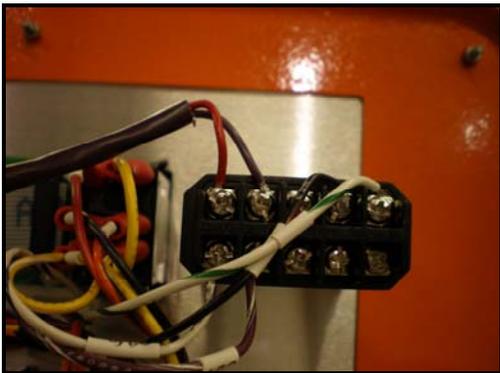


16- Pull the TSU harness out of the channel and, you will have to loosen the strain relief on the bottom of the console and pull the wire up into the console to reach the controller.



TSU wire

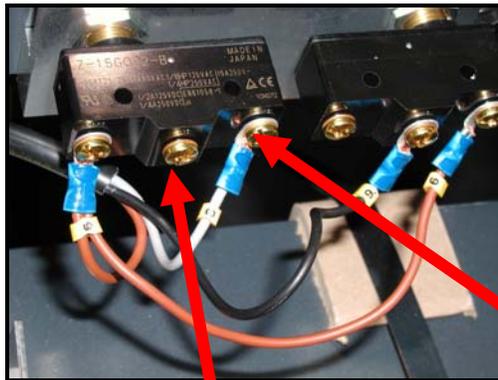
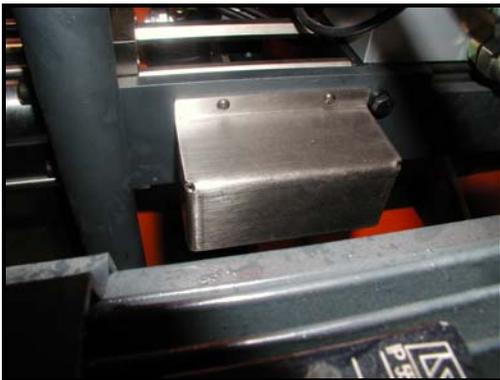
17- Run the “A” side thermocouple wire in the channel and to the “A” heater controller and then run the “R” side thermocouple wire to the “R” heater controller. Strip back the sheathing on all the harnesses approximately 3” and then strip each wire ¼ “, attach them to the top left of the appropriate controller. Red to minus (-) and Purple to plus (+).



18- Use wire ties and dress up the harnesses.



19- Remove the cover from the reversing switch and move the center wire on the “R” side reversing switch to the end position.



Old location

New location

START UP

- 1- Connect and turn on the power to the machine**
- 2- Turn on the transfer pumps and open the ball valves on the inlet side of the Proportioning Pump. Check the heater thermocouple for leaks.**
- 3- Turn on the main power switch.**
- 4- Turn on the control power.**
- 5- Turn the hydraulic pressure knob all the out and turn on the motor.**
- 6- Push the pump switch to the normal position.**
- 7- Purge material through the machine to ensure the pumps and heaters are full with chemical.**
- 8- All the set temperature on the controller are set at 130 degrees at the factory, to see the set temperature push the up or down arrow once on the controller. To change the set temperature push the up or down arrow to the temperature required. The controller will flash and than stop showing the actual fluid temperature.**
- 9- Proceed with your normal start up.**