

Kit Contents (PN 82-2131):

Part Number	Description	Qty
52-4453	WIRE HARNESS ASSY (FOR SWITCH)	1
52-4560	WIRE HARNESS ASSY,SOLD-OUT,WITH LAMP	1
12-0115	PRESSURE SWITCH WITH "T" FITTING	1
11-0086	3-PIN CONNECTOR FOR WIRE HARNESS (52-4560)	1
07-0409	HOSE CLAMP,OETIKER,31/64	2
05-0490	HOLDER,PUSH BUTTON&LAMP,PLASTIC	1
04-0470	SCREW,6-19X.500,PHD,PH/SL,PLT	1

Tools Required:

- Phillips Screwdriver • Oetiker Crimpers • Tube Cutter • Tweezers

Install Instructions

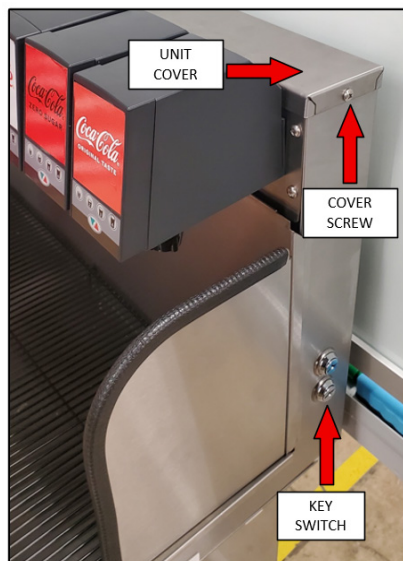
The following illustrates how to install the Portion Control Valve Sold-Out Kit (PN 82-2131).



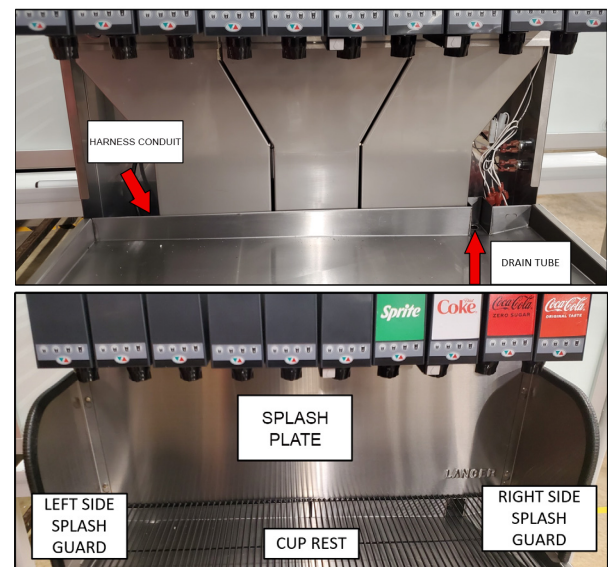
NOTE

A portion control panel can be installed on any unit that has an LEV type valve. The most common units using the portion control valves are Drop-In units.

1. Depressurize the entire unit. Unplug power to the unit or turn the key switch off to the valves. On a Drop-in unit, remove the screws on each end, at the top of the unit, to remove the cover.



2. Disconnect and shut off the soda and syrup from their sources and BIB connections.
3. For drop-in units, remove the left and right side splash guards to allow for more access to the unit during the installation process. Remove the splash plate and cup rest.

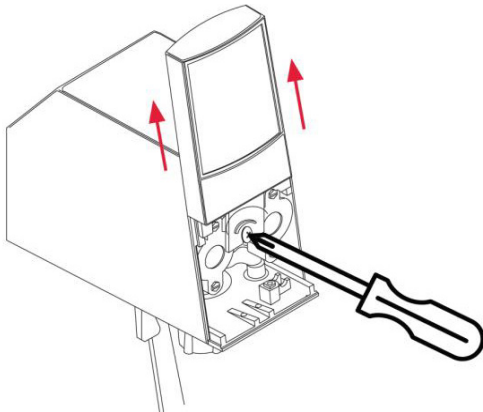


4. Locate the valve position that will be getting the sold-out feature. Take note of the position of the both the sold-out valve and the valves on the left and right side of the sold-out valve as these will be removed.

⚠ NOTE

The valves on the left and right side are removed to allow for easier installation of the sold-out valve. The two valves will be removed but the mounting blocks must stay in place and will not be removed. The valve getting the sold-out will have both its valve and mounting block removed.

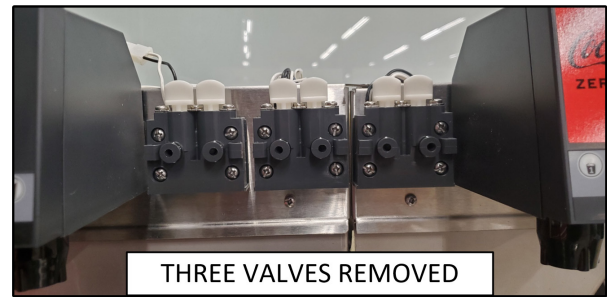
5. For the valves that will be removed, slide the front ID panel up and off the valve cover to expose the valve-cover mounting screw (do not forcefully pull on the ID panel as there are wires attached to the back of it). Loosen the screw (do NOT remove the screw completely) and remove the valve cover.



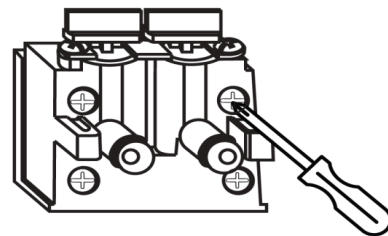
6. Disconnect the black and white power wire connector for all the necessary valves.
7. For the valves that will be removed, move the white stems on top of the mounting blocks to the closed position to shut off water and syrup to valve. Remove the retaining clip and then wiggle off the valve from the mounting block.

⚠ NOTE

Note the position of where each valve belongs in the removal as the valves will need to go back to their original position during reinstallation.



8. For all the mounting blocks with removed valves, place a cup or container over the mounting block openings. Open the white stems for the syrup, soda, and plain water lines (if equipped), to ensure the entire unit is fully depressurized. Then return the white stems to the closed position.
9. For the valve where the sold-out option will be installed, unscrew the four (4) screws to remove the valve mounting block. The block may need to be firmly gripped and wiggled off the faucet plate.

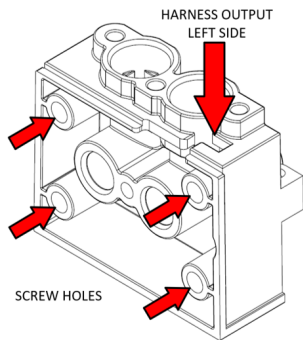


⚠ NOTE

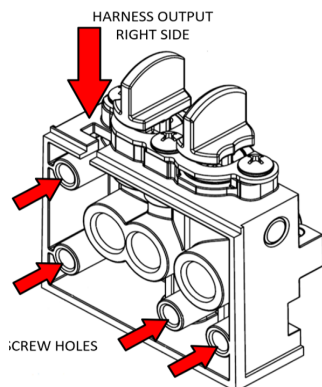
Notice the color of the mounting block. You may see a grey (two-way) block or black (three-way) block. The screws holding the grey block will have two on top and two on the bottom. The black block will have one on top and three on the bottom. Also, note that the harness coming from the back faucet plate and routed out of the mounting block will be on the left side of the grey block and on the right side of the black block. See graphic below for more details.

⚠ NOTE

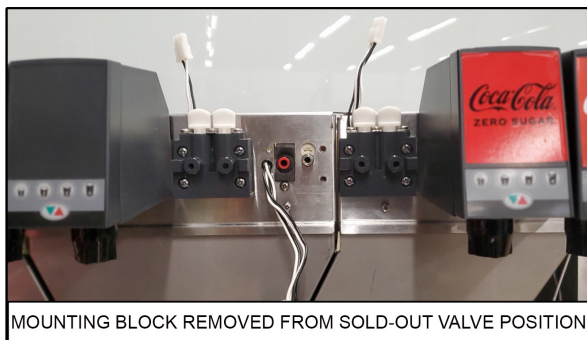
When installing multiple kits, it is best to remove and install one mounting block at a time. This will keep the tubing behind the mounting blocks aligned, in place.



REAR VIEW GREY 2-WAY BLOCK



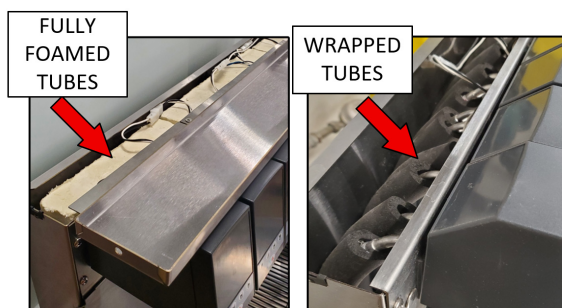
REAR VIEW BLACK 3-WAY BLOCK



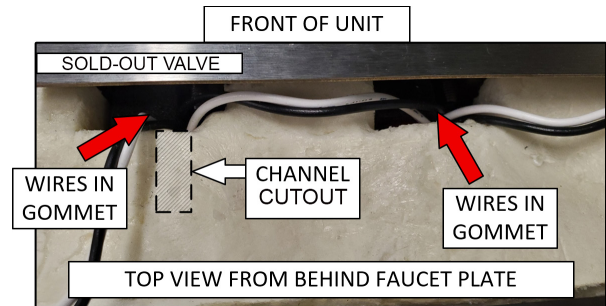
MOUNTING BLOCK REMOVED FROM SOLD-OUT VALVE POSITION

⚠ NOTE

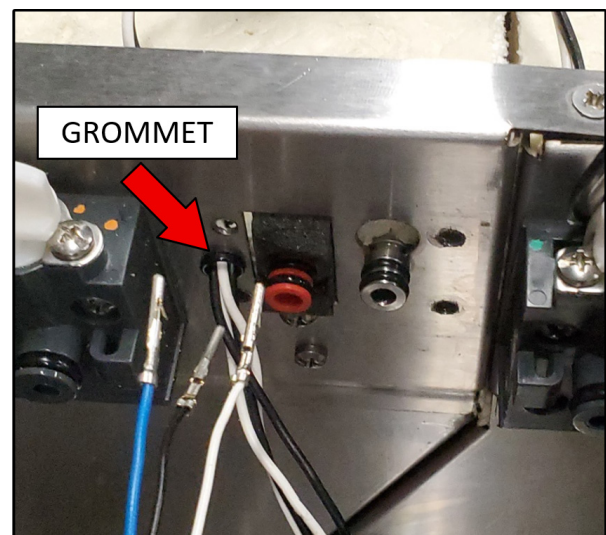
In order to run the wires of the 52-4560 harness through the grommet in the faucet plate, drop-in units with fully foamed tubes behind the faucet plate will require modification. When removing the cover as specified in Step 3, it will be clearly seen if the unit has fully foamed tubes or tubes wrapped in foam. Refer to Step 9 for instructions on how to modify.



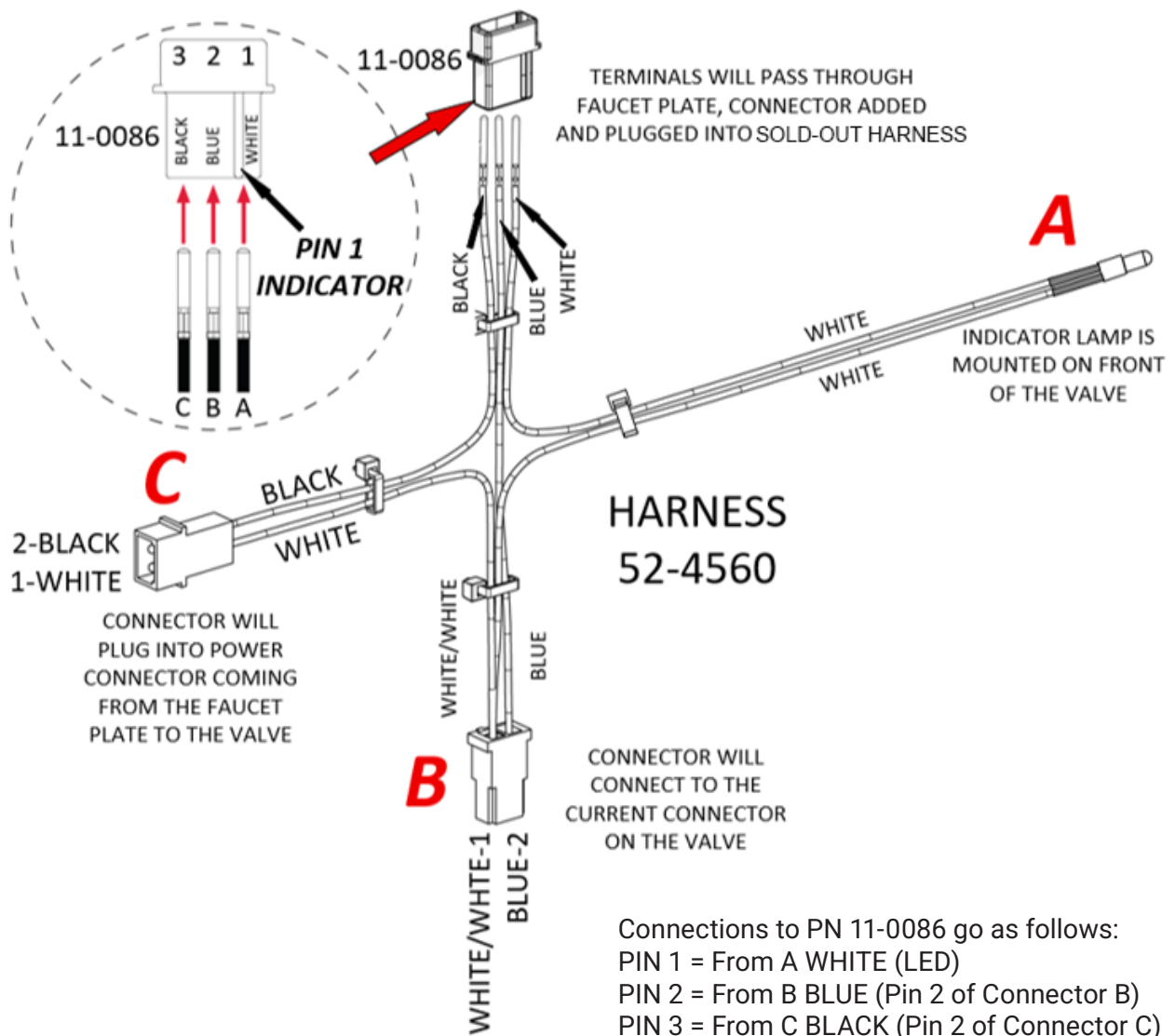
10. For drop-in units with fully foamed tubes, the leads of the 52-4560 harness will have pin terminals. Once it passes through the grommet in the faucet plate, it will want to get embedded in the foam. Dig a small channel out of the foam so the pin terminal can clear the foam. The created channel needs to be behind the grommet and must keep the integrity of the foam covering the tubes to prevent condensation.



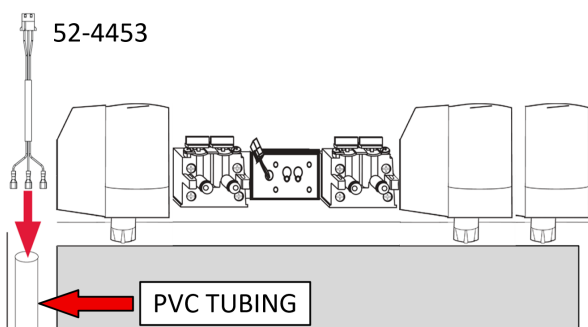
11. After the modification (if necessary) was made, insert the three (3) wires with male terminals on the 52-4560 harness into the faucet plate hole where the black and white wires are already coming through.



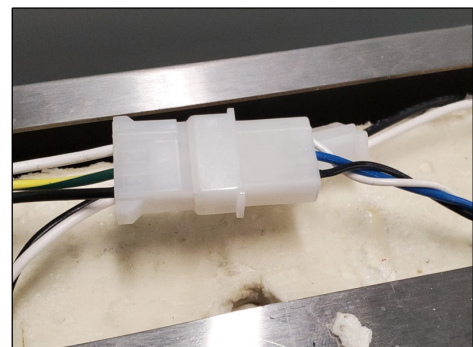
12. Once all three (3) wires are through the hole, a pair of tweezers may be needed to grab, snag, or hook each of the three pins to the top of the foamed surface. Connect the white, 3-pin connector (PN 11-0086) provided in the kit. This connection will happen behind the faucet plate.



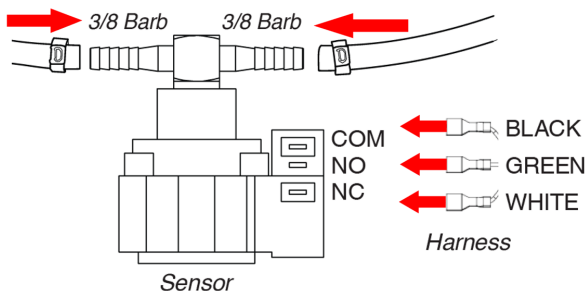
13. Run the three (3) terminals of the 52-4453 harness from the top of and behind the faucet plate towards the left side of the unit. Route the 52-4453 harness to the bottom of the unit via a PVC pipe that already has wires dropped down inside it. The pipe is located mid unit on the left side behind the removed splash plate. Route the 52-4453 harness down the tube.



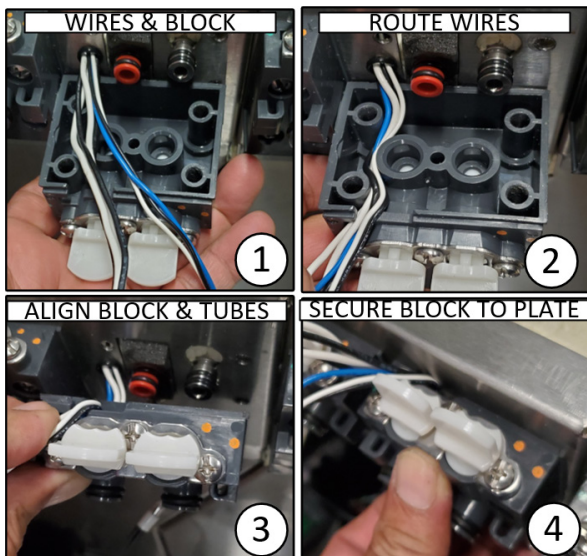
14. Connect the white, 3-pin connector from the 52-4453 harness to the 3-pin connector of the 52-4560 harness.



15. Mount the pressure switch (PN 12-0115). Cut the syringe tubing to the associated valve so that both sides can attach to the sold-out sensor's T-fitting. Slide the Oetiker clamps over both ends of the cut tubing. Connect the tubing to both ends of the sold-out sensor's T-fitting until snug. Slide the Oetiker clamp over the fitting and crimp down (see illustration in next step).
16. Connect the fast-on terminals of the 52-4453 harness to the pressure switch and connect as follows: Com(BLK), NO(GRN), NC(WHT).

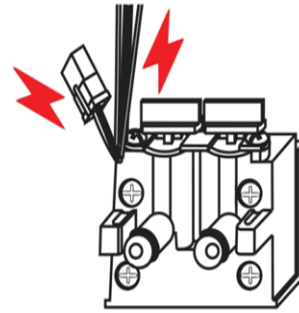


17. Reinstall the mounting block with four (4) screws accordingly without pinching the existing and the newly installed wires. There is a channel on the back of the mounting block for the wires to follow to the top of the mounting block. On grey mounting blocks, the wire comes out on the left side, and on black mounting blocks, the wire comes out on the right side.

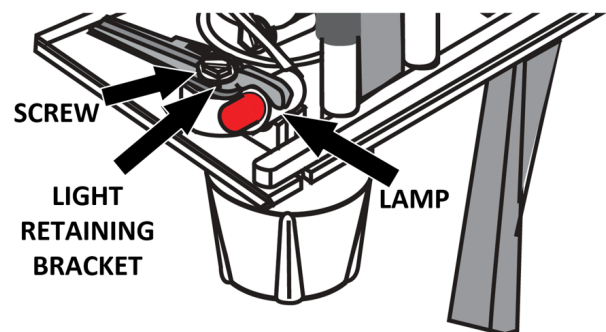


⚠ NOTE

Make sure wires are NOT pinched when screwing down the mounting block.

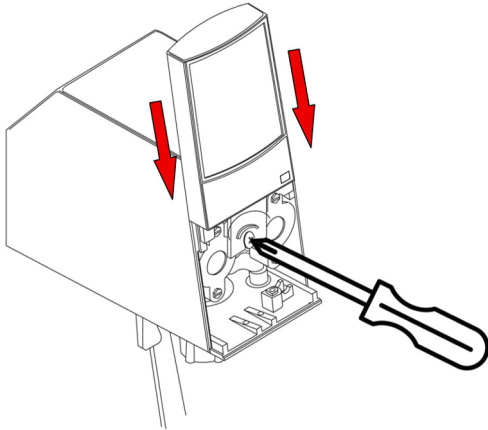


18. Connect the 52-4560 harness by plugging it in between the 24V input and output power of the valve. Route the LED lamp to the bottom of valve. The sensor should already be passed through and mounted behind the faucet plate.
19. Reattach all removed valves to their respective mounting blocks and reinsert the retaining clips. Turn the white stems on the mounting blocks to the open position to turn on the water and syrup to the valves.
20. Run the LED lamp through the clearance behind the valve-cover mounting screw, and set it in the bottom-plate cradle.
21. Place the holder (PN 05-0490) in position over the LED lamp and tighten the provided screw (PN 04-0470) on the holder.



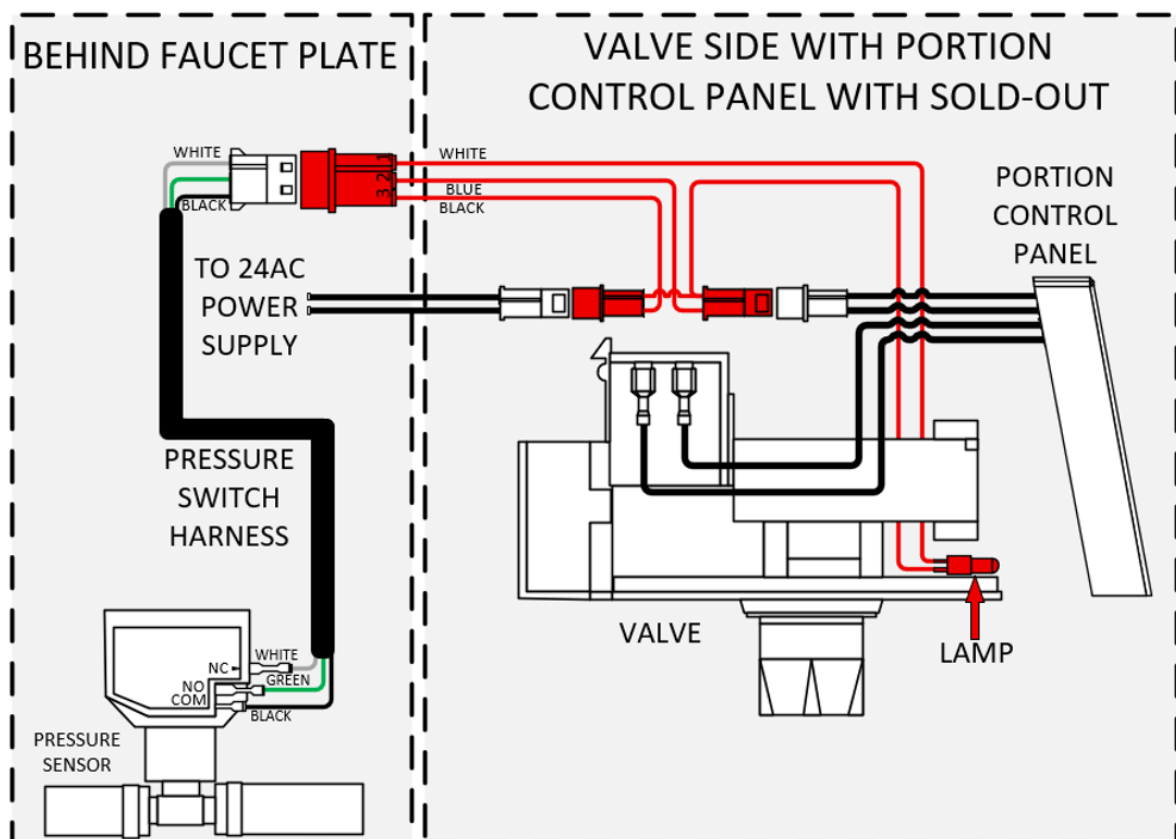
22. Make sure the 24V output connector (wht-blk) from the mounting block is plugged into the input connector (wht-blk) of the 52-4560 harness. The opposite end of the new harness connector (wht-blu) should be plugged into the (wht-blk) connector coming from the valve.

23. Reconnect the syrup and soda sources.
24. Pressurize the system and check for leaks.
25. Replace all removed valve covers, tighten the screws, and attach and slide down the portion control ID panels.



26. Turn the key switch on or connect power to the unit.
27. Actuate the valves to ensure proper operation.
28. If splash guards, splash plate, and cup rest were removed, reinstall.
29. Put the top cover back on and reinstall using the removed screws to secure in place.

WIRING SCHEMATIC OF THE PORTION CONTROL - SOLD-OUT VALVE CONNECTIONS





Warranty Phone: +1-800-729-1550
Warranty Email: warranty@lancerworldwide.com
Tech Ops Email: technicalops@lancercorp.com
www.lancerworldwide.com