

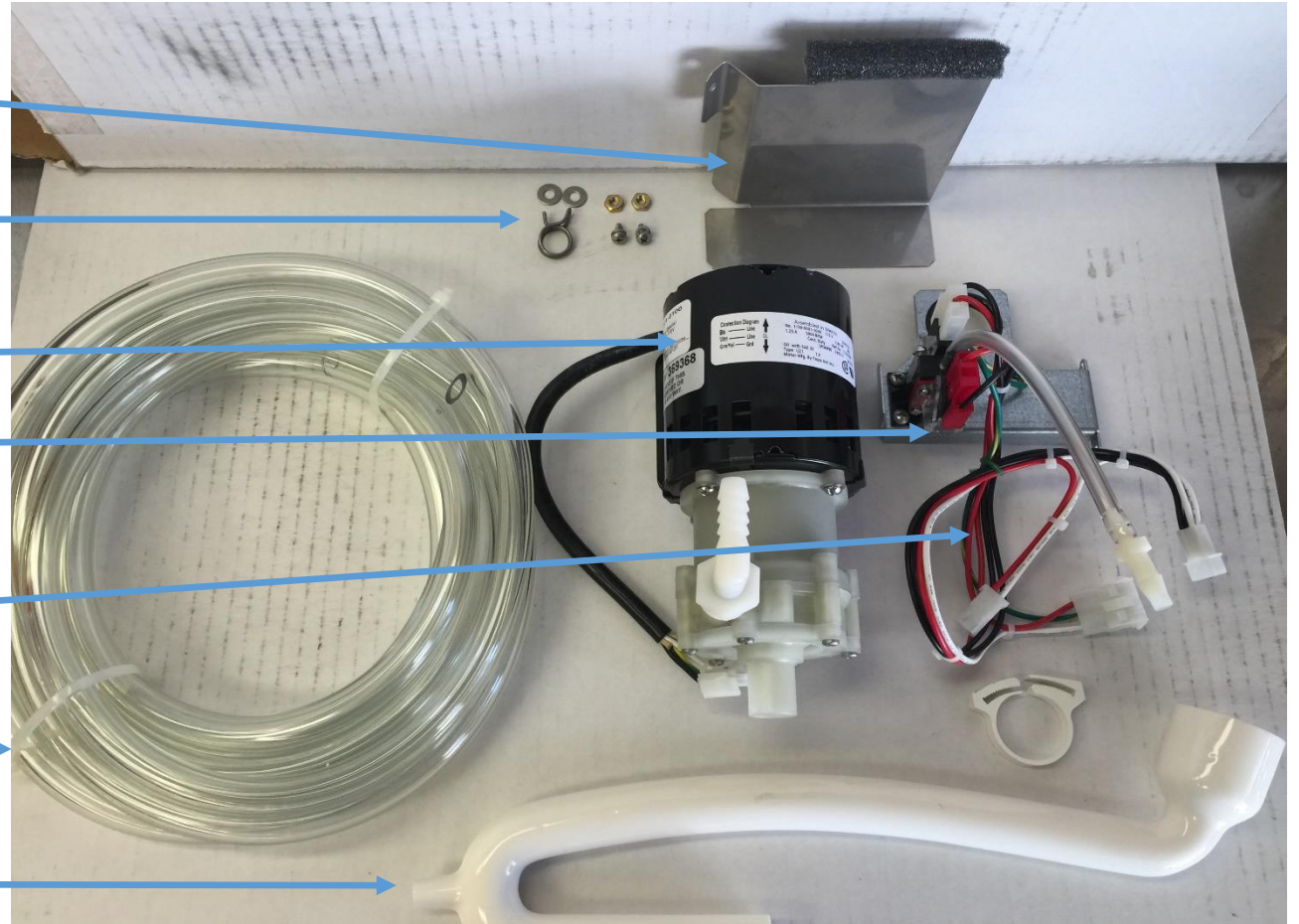
# Installation Instructions



KPU090 Drain Pump – GEMU090 Nugget  
Ice Machine

# Kit Contents

- Stainless steel shield.
- Misc. hardware: hose clamps, mounting screws and washers.
- Pump and Motor with Check Valve.
- Switch mounting bracket assembled to switch assembly.
- Wire Harness
- Drain hose Pressure side (Clear)
- Drain Hose w/ clamp (White preformed)



## NUGGET / PEARL ICE MACHINE INSTRUCTIONS:

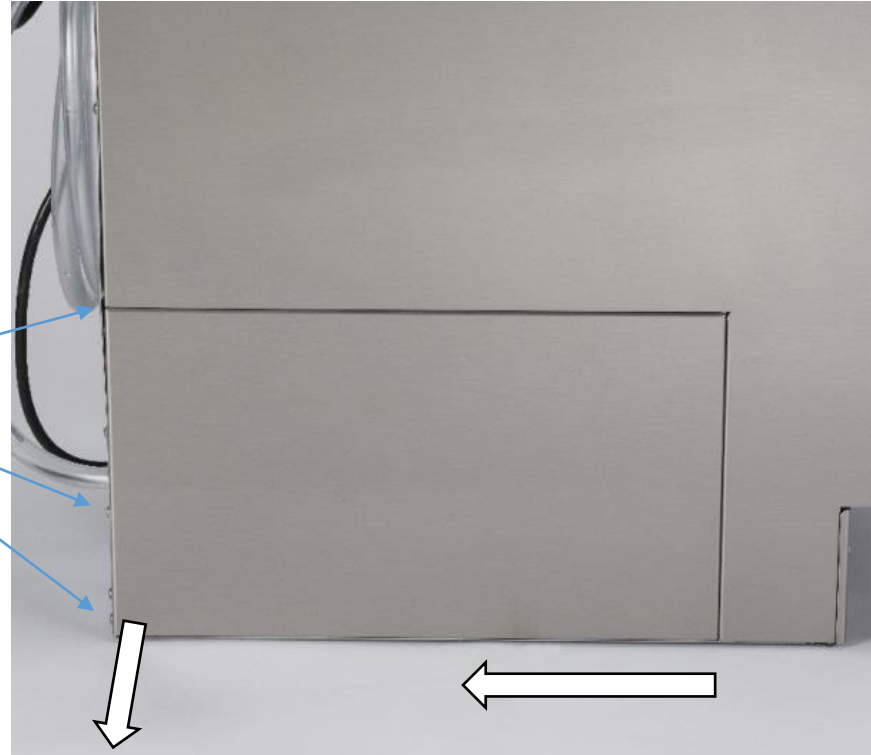
Installation requires attachment of the switch mounting bracket to the base; attachment of the pump to the base; and connection of wire harnesses and tubing.

1. Remove any ice from bin.
2. Shut water supply OFF and remove drain plug from bottom shelf. Drain all water and return plug to its original position.
3. Pull unit out to access side panel.
4. Unplug unit from electric power.



## 5. Remove side access panel

Remove screws from  
back of unit



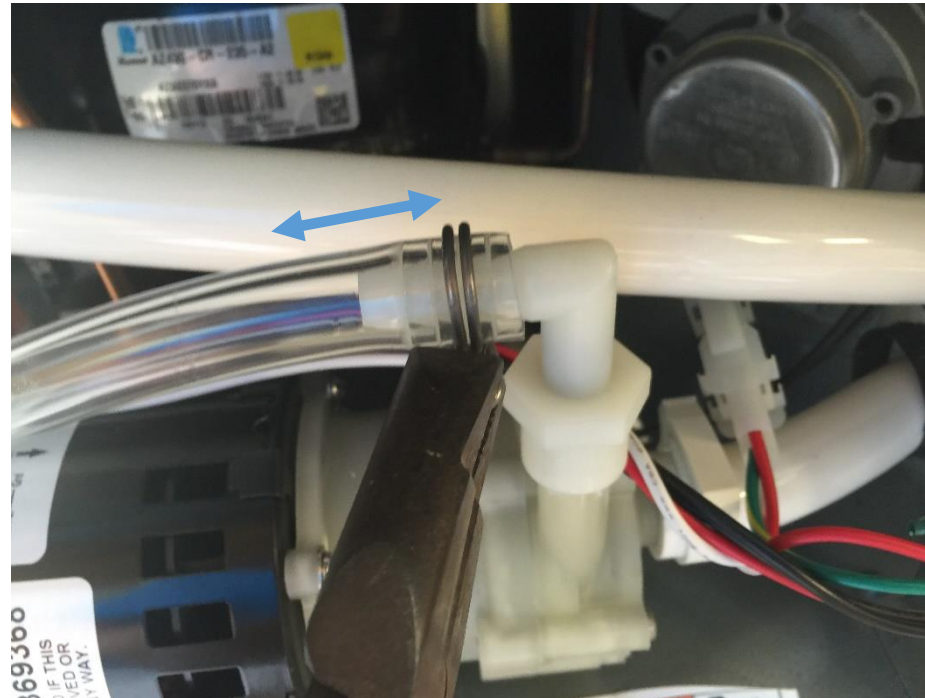
1. Pull side panel  
outward

2. Pull side panel backward  
to remove

6. Remove existing drain hose  
Release clamp and pull drain  
hose downward



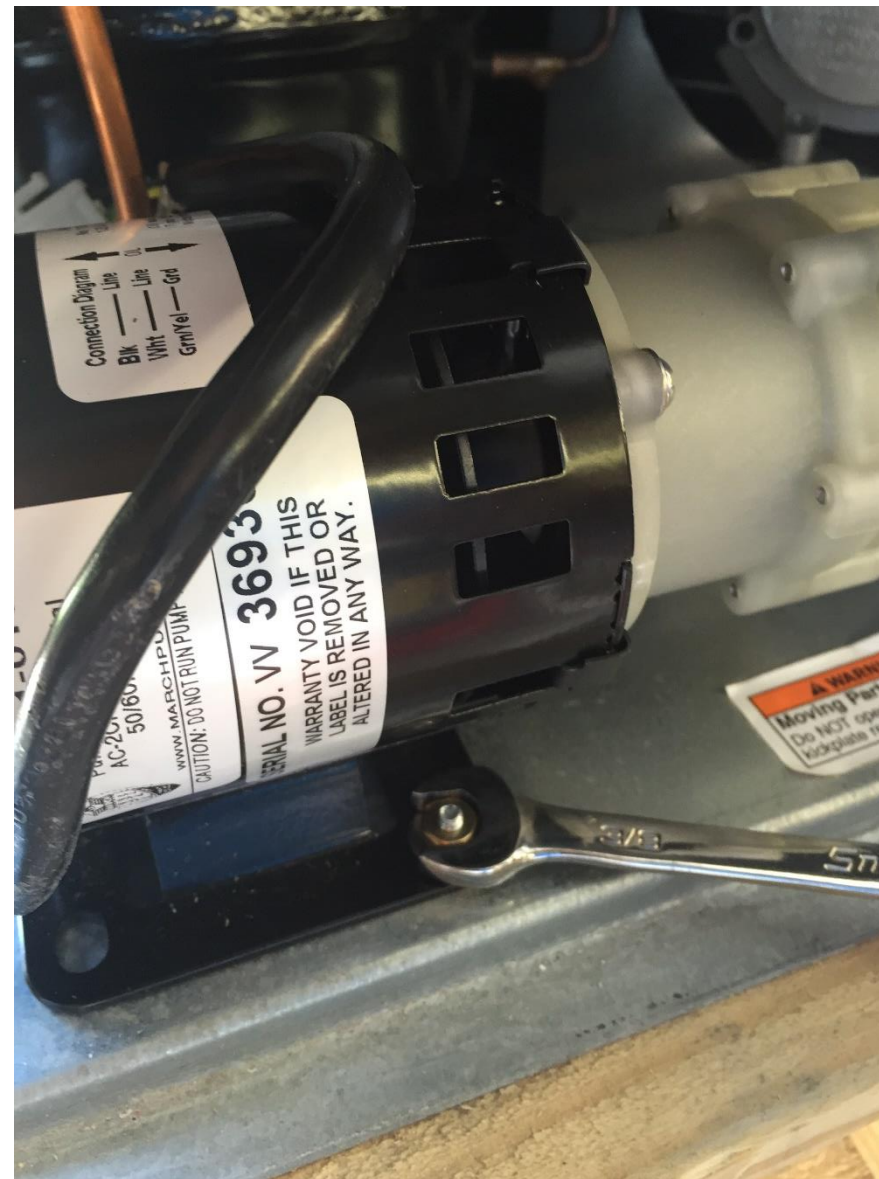
7. Uncoil the 10-foot long discharge  
drain tubing (Clear)  
Install metal clamp over the end of  
the tubing approx. 3" (pliers needed  
to hold clamp open while sliding  
over tubing)  
Push that end completely onto  
barbed discharge elbow of the  
pump. Hold clamp open again with  
pliers and slide back over the hose  
and barbed elbow to securely  
fasten hose.



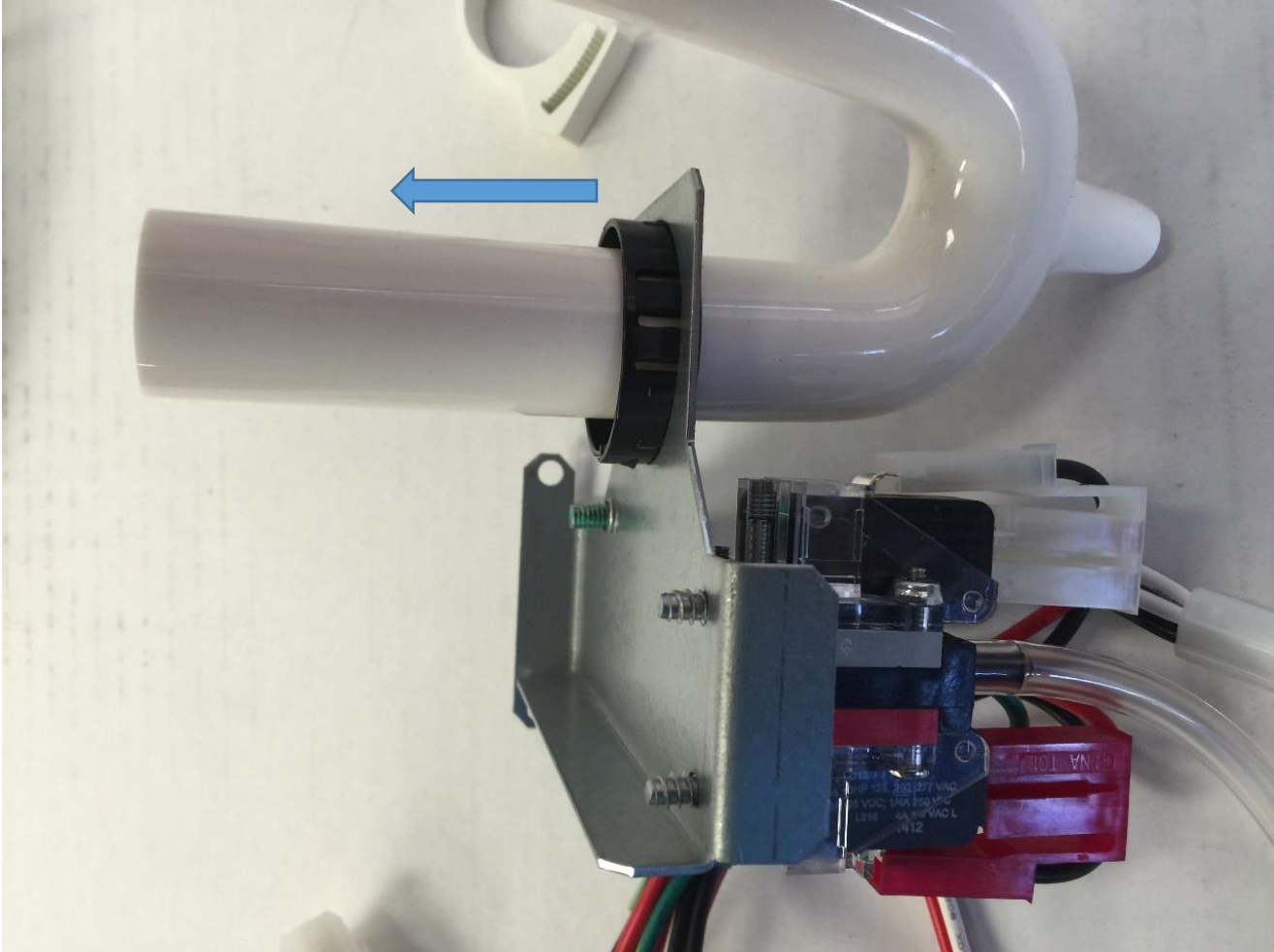
Route the other end  
through the water tube  
routing panel to a  
convenient drain location



8. Place the pump over the bolts located in the base and secure with the two nuts, washer, and lock-washers provided in the kit.

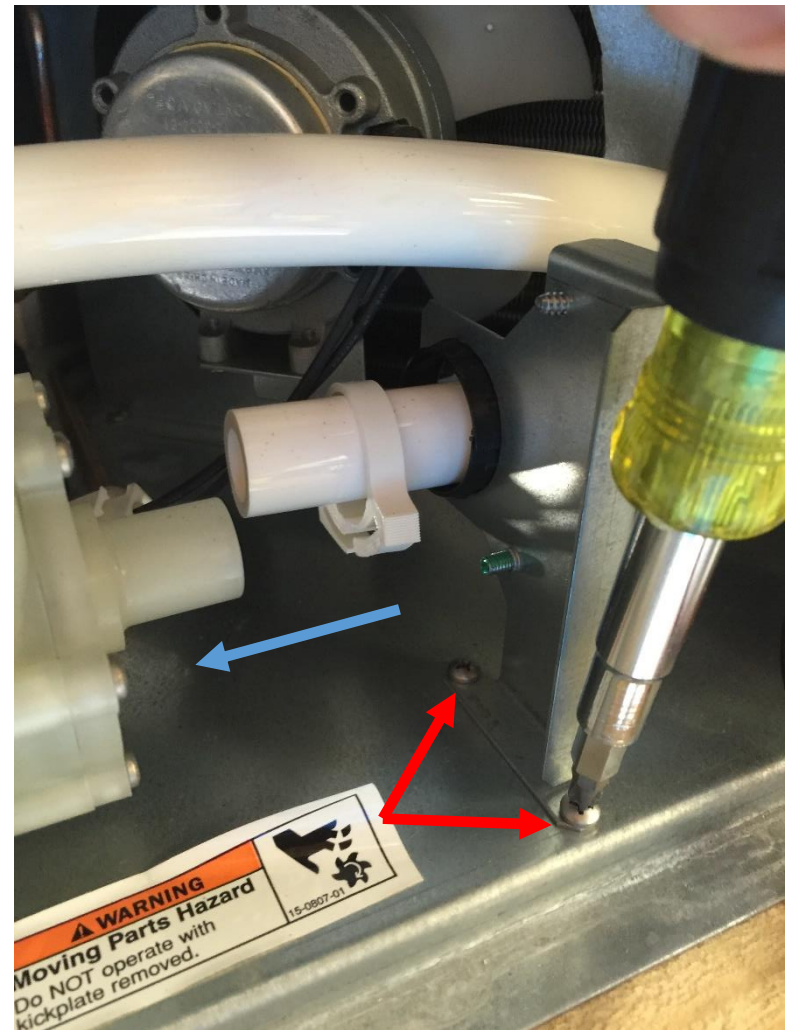
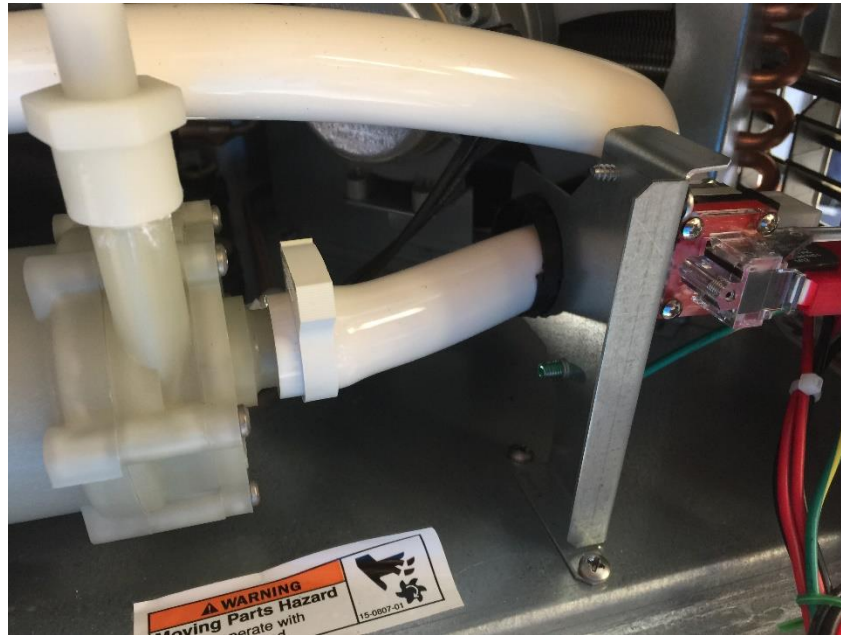


9. Route the straight portion of the drain tube through the hole in the switch bracket



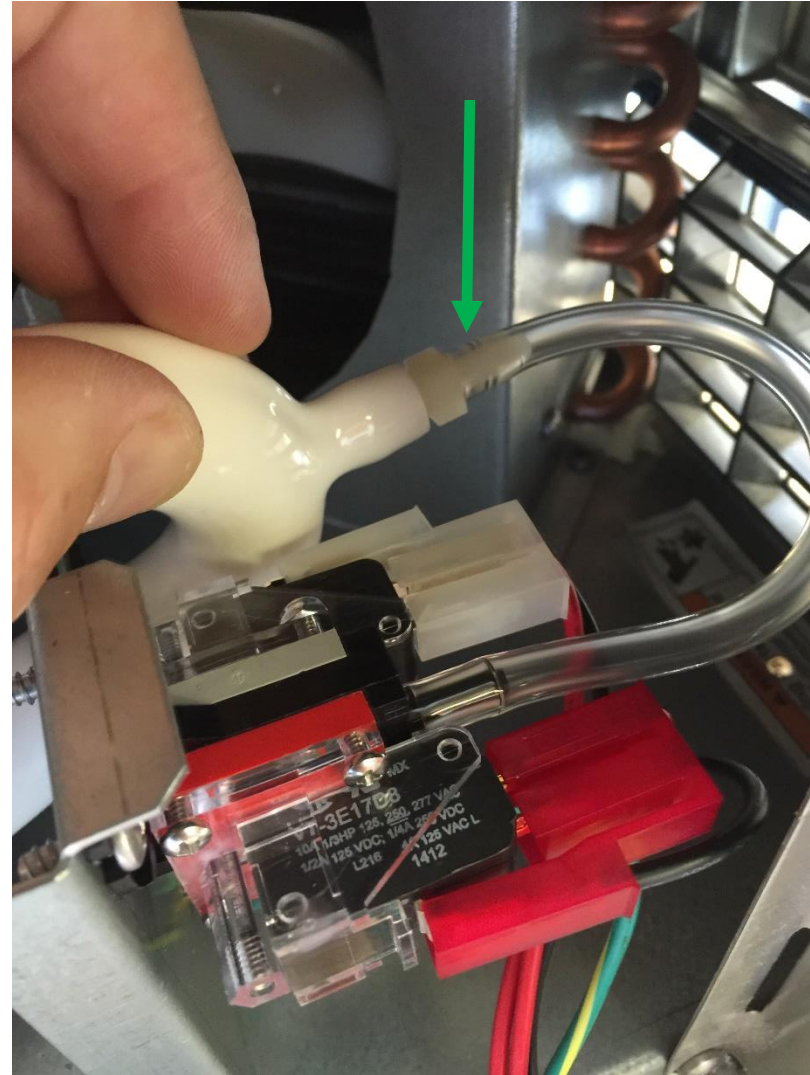
10. Connect the drain tube to pump inlet, secure with hose clamp.

11. Mount the switch assembly bracket to the base, using two provided sheet metal screws.

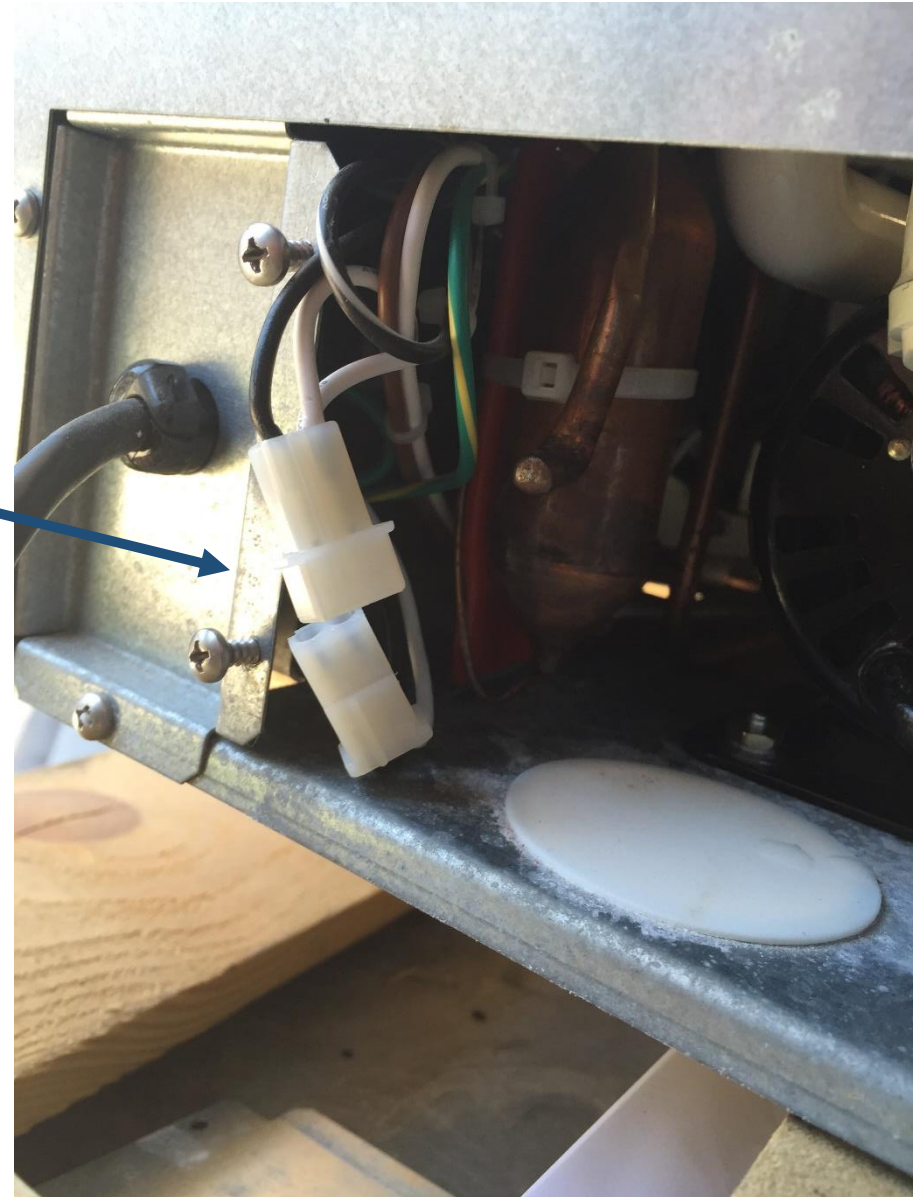




12. Connect pressure switch hose to drain hose.

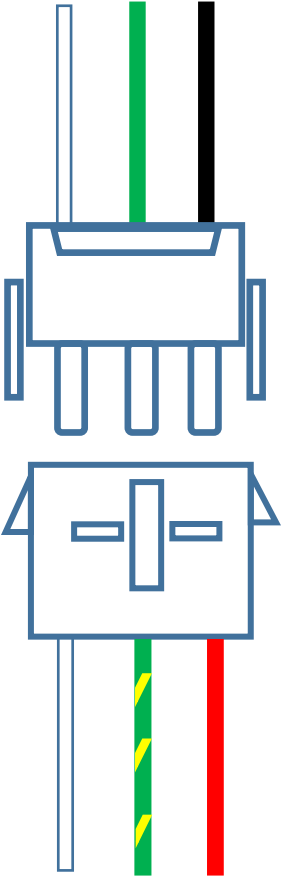
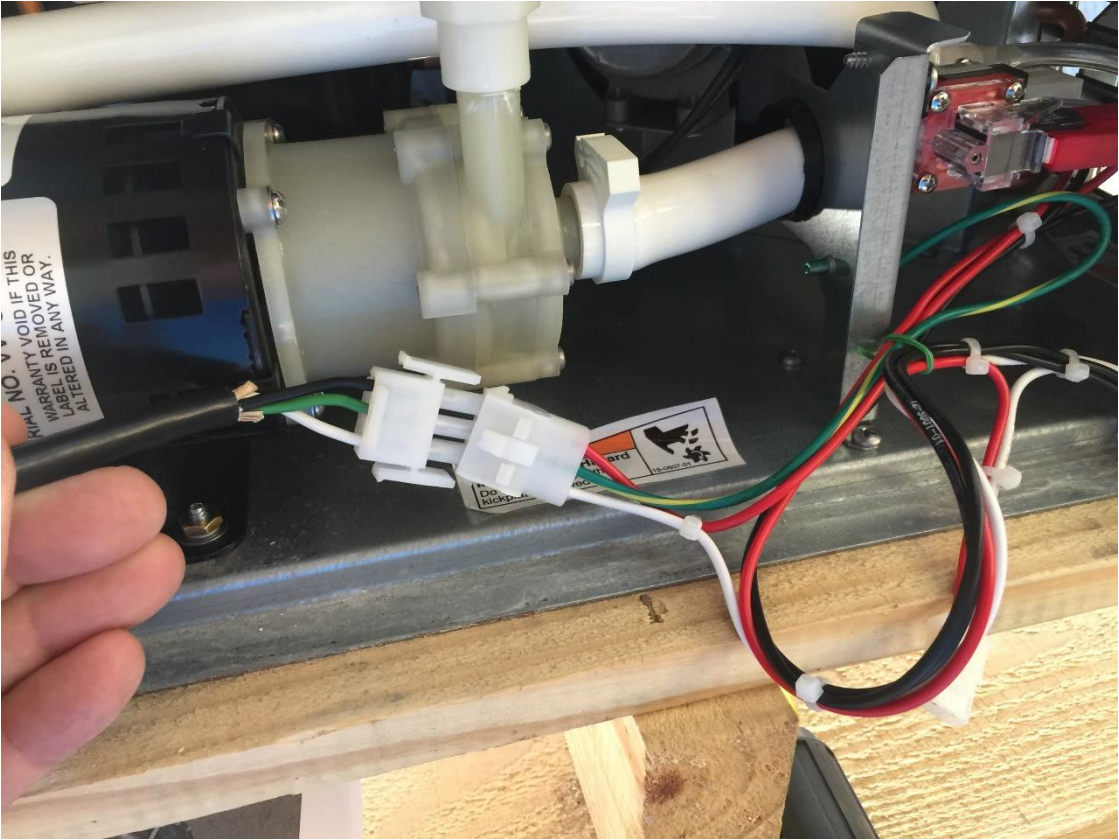


13. Trace the power cord to first connector (it's near the compressor accessible from the back of the unit) cut the tie-wrap holding the two connectors together and separate.



14. Connect the wires as follows:

A: Connect pump motor harness to switch harness (three prong)

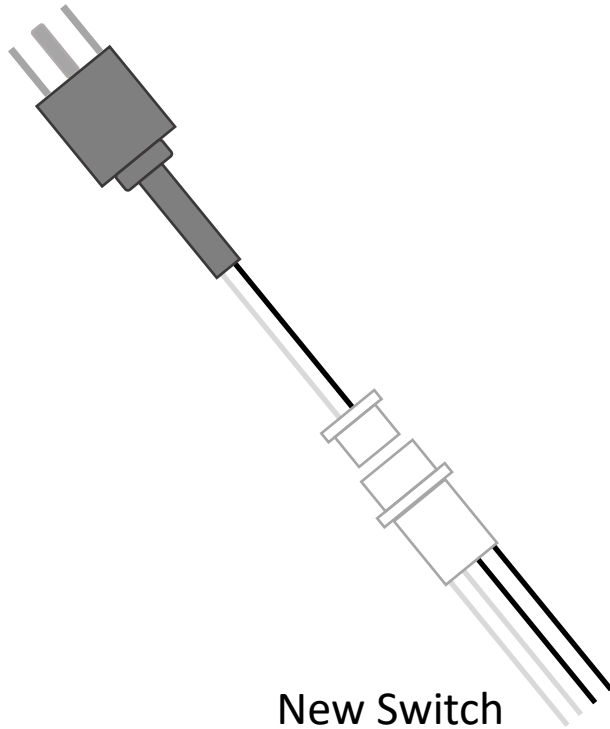


Motor Assembly

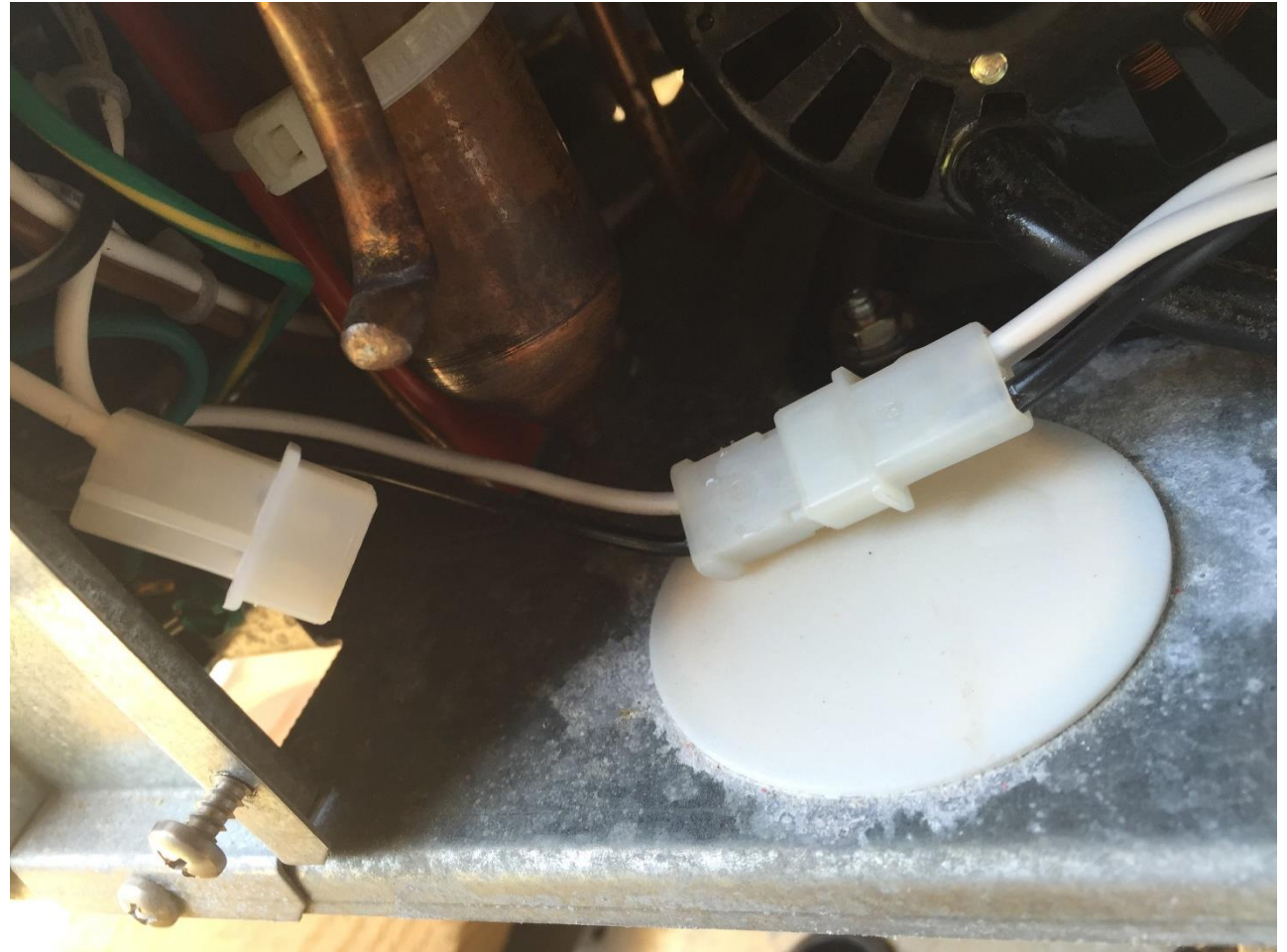
New Switch Assembly



B: Connect switch harness (black & white wires) to power cord connector half from step 13

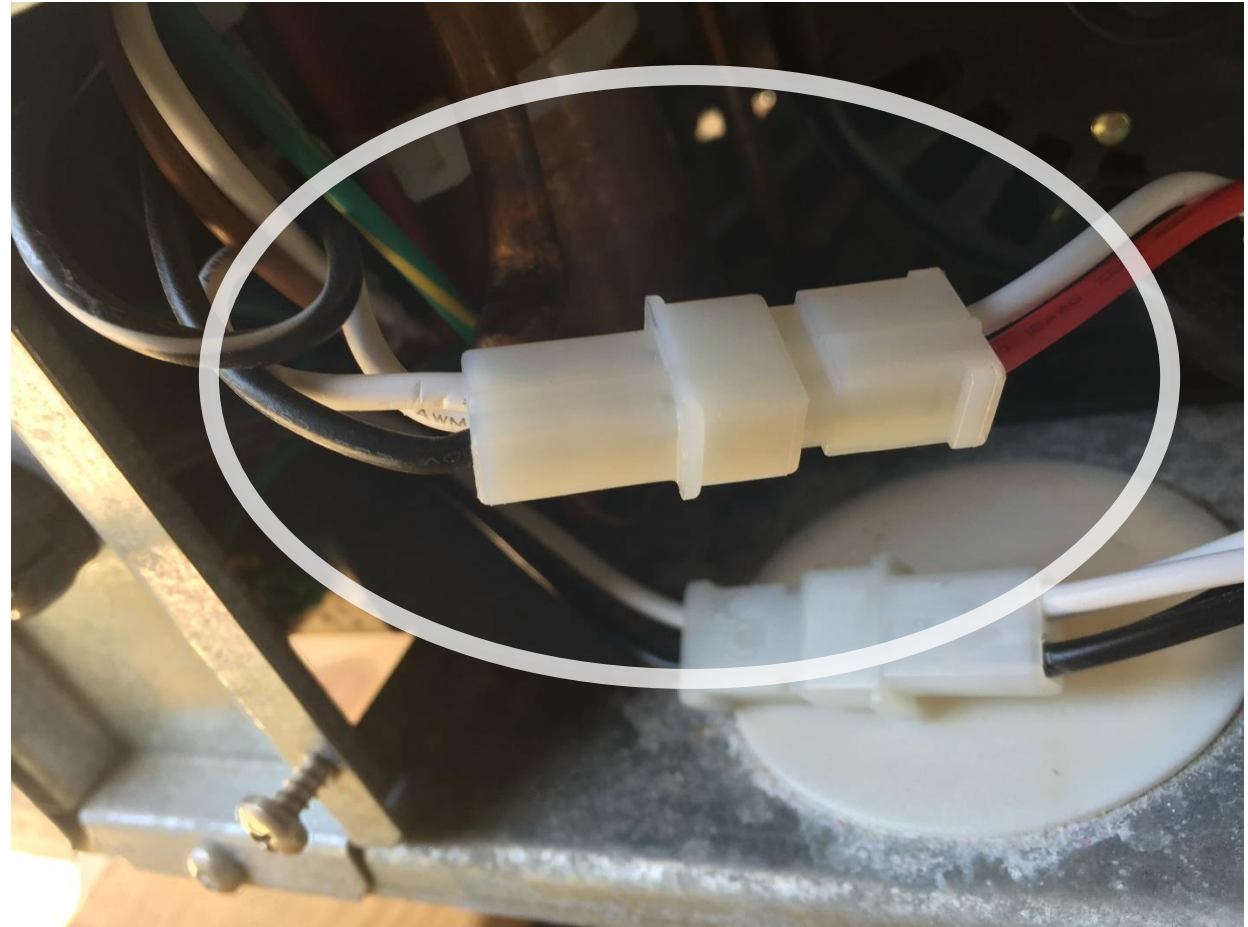
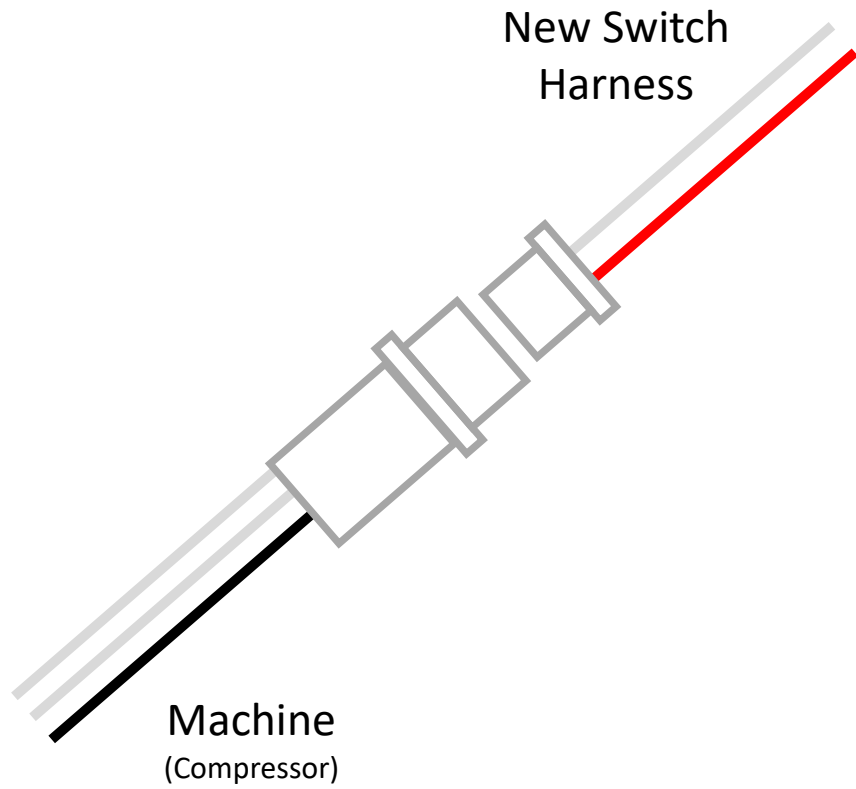


New Switch  
Harness





C: Connect switch harness (red & white wires) to machine connector half from step 13



15. Connect drain tube to bin drain, secure with large hose clamp

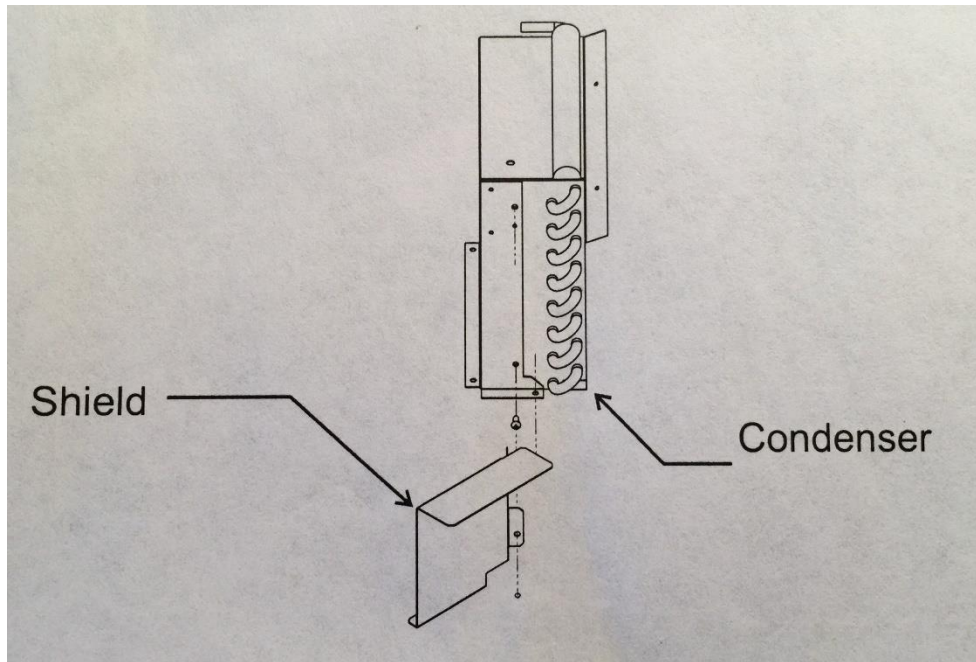
16. Restore power to the unit and with the switch still OFF, pour several quarts of water into the bin. The drain pump should turn on and pump the water out of the bin, perhaps cycling on and off several times during the process. Pump cycling is normal since the pump-out rate of the drain pump is greater than the rate of drain through the bin.

17. While the pump is discharging water, **THOROUGHLY CHECK THE ENTIRE DRAIN SYSTEM FOR LEAKS.**



18. Attach stainless steel shield to side of condenser shroud using provided screws.

- Remove front louvered panel for easy access to condenser.
- Install stainless steel shield with foam insulation to the bottom.
- Fasten two screws.
- Reinstall front louvered panel.



19. Re-install all baffles, panels and covers.



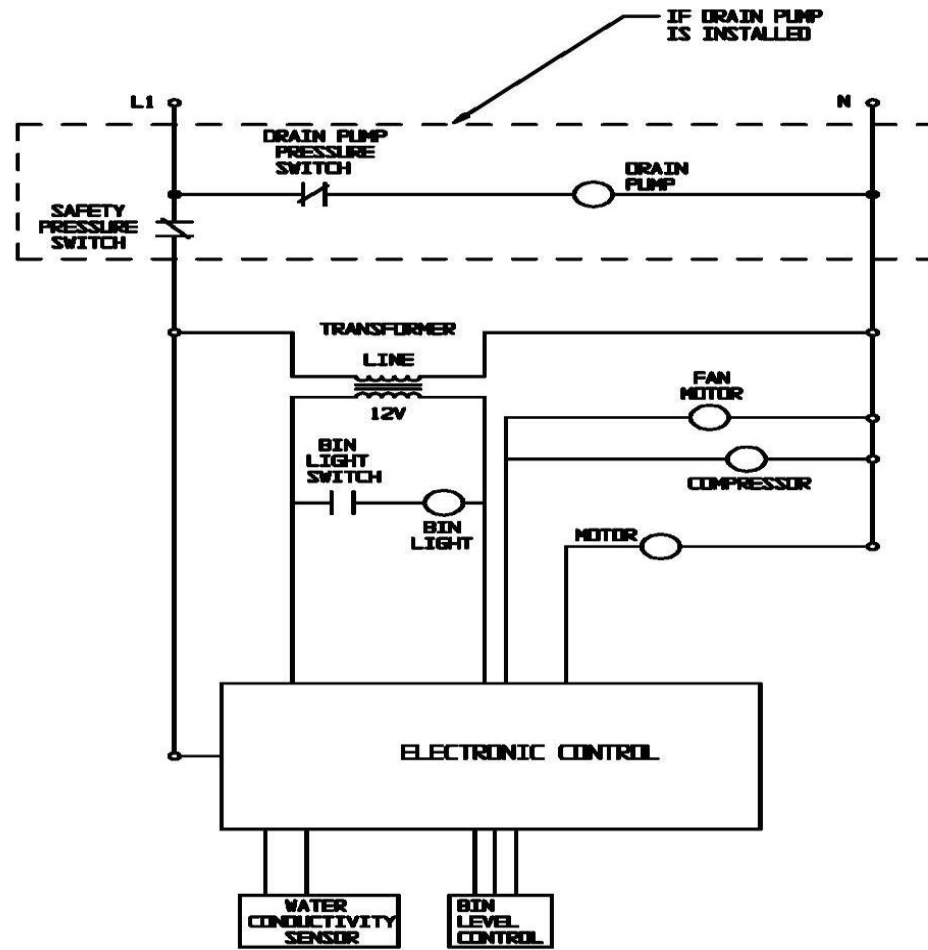


20. Install or re-install unit into built-in or free-standing location. ENSURE THAT NO KINKS OCCUR IN WATER INLET OR DRAIN TUBING. **Double check for leaks!!**

21. Restore potable water supply and restart the unit. Check unit to ensure proper operation and to allow a final check for leaks of any kind.



Schematic Diagram



SWITCHES ON THIS UNIT  
SHOWN IN FREEZE CYCLE  
WITH DRAIN PUMP IN OPERATION  
AND BIN DOOR CLOSED

# Wiring Diagram

