


ED2XX Low Voltage Ice Dispense Switch Installation

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

Safety Overview

- Read and follow **ALL SAFETY INSTRUCTIONS** in this manual and any warning/caution labels on the unit (decals, labels or laminated cards).
- Read and understand ALL applicable **OSHA** (Occupational Safety and Health Administration) safety regulations and/or national and local codes before operating this unit.

Recognition

	<p style="text-align: center;"><i>Recognize Safety Alerts</i></p> <p><i>This is the safety alert symbol. When you see it in this manual or on the unit, be alert to the potential of personal injury or damage to the unit.</i></p>
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Different Types of Alerts

DANGER:

Indicates an immediate hazardous situation which, if not avoided, **WILL** result in serious injury, death or equipment damage.

WARNING:

Indicates a potentially hazardous situation which, if not avoided, **COULD** result in serious injury, death, or equipment damage.

CAUTION:

Indicates a potentially hazardous situation which, if not avoided, **MAY** result in minor or moderate injury or equipment damage.

QUALIFIED SERVICE PERSONNEL

WARNING:

Only trained and certified electrical, plumbing and refrigeration technicians should service this unit. **ALL WIRING AND PLUMBING MUST CONFORM TO NATIONAL AND LOCAL CODES. FAILURE TO COMPLY COULD RESULT IN SERIOUS INJURY, DEATH OR EQUIPMENT DAMAGE.**

IF THE SUPPLY CORD IS DAMAGED, IT MUST BE REPLACED BY THE MANUFACTURER, ITS SERVICE AGENT OR SIMILARLY QUALIFIED PERSONS IN ORDER TO AVOID A HAZARD.

SAFETY PRECAUTIONS

This unit has been specifically designed to provide protection against personal injury. To ensure continued protection, observe the following:

WARNING:

Disconnect power to the unit before servicing following all lock out/tag out procedures established by the user. Verify all of the power is off to the unit before any work is performed.

Failure to disconnect the power could result in serious injury, death or equipment damage.

CAUTION:

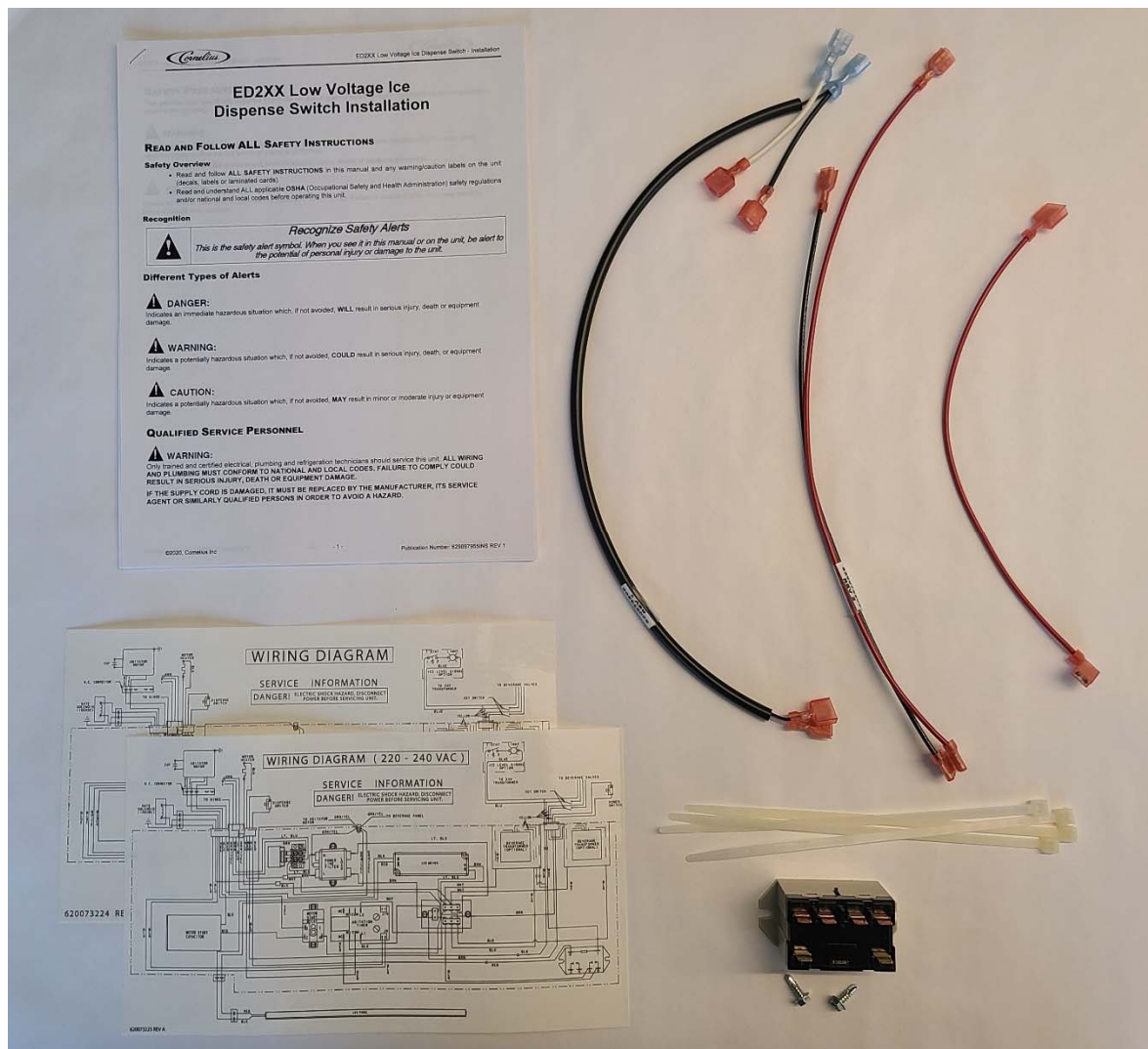
Always be sure to keep area around the unit clean and free of clutter. Failure to keep this area clean may result in injury or equipment damage.

Tools Required


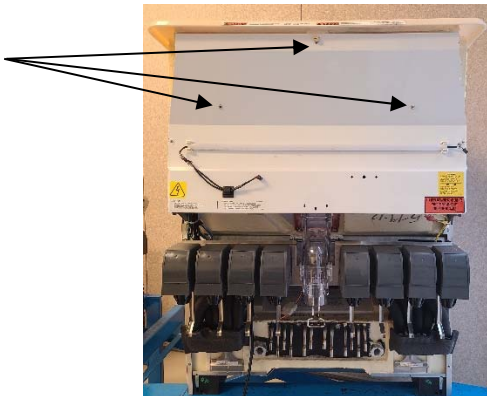
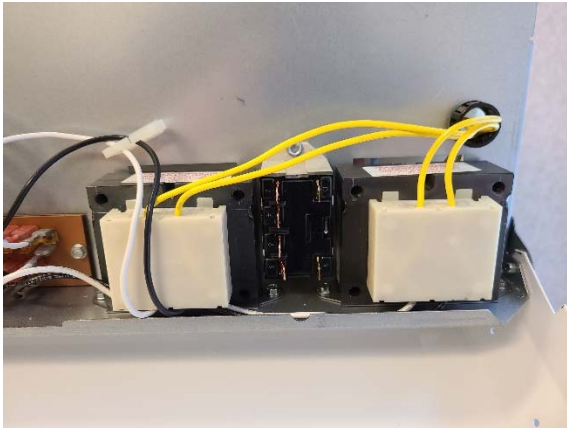
- Phillips and Flathead Screwdrivers
- Needle Nose Pliers
- 1/4" Hex Driver
- Wire Cutting Plier

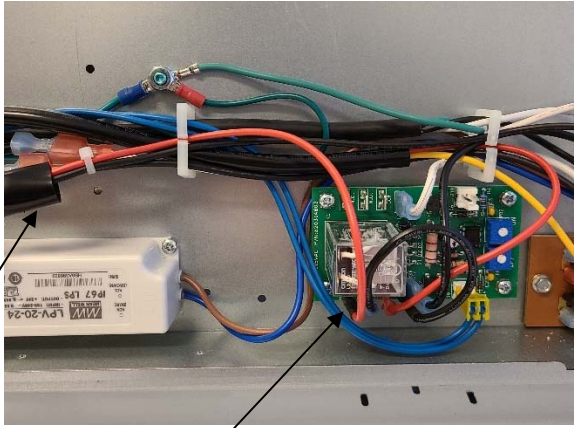

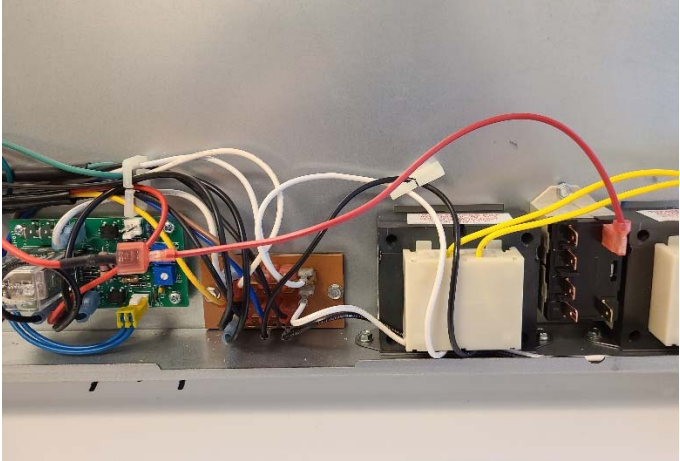
Required Parts

Quantity	Part Number	Description
4	50822	Wire Ties
2	70217	#8 X 1/2" Hex Head SM screw
1	60569001	24VAC DPST NO Relay
1	620073205	Harness 24V power tap
1	620073206	Harness Relay to Barrier Strip
1	620073224	Wiring Diagram 120V
1	620073225	Wiring Diagram 220-240V
1	620073237	Harness Ice Gate Switch Extension
1	629097955INS	Installation Manual



Installation

Step	Action	
1.	Disconnect power to the unit	 <p>Figure 1.</p>
2.	Remove Merchandiser. Remove 2 Phillips head screws and thumb screw to open ebox cover.	 <p>Figure 2.</p>
3.	<p>Using both 70217 screws, mount 60569001 relay in the pre-drilled holes between the two transformers.</p> <p>Tip: Install the bottom screw part way, then slide the relay down over it before fully tightening.</p>	 <p>Figure 3.</p>

<p>5.</p>	<p>Identify the 2 wire harness (red/black) coming from the ice dispense switch into the ebox through the bushing on the left hand side. Remove the red wire harness from the agitation timer board.</p> <p>Tip: Note location on agitation board for later use.</p>	 <p>Figure 5.</p>
<p>6.</p>	<p>Mate the male terminal of the new red jumper 620073237 to the red wire of the ice gate switch harness.</p>	 <p>Figure 6.</p>
<p>7.</p>	<p>Mate the female flag terminal of the new red jumper 620073237 to position 0 on the relay.</p> <p>Tip: If the harness does not reach, remove the wire tie around all the wiring coming through the beverage panel to gain slack.</p>	 <p>Figure 7.</p>

8. Rotate the ebox forward. Route the two connector end of the provided 620073205 harness through the backside of the bushing on the right hand side of the ebox.

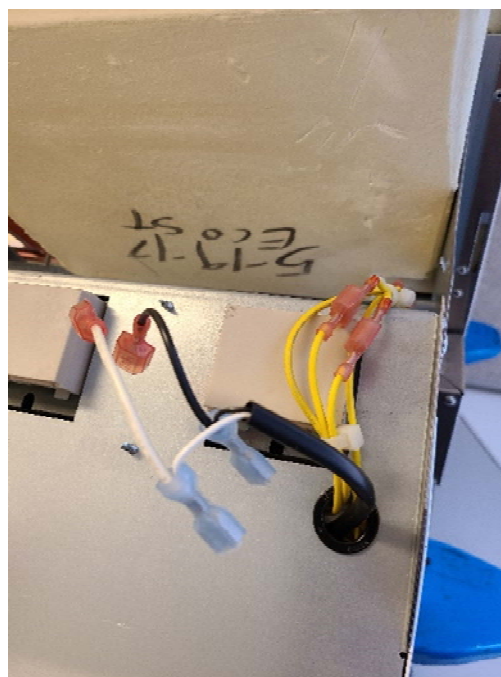


Figure 8.

9. Trace the two yellow wires coming from the inner left transformer through the bushing on the right side of the box to where they connect to the valve power harness on the back side of the ebox.

Disconnect one of the two connections between the transformer and valve power harness and splice in the black wire terminals.

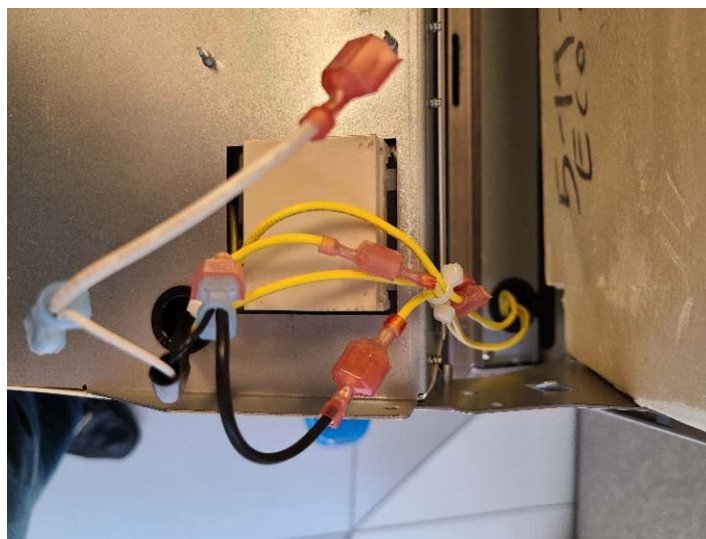


Figure 9.

10. Disconnect the other connection between the transformer and valve power harness. Splice in the white wire of harness provided 620073205 (Polarity doesn't matter)

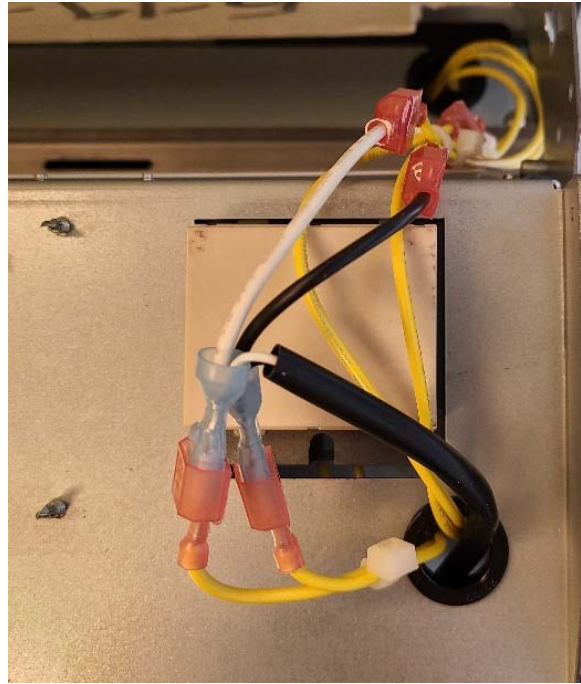


Figure 10.

11. Rotate the ebox back upwards and connect the white wire of harness 620073205 to Position 1 on the relay.

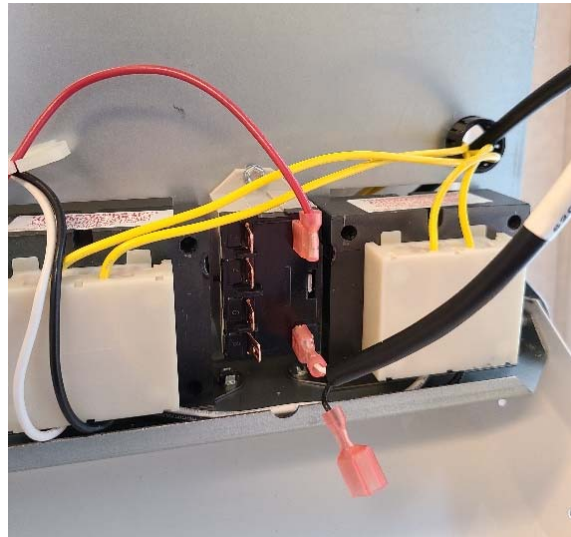
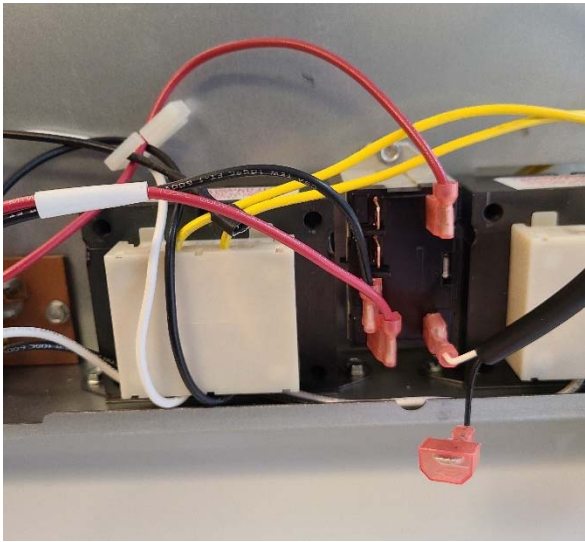
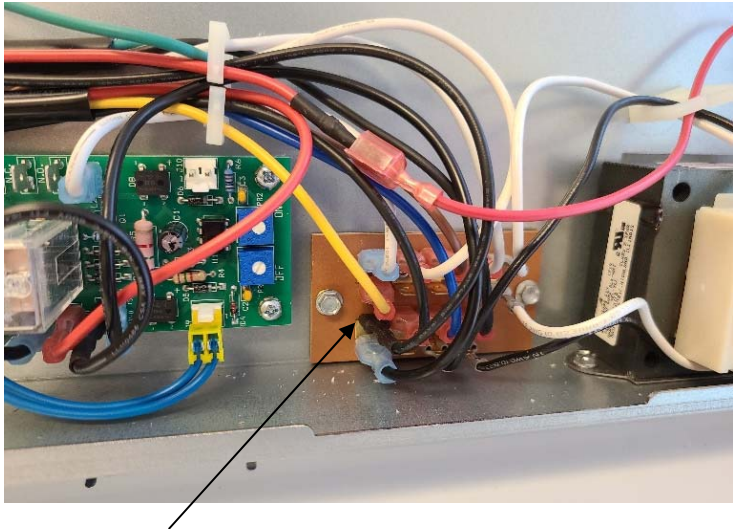
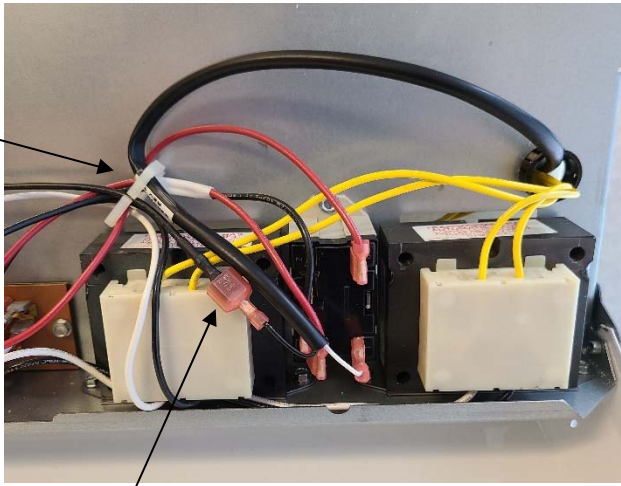
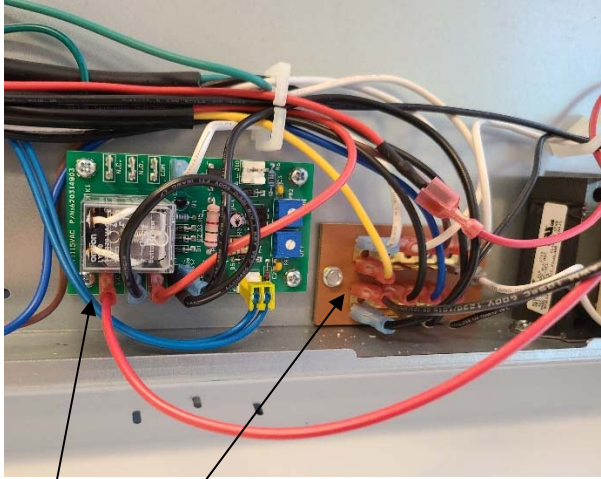
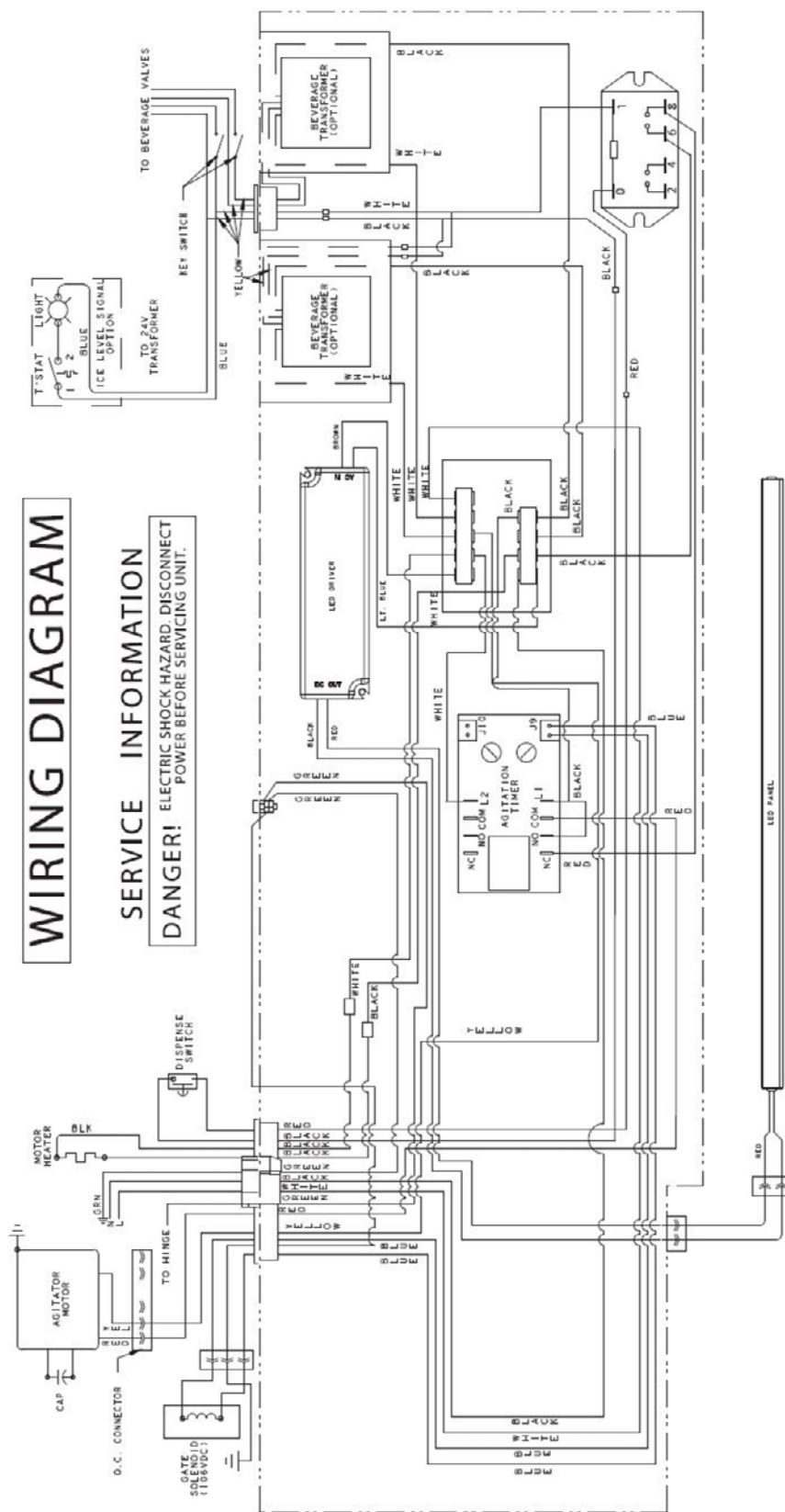


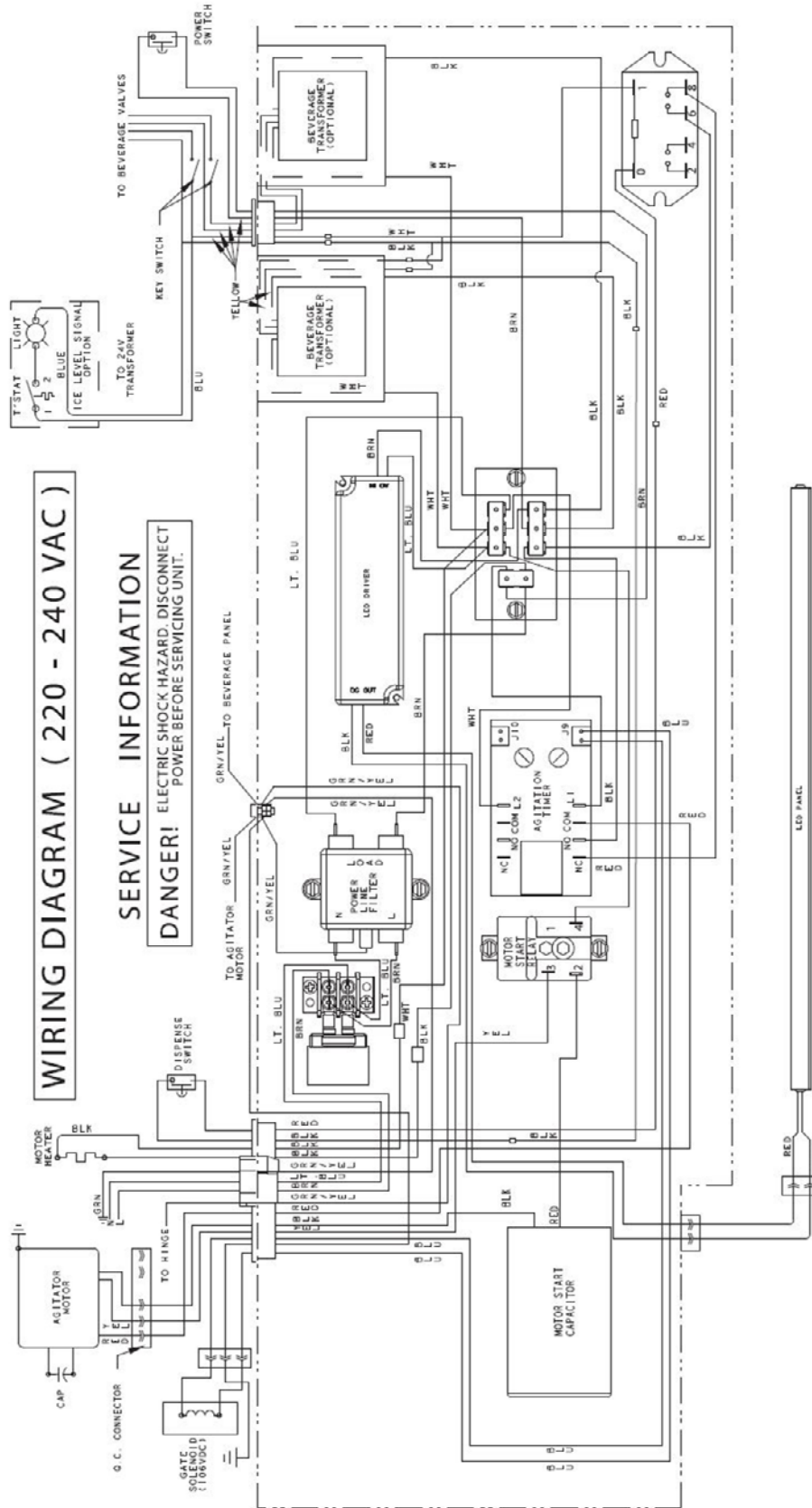
Figure 11.

12.	<p>Take provided 620073206 harness and plug the 90 degree flag terminals into the relay (red to position 8 and black to position 6).</p> <p>Tip: Relay terminals may have to be bent to install both flags. Do not excessively bend one relay terminal, bend both in opposite directions.</p>	
13.	<p>Remove the black wire of the ice gate switch harness from the terminal board.</p> <p>Tip: Note location on barrier board for later use.</p>	

<p>14.</p>	<p>Plug the male end of the black wire from harness 620073205 into the female end of the ice dispense switch harness.</p> <p>Utilize provided wire ties and wire retainers in the ebox to manage harnesses. No wires should touch the metal body of the transformers.</p>	 <p>Figure 14.</p>
<p>15.</p>	<p>Install the male terminal of the black wire from the 620073206 harness and plug it into the terminal board where the black wire from the ice gate switch was previously removed in Step 13.</p> <p>Install the female terminal of the red wire from the 620073206 harness and into the agitation timer board where the red wire from the ice gate switch was previously removed in Step 5.</p>	 <p>Figure 15.</p>
<p>16.</p>	<p>Close ebox door. Reinstall thumb screw and 2 additional Phillips head screws.</p>	
<p>17.</p>	<p>Place new wiring diagram applicable to unit voltage over existing wiring diagram on ebox cover.</p>	
<p>18.</p>	<p>Re-install merchandiser</p>	
<p>19.</p>	<p>Plug unit back in. When the unit agitates automatically upon power up a relay click should not be audible.</p>	
<p>20.</p>	<p>Manually activate the ice gate switch and the relay click should be audible.</p>	



Wiring Diagram 120V 60Hz



Wiring Diagram 220-240V 50/60 Hz