

# SPIRE 5.0 RGBW LIGHTING UPDATE INSTRUCTIONS

## Installation Instructions for Spire 5.0 RGBW Lighting Update

### 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 before operating this unit.

### SAFETY ALERT SYMBOL



*This is the safety alert symbol. When you see this in the manual or on the unit, be alert to the potential of personal injury or damage to the unit.*

### Types of Alerts

 <b>DANGER:</b>	Indicates an immediate hazardous situation which if not avoided <b>WILL</b> result in serious injury, death or equipment damage.
 <b>WARNING:</b>	Indicates a potentially hazardous situation which, if not avoided, <b>COULD</b> result in serious injury, death, or equipment damage.
 <b>CAUTION:</b>	Indicates a potentially hazardous situation which, if not avoided, <b>MAY</b> result in minor or moderate injury or equipment damage.

### SAFETY TIPS

- Carefully read and follow all safety messages in this manual and safety signs on the unit.
- Keep safety signs in good condition and replace missing or damaged items.
- Learn how to operate the unit and how to use the controls.
- Do not let anyone operate the unit without proper training. This appliance is not intended for use by very young children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with the appliance.
- Keep your unit in proper working condition and do not allow unauthorized modifications to the unit.

## SAFETY INSTRUCTIONS

### WARNING:

Before starting installation, read and understand all safety label and warnings on the machine. Also review and understand all safety instructions in the owners, installation and service manuals.

**Failure to comply could result in serious injury, death or damage to the equipment.**

## 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.**

## SAFETY PRECAUTIONS

### WARNING:

Disconnect power to the unit before servicing. Follow all lock out/tag out procedures established by the user. Verify all power is off to the unit before performing any work. **Failure to comply could result in serious injury, death or damage to the equipment.**

### CAUTION:

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

### CAUTION:

Note the following: This unit is not designed for use in outdoor locations. The appliance must be placed in a horizontal position. The appliance is not suitable for installation in an area where a water jet would be used.

## SPIRE 5.0 RGBW LIGHTING UPDATE INSTRUCTIONS

The items in the Spire 5.0 RGBW Lighting Update Instructions Kit Content are as follows:

Items No.	Part Number	Description	QTY
1	620057652-A21	BOARD ASY RGB+W LED COVE LIGHTING	1
2	620057652-A24	BOARD ASY RGB+W LED NOZZLE	1
3	620057652-A26	BOARD ASY LEFT ENCLAVE LIGHTING	1
4	620057652-A28	BOARD ASY RIGHT ENCLAVE LIGHTING	1
5	620059555-106	HARN LED LX3 PCBA MAIN RGB+W	1
6	620061979-101	HARN LED SPLITTER ENCLAVE SPRE 5.0	1
7	620070249	HARN LX3 INPUT JUMPER SPIRE 5.0	1
8	629097794INS	MANL INSTL LIGHTING RGB+W UPGRADE SPIRE 5.0	1
9	50705	TIE CABLE	6

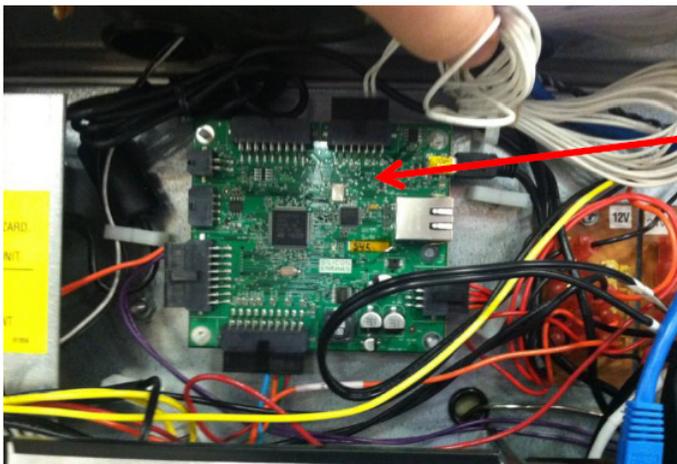
Table 1-Supplied with the Spire 5.0 RGBW Lighting Update Kit

### Tools Required:

- 1/4" and 5/16" nut driver
- Small flat blade Screwdriver
- #2 and #3 Phillips Screwdrivers
- 5/16" open end wrench or equivalent
- Small needle nose pliers or equivalent

### UPDATE INSTRUCTIONS

**NOTE:** It is highly recommended that the unit has the LX3 lighting board installed prior to installing this kit. If the unit has the older DX3 lighting board, please order Cornelius upgrade kit 629097538 (KIT SPIRE 5.0 LX3 CONVERSION)



**DX3 board** (obsolete)  
color may differ from  
version to version.

**LX3 board** (current) color may differ from version to version. This board is half the size of the DX3 board.



Steps	Actions	Figures
1.	Power down unit <u>per the proper shutdown procedure.</u>	
2.	Open door and loosen (4) door service panel screws slightly. (1/4"nutdriver)	
3.	Lift service panel up and out of the panel key slots.	
4.	Remove ebox cover and valve engine cover.	
5.	Unplug all connections to display and lighting as shown.	

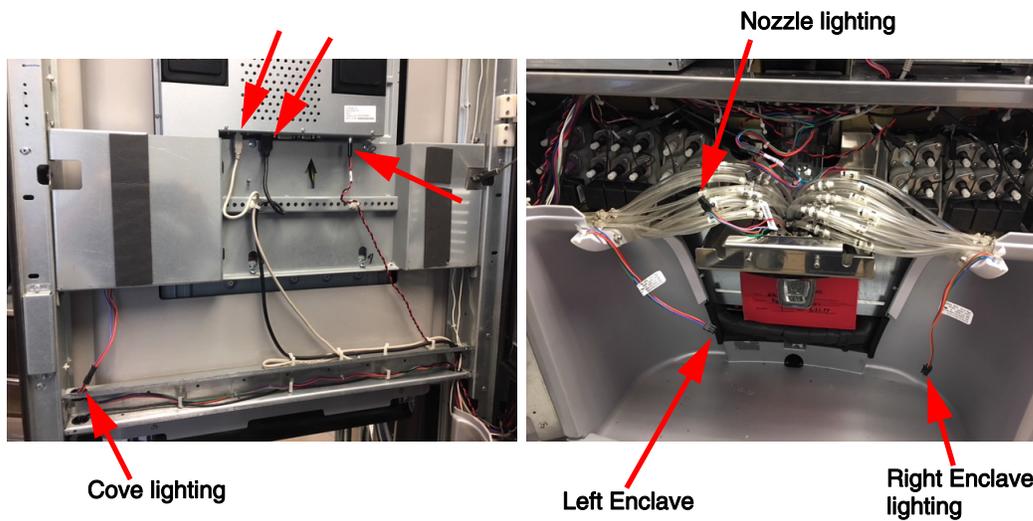
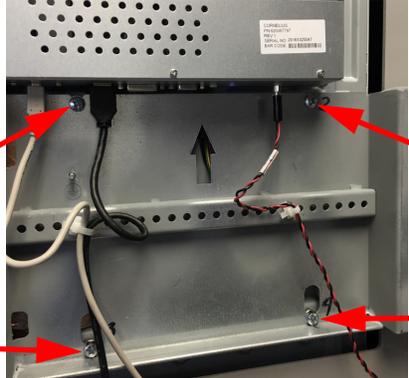


Figure 1

<p>6.</p>	<p>Remove and save the (4) screws as shown. (5/16" nutdriver)</p>	 <p>Figure 2</p>
<p><b>NOTE: It is highly recommended to have a 2nd person help with holding door steady and guiding light harness thru until the display assembly is free and clear of the door.</b></p>		
<p>7.</p>	<p>Loosen (4) display screws. (#3 Philips head screwdriver). Display now ready to be lifted up and out from the door and placed on a flat protected surface glass down for the next steps.</p>	 <p>Figure 3</p>
<p>8.</p>	<p>Remove and save the (8) Lens flathead screws. (#2 Phillips screwdriver)</p>	 <p>Figure 4</p>
<p>9.</p>	<p>Remove and save the (3) cover lenses.</p>	

10. Remove and save the (10) Lighting screws. (#2 Phillips screwdriver). The old RGB Lighting can now be removed and be properly discarded.

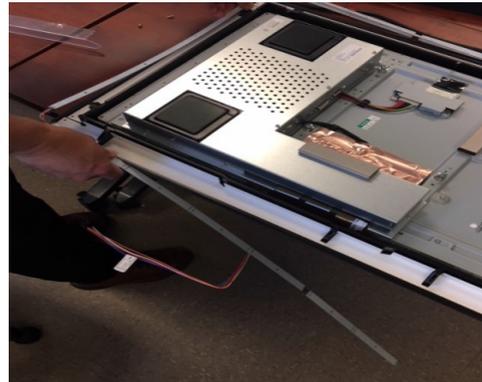
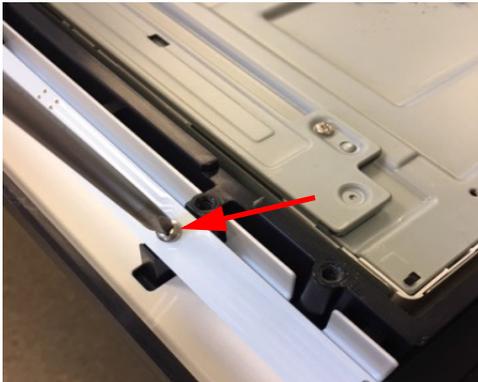


Figure 5

11. Reassemble new RGBW lighting lenses in reverse order. Make sure lighting boards are flush to stop and corner wiring is neatly tucked in. See figure 6. **DOT NOT OVER TIGHTEN SCREWS!**

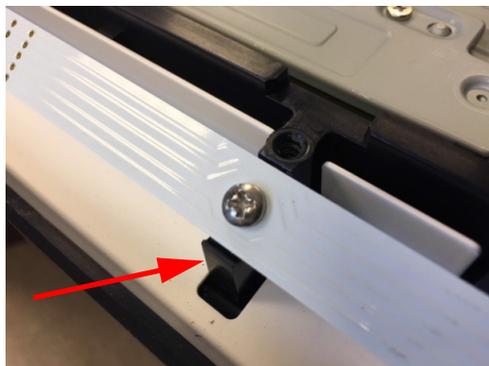


Figure 6

**NOTE: It is highly recommended to have a 2nd person help with holding door steady and guiding light harness thru until the display assembly is fully installed onto the door.**

12. Install display assembly back onto unit. **DO NOT OVER TIGHTEN SCREWS!**

13. Plug back in all connections to display only.

14. Locate nozzle lighting board and carefully pull upward the plastic rivets that hold it in place using a small flat screwdriver OR needle nose pliers and pull board out away from nozzle. Be sure to save the plastic rivets.

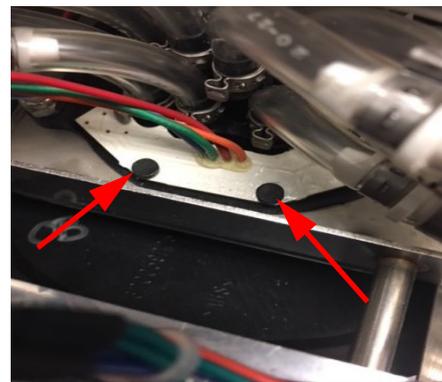


Figure 7

15.	Reinstall new RGBW nozzle lighting board on nozzle base with plastic rivets saved from step 14. Old RGB nozzle lighting board can be properly discarded.
16.	Remove and save the acorn nuts (5/16" open end wrench) and washers that hold the enclave lighting in place.



Figure 8

17.	Pull old RGB enclave lighting towards the center of the unit to remove, lighting then can be properly discarded.	
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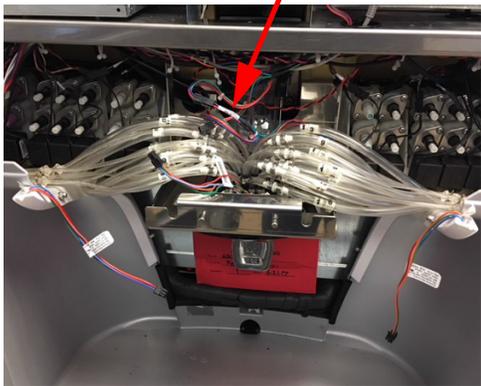
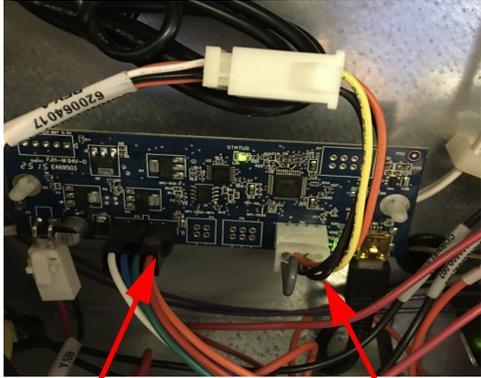
Figure 9

18.	New RGBW enclave lighting now can be installed using screws/washers saved from step 16. <b>DO NOT OVER TIGHTEN NUTS!</b>
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19.	Locate cable 620059555-006 (labeled), mounted in door, was connected to lighting harness and goes to LX3 board, note routing and replace with new cable 620059555-106. Be sure to properly discard old cable.	
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Figure 10

- Be sure to securely fasten with unit wire clips and wire ties (supplied) if needed.
- Make sure wires from unit to door wire loop does not get pinched or stretched, confirm by closing/opening door.

<p>20.</p>	<p>Locate cable 620061979-001 (labeled), centered in unit and near nozzle, and replace with new cable 620061979-101. Be sure to properly discard the old cable.</p>	 <p style="text-align: center;"><b>Figure 11</b></p>
<p>21.</p>	<p>Disconnect 620064017 harness (labeled) from LX3 board and add new jumper harness 620070249 and reconnect 620064017 to 620070249 as shown figure 12.</p>	 <p style="text-align: center;"><b>Figure 12</b></p>
<p>22.</p>	<p>Power up unit and check all functions especially all lighting functions, color changes when drink selected, etc.</p>	
<p>23.</p>	<p>Reinstall door service panel, ebox cover and valve engine cover.</p>	