

---

# **SLJ TO QLT CONVERSION KIT**

## **Installation Manual**

**Release Date: October 17, 2013**

**Publication Number: 740300001INS**

**Revision: A**

Visit the Cornelius web site at [www.cornelius.com](http://www.cornelius.com) for all your Literature needs.

---

The products, technical information, and instructions contained in this manual are subject to change without notice.

These instructions are not intended to cover all details or variations of the equipment, nor to provide for every possible contingency in the installation, operation or maintenance of this equipment. This manual assumes that the person(s) working on the equipment have been trained and are skilled in working with electrical, plumbing, pneumatic, and mechanical equipment. It is assumed that appropriate safety precautions are taken and that all local safety and construction requirements are being met, in addition to the information contained in this manual.

This Product is warranted only as provided in Cornelius' Commercial Warranty applicable to this Product and is subject to all of the restrictions and limitations contained in the Commercial Warranty.

Cornelius will not be responsible for any repair, replacement or other service required by or loss or damage resulting from any of the following occurrences, including but not limited to, (1) other than normal and proper use and normal service conditions with respect to the Product, (2) improper voltage, (3) inadequate wiring, (4) abuse, (5) accident, (6) alteration, (7) misuse, (8) neglect, (9) unauthorized repair or the failure to utilize suitably qualified and trained persons to perform service and/or repair of the Product, (10) improper cleaning, (11) failure to follow installation, operating, cleaning or maintenance instructions, (12) use of "non-authorized" parts (i.e., parts that are not 100% compatible with the Product) which use voids the entire warranty, (13) Product parts in contact with water or the product dispensed which are adversely impacted by changes in liquid scale or chemical composition.

### **Contact Information:**

To inquire about current revisions of this and other documentation or for assistance with any Cornelius product contact:

**[www.cornelius.com](http://www.cornelius.com)**

**800-238-3600**

### **Trademarks and Copyrights:**

This document contains proprietary information and it may not be reproduced in any way without permission from Cornelius.

This document contains the original instructions for the unit described.

CORNELIUS INC  
101 Regency Drive  
Glendale Heights, IL  
Tel: + 1 800-238-3600

Printed in U.S.A.

# SAFETY INSTRUCTIONS

## 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 before operating this unit.

### Recognition



## 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.

## 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 properly.
- **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.

## 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

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.

## SHIPPING AND STORAGE

 **CAUTION:**

Before shipping, storing, or relocating the unit, the unit must be sanitized and all sanitizing solution must be drained from the system. A freezing ambient environment will cause residual sanitizing solution or water remaining inside the unit to freeze resulting in damage to internal components.

# INSTALLATION INSTRUCTIONS

## PARTS LIST

Table 1: Parts List

Part no.	Description	Qty
620051471	Shelf Pouch Holder BIB Quest QLT	1
620053164	Pouch Holder SS 4.5 liter QE-QLT-2000	2
720521000	Electric Box Set Quest 2000	1
720522100	Platform assy Quest 2P (QLT)	1
720500007	Label Wiring Quest 2000	1
630400272	Label Serial Decal	2
620055633	Label Daily Flush & Cleaning	1
720201416	Brkt Platform Securing Qst2	1
0704105	Screw (For installing 720201416)	2
740300001INS	Manual	1
740000288	Packaging	1

## PROCEDURE

1. Open cabinet door.



Figure 1.

2. Remove following items:
  - A. Bottles with concentrate.
  - B. Shelf
  - C. Nozzles and diffusers

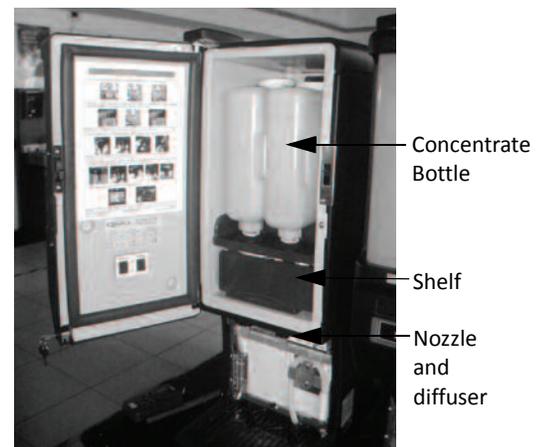


Figure 2.

3. Disconnect Water and Power plug from the pump deck



Figure 3.

4. Disengage the lock on Pump deck by pulling outwards.



Figure 4.

5. Lift out the SLJ - 2F pump deck.



Figure 5.

6. Remove the two screws from the back panel.

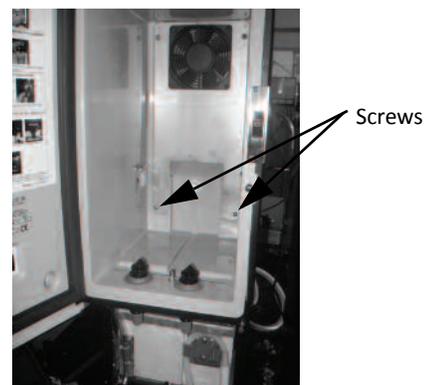
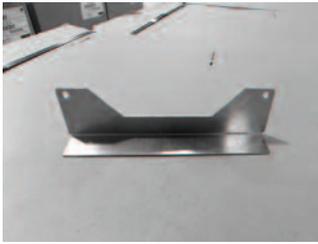


Figure 6.

7. Follow the procedure below to install the new parts.
8. Install the bracket platform as shown below using the screws provided.



**Figure 7.**

9. Place the QLT 2-F platform into the cabinet



**Figure 8.**

10. Connect power and water supply to the platform.



**Figure 9.**

11. Clean and sanitise the nozzles and diffusers, and install onto the pump deck.
12. Remove the splash panel by removing the screws on both sides.



**Figure 10.**

13. Replace the electric wiring diagram (SLJ-type) with the new QLT version.

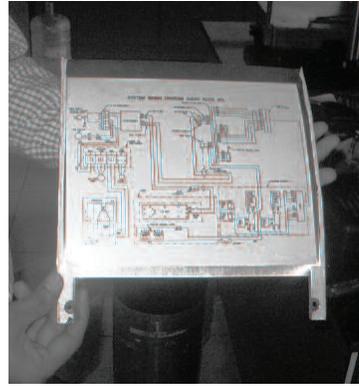


Figure 11.

14. Remove the screw that holds the electric box to the chassis.

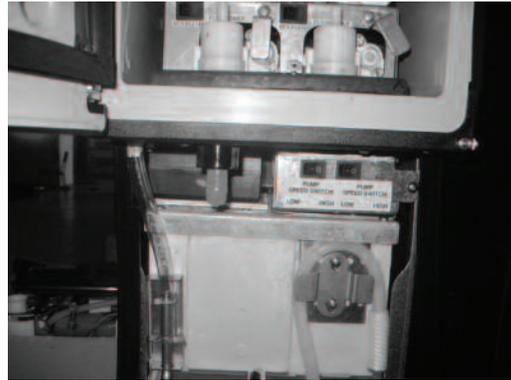


Figure 12.

15. Pull the SLJ electric box assembly forward and remove.

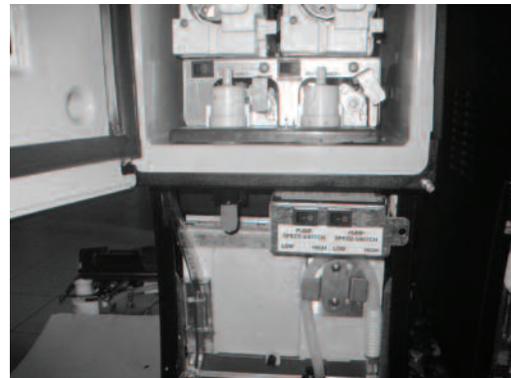


Figure 13.

16. Slide the QLT electric box assembly in.
17. Install the screw to secure the electric box, following the above process in reverse order.
18. Install the BIB Shelf.



Figure 14.

19. Load the pouch holder(s) with concentrate, and hookup the silicone tube(s) to the mixing chamber(s) as shown below.

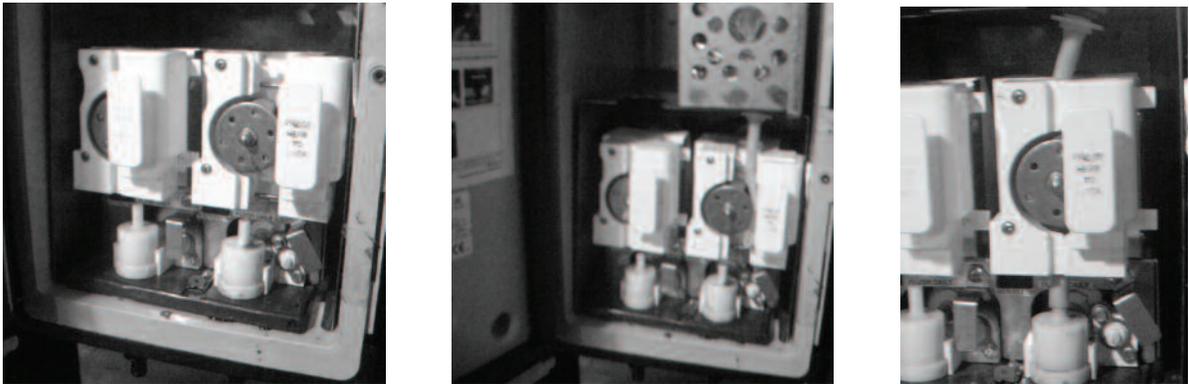


Figure 15.

20. Replace serial number label(s) as shown, record both the original SLJ serial number and new QLT serial number.

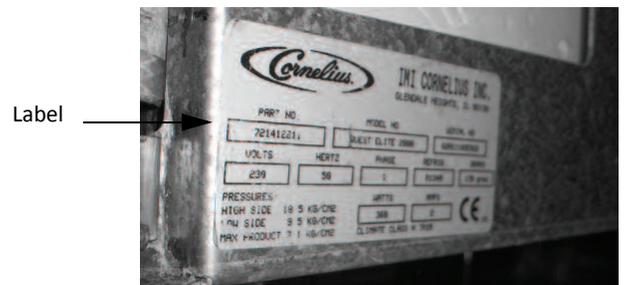


Figure 16.

21. Replace the door label with the new one provided (P/N: 620055633).

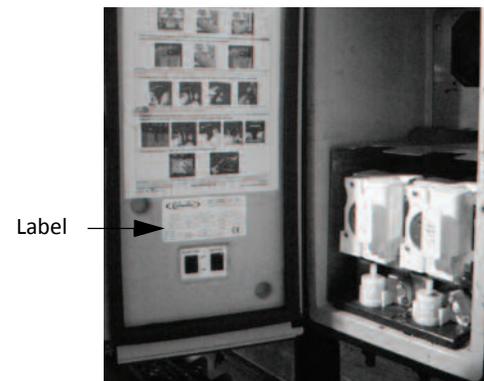


Figure 17.

22. Dismantle the merchandiser by removing two screws as shown.

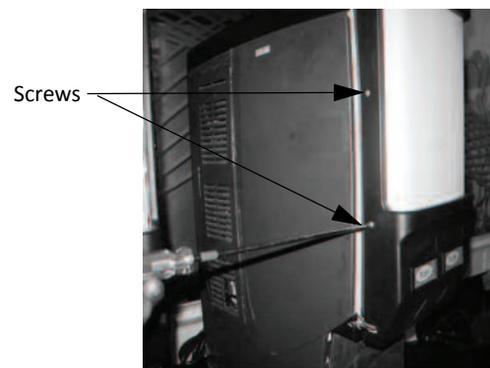
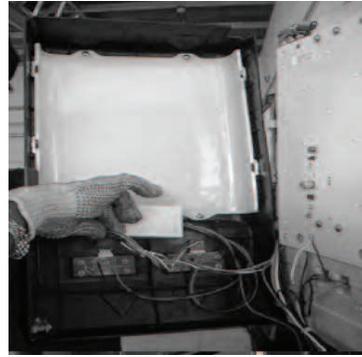


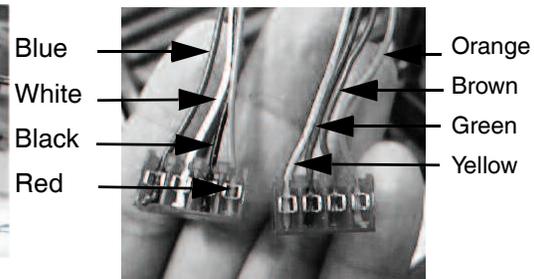
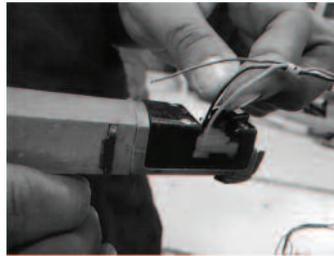
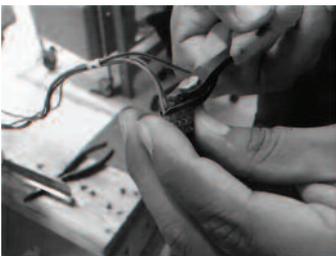
Figure 18.

23. Remove the wire harnesses from the rear.



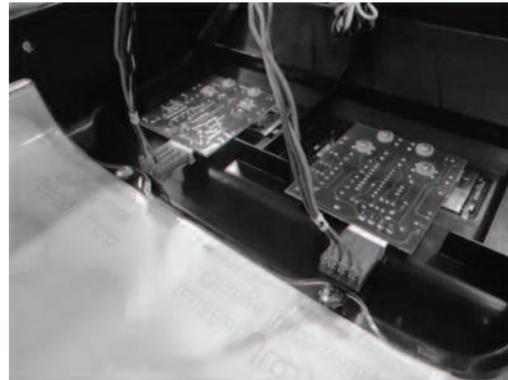
**Figure 19.**

24. Cut and gently remove the leads from the harness. Using AMP tool insert the wires in the reverse order. Repeat the same procedure for the other harness also.



**Figure 20.**

25. Connect the harness to the respective slots as shown.



**Figure 21.**

26. Re-install the merchandiser.

27. Complete Electrical Safety test in accordance with local regulations. See "Electrical test" in reference section for instructions.

28. Power on the Quest unit.

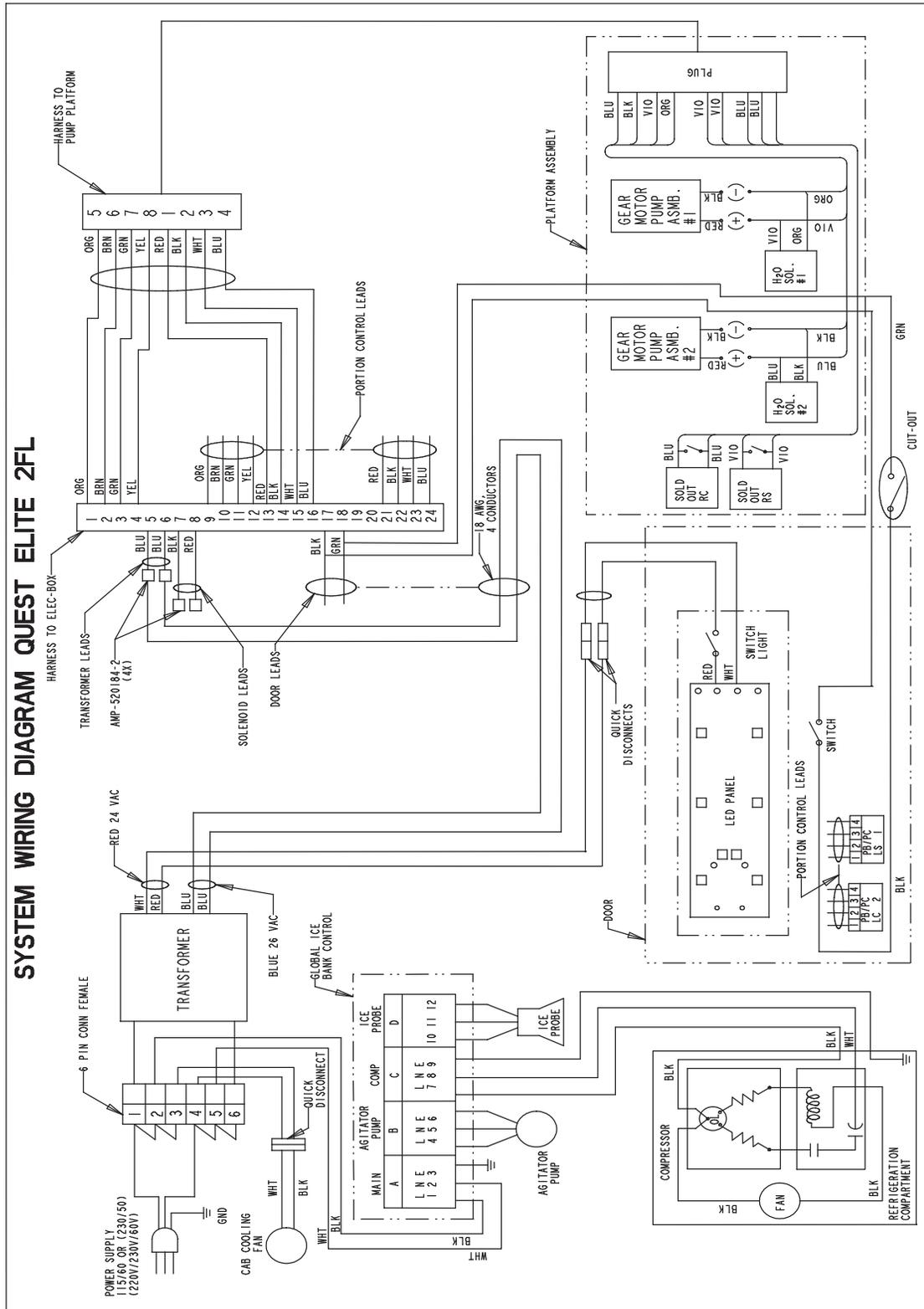
29. Prime the water and syrup systems.

30. Start the calibration / brixing procedures (either with QLT splitter or Hydrometer).

31. After completing the brixing procedures, program the SM, MD and LG portion(s).

# REFERENCE

## Wiring diagram



## Electrical test

1. Plug the power cord into the outlet of Hy-Pot.



Figure 22.

2. Place the black pin within the unit.



Figure 23.

3. Press the "Test" button to activate the test. Allow the test to run (about 1 second), the tester should turn off. If this fails then try again or check the circuit for faulty connections. Remove both pincers, record the test results in the Traveler Hy pot.



Figure 24.



**Cornelius Inc.**  
**[www.cornelius.com](http://www.cornelius.com)**