



INSTALLATION MANUAL

Quest Bib Option Kit



Release Date: November 28, 2012

Publication Number: 720901123INS

Revision Date: March 24, 2014

Revision: E

Visit the Cornelius web site at 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-usa.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

SAFETY



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

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. 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 area around the unit clean and free of clutter.

Failure to keep this area clean may result in injury or equipment damage.

INSTALLATION INSTRUCTIONS

NOTE: P/N 629097210 is used for Quest 4, w/o rear cabinet back panel, P/N 729011125 is used for Quest 4, 4 hole BIB, P/N 729011126 is used for Quest 2, 2 hole BIB

1. Verify that the back panel of the unit has the 4-hole pattern, as shown in Figure 1.

NOTE: Does not apply to P/N 729011125 & 729011126 kits.

If the back panel cabinet has been updated with the 4-hole pattern proceed to Step 9, if not continue to Step 2.



Figure 1.

2. Remove the shelf from the top of the platform assemblies and slowly lift it out of the cabinet, as shown in Figure 2. When the shelf is removed from the unit, remove the four rubber grommets from the shelf.



Figure 2.

3. Install the rubber grommets removed in Step 2 into the new shelf, as shown in Figure 3.



Figure 3.

4. Unscrew the top panel (a). Remove the top panel (b). Slide the panel out until it clears the door hinge (c). Remove the back panel pulling up and out (d).

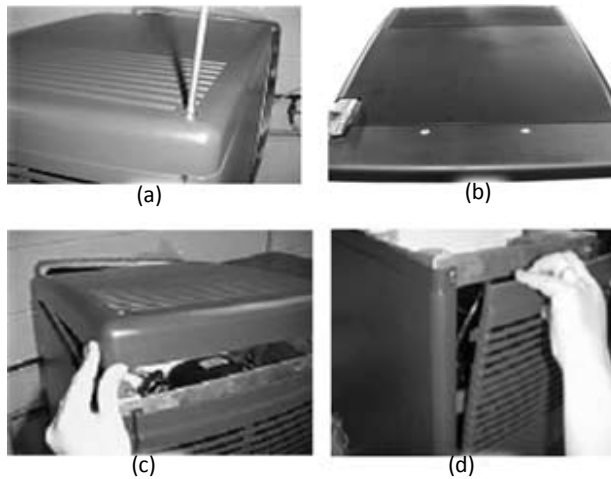


Figure 4.

5. Remove the nozzles and static mixers from the unit.



Figure 5.

6. Unlatch the platform assemblies and lift them over the latch (a). Disconnect the water lines (b) disconnect the electrical connections (c) remove the platform assemblies.

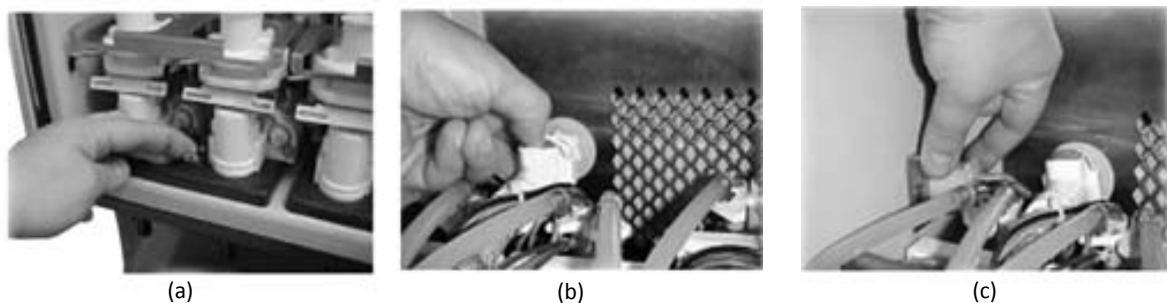


Figure 6.

7. Remove the existing back panel from the cabinet (a) and (b). Remove the fan from the panel (c) and (d).

IMPORTANT: Be careful NOT to pull on the fan wires.

NOTE: (c) shows the back panel with 10-32 screws.

(d) shows the back panel with integrated plastic screw inserts.

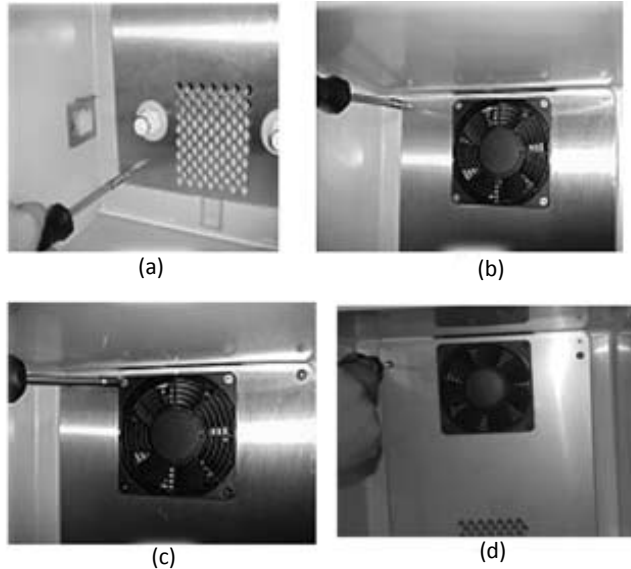


Figure 7.

8. Pry open the fan shroud using a screwdriver, as shown in (a). Attach the fan to the new back panel included in the kit. Be careful NOT to pull on the fan wires. Install the new back panel on the cabinet as shown on the right.

9. Replace the fan shroud with the screw inserts provided with the replacement shroud.

IMPORTANT: DO NOT pinch the fan wires between the fan and the cabinet or between the panel and the evaporator. Minimize the risk of pinching the wires by gently pulling them from the rear of the unit, removing any slack.

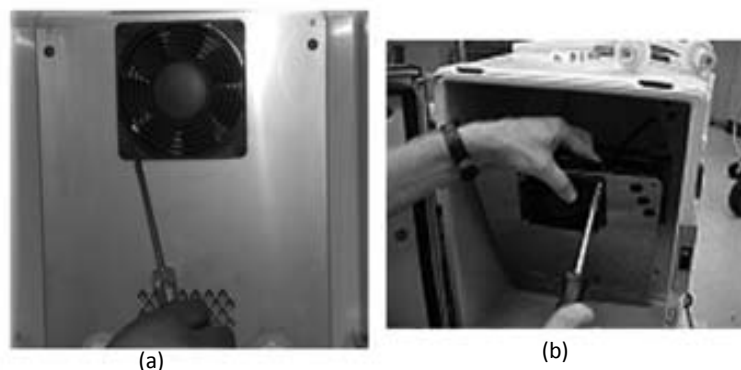


Figure 8.

10. Remove the front catch strike plate bracket (a). Remove the two additional screws on the back of the unit to allow for removal of the side panel (b). Remove the side panel by pulling it out (b).

IMPORTANT: If your kit contains the black plastic panel (P/N 620056690) with the slot, skip to Step 11.



(a)



(b)

Figure 9.

IMPORTANT: This step requires the use of a drill and a small saw blade.

11. Use the appropriate template shown on the right to cut out a slot for the tube clearance in the back cabinet panel. Drill an initial clearance hole, then use the saw blade to cut the appropriate size slot. Cut a 0.625" by 1.75" wide slot for the two-flavor unit. Cut a 0.625" high by 3.5" wide slot for the four-flavor unit. Remove any sharp edges.

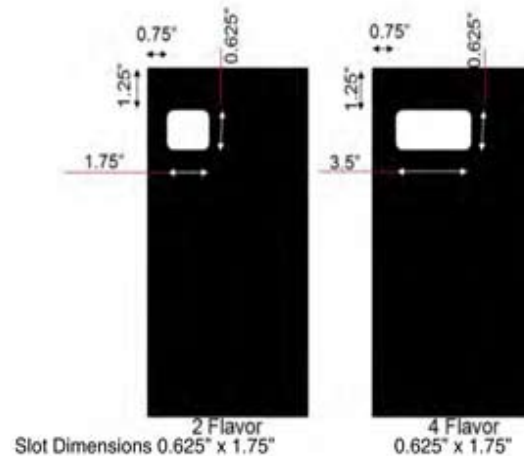


Figure 10.

12. Remove the four black plugs on the back panel and replace them with the white grommets provided in the kit.



Figure 11.

13. Slip the Oetiker clamp over the tubing (a). Use the Oetiker pliers (b), to crimp the ears of the clamp to seal the tubing.



(a)



(b)

Figure 12.

14. The top view of the machine as shown on the right and dress the tubing routing as shown in the Figure 13. This will keep the tubing away from the heat of the discharge line and compressor being blocked by the thermal shield.

NOTE: Applies for LM1 units only.

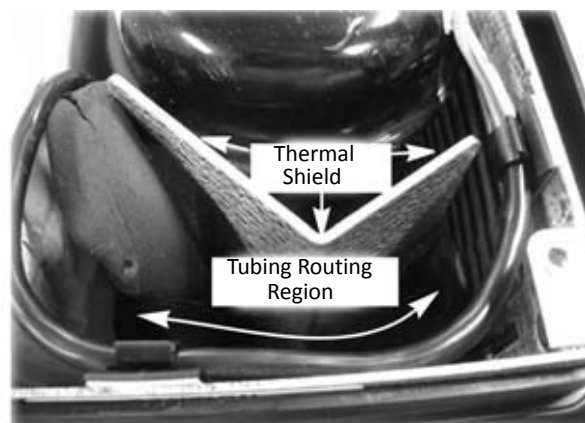


Figure 13.

15. From the inside of the unit, feed the tubing through the holes in the back of the cabinet (a).
- A. Save the foam plugs as they will be re-used if the BIB option kit is ever uninstalled (b).
 - B. Ensure that the tubes will not contact the compressor.
 - C. Adjust the length of the tubing to allow access to the furthest drink port (a).
 - D. Mark the tubing at the back of the unit with the matching drink selection.



(a)



(b)

Figure 14.

16. Pull the tubing through the side of the unit, away from the thermal shield as shown in the Figure 15.

**Figure 15.**

17. From the inside of the unit, continue feeding the remaining tubing through the holes in the back of the cabinet. Align the tubing vertically in the space between the shield and the side frame.

**Figure 16.**

18. Using the zip tie, to secure the tubing set away from the thermal shield as shown in the Figure 17. **DO NOT** cause the tubing to kink with the zip tie.



Figure 17.

19. Pull the tubing through the slot in the back panel. Ensure that the tubing does not kink. Replace the back panel of the unit by aligning the four locating hooks with the slot on the frame.



Figure 18.

20. Replace the back and side panels that were removed in Step 6.



Figure 19.

21. Re-install the platform assemblies, reconnect the water and electrical connections and install the new shelf.



Figure 20.

22. Insert the bottle adapter end of the tubing into the appropriate station.



Figure 21.

23. Install the hold brackets as shown in Figure 22. for the four flavor kit, the wider bracket goes on the right side of the unit.



Figure 22.

24. The completed assembly should look like as shown in Figure 23.



Figure 23.

Part number: 729011125 KIT 4FL BIB 4 HOLE OPTION QST-

Level	HS	SS	Part Number	Description	Qty/
1	Y		0704105	SCREW MA 08-32 TRPH 16 SS	2.
1	Y		11749	JUMPER ASY SOLD OUT	4.
1	Y		200498003	NUT HEX 08-32 SS KEPS	2.
1	Y	N N	309853000	CLAMP 618OPEN STPLS #15.7	8.
1	Y	Y	620047512	GUARD FAN EBM 9000 & 4000	1.
1	Y	N N	620056311	BRKT HEAT SHIELD DISCHARGE	1.
1	Y	N N	620056939	BUSHING SPLIT FLANGED .625	4.
1	Y		720201438	BRKT ADAPTER QUEST	2.
1	Y		720201447	BRKT HOLD DOWN SECURING QS	1.
1	Y		720202112	PANEL BACK CABINET QST-NT	1.
1	Y		720500069	SCREW SM 08-32 THMB 12 SS	2.
1	Y		720532026	SUPPORT ADAPTER SHELF QST-	1.
.2	Y		720201509	SHELF CABINET QST4 QST-NT	1.
1	PC	N N	720702305	ADAPTER ASY BIB QST	4.
.2	PC		720702305X	ADAPTER ASY BIB QST (MFG P	1.
..3	Y	N N	309853000	CLAMP 618OPEN STPLS #15.7	1.
..3	Y		45248X	ADAPTER ASY TANK SLJ	1.
...4	Y		1836702	SPRING COIL S/S	1.
...4	Y	Y	31525010	O-RING 737ID 103CS 65DU E	1.
...4	Y	Y	463571	TANK BALL CHECK	1.
...4	Y		46433	RETAINER BALL CLIP DJ4	1.
...4	Y	Y Y	7229192	GASKET ADAPTER BOTTLE	1.
...4	Y	Y	7245246	FITG ADAPTER TANK SLJ	1.
..3	Y	Y	638006070	TUBE VINYL CLEAR 3/8 ID X	4.
..3	Y		720702304	ADAPTER BIB TO BOTTLE QST/	1.
..3	Y	Y	77040300	FITG-SPLICER 375TUBE 250ID	1.
1	Y		720901123INS	MANL INSTL BIB ADAPTER KIT	1.



Cornelius Inc.
www.cornelius.com