



FOCUS™ PREMIX BEVERAGE DISPENSER SERVICE MANUAL



CONTACT INFORMATION

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. Appropriate safety precautions should be followed and all local safety and construction requirements should be met.

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

IMI Cornelius Inc.	
In the U.S.A.	In the P.R.C.
Ph: 800-238-3600	Ph: 86-22-2529-0858
Fax: 763-488-4298	Fax: 86-22-2529-0865
Add: 101 Broadway Street West Osseo, MN 55369	Add: No. 12 Xintai Road, TEDA, Tianjin 300457
Internet: www.cornelius.com	
E-mail: customerservice@cornelius.com	

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NOTE

INTRODUCTION

Thank you for specifying Cornelius. The Focus dispenser has been designed and engineered to high standards and if properly installed and maintained will provide a long and reliable working life.

You are strongly advised to read carefully the contents of this guide and then retain it for future reference.

Please remember the warranty can be invalidated by unauthorised tampering and all service or repairs must be carried out by qualified engineers trained to Cornelius' standards of competence.

Please read the warranty carefully and note the exclusions listed. Should any claims become necessary make them through the Cornelius Service Centre on 800-238-3600.

A warranty and customer questionnaire card has been enclosed with your unit. Please return this card to ensure the validity of your warranty and to help us improve our customer service.

The Focus dispenser is only one product from a complete range of drinks dispense, refrigeration and catering equipment.

Simply mark the warranty card and return (postage paid) for information on any of our products manufactured for use in the leisure industry.

While every effort has been made to ensure accuracy in this guide, Cornelius is unable to be held responsible for any loss, consequential loss or damage resulting from any action you may take. Cornelius' policy is one of constant product development and improvement and some details and specifications of your unit may differ from that described here.

In the event of any query please telephone the Cornelius Service Centre for latest information.

GENERAL INFORMATION

Focus can be used to dispense cold milk in cafeterias, schools, hospitals, hotels, kitchens etc. Any BIB Pre-Mix products such as flavored milks (e.g. chocolate, strawberry), soy milk, ice tea, juices, wine can be dispensed as well.

SPECIFICATION

	CD RANGE	
outer height	32"	820 mm
outer width	14"	360 mm
outer depth	20"	500 mm
inner height	2 x 16.7"	2 x 425 mm
inner width	2 x 5.9"	2 x 150 mm
inner depth	2 x 9.8"	2 x 250 mm



Clearances for maximum box size:

- allow 1/2" (10 mm) clearance on both sides of the box
- 1/2" (10 mm) clearance overall for the depth

Box dimensions:

2 X 10 L

- H 16.25" (413 mm)
- W 4" (100 mm)
- D 10.5" (267 mm)



MODEL NUMBER

	2 Valve
Illuminated Black	CD210IB
Non-Illuminated Black	CD210NB

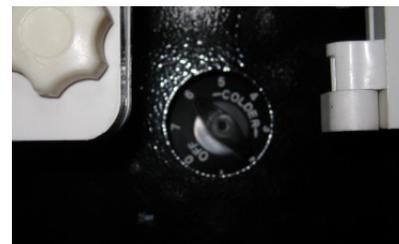
INSTALLATION

1. Always handle the unit carefully never tilt drop or place it upside down.
2. The unit should be stood on a solid counter or shelf. Ensure that there is adequate ventilation around the unit. In particular ensure that the top and base of the unit is clear of obstruction. Allow a 1" (25 mm) gap around the unit and a 4" (100 mm) breathing space behind the unit.
3. Electrical supply required is 120 VAC and 60 Hz. The unit must be earthed. if in doubt consult a qualified electrician. **DO NOT SWITCH ON** unit until the installation has been completed.
4. Switching on: If the unit has been laying on it's side then allow at least 8 hours in the upright position before switching on. The unit should be left on at all times as a domestic refrigerator. The temperature within the unit is controlled by means of a thermostat. (Position No. 7 is the coldest). On the illuminated version the light ON/OFF switch is located on the lower panel on the right side.

4.1 Plug in machine to 120V/15A dedicated outlet



4.2 Check thermostat setting. Dial should be set between 3 and 4 to achieve desired temperature. (Adjust dial clockwise to make the cabinet colder.)



4.3 Turn switch ON to activate merchandiser light.



MAINTENANCE

There are no user serviceable parts. Repair and maintenance should only be carried out by a qualified service technician.

In order to maintain the efficiency of the unit and retain safe hygienic conditions of the bag-in-box milk a cleaning routine is essential.

MANUAL CLEANING INSTRUCTIONS

Daily

Wash Parts:

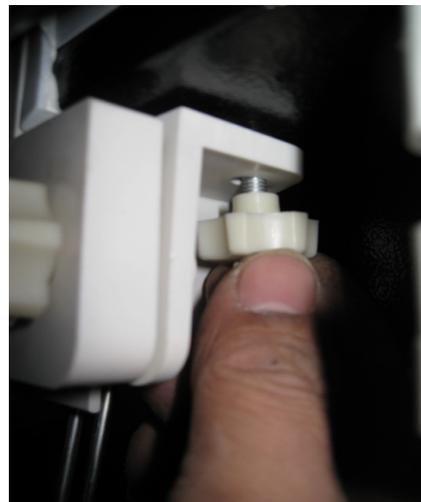
- a). Remove and wash the dispensing valve, drip pan, and grill in a mild detergent solution. Rinse thoroughly.
- b). Using a clean damp cloth wipe down the exterior cabinet and splash panel.

Weekly

Sanitize the Dispenser

- a). Prepare the sanitizing solution by filling the 24 oz. Cup with warm (80° – 100° F; 26.7° – 37.8° C) water and dissolving enough sanitizer detergent in the water to ensure 200 ppm of available chlorine.

- b). Remove valve from the unit (by unscrewing two thumbscrews either side of the valve).



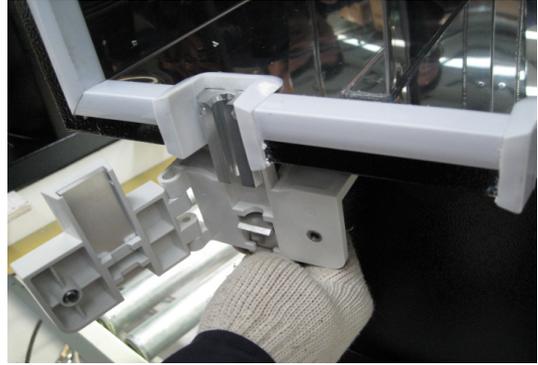
- c). Rinse the valve in hot water.
- d). Place the valve in the sanitizing solution and agitate vigorously. Allow the parts to soak for two minutes and then rinse thoroughly with warm tap water.

CAUTION: Do not soak parts in solution over night.
Additionally, do not wash in a dishwasher.

- e). Reinstall the valve.

Reinstall the valves:

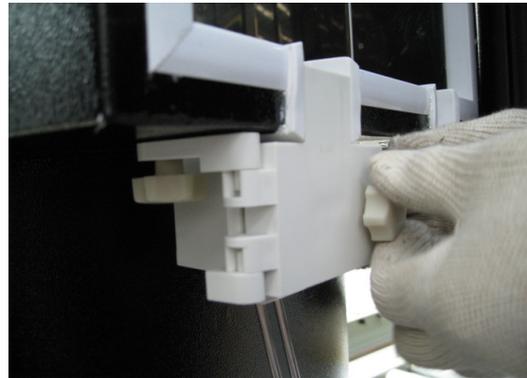
e-1). Slide the valve body over the aluminum block



e-2). Insert the thumb screws and thread them in 1-2 turns but do not tighten.



e-3). Close the valve door and tighten the front thumb screw.



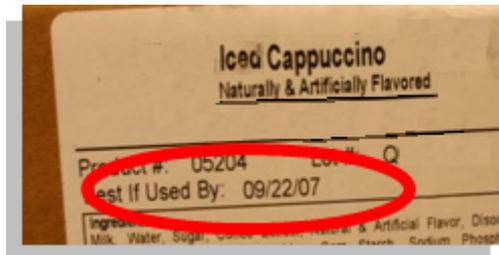
e-4). Tighten the bottom 2 thumb screws.

f). Dispense a small amount of product to prime the system and prepare it for operation.

g). Wipe all internal and external surfaces of the cabinet with a clean damp cloth.

KEEPING AND USING FOCUS

1. Make sure the package is in good condition upon arrival and check date code stamp.
Contact supplier if any problems with the package.



2. Dairy based product and **MUST BE KEPT UNDER REFRIGERATION AT ALL TIMES.**
If dispenser is already full, store extra pack in normal refrigerator.
3. Ensure proper stock control-use oldest pack first. (FIRST IN - FIRST OUT).
4. Do not use dairy based product that has been allowed to stand in the dispenser over the weekend.
5. Do not allow dairy based product to freeze. Adjust thermostat to ensure product is dispensed between 32° F and 41° F
6. Keep equipment clean at all times.

CHANGING BAG-IN-BOX PRODUCT

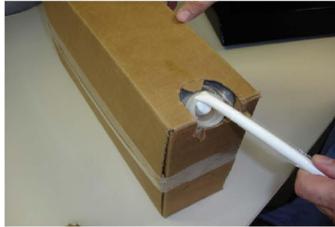
1. Ensure the box is empty.
2. Remove box and tube from tap.
3. Insert new box.
4. Push back operating lever and hold to keep tap open.
5. Feed dairy based product delivery tube through slot into correct location, release lever to lock.
6. Cut off delivery tube flush with lower face of tap body.

Product Loading:

1. Open box by depressing with thumb



2. Remove tube from carton



3. Unscrew thumbscrew to open Valve door



4. Place carton in machine



5. Align bag fitment inside box pointing down



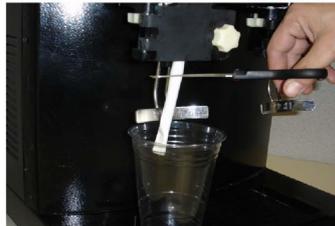
6. Align tubing inside valve



7. Close valve door and tighten thumbscrew



8. Place cup below tubing and cut tubing 1/4" below valve with clean scissors



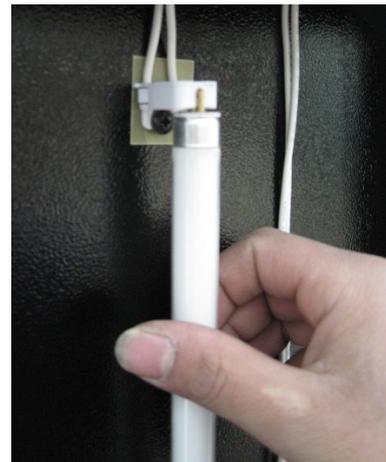
CHANGING ILLUMINATED UNITS

Changing the light should be done by a qualified person.

1. take off the lens



2. turn the tube, let the pin out of the slot

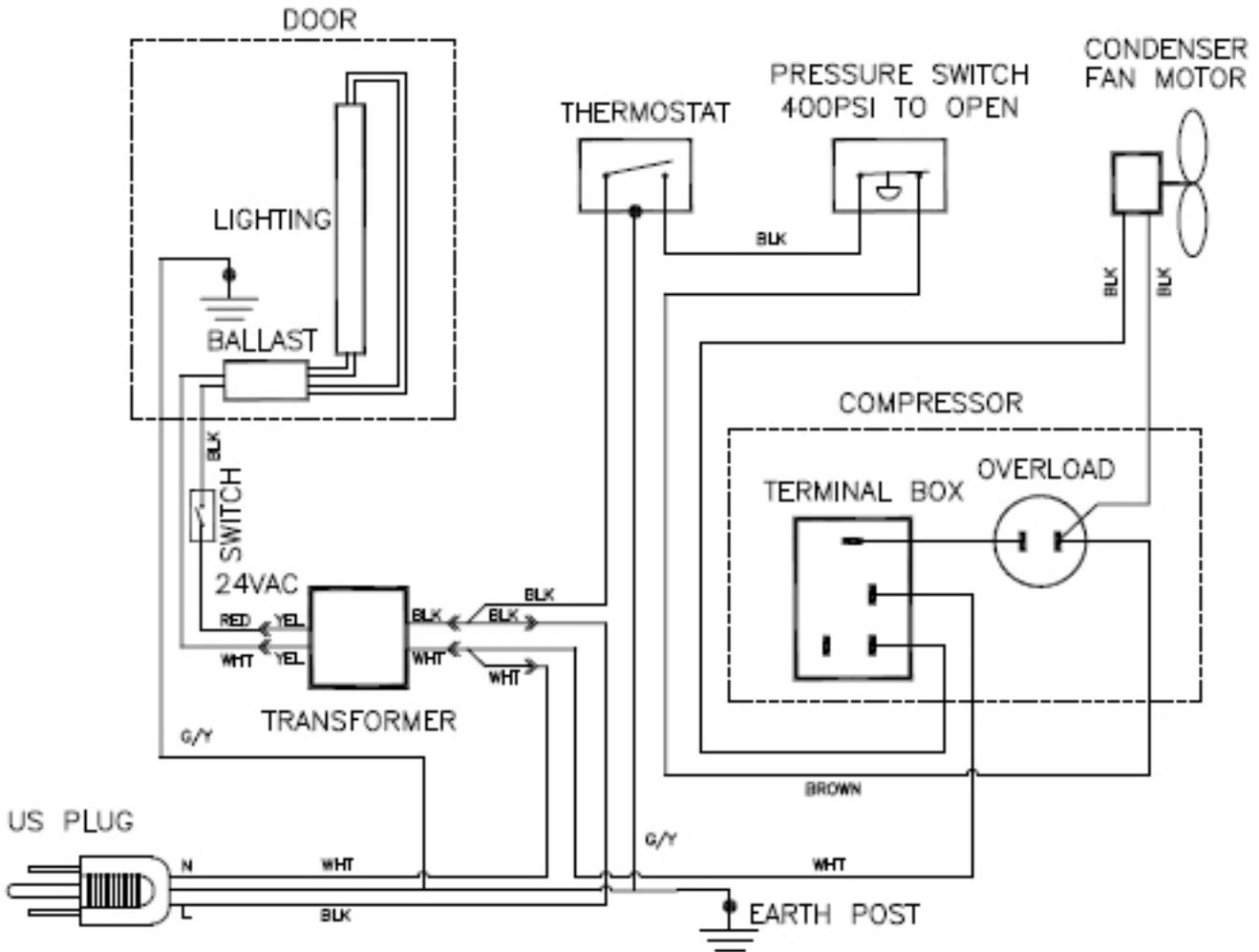


3. take off the tube



Wiring Diagram

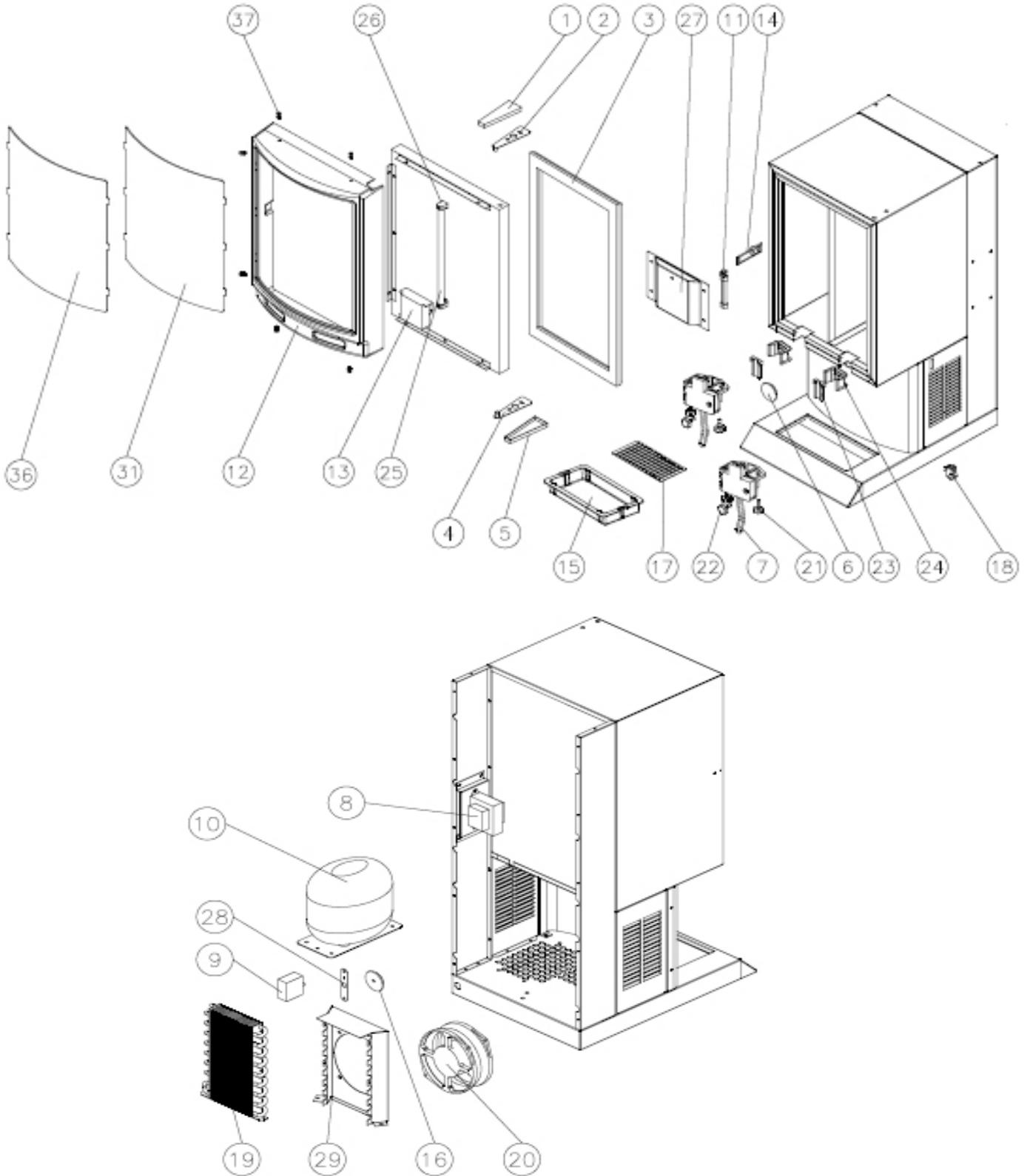
ELECTRICAL DIAGRAM FOR CD210IB



WARRANTY

CONDITIONS	EXCLUSIONS
1. The goods described under this contract shall be of normal industrial quality unless specifically stated to the contrary, and shall meet any specification laid down in the contract.	All other warranties or conditions as to quality and conditions (statutory or otherwise) are excluded.
2. It is for the purchaser to satisfy himself that the goods are fit for the purpose for which they are required.	The Company gives no warranty as to fitness for purpose, unless specifically stated in writing to the contrary.
3. For a period of TWELVE MONTHS from the date of delivery, the company will repair or replace free of charge any component parts proven to be defective as a result of faulty materials or workmanship.	The Company will not be liable for the cost or repairs to the unit arising from: <ul style="list-style-type: none"> i) Wilful damage or neglect. ii) Disregard of Company's installation and operating instructions, including inadequate ventilation or blocking of air vents, failure to provide a suitably rated and safe electrical supply, or failure to install the unit on an even, level surface. iii) Damage to exterior or interior casing of the unit due to, but not limited to, corrosion, scratching, denting, etc. iv) Failure of light bulbs, tubes or starter assemblies. v) Damage arising from dismantling, transit or reinstallation.
4. The company will carry out repairs or replacement either through its own engineers or through approved contractors.	The company will not be liable for the cost of repairs effected by third parties without the company's prior consent and approval.
5. This warranty is applicable only to the original purchaser of the unit, or in the case of multiple purchases, to the FIRST customer of the original purchaser at the FIRST site location.	No transfer of warranty is possible beyond the FIRST customer or the FIRST location.

ILLUSTRATED PARTS LIST



ILLUSTRATED PARTS LIST

Item	Description	Black (2 Valve)
1	hinge cover (top right)	890417620
2	hinge (top right)	890411236
3	door gasket	890417617
4	hinge (bottom)	856029426
5	hinge cover (bottom right)	890417620
6	thermostat cover	890417619
7	tap - push type	890416713
8	Transformer	32682
9	thermostat	890415702
10	compressor	890415202
11	temperature gauge	890415703
12	Hood	910618039
13	Light Ballast	440000905
14	door latch	890416716
15	drip tray (plastic)	910618049
16	thermostat control knob	856029089
17	Cup rest	910618050
18	light switch	309645000
19	condenser	18288
20	condenser fan	890414101
21	thumbscrew	583343001
22	thumbscrew for valve door	890416303
23	Valve Heatsink	910618012
24	Tap Recess	890417618
25	Light Bulb	205992035
26	Light Fittings	205990857
27	Thermometer bracket	890411135
28	Thermostat bracket	890411247
29	Condensor Shroud	890411245
30	drier (not shown)	580450067
31	Front Decal	890419135
32	Flavor Decal1	890419136
33	Flavor Decal2	890419137
34	Flavor Decal3	890419138
35	Flavor Decal4	890419139
36	Merchandiser Lense	910618040
37	Plastic Clip	890417625

Trouble Shooting

1. Light bulb has burnt out/ change the graphic
 - Turn side panel switch OFF. Remove graphic and cover.
 - Twist to remove bulb. Replace.
 - Turn side panel switch back ON. Replace graphic and cover.
 - If bulb replacement does not fix, check light ballast.

2. Machine not cooling
 - Check voltage to the compressor
 - Check voltage to the thermostat
 - Call in third party capable of performing refrigeration fixes

3. Machine freezing up
 - Turn thermostat control counter-clockwise to warmer setting

4. Product too warm
 - Was product pre-chilled before added to the machine?
 - Confirm cabinet temperature is below 42 degrees.
(Thermometer on back of door should read in highlighted zone.) Turn thermostat clockwise to colder setting.
 - Check ventilation louvres for restriction or blockage. Clean.
 - Confirm condenser fan is running.
 - Check fan for binding or lack of operation.

5. Product not dispensing properly (freeze-up)
 - Check for kinks in the pinch tube from the product packaging thru the dispense valve channel
 - Turn thermostat counterclockwise to warmer setting while maintaining max. 41 degree cabinet temperature

6. Product taste "off"
 - Check "use by" date on product package.
 - Confirm product not past "discard date"
 - Storage temperatures prior to opening should be between 40 and 81 degrees.



NOTE

NOTE

Release Date: March, 2008

Publication Number: 890419404

Visit the IMI Cornelius Web Site at www.cornelius.com for all your Literature needs.

This manual applies to units which have a serial number from 89A0812XAxix.



IMI CORNELIUS (TIANJIN) CO., LTD