IMPORTANT

INFORMATION

FOR

CDR/ CDD

This cooler has passed the
QUALITY CONTROL INSPECTION
And meets the high standards at Beverage-Air
This inspection includes complete refrigeration
System,cabinet construction & finish.

IMPORTANT
PLEASE RETAIN FOR YOUR RECORDS

SALES OFFICE: P.O. BOX 5932 SPARTANBURG, S.C. 29304-5932
PHONE: (864) 582-8111 TOLL FREE 1-800-845-9800
TECHNICAL SERVICE: 1-800-684-1199, PARTS ORDER FAX: 1800-262-9381
PLANTS: SPARTANBURG, S.C. BROOKVILLE, PA. HONEA PATH, S.C.

809-061A
REV. D

INSTALLATION AND OPERATING INSTRUCTIONS
MODELS: CDR / CDD

1. INSTALLATION

a) CARTON INSPECTION/REMOVAL:

Upon receipt, check the carton for damage. Contact Carrier if any exists. Remove staples from top, front, back and around the base. Cut carton through a front corner (adjust cutting blade to ½ inch deep) and remove carton.

b) RECEIVING INSPECTION:

Upon removal of carton, check all packages for accessories or optional components, including legs, casters and shelves. Remove cabinet from wood base and move into operating location.

c) LEGS AND CASTERS (optional):

Legs and casters screw directly into the base. To install either option, tip or raise the cabinet one side at a time. Remove leveling legs, discard, and replace by screwing in legs or casters. Note: Cabinet must be on 6 inch legs, casters, or sealed to floor with NSF listed sealant such as Dow Corning #732.

d) LEVELING:

To provide adequate condensate drainage and proper door alignment and operation, it is necessary that the cabinet be level. Level cabinet from front to rear and from side to side with leveling legs. Cabinet must be level to insure proper operation of compressor and draining of condensate. This should be done after cabinet has been set in its final operating position.

e) SHELVES/LIGHTING:

Shipped inside each cabinet are shelves and shelf supports packed in plastic. Shelf spacing is adjustable to suit requirements; shelf installation as follows:

i. Remove both rear service doors to ease installation. Place display decks in bottom of case. Orient decks with flange formed up and adjacent to the side of case. This flange retains the side wire shelf supports. See Figure A for reference.

ii. Arrange the left and right side supports as shown in Figure A. Determine your shelf height(s) and place a rear shelf support in that position. Place a shelf light at the same height at the front of case. Note: See Figure A for shelf orientation. At the front end of each shelf, the wires are turned up. The back of each shelf has small spheres on the bottom of the frame wire. These spheres located the shelf over the rear shelf support.

- If using only ***one shelf***, see Figure A. This is the standard configuration of the unit when shipped from the factory. Be sure that the **OPTION** program plug (P/N 504-794B) is plugged into the wire harness - Access program plug location by removing front grille; the plug can be seen in the wire harness located behind the air baffle, see Figure D. Plug the shelf light into the middle, side receptacle. Be sure that the caps for the two unused receptacles are in place.
- For ***two shelves***, see Figure B. Be sure that the **STANDARD** program plug (P/N 504-795B) is plugged into the wire harness, see Figure D. The uppermost and lowest side receptacles are to be used with the (2) shelf lights. Be sure that the cap for the middle receptacle is in place.
- If ***three shelves*** are used, see Figure C. Use the **OPTION** program plug as before. All three receptacles are to be used with the three shelf lights.

- If no shelves are to be used, be sure that the **STANDARD** program plug is plugged into the wire harness.

Note: If the caps are not in place as required, the top case light will not work properly.

iii. Place the wire shelves in position so that the small spheres are to the rear and straddle the rear shelf support see Figure C.

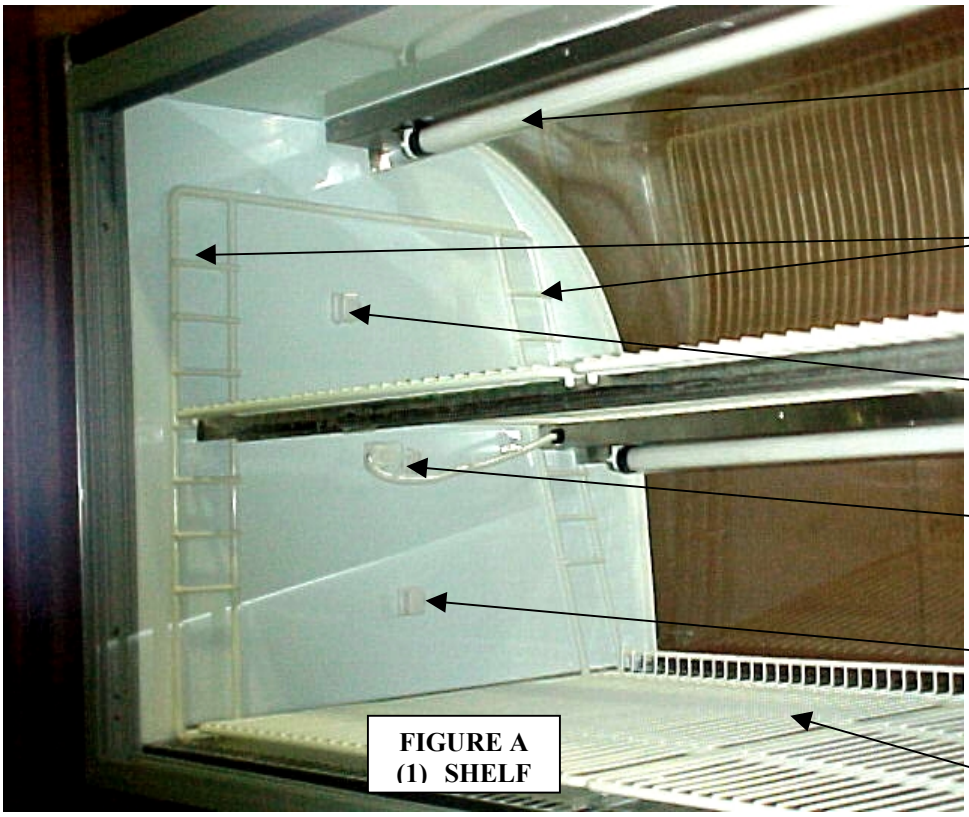


FIGURE A
(1) SHELF

FIGURE B
(2) SHELVES

FIGURE C
(3) SHELVES

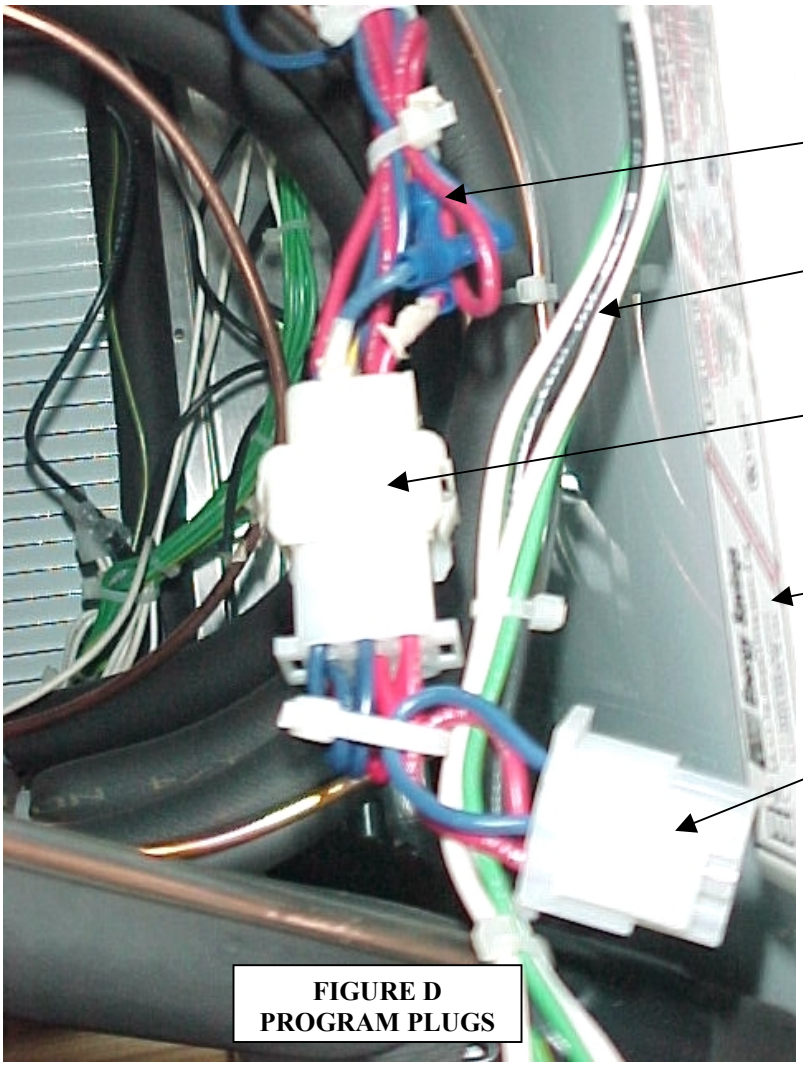
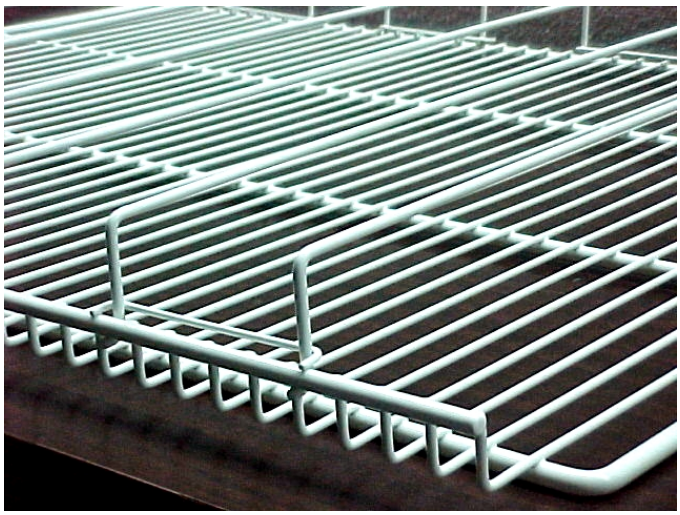


FIGURE D
PROGRAM PLUGS

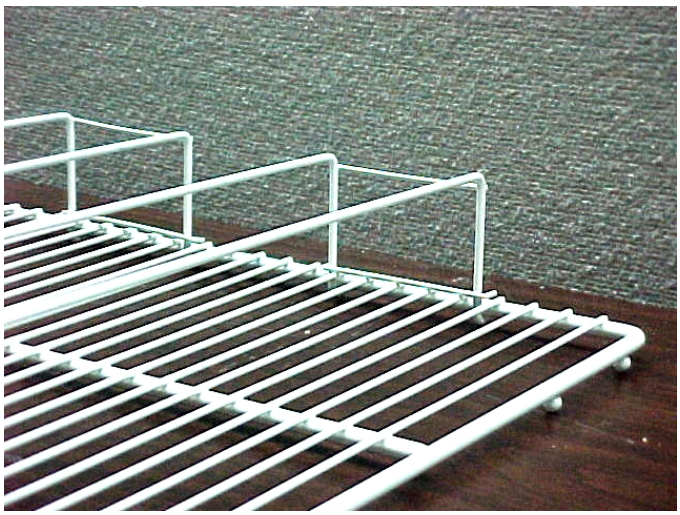
THIS PICTURE SHOWS THE PROGRAM PLUG CONFIGURATION MOST COMMONLY FOUND ON UNITS SHIPPED FROM THE FACTORY

f) SHELF DIVIDERS (optional):

Shelf dividers are provided in a kit. These dividers aid in product presentation by organizing the display. See both figures below concerning the installation of these dividers.



WIRE DIVIDER INSTALLATION
SHELF FRONT
NOTE: LOW STOP BAR



WIRE DIVIDER INSTALLATION
SHELF REAR
NOTE: HIGH STOP BAR

The pictures above show the wire dividers installed in a "flat-shelf" application. If the shelves are used in a "gravity-feed" application, the wire dividers are to be reversed. The low stop bar will be located at the rear of the shelf and the high stop bar is then located at the front of the shelf. Also note that the dividers are adjustable and can be placed on the shelf to accommodate many different package sizes. Equal spacing is shown above.

g) DOOR REMOVAL AND ADJUSTMENT:

SLIDE DOORS - Each door has its own Closing spring located at the top and is positioned for Proper Tension. However, if adjustment is required, remove doors as follows:

i. Locate Door Rollers under slot in top track and lift door off track while tilting door out.
ii. Adjust spring by moving hook to next hole for shortening. If door gaskets do not seal property follow step 1 and 2.

Step 1: Check to see if cabinet is level.
Step 2: Adjust the Location of the door Rollers in the Roller Brackets

h) DOOR LOCKING INSTRUCTION:

To lock doors:

1. Apply key to lock tab protruding from door face,
2. Push key in all the way and turn 1/4 turn to the right (clockwise),
3. Remove key (doors are now locked).

To unlock doors:

1. Insert key into hole and engage tab on plunger,
2. Once tab is completely engaged, push plunger in and turn 1/4 turn to the left (counterclockwise),
3. Remove key (doors are now unlocked).

LOCKED POSITION **UNLOCKED POSITION**

2. OPERATION

a) ELECTRICAL SUPPLLY AND CONNECTIONS:

The frequency and nominal voltage requirements for the unit are specified on the Data Plate. Only plug the unit into a power source that meets these requirements. Low line voltage is often the cause of service complaints. With unit running, check that the line voltage is within + or – 10% of voltage specified on the Data Plate. When working on the unit, including the inside, disconnect from electrical power source. DO NOT USE AN EXTENSION CORD! The use of ungrounded cords or overloaded circuit VOIDS COMPRESSOR WARRANTY!

b) INITIAL START-UP:

Turn power on and check to verify that the condenser fan is running. Case lights are controlled by the switch at the rear of the cabinet.

c) TEMPERATURE CONTROL:

CDR with forced air evaporator - Temperature is controlled with a thermostat that is factory set for optimum temperatures (38^{o}F-40^{o}F). Should adjustment be desired or needed, turn knob no more than one number at a time and check operation for 12 hours. Repeat this procedure as necessary to obtain desired operation. Typical control setting will be between settings of 5 and 6.5. Note: Excessive tampering with temperature control could lead to service difficulties. For operation above 3000-ft. altitude have thermostat adjusted by a qualified service technician.

d) DEFROST SYSTEM:

i. CDR - Defrost occurs during the off cycle and is controlled by the temperature control. A defrost timer is not used.

ii. Condensate disposal - The aluminum pan below the evaporator serves to collect and direct condensate to the condensate pan. Air flow over the pan hastens condensate evaporation so that external drain plumbing is not required.

3. MAINTENANCE

a) CLEANING CABINET EXTERIOR:

Cabinet should be cleaned with a solution of mild soap and water. Do not use caustic soap or abrasive cleaners, since these might damage the cabinet finish. If stainless steel surface becomes discolored, scrub by rubbing only in the direction of the finish grain. Do not use steel wool.

b) CLEANING INTERIOR SURFACES:

Note: Before cleaning interior, disconnect (or unplug) unit from electrical service. To clean, use mild soapy water and cloth or sponge.

c) CONDENSER:

For efficient operation, it is recommended that the condenser coil and fans be cleaned every 3 to 6 months. Disconnect (or unplug) electrical service. Remove front & rear grilles for access. Vacuum and clean front surface of coil thoroughly or direct forced air through condenser fins. Failure to clean condenser can cause compressor malfunction and will VOID WARRANTY!

d) CONDENSATE PAN:

Condensate pan should be cleaned periodically to prevent odors and maintain evaporating efficiency. Remove rear cover for access.

e) FLUORESCENT LAMPS:

Replace fluorescent lamps with the same size and wattage lamp. Do NOT use reduced wattage lamps. The reduced wattage lamps generally fail to operate below 60º F (16º C).

IL-1916B
REV. 'A'
CDR