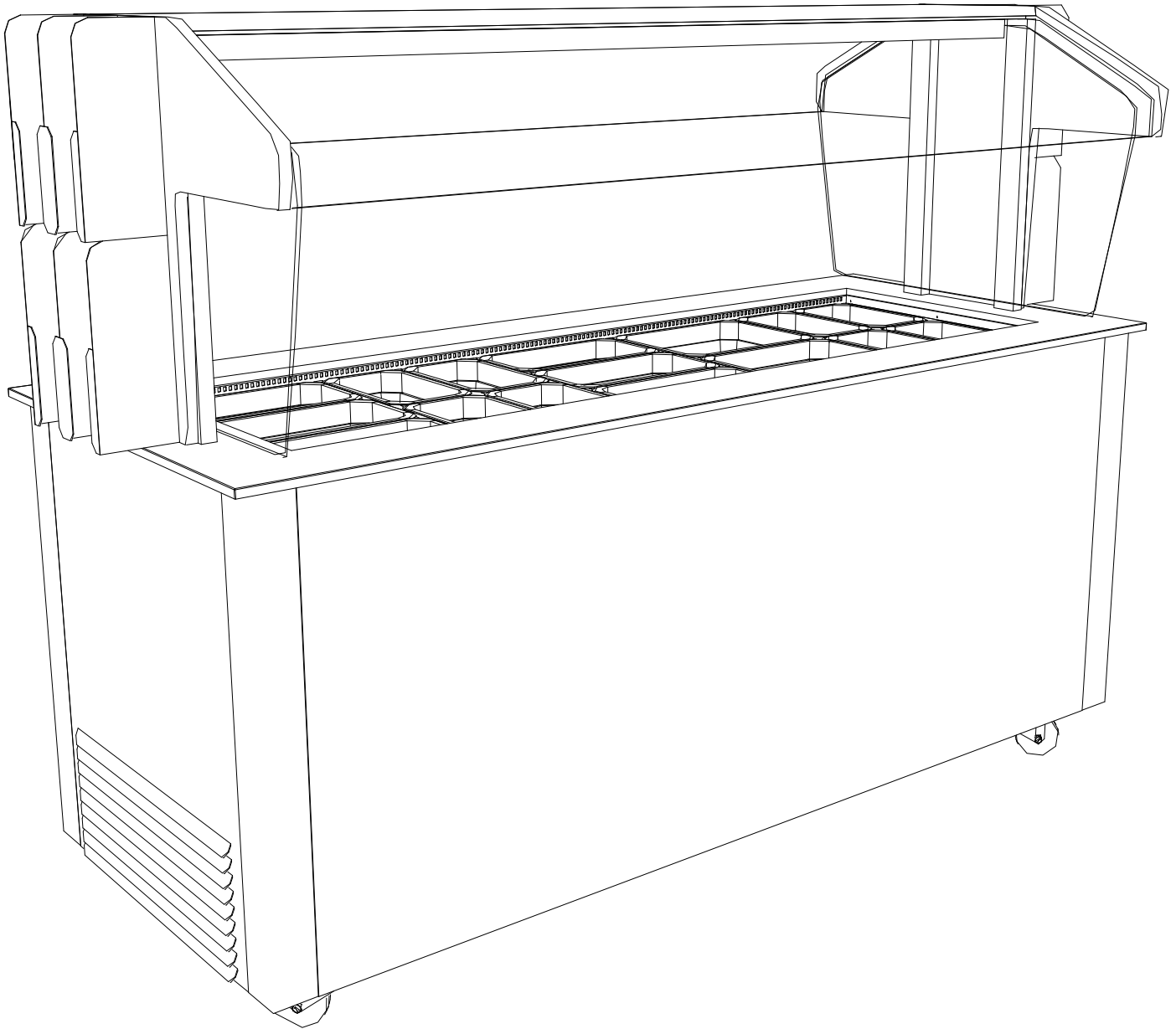




INSTALLATION & OPERATING MANUAL

PN 54257

REFRIGERATED SELF-SERVICE MULTI-PAN OLIVE BAR



Model OB10P.....83 3/8" L* x 36 1/2" D x 60" H~**
*** Includes Dispensers at Each End. 78 1/4" Length at Main Counter Top**
**** Includes Acrylic Sneeze Guard. 32" Depth at Main Counter Top**
~ Includes Casters

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OVERVIEW

- The Structural Concepts Impulse™ refrigerated self-service case is designed to merchandise packaged products at 4° Celsius / 40° Fahrenheit (or less) product temperatures.
- These cases should be installed and operated according to the following instructions to insure proper performance.
- This unit is designed for the display of products in ambient store conditions where temperatures and humidity are maintained at a maximum of 24°C/ 75°F and 55% relative humidity.



WARNING
Risk of Electric Shock.
Disconnect Power Before Servicing Unit



WARNING
Hazardous Moving Parts.
Do Not Operate unit with covers removed.
Fan blades may be exposed when deck panel is removed. Disconnect
power before removing deck panel.



WARNING
Evaporator Tray is Hot

START-UP AND OPERATION

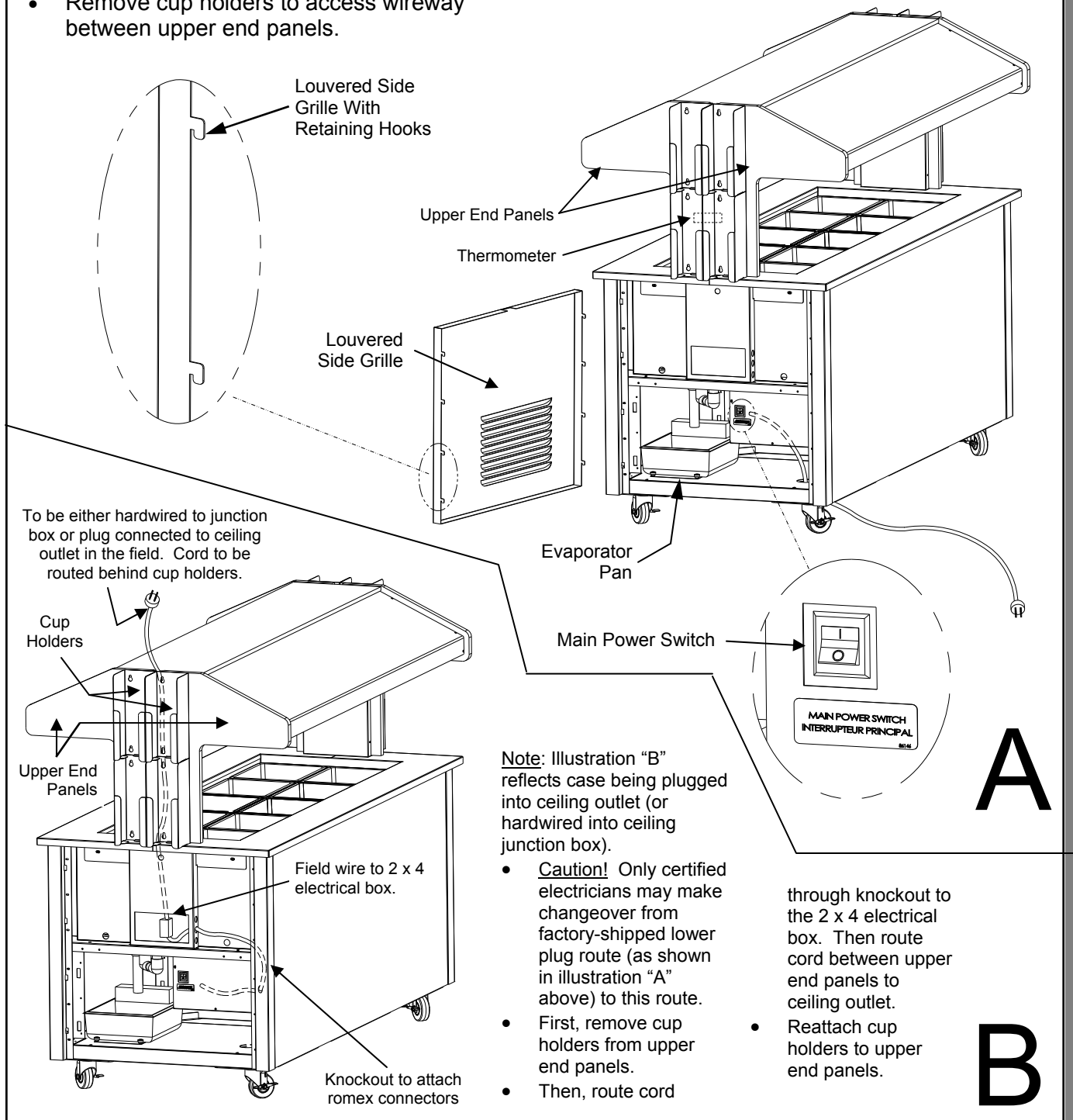
Case Start-Up

⇒ **Note:** Illustration “A” (immediately below) shows standard cord hookup (from case underside).

⇒ If case must be connected to ceiling outlet (or feed), illustration “B” below will apply. **Caution!** Only certified electricians may make changeover from factory-shipped lower plug route to upper route. To do so:

- Remove cup holders to access wireway between upper end panels.

- Electrical box is located at end of case with thermometer (as illustrated below). On that end, remove louvered side grille (lifting retaining hooks up and out of slots).
- Turn off Main Power Switch.
- Follow instructions in “B” section below.
- See next page for location of temperature controller.



To be either hardwired to junction box or plug connected to ceiling outlet in the field. Cord to be routed behind cup holders.

Note: Illustration “B” reflects case being plugged into ceiling outlet (or hardwired into ceiling junction box).

- **Caution!** Only certified electricians may make changeover from factory-shipped lower plug route (as shown in illustration “A” above) to this route.
- First, remove cup holders from upper end panels.
- Then, route cord

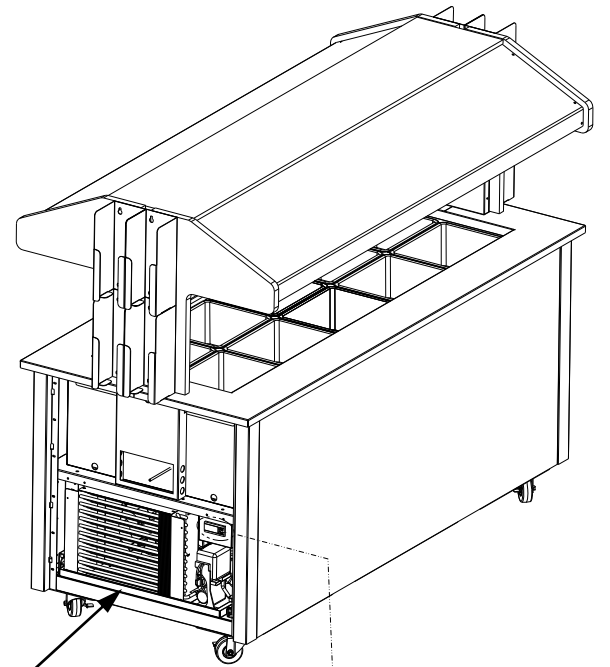
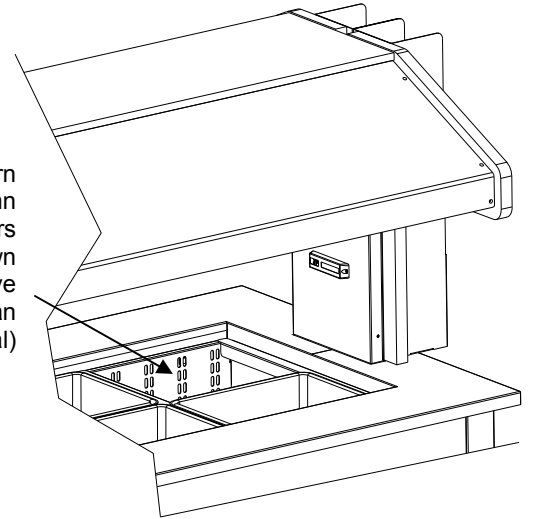
through knockout to the 2 x 4 electrical box. Then route cord between upper end panels to ceiling outlet.

- Reattach cup holders to upper end panels.

Temperature Settings

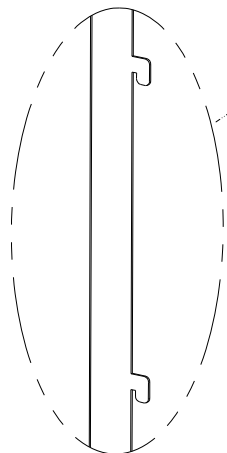
- This case has been tested to maintain a temperature at or below 4° Celsius / 40° Fahrenheit.
- The temperature controller is located at the end of olive bar opposite the thermometer.
- At that end of the case, remove the louvered side grille (lifting retaining hooks up and out of slots). See illustration below.
- At start-up (see previous page for Main Power Switch), evaporator coil fans and compressor motor should turn on.
- Remove several olive pans to check that air is circulating through air return column louvers (along inside edge of olive bar). See illustration at top right for sample location.
- If a temperature setting change is required, refer to the instructions for the Temperature Control Programming operating section of this manual
- When the merchandiser is in a start up mode or has been idle for a long period of time, the unit will require a 30 minute time frame to pull-down to proper temperature.

Air Return
Column
Louvers
(Shown
After Olive
Pan
Removal)

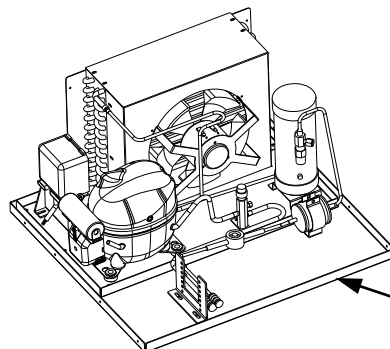


Louvered
Side Grille

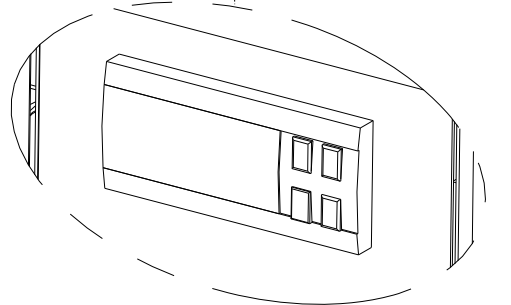
Louvered Side
Grille With
Retaining Hooks



Slide-In
Refrigeration
Assembly



Refrigeration
Assembly Slid Out
and Rotated for
Illustrative Purposes



Temperature
Controller

Standard Fluorescent Style Light Fixtures

When Olive Bar is plugged in properly and Main Power Switch is turned on, turn on light switch under canopy (see illustration at right).

Lights Will Turn On

- The lights should illuminate immediately. However, first time lighting may require a short warm-up period for the bulbs.
- Slightly dim or a flickering of new bulbs is normal.

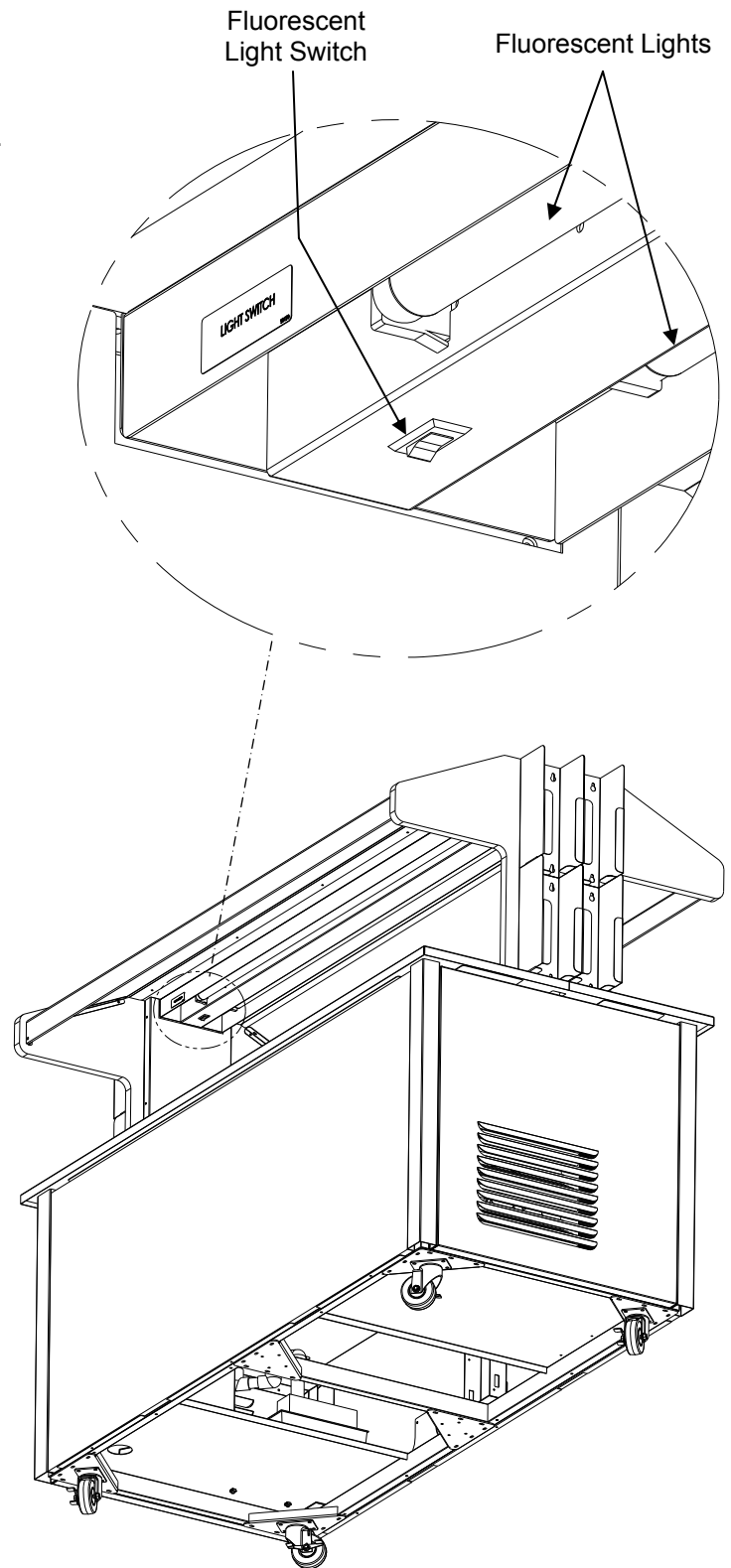
Lamp Removal / Lamp Installation

Removal of lamps:

- Grasp lamp firmly and carefully pull downward and out from socket.
- See photos at mid-right.

Installation of lamp:

- Align pins with slot.
- Insert pins into socket and push upward into place.
- See photos below.



Evaporator Coil Access

Access to Evaporator Coil for Cleaning and/or Servicing

- No tools are required.
- Remove condiment pans.
- Remove condiment pan dividers.
- Remove decking along entire case length (three sections).
- Replace the pieces in reverse order they were removed.
- See next page for instructions on removing air return panels up and away from upright.

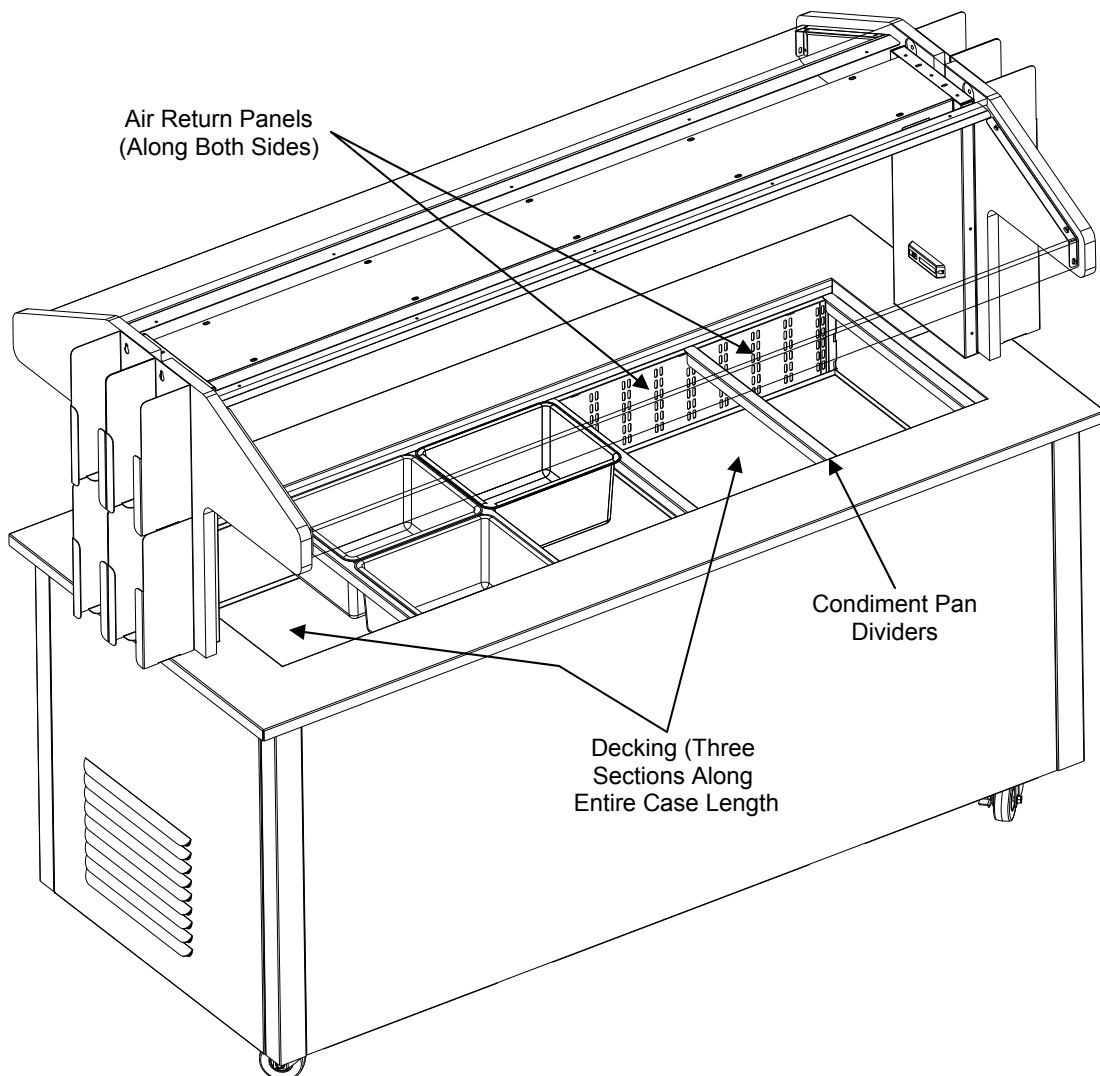
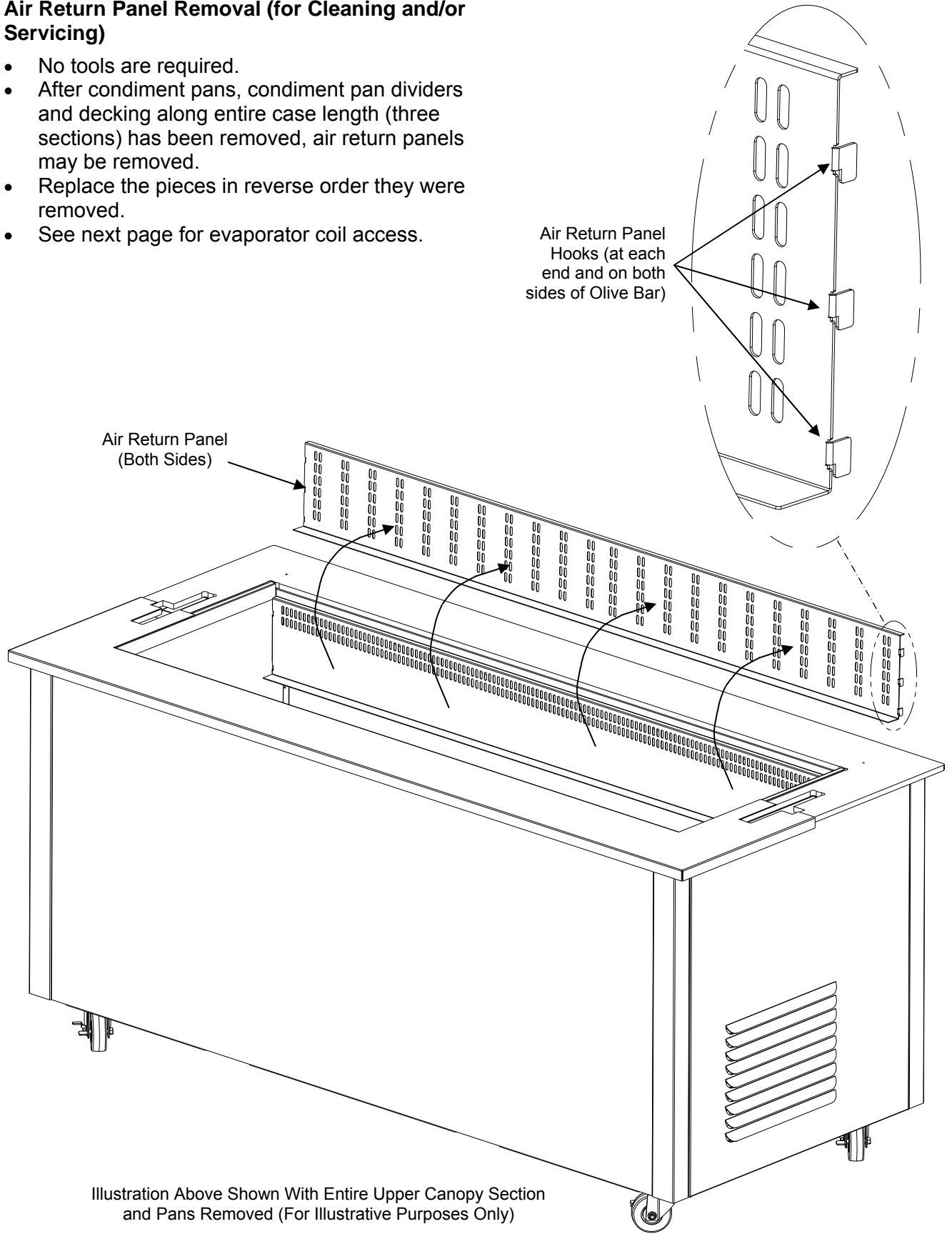


Illustration Above Shown With Several Condiment Pans Removed (For Illustrative Purposes)

Air Return Panel Removal (for Cleaning and/or Servicing)

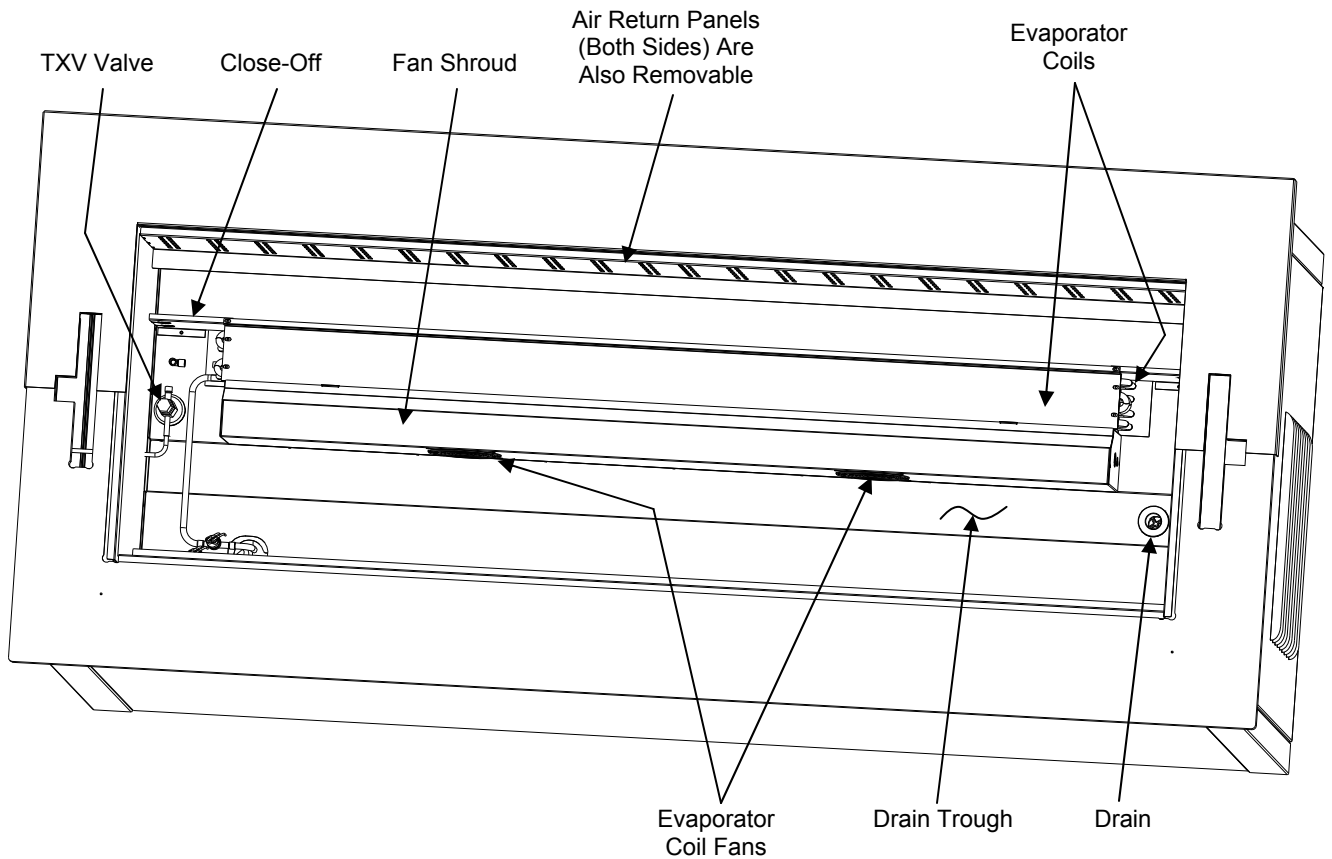
- No tools are required.
- After condiment pans, condiment pan dividers and decking along entire case length (three sections) has been removed, air return panels may be removed.
- Replace the pieces in reverse order they were removed.
- See next page for evaporator coil access.



Evaporator Coil Access, Continued

Access to Evaporator Coil for Cleaning and/or Servicing, Continued

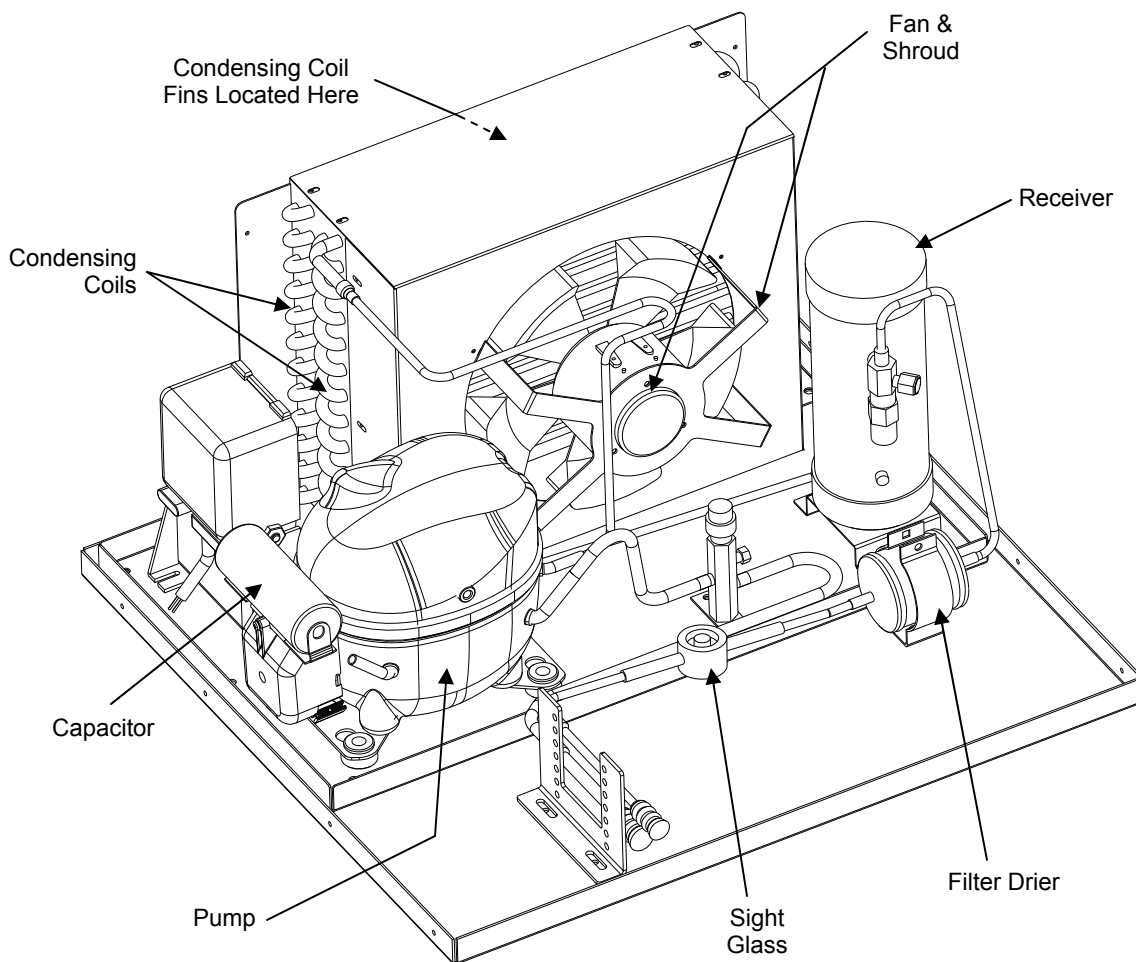
- Illustration below shows view of case after condiment pan dividers & decking have been removed.
- Note: The air return panels are also removable for cleaning (as shown on previous sheet).



Refrigeration Access, Connections & Servicing




Assembly / disassembly / servicing to be accomplished by licensed refrigeration contractor.

- The following images show the various parts pertaining to the Refrigeration Assembly (that is slid directly out from end of Olive Bar) to be serviced.
- See Cleaning Schedule section in this manual for cleaning procedure.
- Note: Illustrations may not exactly reflect your particular model or case.






Serial Label Location & Information Listed / Technical Information & Service

- Serial labels are located near the electrical access on your case.
- Serial labels contain electrical, temperature & refrigeration information, as well as regulatory standards to which the case conforms.
- For additional technical information and service, see the *TECHNICAL SERVICE* page in this manual for instructions on contacting Structural Concepts' Technical Service Department.
- See images below for samples of both refrigerated and non-refrigerated serial labels.

 <p>888 E. Porter Rd · Muskegon, MI 49441</p>		 <p>MODEL HV74RSS SCROLL SERIAL NO.</p>	
<p>FOR PARTS AND SERVICE CALL 1-800-433-9489</p>			
 <p>3048256</p>		<p>ELECTRICAL RATING</p>	<p>120/1/60 24A</p>
<p>CONFORMS TO UL STD 471</p>		<p>REFRIGERANT</p>	<p>R404A AMOUNT ?? OZ</p>
<p>CONFORMS TO NSF STD 7</p>		<p>DESIGN PRESSURE</p>	<p>HIGH 450 LOW 200</p>
<p>CERTIFIED TO CAN/CSA STD C22.2 NO 120</p>		<p>MINIMUM CIRCUIT</p>	<p>30A</p>
		<p>MAXIMUM OVERCURRENT</p>	<p>30A</p>
<p>Super Heat Temp</p>		<p>8-10°F</p>	
<p>BTUH Requirements</p>		<p>9,738 BTUH @ 20° F SST</p>	
<p>Defrost</p>		<p>6 defrosts per day, 45° F termination, 45 min. failsafe</p>	

----- Sample Serial Label For Refrigerated Case -----

 <p>888 E. Porter Rd · Muskegon, MI 49441</p>		 <p>PC5682 txtRemote</p>	
 <p>3048256</p>		<p>120 VOLTS 60 HZ SINGLE PHASE 1.84AMP</p>	<p>txtSerialNumber</p>
<p>CONFORMS TO UL STD 65</p>		<p>FOR PARTS OR SERVICE CALL</p>	
<p>CERTIFIED TO CAN/CSA</p>		<p>STRUCTURAL CONCEPTS</p>	
<p>STD C22.2 NO 120</p>		<p>AT</p>	
		<p>1-800-433-9489</p>	
		<p>N/A</p>	

SAMPLE ONLY

----- Sample Serial Label For Non-Refrigerated Case -----

TROUBLESHOOTING

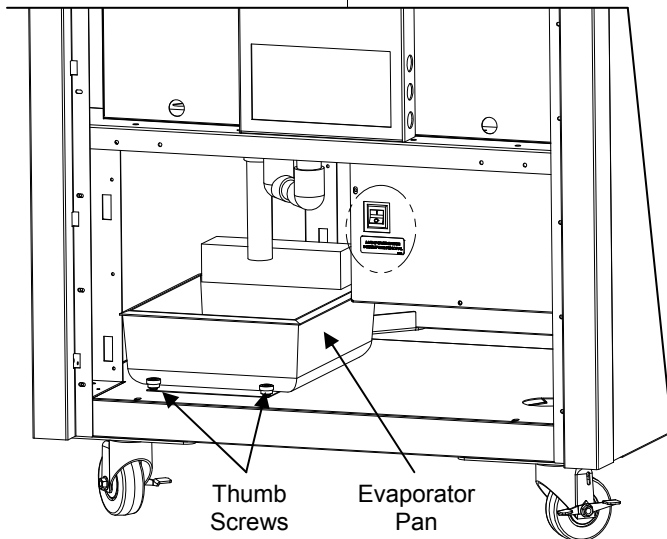
Product is Drying Out	Check the relative humidity in the store.
Water on the Floor	Check that all of the hoses are connected.
	Check that the drain trap is free of debris.
Excessive Fan Noise	Check that the case is aligned properly.
	Check that nothing is obstructing the blade rotation.
	Check that the fan shroud is properly secured.
System Is Not Operating	Confirm the utility power is on.
	Check that the MAIN power switch is on.
	Check that the unit is properly plugged in.
	Check the circuit breaker box for tripped circuits.
Fans Not Working	Check that the MAIN power switch is on.
	Determine if there is ice build up blocking the fan.
Condensing Unit Not Operating	<i>LED dF</i> flashing. See the Temperature Controller section in this manual for specifics on temperature controller codes.
	Check that the power is turned on.
	Review factory time settings on the temperature controller.
Alarm Going Off	<i>See Temperature Controller Section in this manual for specifics on controller codes.</i>
Not Holding Temperature	If a large amount of warm product was added to the case, it will take time for the temperature to adjust.
	The temperature will change during defrost mode but will return to normal.
	Check the evaporator coil for ice build up (can be viewed from fan shroud inspection cover).

CLEANING SCHEDULE

Cleaning	Daily	Weekly	Monthly	Task
Clean Case Exterior	X			<u>Wood, laminate, painted & metal surfaces:</u> Clean with a mild soap and water solution and a soft cloth.
	X			<u>Acrylic (Sneeze Guard):</u> Clean with a warm water and mild soap solution and soft cloth. NEVER use ammonia-based cleaners on acrylic.
	X			<u>Pans:</u> Remove and wash with a warm water and mild soap solution. Thoroughly dry and return to olive bar.
		X		<u>Pan Dividers:</u> After removing pans (for daily cleaning, remove pan dividers. Wash with a warm water and mild soap solution.
		X		<u>Under Case Cleaning:</u> Use a vacuum or broom to clean up any dirt, dust, or food that can collect under the case. While cleaning, avoid creating airborne dust that can contaminate olive bar (or surrounding) food items).
Clean Case Interior		X		<u>Tub/trough area under deck:</u> <ul style="list-style-type: none"> • See Refrigeration Fundamentals section in this manual for instructions on accessing this area. • See next page for specifics on complete tub/trough flushing. • First, use a soap and water solution and soft cloth to wipe up any grime, debris, food particles or residue that can collect in the tub/trough area. • Thoroughly clean drains of debris which can clog the drain and rob the case of needed refrigeration. • Then, use a warm water and mild “grease-cutting” soap and water solution and a soft cloth to wipe down area to clean dirt, oil and residue from area. Dry thoroughly.

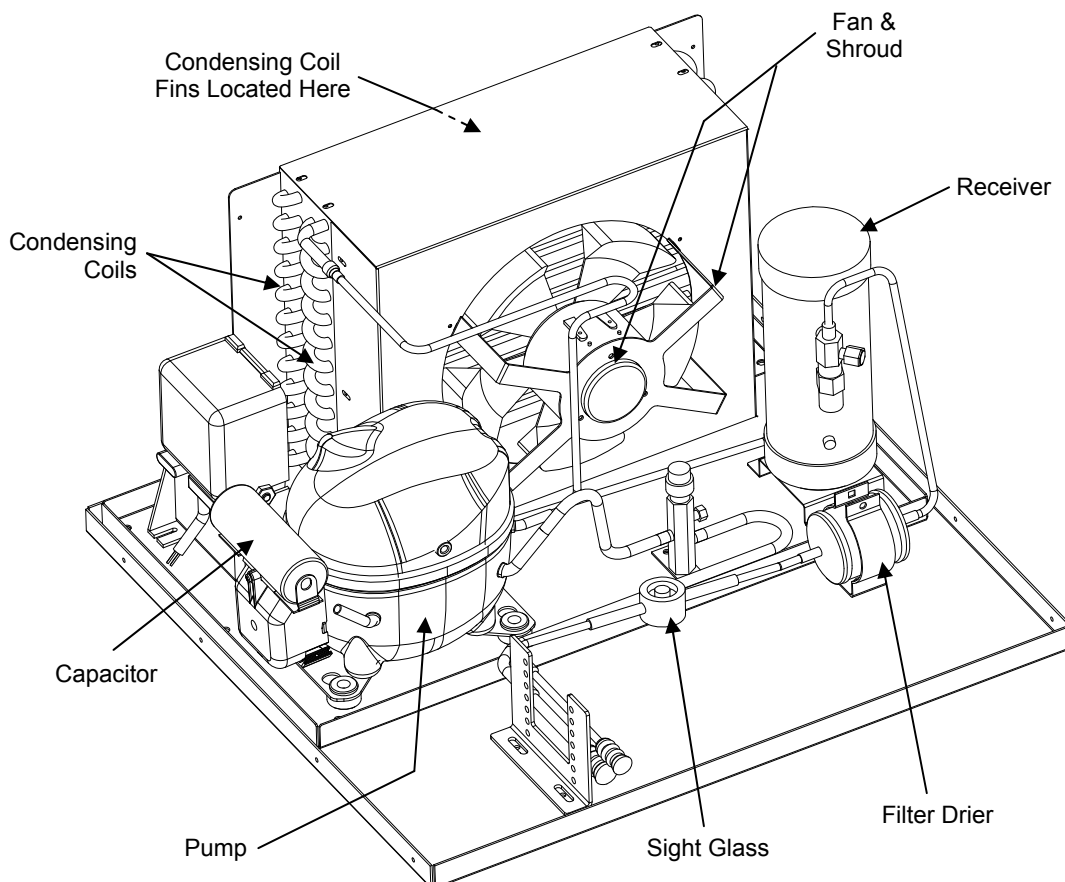
CLEANING SCHEDULE, CONTINUED

Cleaning	Monthly	Task
Clean Case Interior	X	<p><u>Flush out tub/trough area under deck:</u></p> <ul style="list-style-type: none"> • See Refrigeration Fundamentals section in this manual for instructions on accessing this area. • First, use a soap and water solution and a soft cloth to pick up any grime, debris, food particles or residue that can collect in the tub/trough area. • Thoroughly clean drains of debris which can clog the drain and rob the case of needed refrigeration. • <i>Caution! Shut off main power before proceeding! See Case Startup and Operation section in this manual for specifics.</i> • Access Evaporator Pan area (see Case Startup and Operation section in this manual for specifics). • Disconnect Evaporator Pan electrical connection from Receptacle Box by removing the thumbscrews holding evaporator pan in place. Remove the evaporator pan and place an empty bucket below drain. • See illustration at lower left. • Then, use a bucket of warm water and mild “grease-cutting” soap and water solution and a soft cloth to wipe down area of dirt, oil and residue from area. • Allow water to flow into bucket that has been placed below drain. • Dry thoroughly. • Before replacing evaporator pan, determine whether evaporator pan should be cleaned. • If so, use wet/dry vacuum to clean dust, grime and residue that can collect. For stubborn “caked on” residue, use a de-scaling solution, such as CLR®. • After cleaning, rinse thoroughly. However, DO NOT submerge in water. • Replace evaporator pan and tighten thumbscrews to firmly hold pan in place. • See next page for additional monthly cleaning (of refrigeration package).



CLEANING SCHEDULE, CONTINUED

Cleaning	Quarterly	Task
Clean Case Interior	X	<ul style="list-style-type: none"> • Caution! Make sure power has been turned off and unit unplugged before cleaning refrigeration package. • Remove rear panel and slide refrigeration assembly out from under case (see Refrigeration Fundamentals section in this manual for instructions). • Using an industrial strength vacuum (and attached brush), carefully clean condenser coil and coil fins. • Using a mild soap and water solution and a soft cloth, clean dust and dirt that collects on refrigeration package parts. • Caution! Be careful not to damage the fins on the coil. • While refrigeration assembly is pulled out, use a vacuum with a hose attachment to clean area. • Replace refrigeration assembly in reverse order it was removed.



CAREL

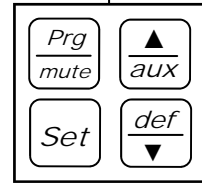
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Programming The Instrument

How To Modify The Setpoint

Set Press and hold the "SET" key for at least 1 second.



How To Modify The Defrost, Differential Or Other Parameters

Prg/mute **Set** 1. Press & hold "Prg" and "SET" keys together for at least 5 seconds; the display will show the number "0", representing the password prompt.

Set 2. Confirm by pressing "SET" key.

▲/aux **def** 3. Press ▲ or ▼ to reach the category to be modified.

Set 4. Press "SET" to modify this selected parameter.

▲/aux **def** 5. Increase or decrease the value using the ▲ or ▼ button respectively.

Set 6. Press the "SET" key to temporarily save the new value and return to the display of the parameter.

Prg/mute 7. Press & hold the "Prg" key for at least 5 seconds to save changes. This action will also mute the audible alarm (buzzer) & deactivate the alarm relay.

How To Change Reading From Fahrenheit (°F) To Celsius (°C)

Prg/mute **Set** 1. Press and hold "Prg" and "SET" keys together for at least 5 seconds; display will show "0", representing password prompt.

Set 2. Confirm by pressing "SET" key.

▲/aux **def** 3. Press ▲ or ▼ until reaching the parameter "/ 5".

Set 4. Press "SET" to modify this selected parameter.

▲/aux **def** 5. Press ▲ or ▼ to change value to desired setting: "0" for Celsius (°C) or "1" for Fahrenheit (°F).

Set 6. Press "SET" key to temporarily save the new value and return to the display of the parameter.

Prg/mute 7. Press & hold "Prg" key for at least 5 seconds to save changes. **Note! All values will automatically convert to new scale. No conversion is required.**

Warning! Save Your Parameter Settings!

1. To store the new parameter values, PRESS and HOLD the "Prg" key for at least 5 seconds.
2. All modifications made to parameters will be lost if you do NOT press a button within 60 seconds. Should this "timeout" occur, normal operational settings (prior to modifications being made) will resume.
3. If the instrument is switched off before pressing the "Prg" key, all modifications to parameters will be lost.

How To Activate Manual Defrost

def Press and hold the "def" key for at least 5 seconds.

How To Activate / Deactivate Auxiliary Output

▲/aux Press and hold the "aux" key for at least 1 second.

How To Reset Any Alarms With Manual Reset

Prg/mute **▲/aux** Press and hold the "Prg" and "aux" key for at least 1 second.

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User Interface - Display

ICON	FUNCTION	DESCRIPTION	ON	Normal operation OFF	BLINK	Start up
	COMPRESSOR	ON when the compressor starts. Flashes when the activation of the compressor is delayed by safety times.	Compressor on	Compressor off	awaiting activation	
	FAN	ON when the fan starts. Flashes when the activation of the fan is prevented due to external disabling or procedures in progress.	Fan on	Fan off	awaiting activation	
	DEFROST	ON when the defrost is activated. Flashes when the activation of the defrost is prevented due to external disabling or procedures in progress.	Defrost in progress	Defrost not in progress	awaiting activation	
	AUX	Flashes if the anti-sweat heater function is active, ON when the auxiliary output (1 and/or 2) selected as AUX (or LIGHT in firmware version 3.6) is activated.	AUX auxiliary output active (version 3.6 light auxiliary output active)	AUX auxiliary output not active	Anti-sweat heater function active	
	ALARM	ON following pre-activation of the delayed external digital input alarm. Flashes in the event of alarms during normal operation (e.g. high/low temperature) or in the event of alarms from an immediate or delayed external digital input.	Delayed external alarm (before the time 'A7' elapses)	No alarm present	Alarms in norm. operation (e.g. High/low temperature) or immediate or delayed alarm from external digital input	
	CLOCK	ON if at least one timed defrost has been set. At start-up, comes ON for a few seconds to indicate that the Real Time Clock is fitted.	If at least 1 timed defrost event has been set	No timed defrost event set	Alarm clock	ON if real-time clock present
	LIGHT	Flashes if the anti-sweat heater function is active, ON when the auxiliary output (1 and/or 2) selected as LIGHT is activated (in firmware version 3.6 it does not flash in anti-sweat heater mode and comes on when the dead band output is active).	Light auxiliary output on (version 3.6 dead band auxiliary output active)	Light auxiliary output off	Anti-sweat heater function active (version 3.6 does not flash in anti-sweat heater mode)	
	SERVICE	Flashes in the event of malfunctions, for example E2PROM errors or probe faults.		No malfunction	Malfunction (e.g. E2PROM error or probe fault). Contact service	
	CONTINUOUS CYCLE	ON when the CONTINUOUS CYCLE function is activated. Flashes if the activation of the function is prevented due to external disabling or procedures in progress (E.g.: minimum compressor OFF time).	CONTINUOUS CYCLE operation activated	CONTINUOUS CYCLE function not activated	CONTINUOUS CYCLE operation requested	

Summary Table of Alarm and Signals: Display, Buzzer and Relay

Code	Icon on the display	Alarm relay	Buzzer	Reset	Description
rE	flashing	on	on	automatic	virtual control probe fault
E0	flashing	off	off	automatic	room probe S1 fault
E1	flashing	off	off	automatic	defrost probe S2 fault
E2	flashing	off	off	automatic	probe S3 fault
E3	flashing	off	off	automatic	probe S4 fault
E4	flashing	off	off	automatic	probe S5 fault
'	No	off	off	automatic	probe not enabled
LO	flashing	on	on	automatic	low temperature alarm
HI	flashing	on	on	automatic	high temperature alarm
AFr	flashing	on	on	manual	antifreeze alarm
IA	flashing	on	on	automatic	immediate alarm from external contact
dA	flashing	on	on	automatic	delayed alarm from external contact
dEF	on	off	off	automatic	defrost running
Ed1	No	off	off	automatic/manual	defrost on evaporator 1 ended by timeout
Ed2	No	off	off	automatic/manual	defrost on evaporator 2 ended by timeout
Pd	flashing	on	on	automatic/manual	maximum pump down time alarm
LP	flashing	on	on	automatic/manual	low pressure alarm
AtS	flashing	on	on	automatic/manual	autostart in pump down
cht	No	off	off	automatic/manual	high condenser temperature pre-alarm
CHT	flashing	on	on	manual	high condenser temperature alarm
dor	flashing	on	on	automatic	door open too long alarm
EE	flashing	off	off	automatic	E2prom error, unit parameters
EF	flashing	off	off	automatic	E2prom error, operating parameters
ccb	Signal				start continuous cycle request
ccE	Signal				end continuous cycle request
dFb	Signal				start defrost call
dFE	Signal				end defrost call
On	Signal				switch ON
off	Signal				switch OFF
rES	Signal				reset alarms w/manual reset / reset HACCP alarms / reset temp. monitoring

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Summary Table of Operating Parameters

CODE	PARAMETER	UOM*	TYPE	MINIMUM	MAXIMUM	DEFAULT
/5	Select Celsius (°C) or Fahrenheit (°F)	flag	C	0	1	For Case Specific Defaults See Serial Label Located Near Electrical Access On Your Case. For Additional Technical Information Call Structural Concepts Technical Service Dept. at 1(800) 433.9489
/c1	Calibration of probe 1	°C/°F	C	-20	20	
/c2	Calibration of probe 2	°C/°F	C	-20	20	
St	Temperature set point	°C/°F	F	r2	r1	
rd	Control delta	°C/°F	F	20	0.1	
dl	Interval between defrosts	hours	F	0	250	
dt1	End defrost temperature, evaporator	°C/°F	F	-50	200	
dP1	Maximum defrost duration, evaporator	min	F	1	250	
d6	Display on hold during defrost	-	C	0	2	
dd	Dripping time after defrost	min	F	0	15	
d/1	Display of defrost probe 1	°C/°F	F	-	-	

* Unit Of Measure

WARRANTY

All sales by Structural Concepts Corporation (SCC) are subject to the following limited warranty. "Goods" refers to the product or products being sold by SCC.

Warranty; Remedies; Limitations. SCC warrants that if any Goods are found by an authorized representative of SCC not to be of good material or workmanship within one year of the date of shipments SCC will, at its option after inspection by an authorized representative, replace any defective Good or pay the reasonable cost of replacement for any such defective Goods, provided that written notice of the defect is given to SCC within 30 days of the appearance of such defect. If notice is not given within such period, any claim for breach of warranty shall be conclusively deemed to have been waived and SCC shall not be liable under this warranty. If SCC is unable to repair or replace the defective Goods, SCC shall issue a credit to the Purchaser for all or part of the purchase price, as SCC shall determine. The replacement or payment in the manner described above shall be the sole and exclusive remedy of Purchaser for a breach of this warranty. If any Goods are defective or fail to conform to this warranty, SCC will furnish instructions for their disposition. No Goods shall be returned to SCC without its prior consent.

SCC's liability for any defect in the Goods shall not exceed the purchase price of the Goods. SCC SHALL HAVE NO LIABILITY TO PURCHASE FOR CONSEQUENTIAL DAMAGES OF ANY KIND WHATSOEVER, INCLUDING, BUT NOT LIMITED TO, PERSONAL INJURY, PROPERTY DAMAGE, LOST PROFITS, OR OTHER ECONOMIC INJURY DUE TO ANY DEFECT IN THE GOODS OR ANY BREACH OF SCC, SCC SHALL NOT BE LIABLE TO THE PURCHASER IN TORT FOR ANY NEGLIGENT DESIGN OR MANUFACTURE OF THE GOODS, OR FOR THE OMISSION OF ANY WARNING THEREFROM.

SCC shall have no obligation or liability under this warranty for claims arising from any other party's (including Purchaser's) negligence or misuse of the Goods or environmental conditions. This warranty does not apply to any claim or damage arising for or caused by improper storage, handling, installation, maintenance, or from fire, flood, accidents, structural defects, building settlement or movement, acts of God, or other causes beyond SCC's control.

Except as expressly stated herein, SCC makes no warranty, express, implied, statutory or otherwise as to any parts or goods not manufactured by SCC. SCC shall warrant such parts or Goods only (I) against such defects, (II) for such periods of time, and (III) with such remedies, as are expressly warranted by the manufacturer of such parts or Goods. Notwithstanding the foregoing, any warranty with respect to such parts or Goods and any remedies available as a result of a breach thereof shall be subject to all of the procedures, limitations, and exclusions set forth herein.

THE WARRANTIES HEREIN ARE IN LIEU OF ALL WARRANTIES, EXPRESS, IMPLIED, STATUTORY, OR OTHERWISE. IN PARTICULAR, SCC MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

No representative, agent or dealer of SCC has authority to modify, expand, or extend this Warranty, to waive any of the limitations or exclusions, or to make any different or additional warranties with respect to Goods.

Period of Limitations. No claim, suit or other proceeding may be brought by Purchaser for any breach of the foregoing warranty or this Agreement by SCC or in any way arising out of this Agreement or relating to the Goods after one year from the date of the breach. In the interpretation of this limitation on action for a breach by SCC, it is expressly agreed that there are no warranties of future performance of the goods that would extend that period of limitation herein contained for bringing an action.

Indemnifications. Purchaser agrees to indemnify, hold harmless, and defend SCC if so requested, from any and all liabilities, as defined herein, suffered, or incurred by SCC as a result of, or in connection with, any act, omission, or use of the Goods by Purchaser, its employees or customers, or any breach of this Agreement by Purchaser. Liabilities shall include all costs, claims, damages, judgments, and expenses (including reasonable attorney fees and costs).

Remedies of SCC. SCC's rights and remedies shall be cumulative and may be exercised from time to time. In a proceeding or action relating to the breach of this Agreement by Purchaser, Purchaser shall reimburse SCC for reasonable costs and attorney's fees incurred by SCC. No waiver by SCC of any breach of Purchaser shall be effective unless in writing nor operate as a waiver of any other breach of the same term thereafter. SCC shall not lose any right because it has not exercised it in the past.

Applicable Law. This Agreement is made in Michigan and shall be governed by and interpreted according to Michigan law. Any lawsuit arising out of this Agreement or the Goods may be handled by a federal or state court whose district includes Muskegon County, Michigan, and Purchaser consents that such court shall have personal jurisdiction over Purchaser.

Miscellaneous. If any provision of this Agreement is found to be invalid or unenforceable under any law, the provision shall be ineffective to that extent and for the duration of the illegality, but the remaining provisions shall be unaffected. Purchaser shall not assign any of its rights nor delegate any of its obligations under this Agreement without prior written consent of SCC. This Agreement shall be binding upon and inure to the benefit of SCC and Purchaser and each of their legal representatives, successors and assigns.

SCC warrants its products to be free of defects in materials and workmanship under normal use and service for a period of one (1) year from the date of delivery.

This warranty is extended only to the original purchaser for use of the Goods. It does not cover normal wear parts such as plastic tongs, tong holders, tong cables, bag holders, or acrylic dividers.

General Conditions. All service labor and/or parts charges are subject to approval by SCC. Contact the Customer Service Department in writing or call 231-798-8888.

All claims must contain the following information: (1) the model and serial code number of the equipment; (2) the date and place of installation; (3) the name and address of the agency which performed the installation; (4) the date of the equipment failure; and (5) a complete description of the equipment failure and all circumstances relating to that failure.

Once the claim has been determined to be a true warranty claim by SCC's Customer Service Department, the following procedure will be taken: (1) replacement parts will be sent at no charge from SCC on a freight prepaid basis; (2) reimbursement for service labor will be paid if the following conditions have been met— (a) prior approval of service agency was awarded from the Customer Service Department; and (b) an itemized statement of all labor charges incurred is received by the Customer Service Department. The cost of the service labor reimbursement will be based on straight time rates and reasonable time for the repair of the defect.

If problems occur with any compressor, notify SCC's Customer Service Department immediately. Any attempt to repair or alter the unit without prior consent from the Customer Service Department will render any warranty claim null and void. This warranty and protection plan does not apply to any condensing unit or any part thereof which has been subject to accident, negligence, misuse, or abuse, or which has not been operated in accordance with the manufacturer's recommendations or if the serial number of the unit has been altered, defaced, or removed.

Limit of Liability. The limit of liability of SCC toward the exchange cost of the original condensing unit, F.O.B. SCC, Norton Shores, MI, of each motor-compressor assembly replaced during the warranty shall not exceed manufacturer's current established wholesaler's exchange price and in no case shall the labor of removing or replacing the motor-compressor or parts thereof be the responsibility of SCC.

**STRUCTURAL CONCEPTS CORPORATION
TECHNICAL SERVICE DEPARTMENT
1.800.433.9489**