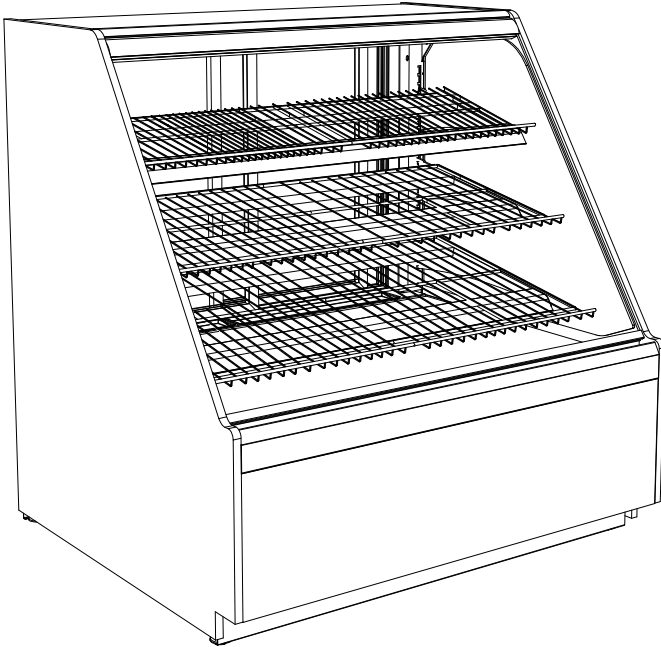


ENCORE[®]
SERIES

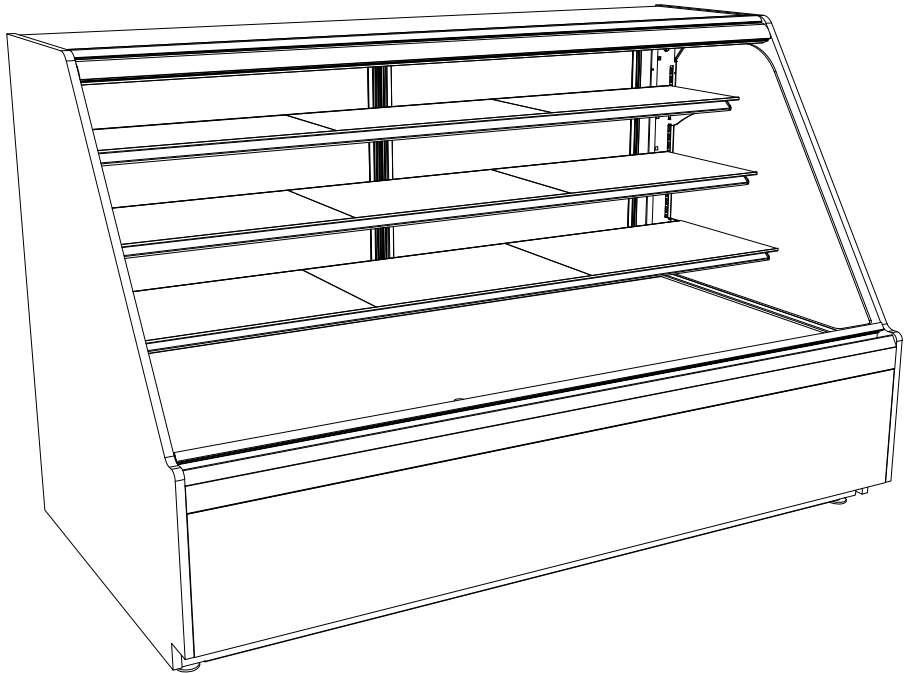
INSTALLATION & OPERATING MANUAL

PN 54124

“K-SERIES” NON-REFRIGERATED BAKERY MERCHANDISER



Model HVK48
Standard Display Case
4 Display Levels [3 Wire Rack
Shelves and 1 Bottom Deck]



Model HVK74
Optional Display Case
4 Display Levels [3 Glass Shelves
and 1 Bottom Deck]

Model HVK48.....	50”L* x 42”D x 51 1/4”H~
Model HVK74.....	76”L* x 42”D x 51 1/4”H~

**Includes 1” End Panels ~Levelers Extended 1 1/2” Below Base Frame*



Structural

Concepts

888 Porter Rd. Muskegon, MI 49441 Phone: 231.798.8888 Fax: 231.798.4960 www.structuralconcepts.com

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OVERVIEW

The Structural Concepts Encore “K-Series” Non-Refrigerated Bakery Merchandiser is designed to merchandise packaged products at ambient product temperatures.

- These cases should be installed and operated according to this manual's 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 75°F and 55% relative humidity.



WARNING
Risk of Electric Shock.
Disconnect Power Before Servicing Unit

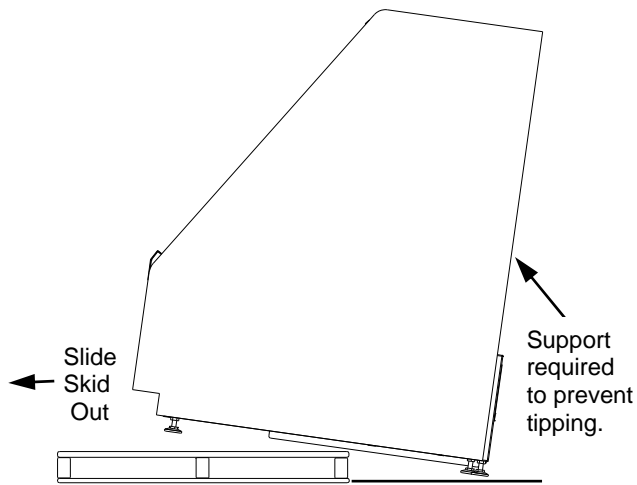


CAUTION
Lamps have been treated to resist breakage and must be replaced with a similarly treated lamp.

INSTALLATION

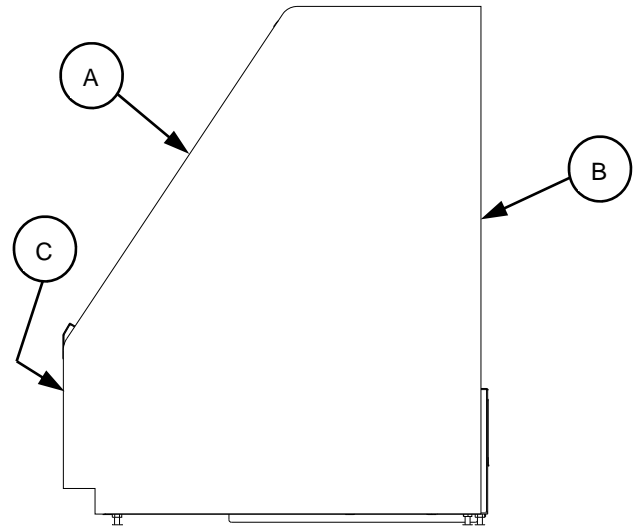
Installation

Note: Units shown may not depict an exact representation of your particular unit being installed.



1. Remove Unit From Skid

Caution: case must always remain supported or center of gravity will allow case to fall. Slide unit to rear of skid and tip backward off skid.

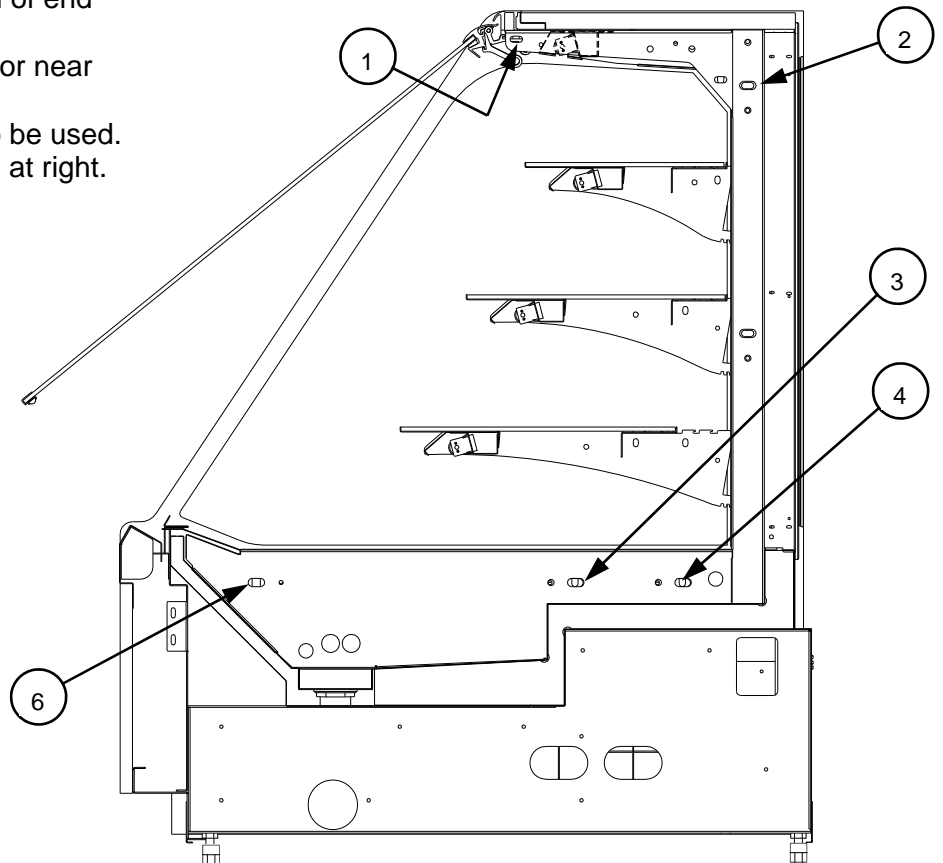


2. Position Units

Position Units. Align multiple units carefully in areas A, B, and C.

3. Bolting Adjoined Units

- View shown is after removal of end panel.
- Units are bolted together at or near locations shown below.
- 1/4-20 x 1" bolts and nuts to be used.
- Self-Contained Case shown at right.



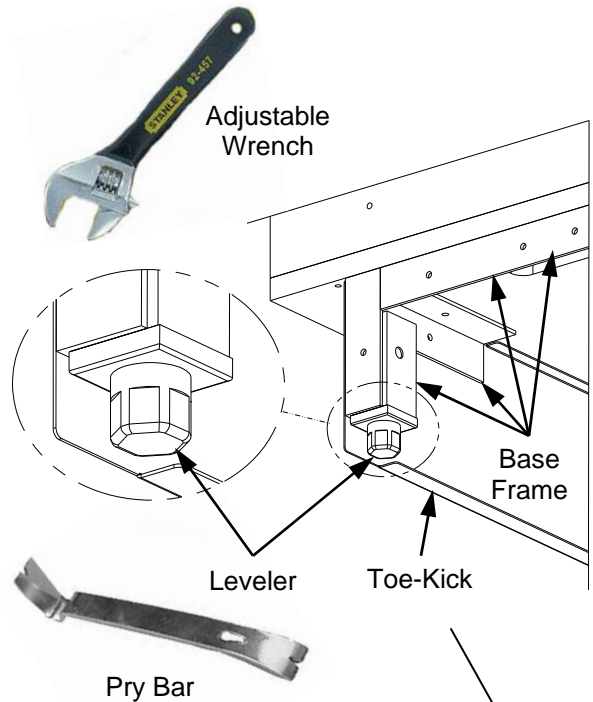
Setting The Case With Levelers:

Note: Below illustrations may not exactly reflect every feature or option of your particular case.

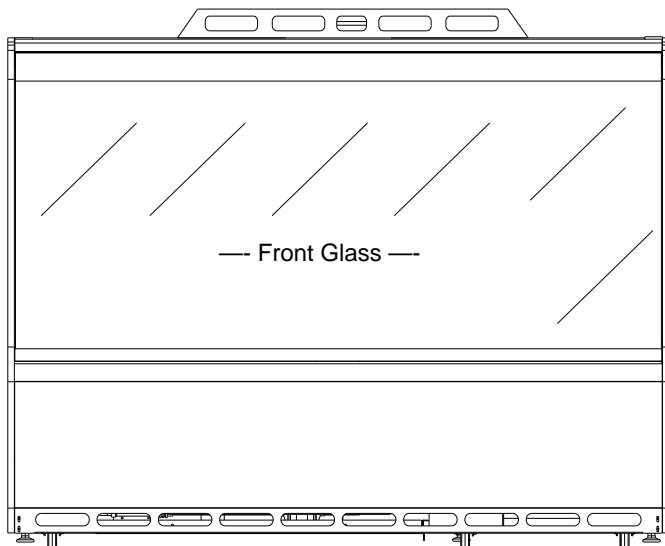
- **Illustration #1, at top-right** shows adjustable wrench and general instructions.
- Begin with all feet touching the floor, so that the Case does not wobble when the Front Glass is closed.
- Side-to-side: Place a level on top of display case (parallel to the front glass). Raise or lower either side of the case by rotating the levelers to center the level bubble. **See illustration #2, below left.**
- Front-to-back: Place a level on top of the case, perpendicular to the front glass, and follow the same procedure. **See illustration #3, below right.**
- Double-check the level again, side-to-side.
- The Front Glass should be evenly spaced (approximately 1/8") from the sides of the case. **See illustration #4a & 4b, on next page.**
- If Front Glass is NOT properly aligned, continue with Alignment instructions, on next page. **See illustration #5a & 5b, on next page.**

1. After Case is properly positioned, raise (or lower) levelers with adjustable wrench.

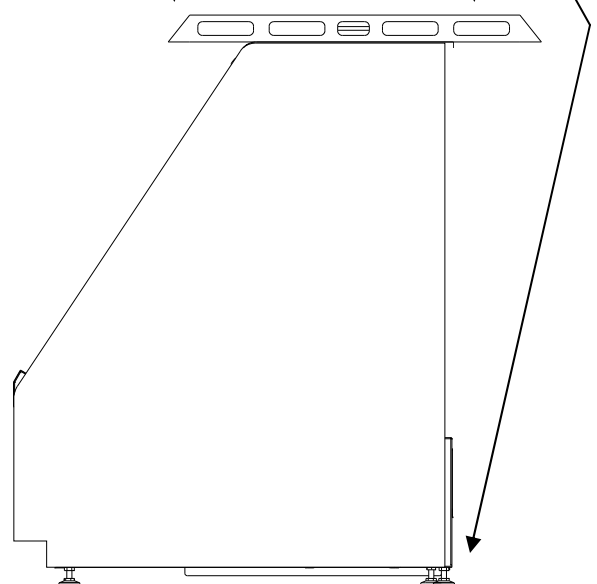
- Turn levelers *COUNTER-CLOCKWISE* to lower.
- Turn levelers *CLOCKWISE* to raise.
- See illustration below.



2. Case Front View With Level at top.



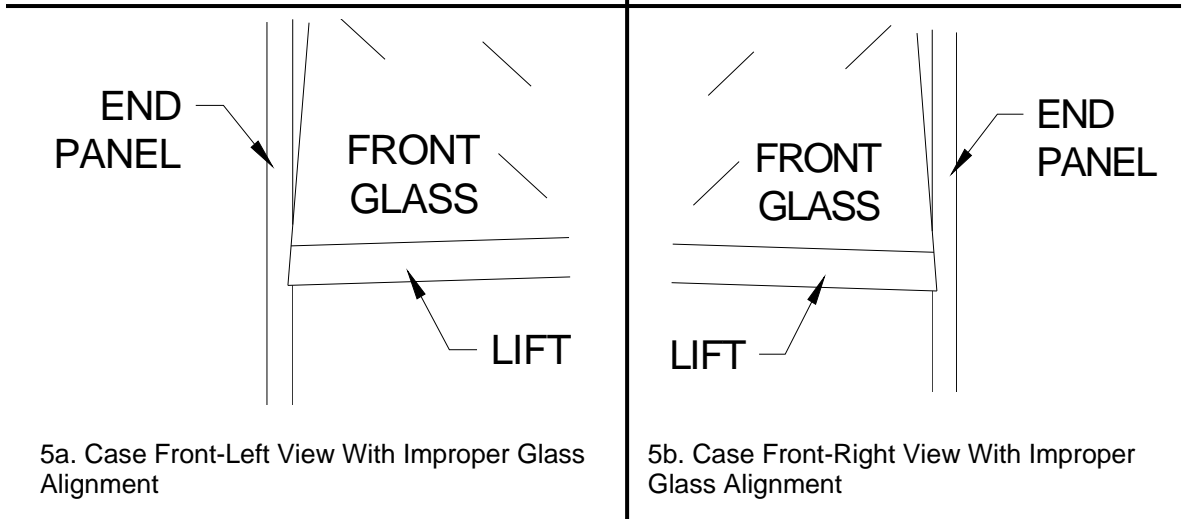
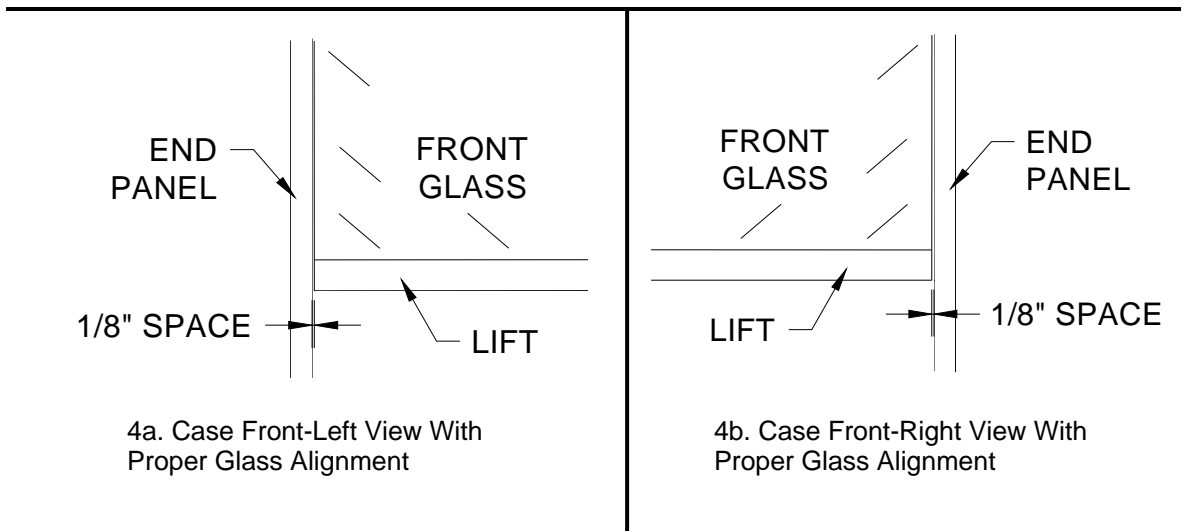
3. Case Side View With Level at top.



Front Glass Alignment Instructions:

Note: Below illustrations may not exactly reflect every feature or option of your particular case.

- Proper alignment of the Front Glass is vitally important; scraping and maladjustment will occur if the case is not aligned properly.
- If the FRONT-LEFT CORNER of the glass is too close to the end panel (or hitting it), the leveler at the BACK LEFT CORNER must be adjusted. **See illustration #5a, at lower left.** Adjust the leveler one full revolution (360°) CLOCKWISE. This action will raise the left-rear case area, thereby increasing distance between the customer-left corner of the glass and its end panel.
- If the FRONT-RIGHT CORNER of the glass is too close to the end panel (or hitting it), the leveler at the BACK RIGHT CORNER must be adjusted. **See illustration #5b, at lower right.** Adjust the leveler one full revolution (360°) CLOCKWISE. This action will raise the right-rear cabinet area, thereby increasing the distance between the customer-right corner of the glass and its end panel.
- After adjusting the levelers, open and shut the front glass and check again to see if the curved front glass is properly aligned: It is to be evenly spaced (approximately 1/8") from both sides of the case.



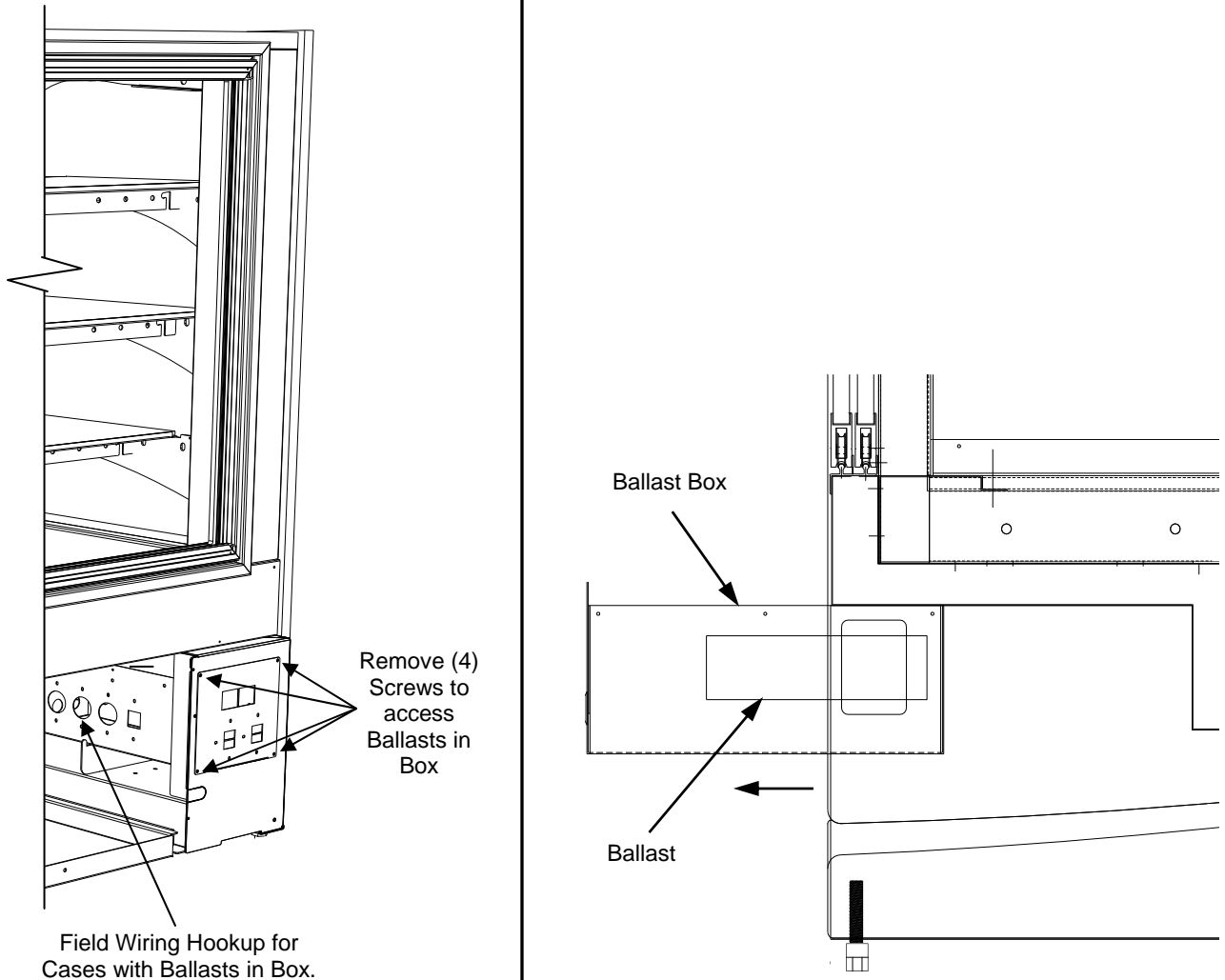
Electrical Access and Connections

Field Wiring Hookup is at rear of case, customer left side. See illustrations below.

Access Ballasts by removing four (4) screws and sliding Ballast Box out from case. See below.

- Standard 220V/115 3-wire connection is required and should be performed by certified electrician.
- See Technical Information sheet for info.

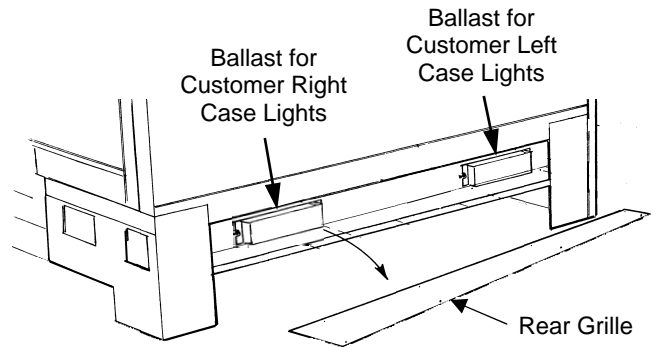
See illustrations below for location of ballasts and field wiring hookup for cases with ballasts in box.



Electrical Access and Connections

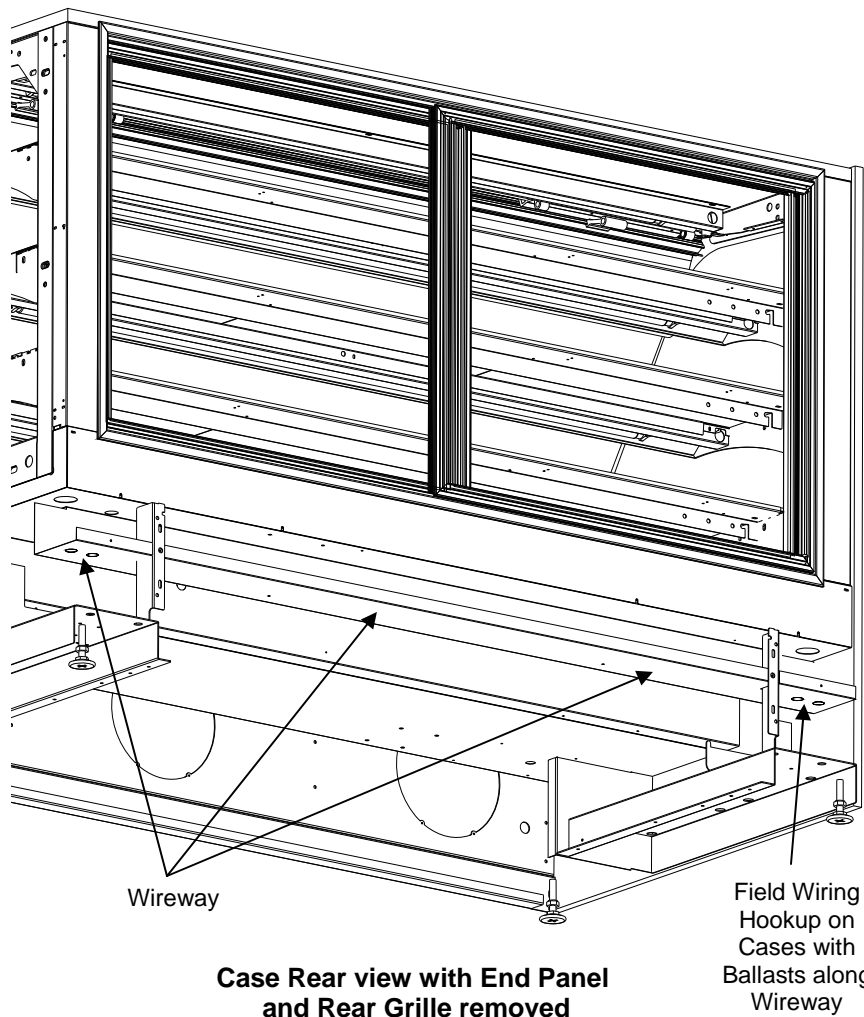
Field Wiring (Standard Hookup) is in Ballast Box, at rear of case, customer left.

- Wiring may run case-to-case through cut-outs in base.
- Knockouts are provided in bottom of wire-way for stub-up connection.
- 120V, single phase connections are required and must be performed by a certified electrician.
- Remove Rear Grille by lifting upward and outward . Ballasts will be accessible.



Optional location of ballasts (illustration may vary depending upon model and options chosen)

See illustration at right and below for general location of ballasts.



Case Rear view with End Panel and Rear Grille removed

START-UP AND OPERATION

MERCHANDISER START-UP

- Field-Wire Case. All of the lights should come on at the same time.
- First time lighting may require a short warm up period for the bulbs. Slightly dim or a flickering of new bulbs is normal. If lights do not turn on, check all of the raceway plugs.
- The lighting is wired in series so **all lights must be plugged in or receptacles capped** in order for the case to light.
- See illustrations below.

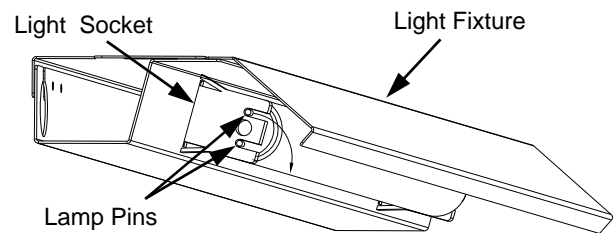
Light Fixtures

Removal of lamps:

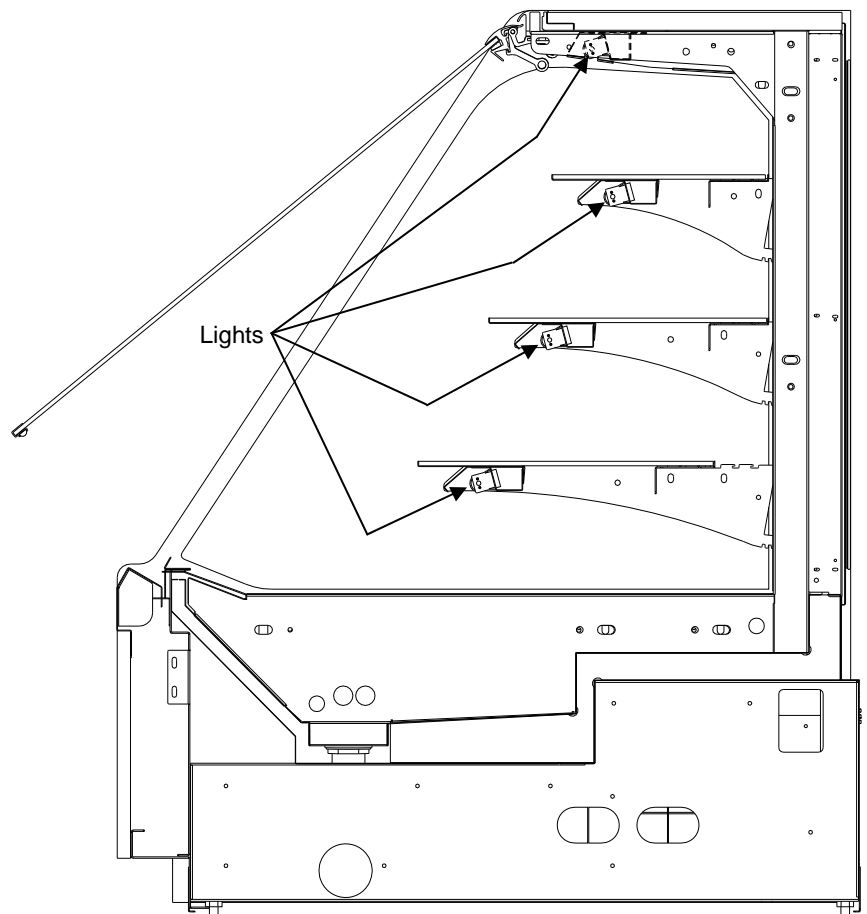
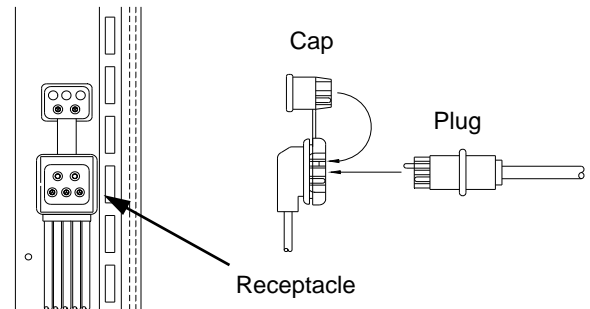
- Grasp lamp firmly and carefully pull downward and out from socket.
- See photo at lower right for lamp being removed.

Installation of lamp:

- Align pins with slot.
- Insert pins into socket and push upward into place.
- See photo at lower left for view of fully installed lamp.



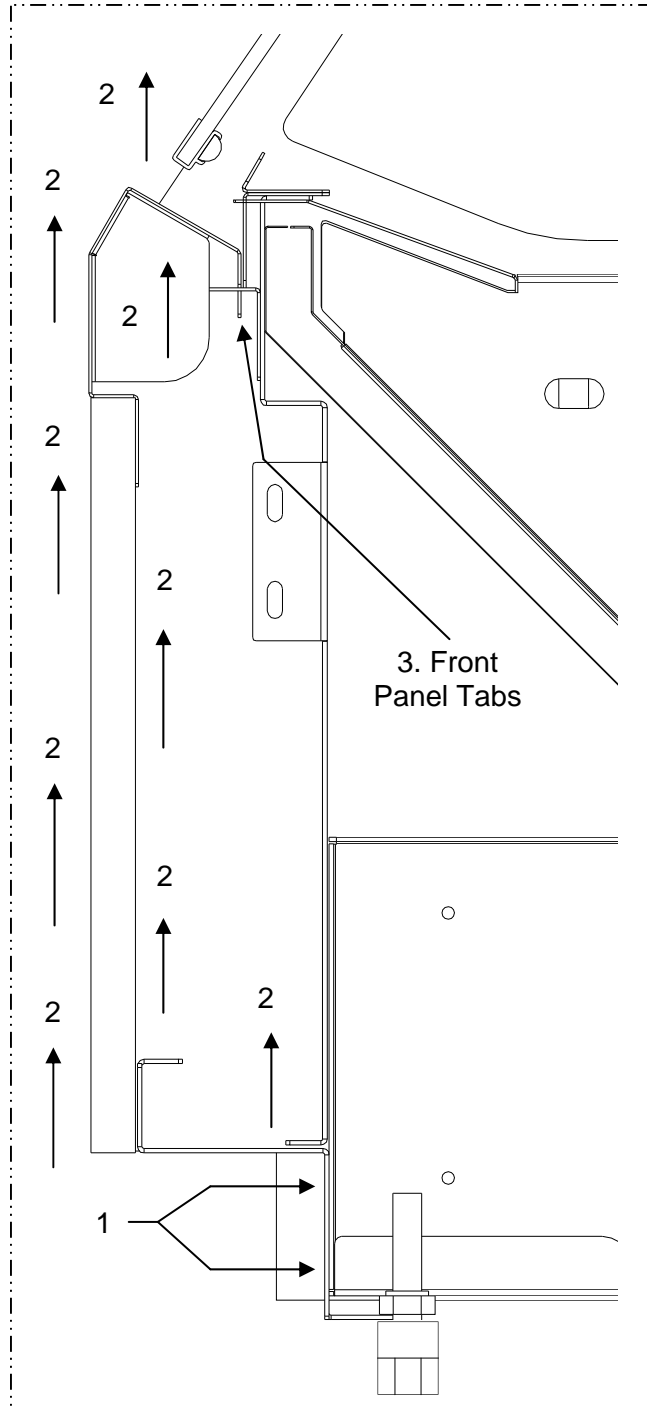
---- Above illustration shows Light Fixture ----



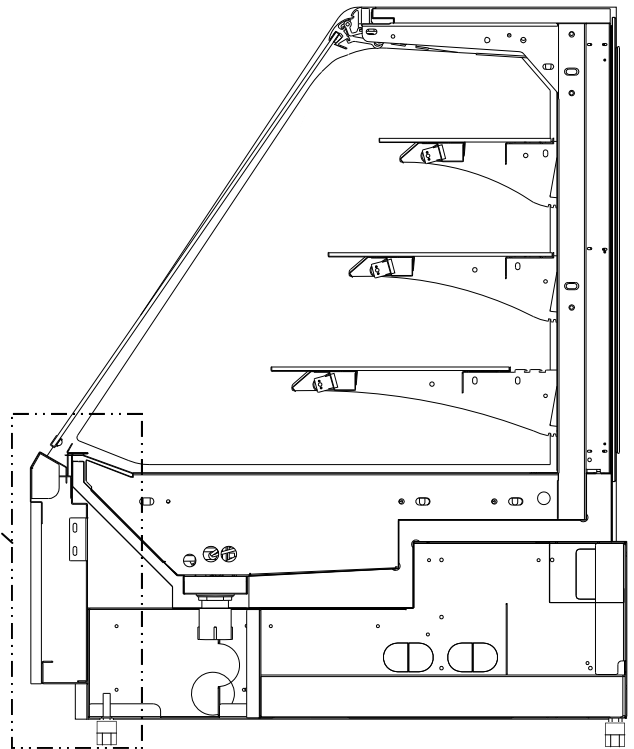
Front Panel Removal

Removal of Front Panel Assembly

1. Remove screws in Toe-Kick area (2 at each end of Front Panel) See illustration below left with "1" at Toe-Kick.
2. Lift up Front Panel Assembly. See illustration below left with "2" at "Up Arrows" denoting assembly to be lifted up and out.

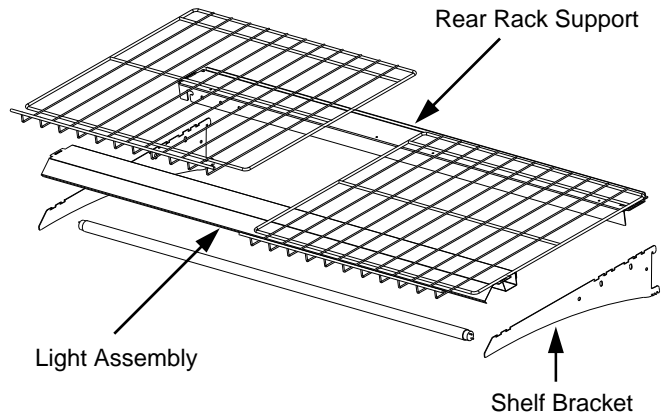


3. When lifting Front Panel Assembly upward, make certain that Front Panel Tabs are lifted out of slots. See illustration at left, text item "3".
4. When replacing Front Panel Assembly, place Front Panel Tabs into slots (as shown in item "3" at left). Lower Front Panel Assembly into place. Replace screws in Toe-Kick area.



Bracket & Shelf Assembly Removal

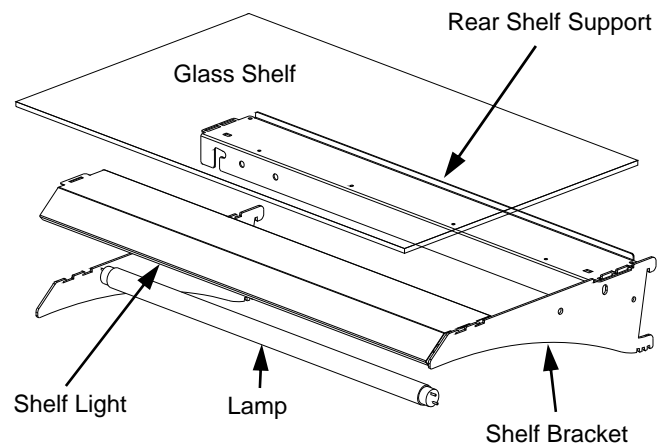
- Remove wire rack shelves (standard) or glass shelves (optional).
- For lighted shelving, unplug the light cord.
- Lift shelves straight up to separate from brackets.
- Remove rear rack support / rear shelf support (see illustrations at right).
- Remove brackets. Note: It may be necessary to remove the nylon shipping bracket retainer. Pliers will be required to accomplish this task. See illustration at below right.



Light Fixture

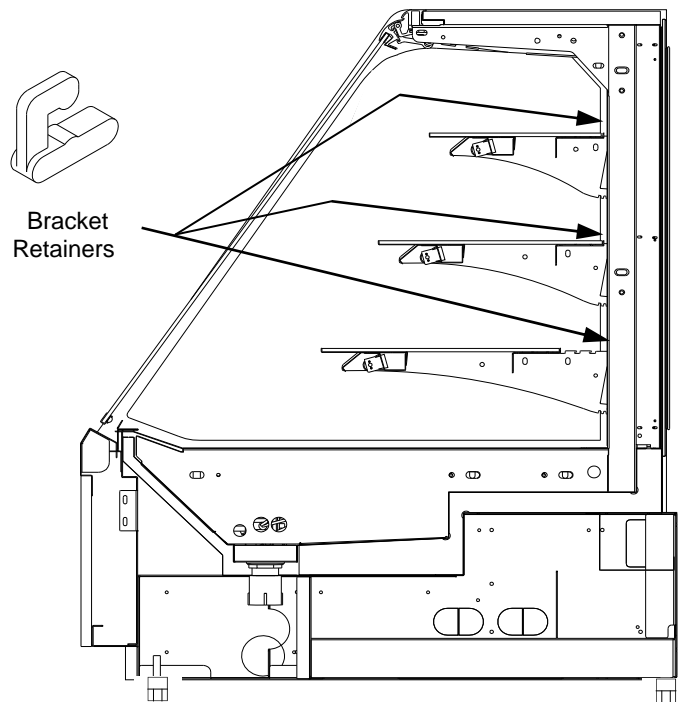
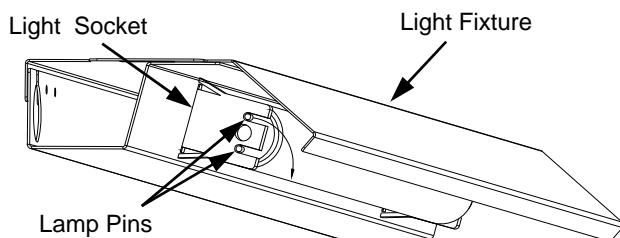
Removal of lamp:

- Rotate lamp (1/4-turn) either direction to disengage (upper or lower) pins/contacts from lamp mounting sockets.
- Remove bulb by applying even pressure from the back side at the bulb ends and pulling the remaining contact from the sockets.
- See illustration at below-left.



Installation of lamp:

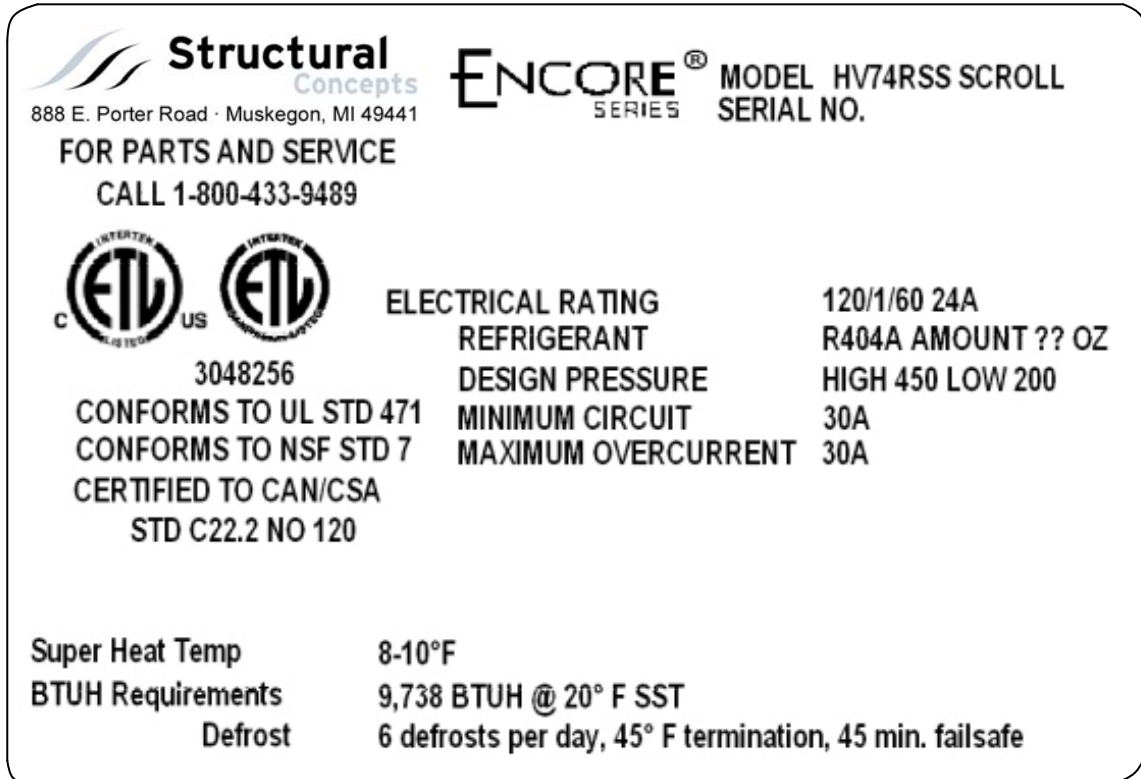
- Align pins with slot.
- Insert pins into socket by rotating the bulb 1/4-turn to secure either the (upper or lower) pined contacts into the sockets.
- Rotate the remaining bulb contacts (1/4 turn) into the remaining lamp mounting socket contacts.
- See illustration at below-left.



Note: Models may vary as per features and options

Serial Label Information & Location



- 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, see the *TECHNICAL SERVICE* page in this manual.
- See images below for samples of both refrigerated and non-refrigerated serial labels.



Structural Concepts
888 E. Porter Road · Muskegon, MI 49441

ENCORE[®] MODEL HV74RSS SCROLL
SERIES SERIAL NO.

FOR PARTS AND SERVICE
CALL 1-800-433-9489

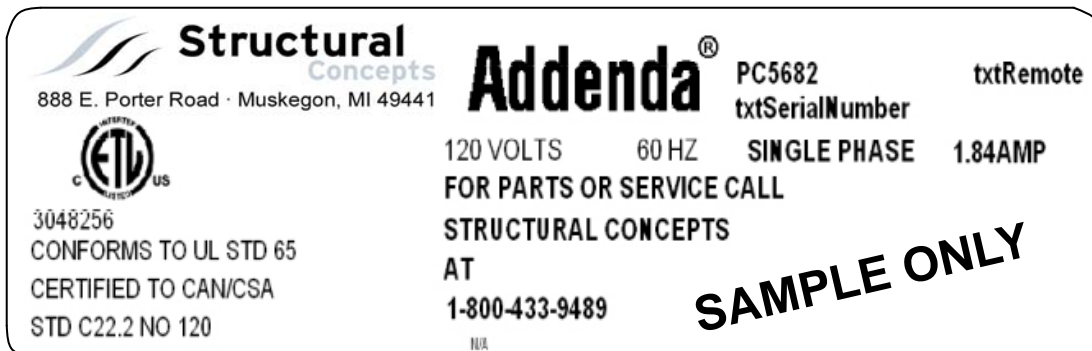
 
3048256

CONFORMS TO UL STD 471
CONFORMS TO NSF STD 7
CERTIFIED TO CAN/CSA
STD C22.2 NO 120

ELECTRICAL RATING	120/1/60 24A
REFRIGERANT	R404A AMOUNT ?? OZ
DESIGN PRESSURE	HIGH 450 LOW 200
MINIMUM CIRCUIT	30A
MAXIMUM OVERCURRENT	30A


Super Heat Temp	8-10°F
BTUH Requirements	9,738 BTUH @ 20° F SST
Defrost	6 defrosts per day, 45° F termination, 45 min. failsafe

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



Structural Concepts
888 E. Porter Road · Muskegon, MI 49441

Addenda[®] PC5682 txtRemote
txtSerialNumber


3048256

CONFORMS TO UL STD 65
CERTIFIED TO CAN/CSA
STD C22.2 NO 120

120 VOLTS 60 HZ SINGLE PHASE 1.84AMP
FOR PARTS OR SERVICE CALL
STRUCTURAL CONCEPTS
AT
1-800-433-9489

SAMPLE ONLY

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

TROUBLESHOOTING

Product is Drying Out	Check the relative humidity in the store.
Excessive Fan Noise	Check that the case is aligned, level and plumb.
	Check that nothing is obstructing the blade rotation.
	Check that the fan shroud is properly secured.
System is not Operating	Check that the utility power is on.
	Check that the MAIN power switch is on.
	Check that the unit is properly plugged in (self contained unit).
	Check the circuit breaker box for tripped circuits.
Fans Not Working	Check that the power is on.
	Check that fans are plugged in at the fan shroud.
	Determine if there is ice build up blocking the fan.
Case Lights Not Working	Check that ALL of the lights are plugged in or receptacles capped.
	Check bulbs for proper installation and connection.
	Check for burned out bulbs.
	Clean dirt and dust from the bulbs to prevent flickering.
	Check that the shelf light is plugged in.

CLEANING SCHEDULE

Cleaning	Daily	Weekly	Monthly	Task
Clean Case Exterior	X			Clean outside surface of front curved glass with a household or commercial glass cleaner.
		X		Clean wood, laminate and painted surfaces with a mild soap and water solution and a soft cloth .
			X	Remove Front Toe-Kick (3 screws). Use vacuum with a hose attachment to clean under the case.
Clean Case Interior	X			Remove the decks and clean with soap and water.

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 of Goods. Notwithstanding the foregoing, any warranty with respect to such parts of 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**



Structural

Concepts

888 Porter Rd. Muskegon, MI 49441 Phone: 231.798.8888 Fax: 231.798.4960 www.structuralconcepts.com