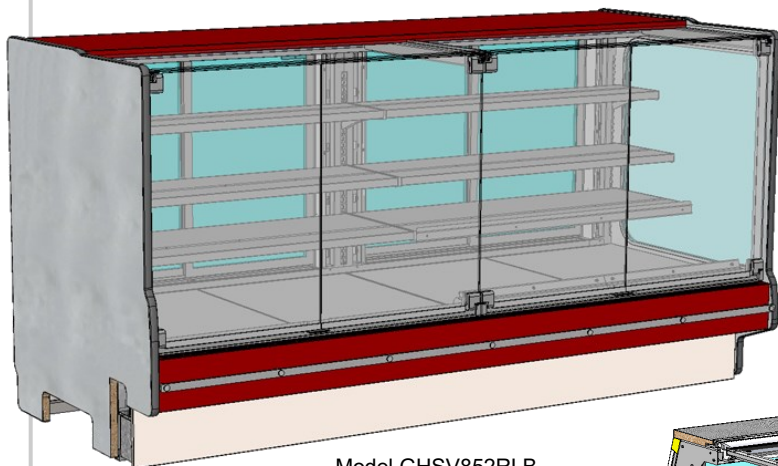


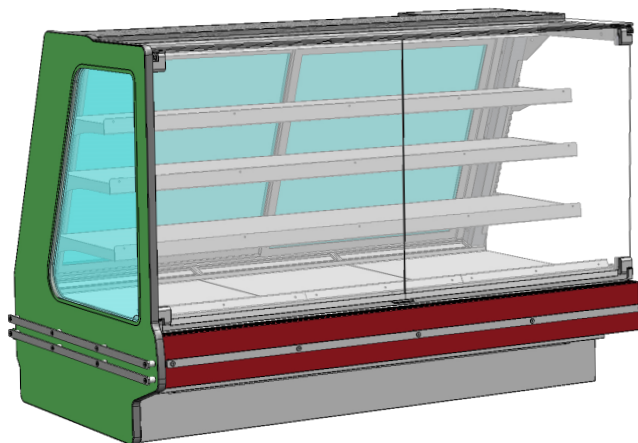
FUSION USER MANUAL

SCC P/N
20-57746

- FUSION SERVICE REFRIGERATED DISPLAY CASES**
- > REMOTE UNITS WITH VERTICAL FRONT HINGED GLASS
 - > LOCKING HARDWARE FOR FRONT GLASS
 - > VERTICAL & ANGLED REAR SLIDING DOORS

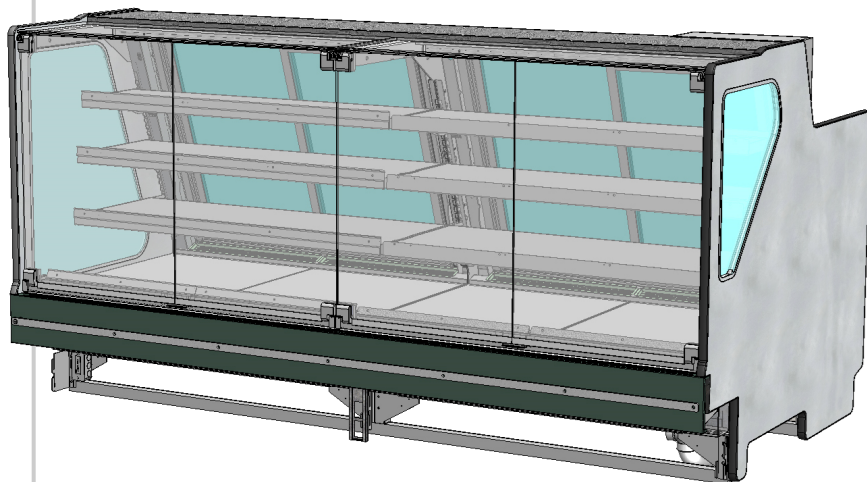
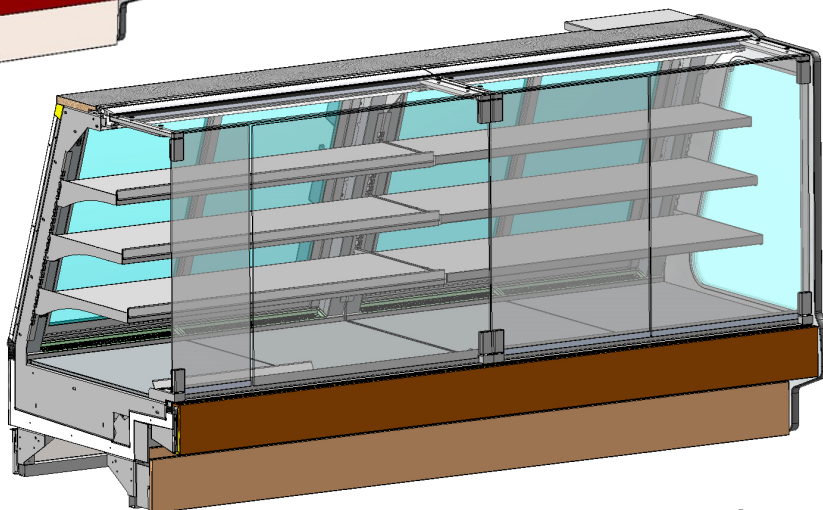


Model GHSV852RLB

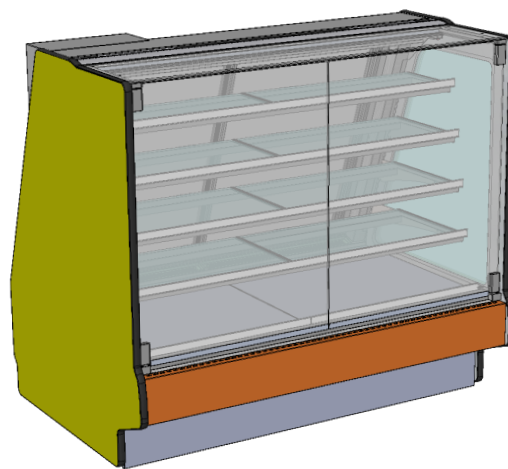


Model GHSV652RLB.6677C

Model GHSV852RLB.6856D
(Front-Left Adjoinment /
Varying Size Front Glass)



Model GHSV852RLB.6677B (Front Toe-Kick
Removed For Illustrative Purposes Only)



Model GHSV556RLB

Note: See Next Page For Models That
Are Represented By This Manual.

Structural Concepts®

DELIVERING FRESH. ALWAYS.™

Structural Concepts Corp. · 888 E. Porter Rd · Muskegon, MI 49441 Phone: 231.798.8888 Fax: 231.798.4960 · www.structuralconcepts.com

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Note: This Manual Is Applicable To Models GHSV452RLB / GHSV456RLB / GHSV556RLB / GHSV652RLB.6677C / GHSV652RLB.6868C / GHSV852RLB / GHSV852RLB.6745D / GHSV852RLB.6677B / GHSV852RLB.6856D / GHSV1052RLB.6745E GHSV1052RLB.6868E.
This Manual May Also Be Applicable On Other Models That Are Not Listed Herein.

OVERVIEW

- These Structural Concepts cases are designed to merchandise packaged products at 41 °F (5 °C) or less product temperatures (unless custom cases with wire rack shelving).
- Product must be pre-chilled to 41 °F (5 °C) or less before being placed in merchandiser.
- Cases should be installed and operated according to this operating manual's instructions to ensure proper performance. Improper use will void warranty.

NSF/ANSI TYPE I vs. II ENVIRONMENTAL CONDITIONS

This unit is designed for the display of products in ambient environmental conditions where temperatures and relative humidity are maintained within a specific range.

- NSF/ANSI Type I Conditions: Product is displayed in store conditions with maximum ambient temperature of 75 °F (24 °C) and maximum relative humidity of 55%.
- NSF/ANSI Type II Conditions: Product is displayed in

store conditions with maximum ambient temperature of 80 °F (27 °C) and maximum relative humidity of 55%.

- If you are unsure if your unit is classified as NSF/ANSI Type I or Type II, see tag next to serial label on your case.

COMPLIANCE

- Performance issues when in violation of applicable NEC, federal, state and local electrical and plumbing codes are not covered by warranty.
- See below compliance guideline.

WARNINGS

- This page contains important warnings to prevent injury or death. Please read carefully!

PRECAUTIONS and WIRING DIAGRAMS

- See next page for **PRECAUTIONS** and **WIRING DIAGRAM** information.



COMPLIANCE

This equipment **MUST** be installed in compliance with all applicable NEC, federal, state and local electrical and plumbing codes.

WARNING

ELECTRICAL
HAZARD



WARNING

Risk of electric shock. Disconnect power before servicing unit.
CAUTION! More than one source of electrical supply is employed with units that have separate circuits.
Disconnect ALL ELECTRICAL SOURCES before servicing.

WARNING

KEEP
HANDS
CLEAR



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

This product can expose you to chemicals, including Urethane (Ethyl Carbamate), which are known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to P65Warnings.ca.gov.

WARNING

HOT
SURFACE



WARNING

Condensate pan and overflow condensate pans are **HOT!**
Disconnect and allow to cool before cleaning or removing from case.

PRECAUTIONS

- Following are important precautions to prevent damage to unit or merchandise. Read carefully!
- See previous page for specifics on **OVERVIEW**, **CONDITION TYPE**, **COMPLIANCE** and **WARNINGS**.

WIRING DIAGRAM

- Each case has its own wiring diagram folded and in its own packet. It may be placed near ballast box, field wiring box, raceway cover, or other related location.

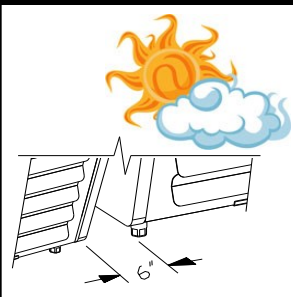
REFRIGERANT DISCLOSURE STATEMENT

- This equipment is prohibited from use in California with any refrigerants on the "List of Prohibited Substances" for that specific end-use, in accordance with California Code of Regulations, title 17, section 95374.
- This disclosure statement has been reviewed and approved by Structural Concepts and Structural Concepts attests, under penalty of perjury, that these statements are true and accurate.



CAUTION! GFCI BREAKER REQUIREMENT
If N.E.C. (National Electric Code) or your local code requires GFCI (Ground Fault Circuit Interrupter) protection, you **MUST** use a GFCI breaker in lieu of a GFCI receptacle.

CAUTION

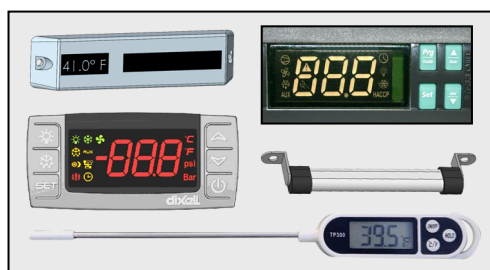


CAUTION! ADVERSE CONDITIONS / SPACING ISSUES

- Performance issues caused by adverse conditions are **NOT** warranted.
- To prevent damage to end panels due to condensation, apply industrial grade silicone sealant and tightly join to opposite end panels. When not adjoining cases, keep end panels at least 6" away from walls/structures. Rear panels must also be kept at least 6" from walls and structures.
- Case must not be exposed to direct sunlight or any heat source.
- To maintain proper case temperature, keep case at least 15-feet from exterior doors, overhead HVAC vents or any air curtain disruption.
- Self-contained case clearance: 6" min. air intake / 6" min. air discharge.

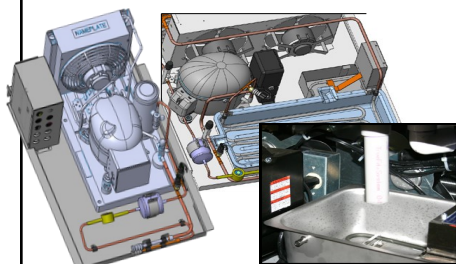


CAUTION! POWER CORD AND PLUG MAINTENANCE
Risk of electric shock. If cord or plug becomes damaged, replace only with cord and plug of same type.



CAUTION! DO NOT RELY ON THERMOMETERS OR THERMOSTATS FOR PRODUCT (FOOD) TEMPERATURES.

- Thermometers & thermostats reflect air temperatures **ONLY**.
- For **ACTUAL** product (food) temperatures, use a calibrated food probe thermometers **ONLY**.
- For accurate readings, **DO NOT** use infrared food thermometers.



CAUTION! CHECK CONDENSATE PAN, ITS POSITION & PLUG!

Water on flooring can cause extensive damage!

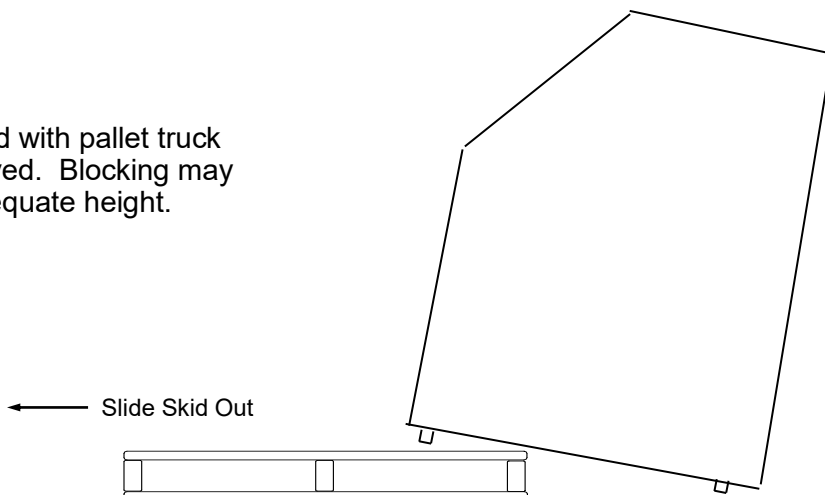
- Before powering up case, check that condensate pan is positioned directly under case's condensate drain.
- Before powering up case, check that condensate pan's electrical plug is **SECURELY** connected to condensate system's receptacle.
- If wicking material is used in condensate pan, check that it is secure.

INSTALLATION: REMOVAL FROM SKID, REMOVING VERTICAL LOWER FRONT PANELS

1. Remove From Skid (Rails or Levelers)

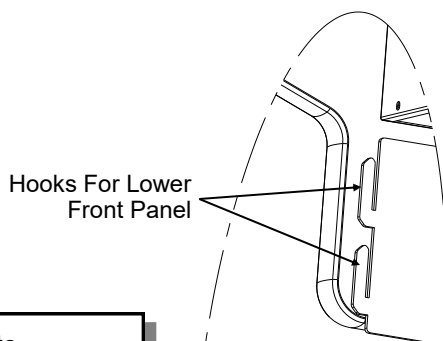
- Remove shipping brace that may be securing case to skid.
- Support case to prevent tipping.
- **Caution! Frame Support Rails (or levelers) can be damaged if case hits floor with heavy force!**
- Carefully slide unit to rear of skid and tip backward off skid.
- Illustration may not reflect every feature or option of your particular case.

Note: Case can be repositioned with pallet truck when front lower panel is removed. Blocking may be necessary to obtain adequate height.



2. Removing Vertical Lower Front Panels

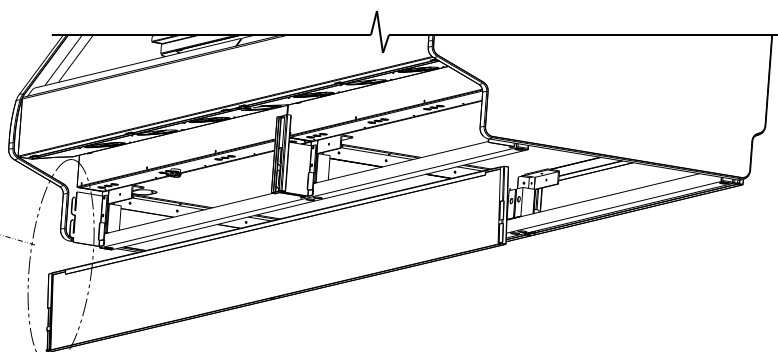
Note: No screw removal required: Simply lift lower front panel up (off hooks) and out (away from case).



Note: Illustration shown may not reflect every feature or option of your particular case.

Note
Lower Front Panel
Removed & Reversed
For Illustrative
Purposes Only

Slots For Lower
Front Panel



View of Front Panel (Removed & Reversed)

3. Bolting and Sealing Units Together

Follow these steps to assure a secure, level lineup.

- A. Begin lineup leveling from highest point of floor.
- B. After 'first' case is level, apply industrial grade urethane on non-visible areas (at case end). Use industrial grade silicone sealant on visible areas (at case end). See caulk/silicone illustrations at lower-left.
- C. Form Two (2) Urethane/Sealant Lines: (Sanitation and Refrigeration). See illustration below for outline of urethane/sealant lines.
- D. Line up 'second' case bolt-hole to bolt-hole to 'first' case.
- E. Using SCC-supplied bolts (and/or screws) found in installation packet, insert bolts in bolt hole locations (shown below). You may need to remove decking to access lower bolt holes.
- F. Caution! Front of cases **MUST** be flush with each other! After leveling, cases are to be same height.
- G. Using SCC-supplied nuts & bolts, **lightly tighten** each of the 5 to 8 bolts in a cross-wise pattern. Work your way around the pattern, tightening more firmly at each pass. **Do not** firmly tighten one bolt and then start on the next!

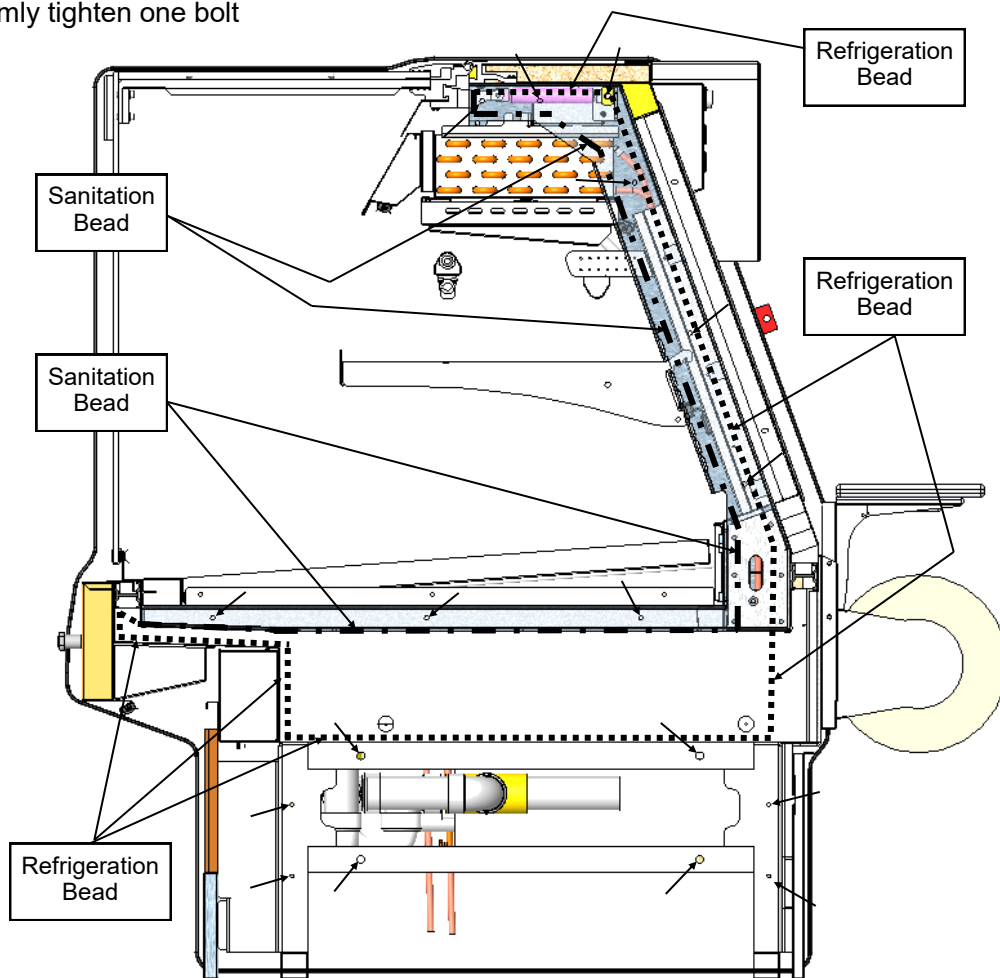
- H. After the cases are bolted together, level the 'second' case. Repeat this process for each case to be adjoined.
- I. After all lined-up cases are level, seal all seams with industrial grade silicone sealant.

Note: Illustration shown may not reflect every feature or option of your particular case.

Approximate hole locations pointed at with arrows (→) for bolting units together.

Sanitation Bead

Refrigeration Bead



--- Sample Flat Glass Unit ---



Urethane to be used on non-visible areas.



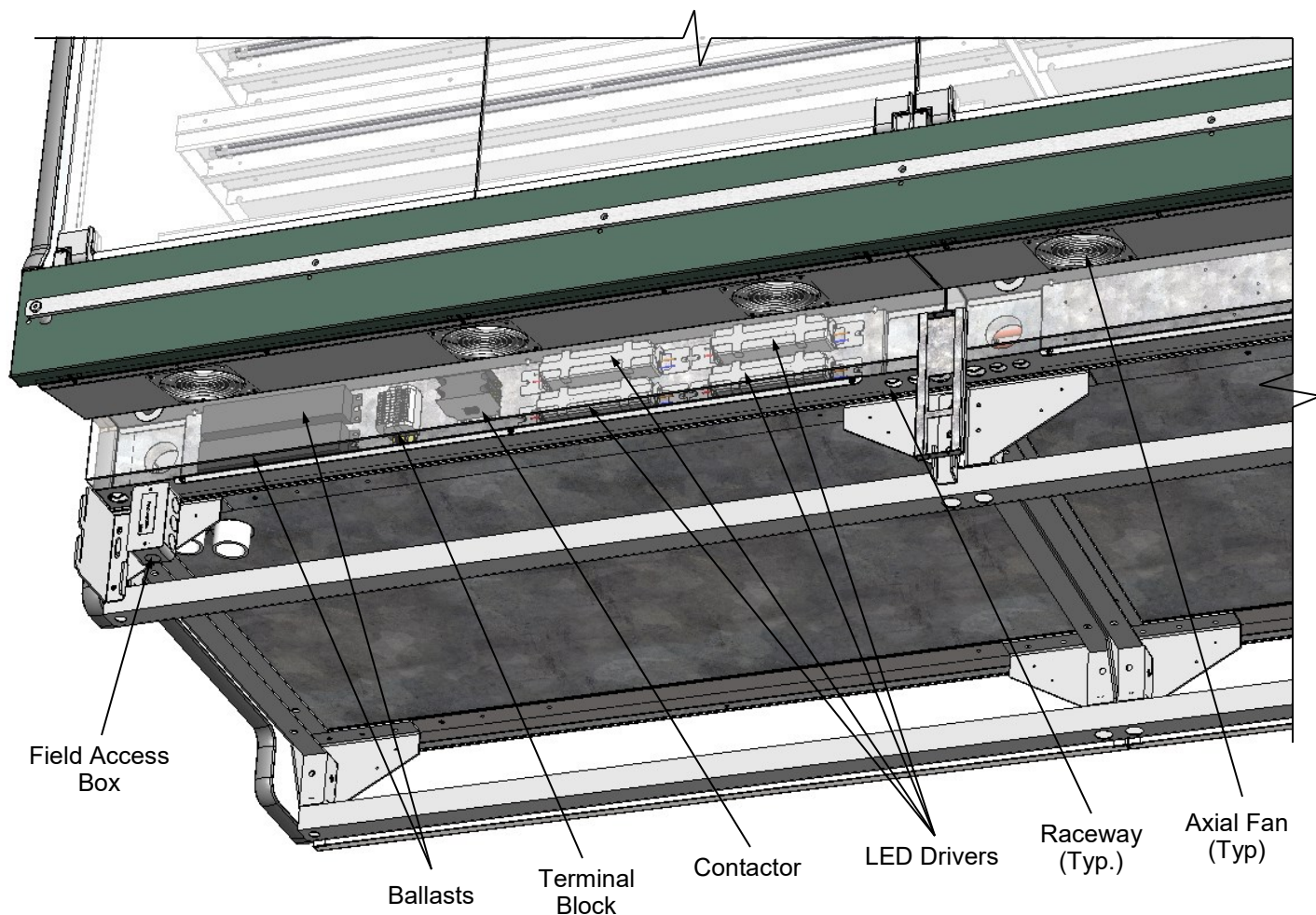
Silicone to be used on visible areas.

4. Electrical Layout

Front Ballast Box or LED Driver Box (Optional)

Remove front panel. See **INSTALLATION: REMOVAL FROM SKID, REMOVING VERTICAL LOWER FRONT PANELS** section in this manual for details.

- Stub-up connections are in ballast box.
- Remove ballast box / LED driver box cover.
- Knockouts are on the underside of ballast box / LED driver box making electrical connections.
- Voltage rating is on serial label at case rear.
- Note: Wiring process must be performed by certified electrician only.



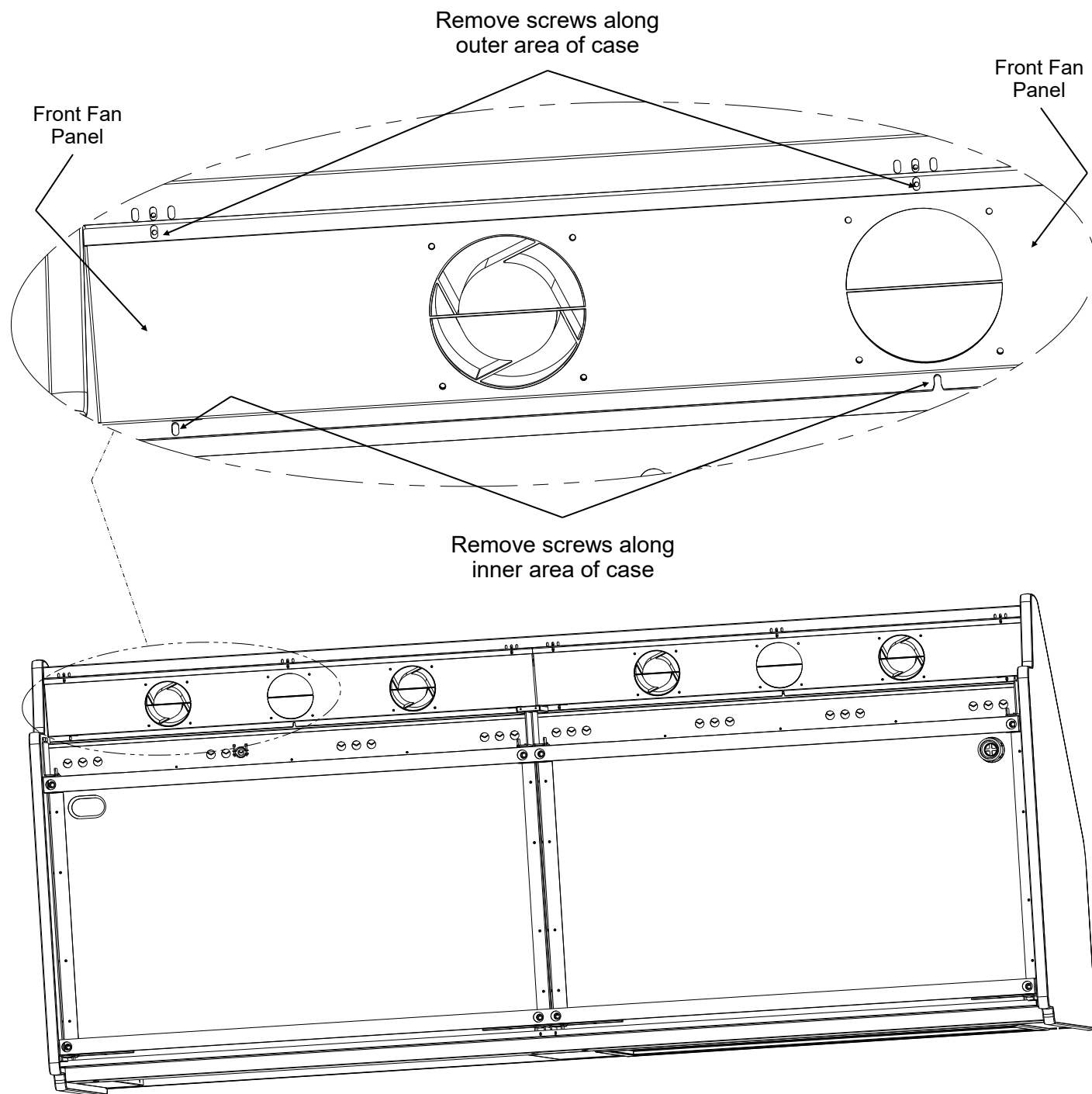
5. Front Fan Access

Front Ballast Box

- Remove screws along outer area of case.
- Remove screws along inner area of case.
- Drop Front Fan panel down.

- Repair/replace fans.
- Replace in reverse order it was removed.
- Voltage rating is on serial label at case rear.

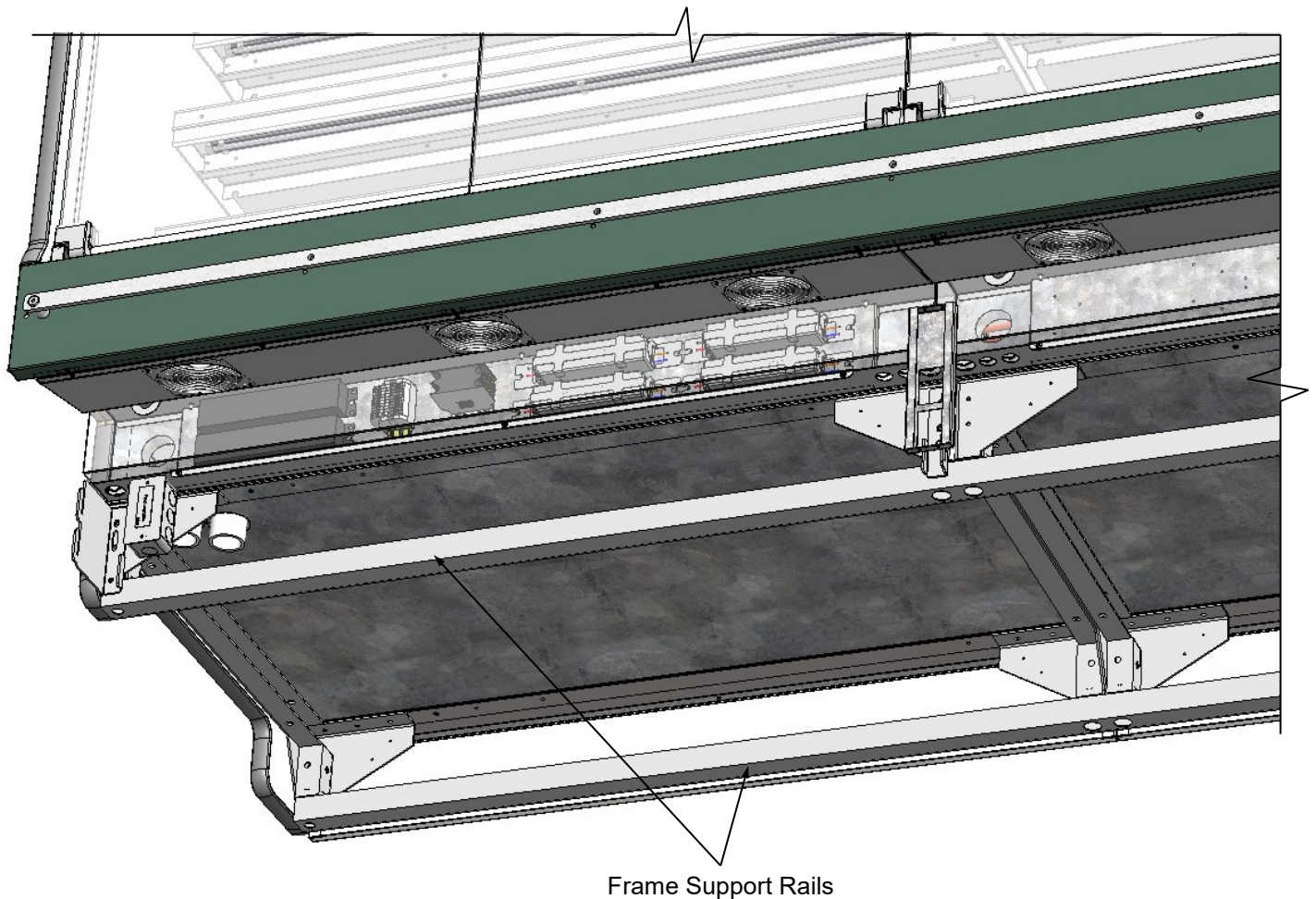
Note: Wiring process must be performed by certified electrician only.



6. Cases With Frame Support Rails: Shim

- Partially disassembled illustration at right shows case with frame support rails.
- Shims will be provided with all cases that have frame support rails.
- Use shims to level case.
- ***Note: After case is in position, it must be sealed to floor to prevent entry or leakage of liquid or moisture.***

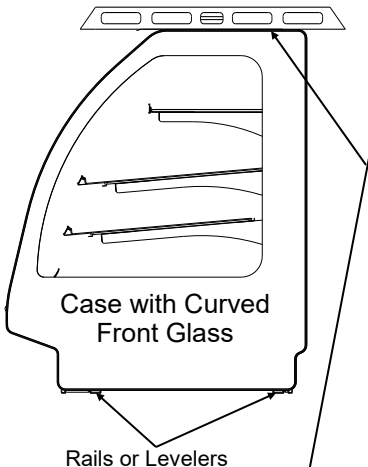
Note: Illustration shown may not reflect every feature or option of your particular case.



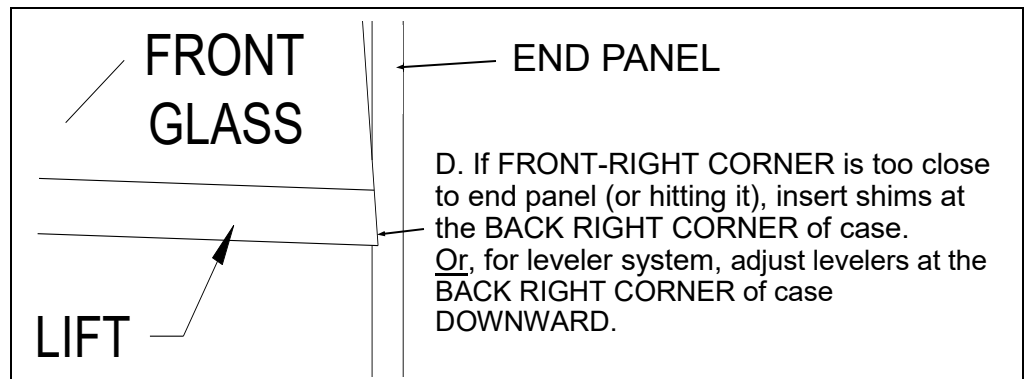
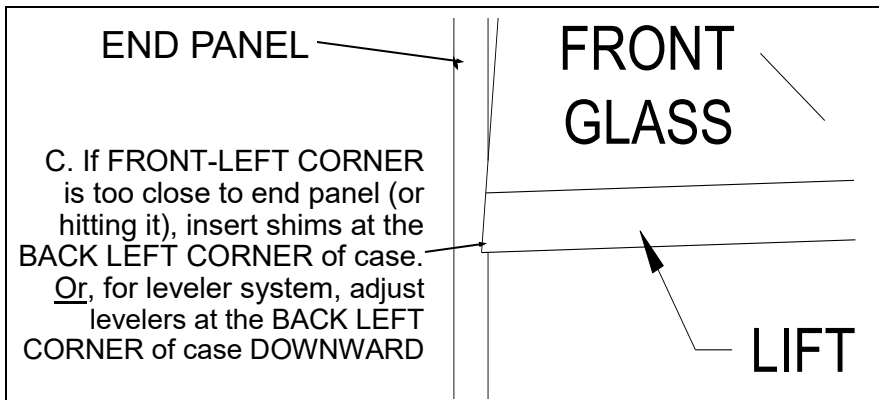
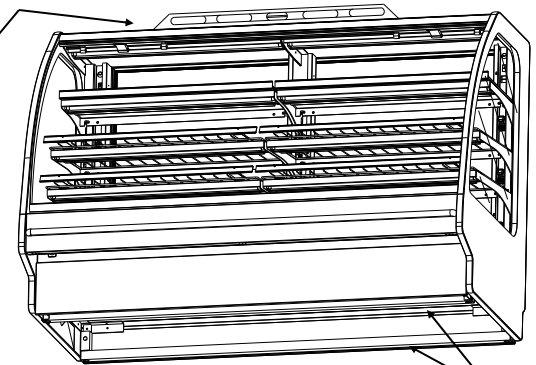
7. Front Glass Alignment & Adjustment via Rails / Levelers (For Curved / Flat Front Glass)

- Proper alignment of the front glass is important to create and maintain a seal inside the case.
- Improper alignment can cause air leaks compromising the environment inside the case and create condensation.
- Follow the five steps listed below to assure proper front glass alignment.

A. Side-to-Side Leveling: Place a level on top of display case (parallel to front glass). Level the case by inserting shims under the rails (or, for levelers, rotating either clockwise or counter-clockwise). Follow steps 3 and 4 below for specifics.



- B. Front-to-Back Leveling:**
- Place a level on top of case, perpendicular to the front glass.
 - Raise or lower either side of case by shimming under the rails or adjusting levelers (following steps 3 & 4 below).
 - Double-check the side-to-side level.



E. Verification:

- After inserting shims (or adjusting levelers), open and shut the front glass.
- Verify (again) that front glass is properly aligned at left-hand and right-hand side of the case.
- If not, repeat the shimming procedure (or leveler adjustment) until the front glass is properly aligned along both sides of the case.

8. Refrigeration Line Stub-Up Connections (Remote Units)

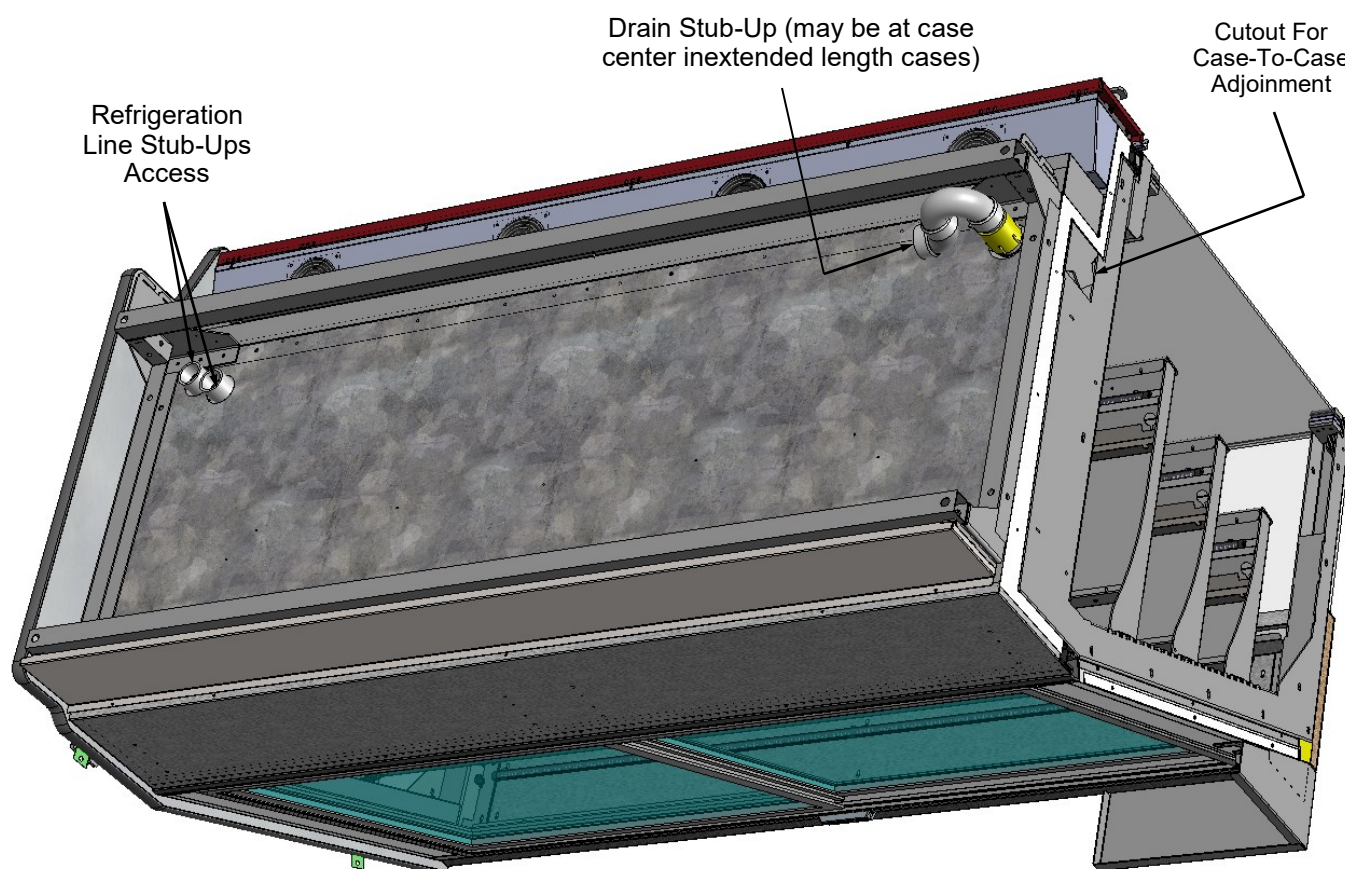
- Remove front panel.
- Refrigerant stub-up access opening is at the front on the left hand side of the base (see illustration at top-right).
- Stub-up connections are accessed from inside the case.
 - Remove interior decks.
 - Remove fan shroud assembly.
- Line connections are in the tub front, on the left hand side
- Remove foam material from the entry hole provided in the tub drain trough.
- Route refrigerant lines through access hole.
 - Run case-to-case connections through cutouts in base.
 - Sweat the high and low pressure connections.
- Fill access hole with suitable filler to insure watertight integrity of tub.
- Illustration at top-right may not reflect every feature or option of your particular case.

9. Refrigeration Drain Connection (Remote Units)

- Depending upon drain access needs, either front or rear panel may be removed to gain access to drain stub-up.
- 1.5" male PVC stub-up connection is under the case on the right hand side.
- Drain stub-up may be at case center in extended length cases.
- Connect tub drain to floor drain. Maintain 1/4"-fall per foot to provide proper drainage.
- Illustration at top-right may not reflect every feature or option of your particular case.

10. Electrical Wiring Diagram

- Each case has its own wiring diagram folded and in its own packet.
- Wiring diagram placement may vary; it may be placed near condenser fan cover, ballast box, raceway cover, or other related location.

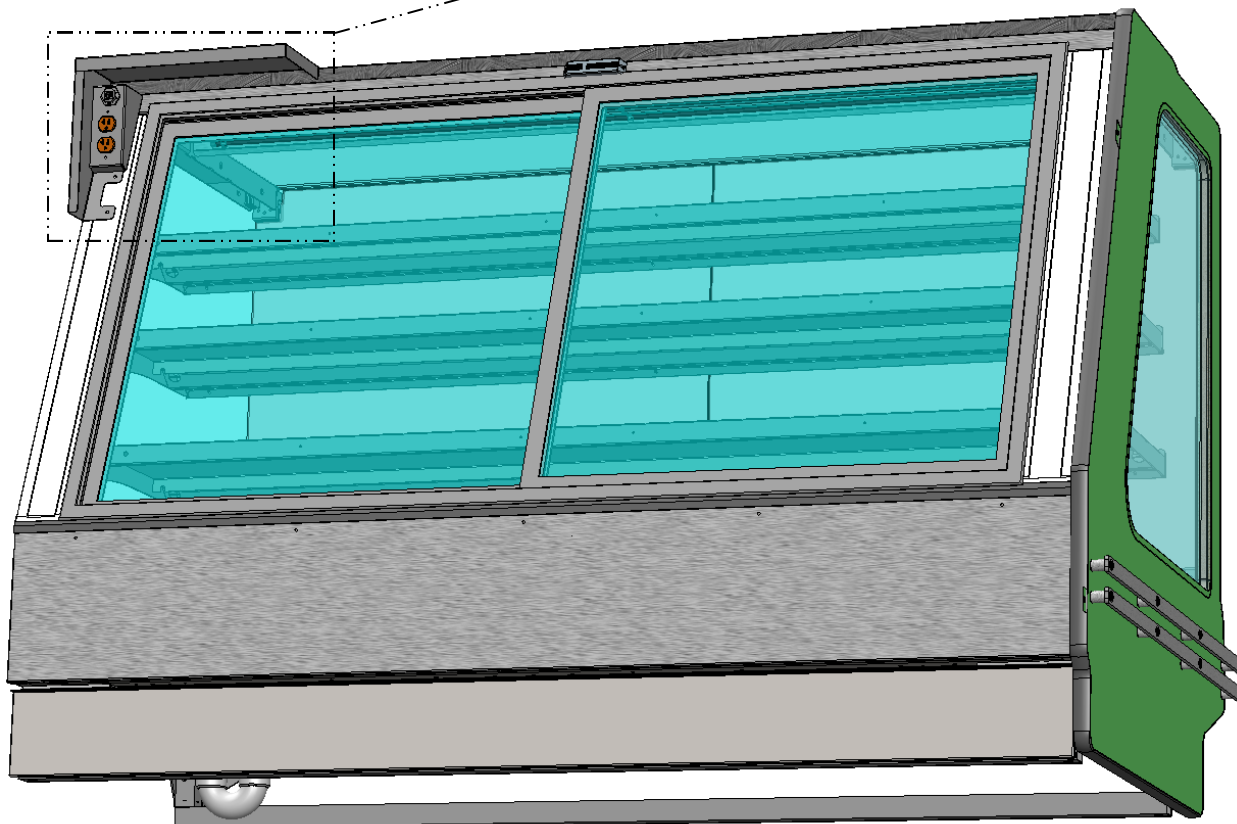
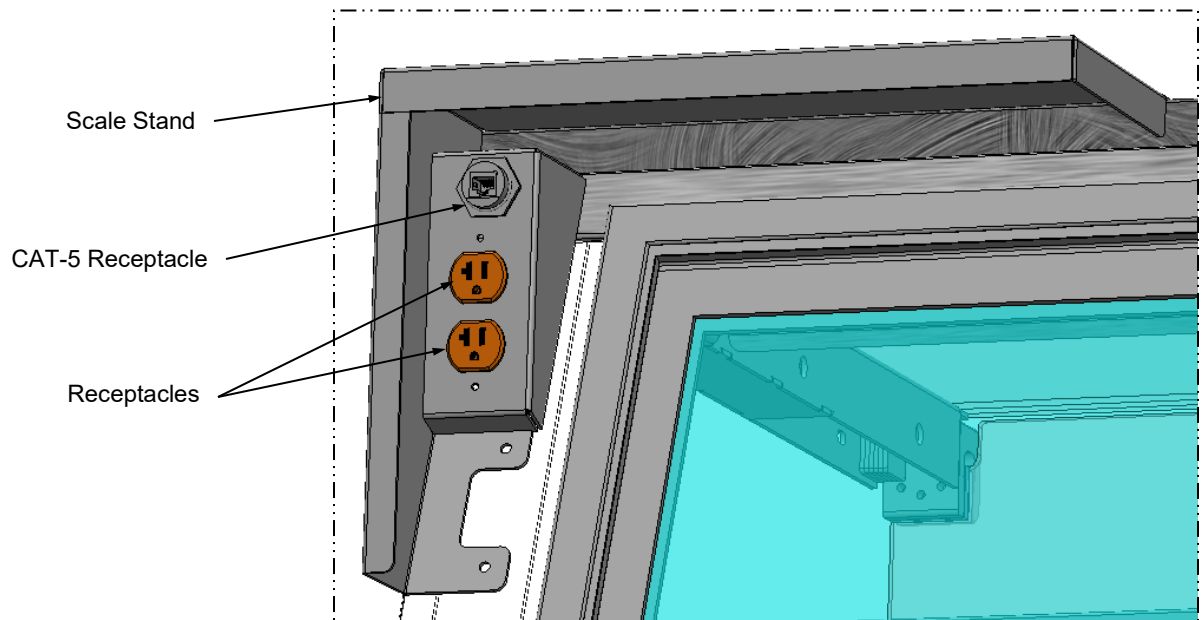


11. Scale Stands and Outlets

Scale Stands and Outlets

- Scale stands and outlets are mainly found on Model GHSAC852. However, they may also be on other models.

- There are three (3) scale stands and outlets.
- Only use 110V plugs that are compatible with scale stand outlets.



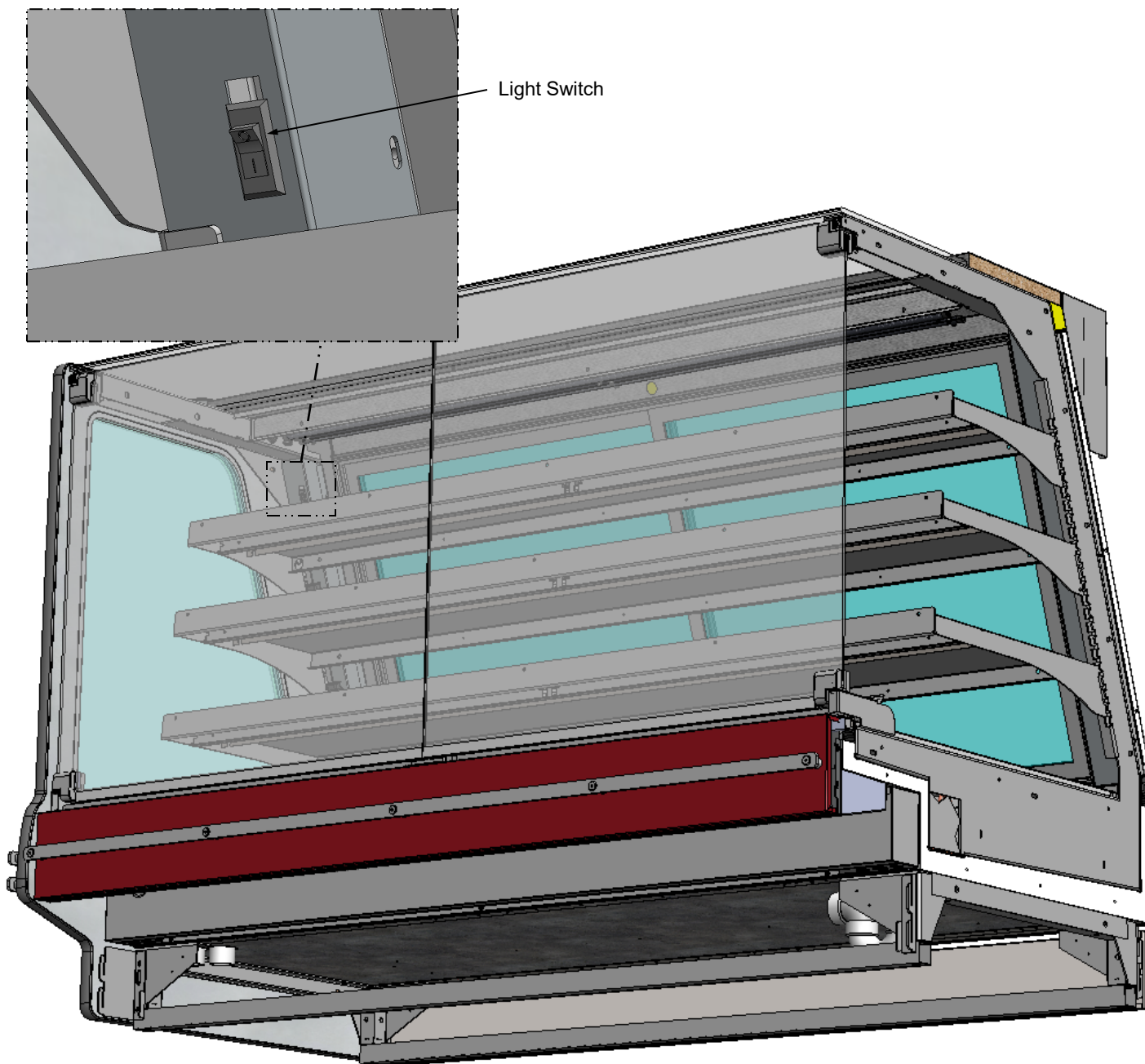
12. Display Case Start-Up

A. Case

- Remote Units: Case will power-up when properly field wired.
- After case is powered up, open rear doors (or front glass (see illustration below)).
- If at case front, lift decking to check that coil fans are running.
- Coil fans (and in self-contained units, compressor motor) should turn on.

B. Lights

- Turn lights on.
 - > Remote Units: Switch is likely at rear plenum or upright (as shown below).
- All lights should come on at the same time.
- Lighting is wired in series so **all lights must be plugged in or receptacles capped** for case lights to be on. See illustration at right.
- LED Lights may have single or dual rows (depending upon model).
- Note: If lights do not come on, check that plug is properly inserted into socket.



1. LED Style Light Fixtures

Removal of Faulty LED Lights:

- Contact Structural Concepts' Technical Service Department for replacement LED lights.
- Turn off LED light switch.
- To remove faulty LED light, follow these steps:
 - A. Disconnect plug from LED light.
 - B. Using both hands, grasp LED light assembly (with its magnetic mounting clips). Pull downward and off its shelf (or header).
 - C. Remove magnetic mounting clips from LED light by pressing against flange part of clip with thumb.

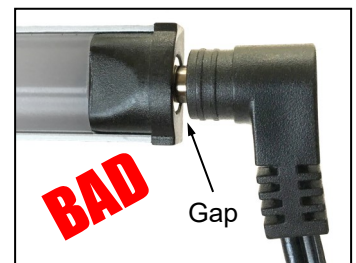
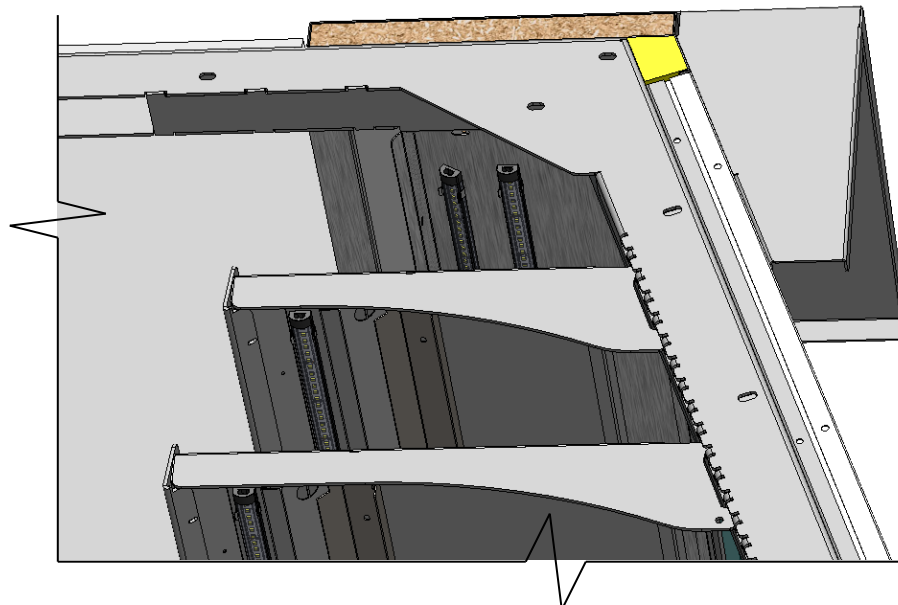
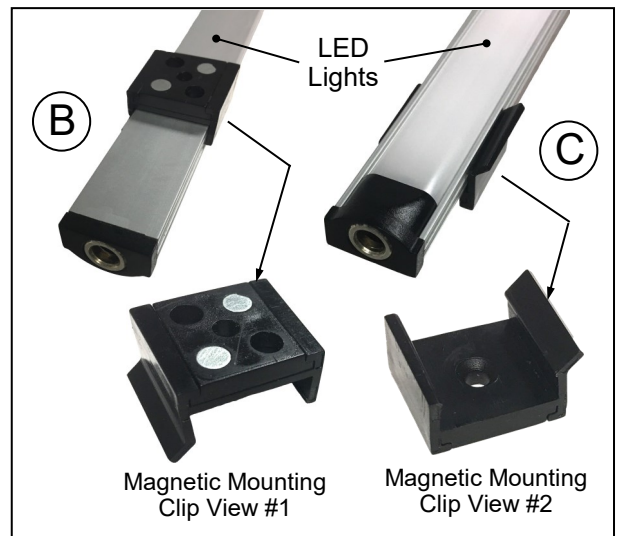
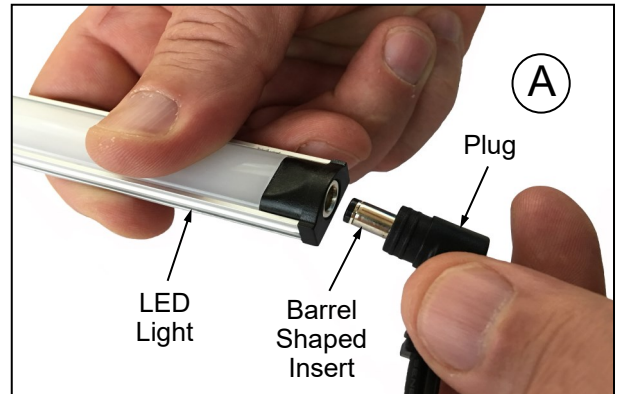
>> **Note:** Mounting clips MAY be riveted to shelf or header. In such instances, simply remove LED light from mounting clips by pressing against flange part of clips with thumb.

Replacement of LED lights:

- Attach magnetic mounting clips onto LED light.
- Adjust magnetic mounting clips so they are equally spaced on LED light.
- Reattach LED light assembly to its shelf/header.
- Position properly in shelf/header.

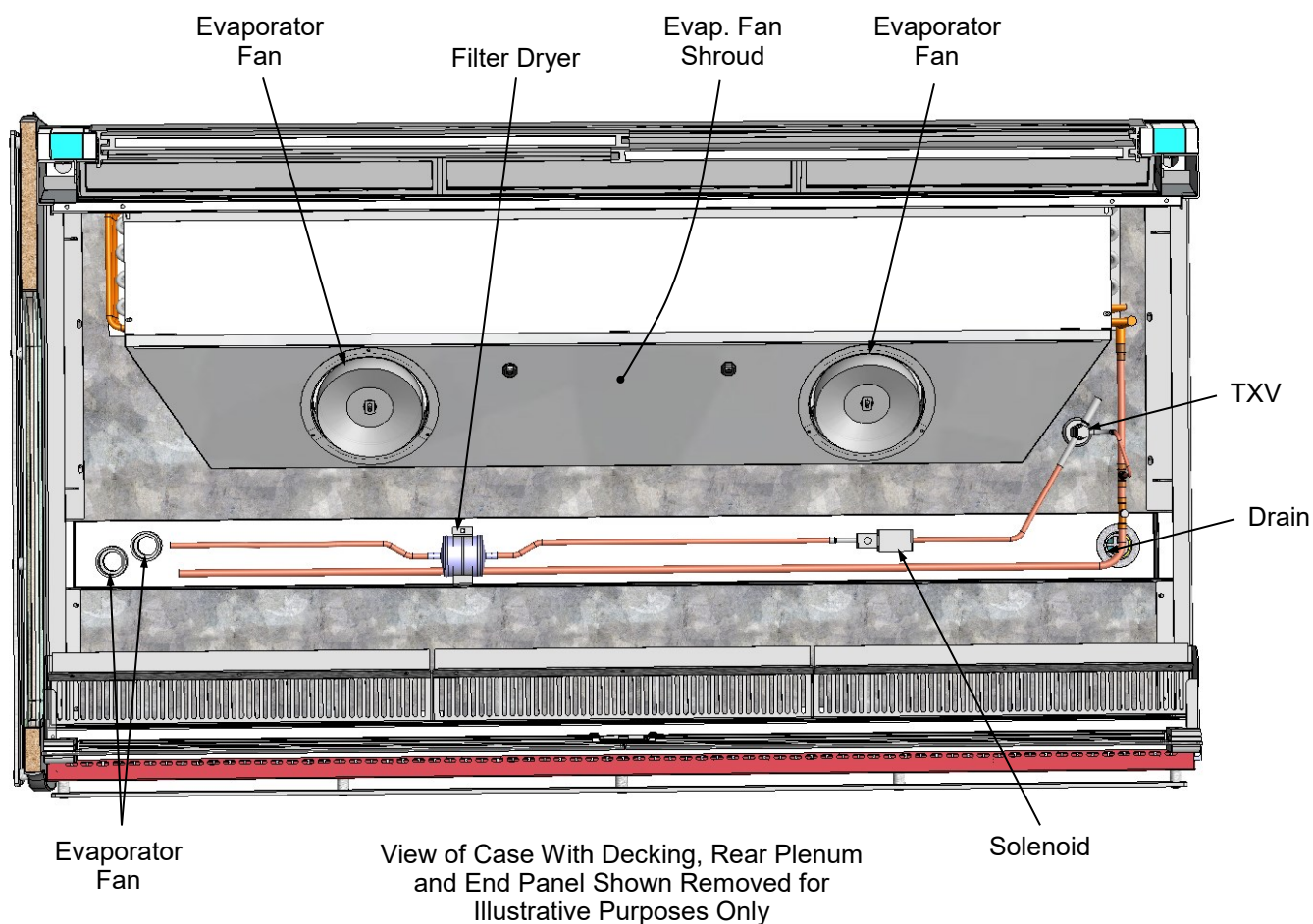
>> **Note:** If mounting clips are riveted to shelf (or header), attach by placing LED in base of clip and then snapping into clip at FLANGE SIDE.

- Press plug's barrel-shaped insert deep into LED light.
- **Important:** If plug is not inserted ALL THE WAY IN the LED light's orifice, the light may not energize. See **"BAD"** vs. **"GOOD"** insertion illustrations below-right.
- Turn LED light switch back on.



2. Drain and Expansion Valve Access

- The drain and expansion valve are both accessible from the front of the case.
- Unplug the fans (one plug per side) and remove the fastener from the access panel in the front right (or left) corner of the unit (as shown in illustration at right).
- The drain, thermostatic expansion valve (TXV) and shut-off valve (optional, depending upon model) are directly below the access panel.
- See illustration below for partially disassembled model depicting solenoid valve, drain, refrigeration lines, TXV, etc.



3. Rear Sliding Doors

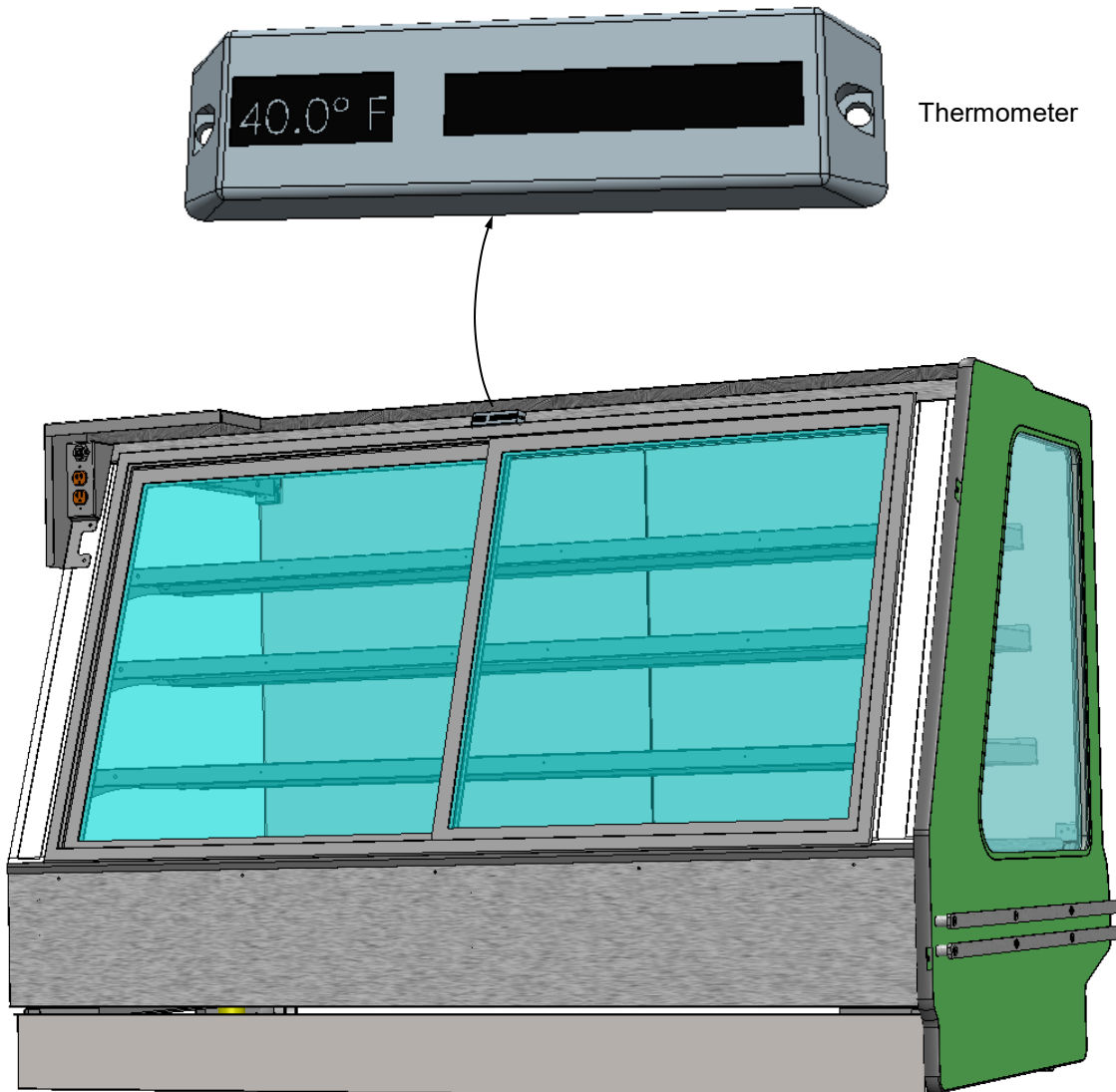
Note: Doors are not interchangeable. There is an inner and outer door.

- The outer door is the right hand door (from the service side or rear of case).
- It is identified by a stop located at the lower right hand corner to the inside of the case.
- To remove, move doors toward the center of the case.
- Outer door must be removed first and replaced last.
- Individually lift each door up toward the top of the case; pivot the bottom of the door out.
- Carefully set rear sliding doors down to prevent them from falling.

- Replace rear sliding doors in reverse order they were removed.

4. Thermometer (Placement and Function)

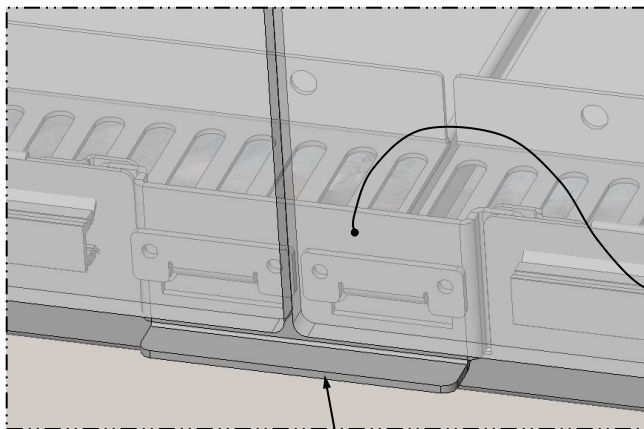
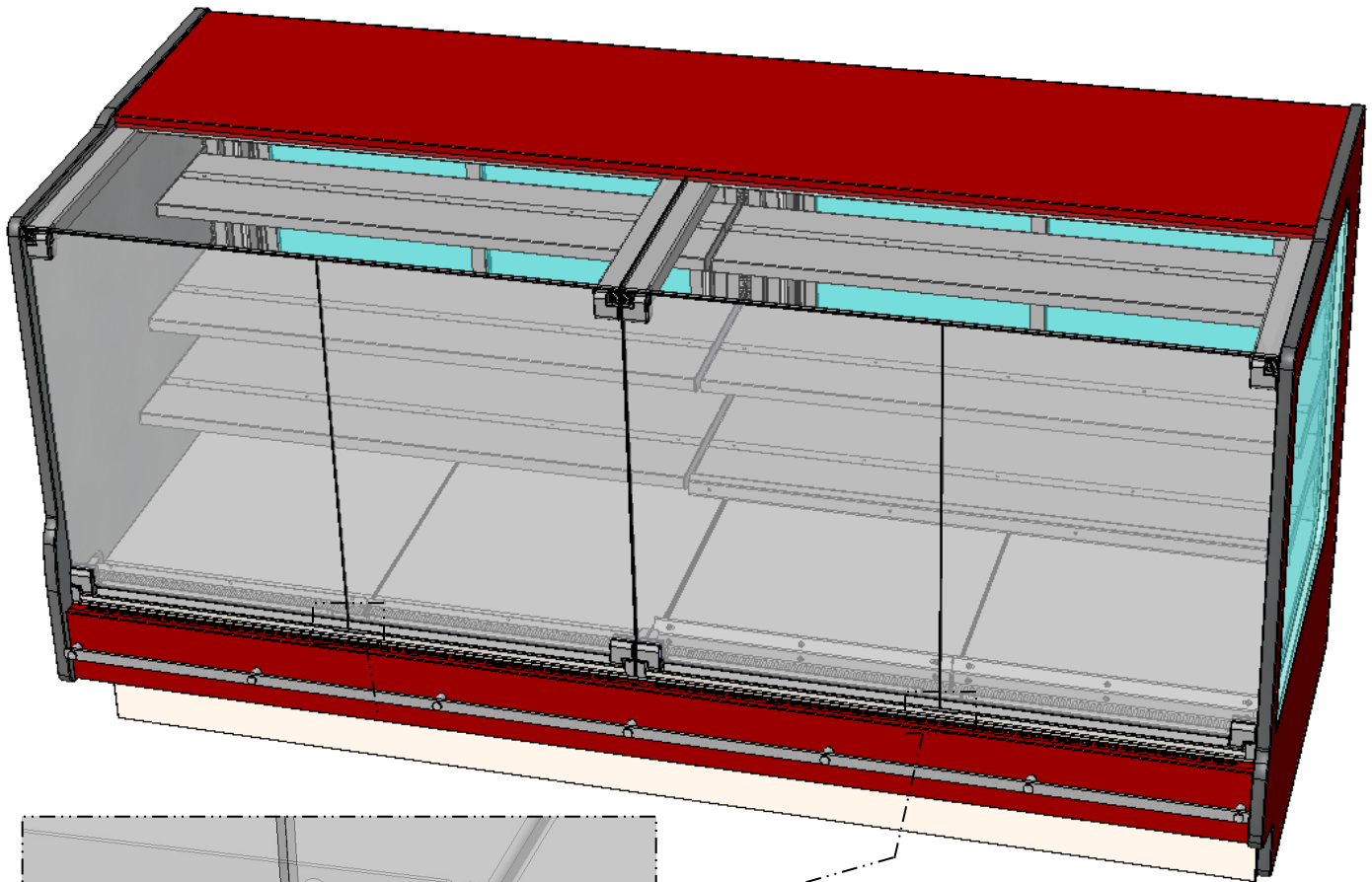
- Thermometers are found at varying locations. Illustration below shows rear-center placement. Yours may vary.
- Thermometers provided with equipment reflect internal air temperature only (NOT actual food temperature).
- Use probe thermometers to determine actual product temperatures.



Thermometer

5. Hinged Front Doors With Locking Mechanism (Model GHSV852RLB Shown)

- Caution! Do not open doors BEYOND their hinges stopping points. Doing so can weaken or break door hinges or glass.
- These models' locking mechanisms prevent easy entry from customers and allows merchandiser to be accessed from front by store personnel only.
- To allow either set of doors to be opened at side hinges, lift upward on locking mechanism, grasp underside of glass doors and slowly open outward.
- Doors will open at side hinges. After access, doors may be slowly closed with light pressure.
- Caution! After doors have fully closed, you must press downward on locking mechanism to prevent doors from being opened by customers.



Partially Disassembled View of
Locking Mechanism (That Prevents
Front Doors From Being Opened)

Lift Up Here To Raise Locking Mechanism
And Allow Doors To Open

GENERAL CLEANING (TO BE PERFORMED BY STORE PERSONNEL)

AREA	FREQ.	INSTRUCTIONS
Exterior	Daily	<u>Front Hinged Glass Doors / Rear Sliding Glass Doors / Side Glass:</u> Clean with a household or commercial glass cleaner. Clean out door track with moist cloth.
	Daily	<u>End Panels, Front Panel, Toe-Kick, Scale Stands, etc.:</u> Wipe off all surfaces with warm water and mild soap solution and non-abrasive cloth.
	Weekly	<u>Wood, Laminate and Painted Surfaces:</u> Clean with mild soap and water solution and a soft cloth.
Interior	Daily	<u>Shelves/Decking:</u> Shelves and decking can be cleaned with a warm soap and water solution. For stubborn stains/residue, decks can be removed and cleaned with soap and water solution or submersed in hot, soapy water solution. Rinse thoroughly. Dry. Return to case.
	Weekly	<u>Shelving Brackets / Air Return Grilles</u> <ul style="list-style-type: none"> • Wipe off shelving brackets and air return grilles with moist cloth. • Shelving brackets can be removed for more thorough cleaning. • Air return grilles can be removed for more thorough cleaning. • Decking is NOT to be removed by store personnel.
	Monthly	<u>Condenser Coil:</u> Vacuum or brush grille condenser coil at case front. Use metal or fiber brush to remove dust and dirt that can collect on condenser coils. Be careful not to damage the fins on the coil. See INSTALLATION section in manual for side panel removal information.

TROUBLESHOOTING (TO BE PERFORMED BY STORE PERSONNEL)

CONDITION	TROUBLESHOOTING
Case Not Lining Up	See INSTALLATION section in this manual for instructions on properly aligning case (alongside other cases) and shimming rails.
Water Is On The Floor	Call service provider.
Fan Emits Excessive Noise	Call service provider.
Case Lights Are Not Working	Check that Light switch is in the <i>on</i> position.
	Check that ALL of the light cords and plugs are properly connected. See MAINTENANCE: LED LIGHT REMOVAL/REPLACEMENT, PLUG/CORD CONNECTION section in manual.
	If case lights still do not come on, call service provider.
Case is Not Holding Proper Temperature	If a large amount of warm product was added to the case, it will take time for the temperature to adjust. Product must be pre-chilled before placing in case.
	Check that the case is not in the sun or near a heat or air-conditioning vent. See OVERVIEW / TECHNICAL INFORMATION / WARNINGS section in this manual for specifics.
	If case is located near front doors, temperature fluctuation can hinder unit's ability to maintain temperature.
	Check air return grilles (area at front of decking) for obstructions. DO NOT set product on air grilles as this will prevent proper airflow!
	If case still is not holding proper temperature, call service provider.

GENERAL CLEANING (TO BE PERFORMED BY TRAINED SERVICE PROVIDERS ONLY)

AREA TO CLEAN	FREQUENCY	INSTRUCTIONS
Case Interior	Monthly	<p><u>Evaporator Fan Shroud Area (Under Decking):</u> <i>Caution! Due to rotating fans in area, turn off case and disconnect plug from wall outlet before beginning fan shroud (and surrounding tub area) cleaning!</i> 1) Turn off power. 2) Remove decks from case. 3) Clean fan shroud area (and surrounding tub area) with moist cloth.</p>
	Quarterly	<p><u>Tub & Drain:</u> <i>Caution! Due to rotating fans in area, turn off case and disconnect plug from wall outlet before beginning tub & drain cleaning!</i> Vacuum tub under decks. Clean with soap and water solution. Wipe dry with clean cloth. Keep drain free of debris to prevent clogging.</p>

CONDITION	TROUBLESHOOTING
Case Not Lining Up	See INSTALLATION section in this manual for instructions on properly aligning case (alongside other cases) and adjusting levelers.
Water Is On The Floor	<p>Caution! Water on flooring can cause much damage! Until cause is determined (and repaired), following these procedures:</p> <ul style="list-style-type: none"> • Use wet-dry vacuum (or mop & bucket) to remove standing water. • Use 'catch pans' for water to drain into. Swap out regularly until case has completely drained. <p>Note: See <i>Drain, Hose and Bracket Placement Illustrations</i> sheet in this manual for views of different condensate systems used in display cases.</p>
	Check that the drain trap is free of debris.
	Check that the drain hose is correctly positioned over condensate pan (or floor drain, for remote units).
	<p>Check store conditions.</p> <ul style="list-style-type: none"> • To prevent condensation in NSF/ANSI Type I environments, maximum conditions are to be 55% relative humidity / 75° Fahrenheit. • For NSF/ANSI Type II environments, maximum conditions are to be 55% relative humidity / 80° Fahrenheit. • If you are unsure if your unit is classified as NSF/ANSI Type I or Type II, see tag next to serial label on your case.

CONDITION	TROUBLESHOOTING
Fan Emits Excessive Noise	Check that the case is aligned, level and plumb.
	Check evaporator fan for cleanliness.
	Unplug/power off fan motors. Check motor shaft for bearing wear.
	Check that fan motors are securely mounted in brackets.
	Verify that fan blades are securely mounted to fan motor.
	Check that nothing is preventing blade rotation.
	Check that the fan shroud is properly secured.
Fans Are Not Working	Check that fans are plugged in at the fan shroud.
	Check for foreign material obstructing fan performance.
	Check that fan blades freely rotate within fan shrouds
	Check that power is going to fans
	Check that fan wiring is connected on terminal blocks.
System Not Operating	Check that the utility power is on.
	Check that the MAIN power switch is on.
	Check the circuit breaker box for tripped circuits.

CONDITION	TROUBLESHOOTING
Case Lights Are Not Working	Check that light switch is in the <i>on</i> position.
	Check that ALL of the light cords and plugs are properly connected. See MAINTENANCE: LED LIGHT REMOVAL/REPLACEMENT, PLUG/CORD CONNECTION section in this manual.
	Service Technicians Only: Check voltage at LED drivers. If voltage is entering but not exiting, LED driver may be faulty.
Control Display Is Flashing	See your case's serial label for your model's specified settings. See SERIAL LABEL LOCATION & INFORMATION LISTED / TECH INFO & SERVICE for label location, etc.
Case Is Not Holding Temperature	If a large amount of warm product was added to the case, it will take time for the temperature to adjust. Unit needs product to be pre-chilled.
	Temperature changes during defrost mode but will return to normal. Fourth LED will indicate defrost cycle in progress.
	Check that case is not in sun or near a heat or air-conditioning vent. See OVERVIEW AND WARNINGS section in manual for adverse conditions/spacing issue parameters.
	If case is located near outside doors, temperature fluctuation can hinder unit's ability to maintain temperature. See OVERVIEW AND WARNINGS section in manual for adverse conditions/spacing issue parameters.
	Check that condenser coil has been cleaned.
	Check air return grilles for obstructions.

PREVENTIVE MAINTENANCE (TO BE PERFORMED BY TRAINED SERVICE PROVIDER)



WARNING! TURN OFF CASE BEFORE PERFORMING PREVENTIVE MAINTENANCE!

PREVENTIVE MAINTENANCE	FREQ.	INSTRUCTIONS
Case Exterior	Quarterly	<u>Under Case Cleaning</u> : Once refrigeration package is clear of unit, vacuum under case to remove dust and dirt that may collect under case.
Case Interior	Quarterly	<u>Tub Area (Evaporator Coil, Drain, Fans, Brackets)</u> : <i>Caution! Disconnect power from the case before cleaning tub, coil, fan, motor and drain area!</i> <ul style="list-style-type: none">• Use vacuum to clean entire area.• After vacuuming, clean area with warm water, clean cloth, and mild soap solution.• Remove any debris that may clog drain.• Wipe down fan blades, motors and brackets with moist cloth.

Serial Label Location & Information Listed / Technical Information & Service

- Serial labels are affixed at a wide range of places (on the header, near thermostat, at case rear, behind panels/toe-kicks, on electrical boxes, etc.).
- Serial labels contain electrical, temperature and refrigeration information, as well as regulatory standards to which the case conforms.
- Sample serial label shown below.
- A wide range of models are shown
- For additional technical information and service, see the *TECHNICAL SERVICE* page in this manual for instructions on contacting Structural Concepts' Technical Service Department.

Structural Concepts®
888 E. Porter Rd - Muskegon, MI 49441

3048256
Conforms to UL Std. 471
Conforms to NSF/ANSI Stds. 2 & 7
CERTIFIED TO CAN/CSA
STD C22.2 NO 120

Super Heat Temp
Defrost

Fusion
Blend
Harmony
Impulse
Oasis

MODEL NRS3648RXV-SAMPLE
SERIAL NO. 12345X30DZ098765

Addenda
Grocerant
Reveal


120/1/60 16 A
R513A AMOUNT 50 OZ
HIGH 186 LOW 88
20A
20A

ELECTRICAL RATING
REFRIGERANT
DESIGN PRESSURE
MINIMUM CIRCUIT AMPACITY
MAXIMUM OVERCURRENT

6-8 °F
6 defrosts per day, 45 °F

FOR PARTS AND SERVICE
CALL 1-800-433-9490

SCAN FOR PRODUCT LITERATURE



Sample QR Code

--- Sample Serial Label For Refrigerated Cases ---

STRUCTURAL CONCEPTS TECHNICAL SERVICE CONTACT INFORMATION & LIMITED WARRANTY

TECH SERVICE/WARRANTY CONTACT INFO:

1 (800) 433-9490 / EXTENSION 1

DAYS/HOURS AVAILABLE:

MONDAY - FRIDAY (CLOSED HOLIDAYS)
8:00 A.M. to 8:00 P.M. EST

YOU MUST HAVE THE FOLLOWING INFO AVAILABLE BEFORE CONTACTING STRUCTURAL CONCEPTS:

SERIAL NO. / MODEL NO. / STORE NO. / STORE
ADDRESS / DETAILS (PHOTOS, LEAK LOCATIONS,
DAMAGE, STORE'S AMBIENT CONDITIONS, ETC.)

To Access The Limited Warranty To Your Case, Follow These Instructions:

> If Viewing This Document on Smart Phone,
Tablet or Computer, Select/Click On The QR
Code at Right.

> If Viewing This Document In Print (Hard
Copy), Scan The QR Code at Right With Your
Smart Phone or Tablet.

