HUSSMANN®

Glass Lids

for Low Temperature Single Deck Wall & Island Merchandisers



Upgrade Installation Instruction Manual

IMPORTANT

Keep in store for future reference!

P/N 0531456_A Excel Series April 2013

Spanish P/N 0534094_A French P/N 0534095 A

P/N 0531456 A iii



BEFORE YOU BEGIN

Read these instructions completely and carefully.







Safety Glasses



Long-Sleeve Shirt



Long Pants



Safety Shoes



Wear protective clothing when handling glass! Severe lacerations may occur if glass breaks during handling.



It is the contractor's responsibility to install glass lid(s) in accordance with all local building and health codes.

⚠ CAUTION

Always wear long pants, a long-sleeve shirt, protective boots or shoes, gloves and safety glasses when handling glass.

ANSI Z535.5 DEFINITIONS



• **DANGER** – Indicate[s] a hazardous situation which, if not avoided, will result in death or serious injury.



• WARNING – Indicate[s] a hazardous situation which, if not avoided, could result in death or serious injury.



• **CAUTION** – Indicate[s] a hazardous situation which, if not avoided, could result in minor or moderate injury.

• **NOTICE** – *Not related to personal injury* – Indicates[s] situations, which if not avoided, could result in damage to equipment.

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REVISION HISTORY

ORIGINAL ISSUE — April 2013

IMPORTANT KEEP IN STORE FOR FUTURE REFERENCE

Quality that sets industry standards!

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GLASS LIDS INSTALLATION PREPARATION

LOCATION

Low temperature merchandisers are designed for displaying products in air conditioned stores where temperature is maintained at or below the ANSI / NSF-7 specified level and relative humidity is maintained at or below 55%.

Placing refrigerated merchandisers in direct sunlight, near hot tables or near other heat sources could impair their efficiency.

Like other merchandisers, these are sensitive to air disturbances. Air currents passing around merchandisers will seriously impair their operation. Do NOT allow air conditioning, electric fans, open doors or windows, etc. to create air currents around the merchandisers.

Product should always be maintained at proper temperature. This means that from the time the product is received, through storage, preparation and display, the temperature of the product must be controlled to maximize the life of the product.

Excel wall models have internal frames. A 3 inch (76 mm) space between the rear of the merchandiser and wall must be maintained for air circulation. However, in high ambient conditions, sweating may still occur. If this happens install a method of forced ventilation such as a fan ventilation kit.

Wide Island Fronts

BE SURE TO POSITION WIDE ISLAND MERCHANDISER FRONTS PROPERLY.

The front of a wide island merchandiser is readily identified by the location of the serial plate. Since all electrical and refrigeration connections will be made at the front side, the fronts will need to be positioned according to the store plan layout.

SHIPPING DAMAGE

All equipment should be thoroughly examined for shipping damage before and during unloading.

This equipment has been carefully inspected at our factory. Any claim for loss or damage must be made to the carrier. The carrier will provide any necessary inspection reports and/or claim forms.

Apparent Loss Or Damage

If there is an obvious loss or damage, it must be noted on the freight bill or express receipt and signed by the carrier's agent; otherwise, carrier may refuse claim.

Concealed Loss Or Damage

When loss or damage is not apparent until after equipment is uncrated, retain all packing materials and submit a written request to the carrier for inspection, within 15 days.

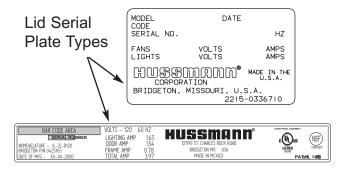
SERIAL PLATE LOCATION

To identify the Hussmann case that is to to have glass lids installed on them, do the following: Direct a flashlight through the return air grille to locate the serial plate. The front of a wide island merchandiser is readily identified by the location of the serial plate affixed to the inside of the left front assembly. A secondary serial number sticker is put on the exterior nosing on the discharge side. It provides the model, serial number and manufacture date.



LIDS SERIAL PLATE

Lids have a serial plate. One of the serial plate layouts below is attached to the lids frame. Refer to the lids serial number and model number for parts and warranty claims related to the lids upgrade.



EXTERIOR LOADING

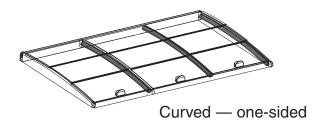
Do NOT walk on top of merchandiser because damage to the merchandiser and serious personal injury could occur. They are not structurally designed to support excessive external loading such as the weight of a person. Do not place heavy objects on the merchandiser.

UNPACK LID FRAMES

Unpack the frame assembly pieces, and keep the packaging material that protects it. Remove all separately packed accessories such as lighting kits, glass lids and price moulding.

Merchandisers that are used as an end case such as FWE-L and FWEG-L are shipped with a **one-sided** lid kit.

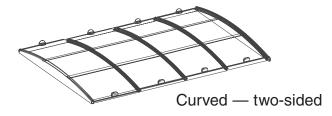




F-L and FG-L are wall cases, and have a one-sided frame. FWE-L and FWEG-L are used as island end cases, and use a one-sided lid frame.



FI-L, FIG-L, FN-L and FNG-L use two-sided lid frames, with 2 glasses (no top center glass)



FW-L and FWG-L use two-sided lid frames. (3 glass design)

Use the cardboard packaging as protection on the floor in order to avoid scratches or damage to the product. Wet glass may be slippery. Use caution when handling glass parts.

Two-sided frames should be installed after all refrigeration and electrical work is complete.

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If this is a new case installation or the cases need to be moved before installing the glass lids, refer to the Hussmann Low Temperature Installation Manual online at Hussmann.com.

This manual contains important installation, maintenance and service information for F-series merchandisers.

MERCHANDISER LEVELING

Merchandisers must be installed level to ensure proper operation of the refrigeration system and to ensure proper drainage of defrost water. Case rails must be level so that lid frames can be securely attached. Close attention to position and operation must be maintained during all steps of setting, joining and leveling merchandisers.

NOTE: BEGIN LINEUP LEVELING FROM THE HIGHEST POINT OF THE STORE FLOOR.

Preparation

- 1. Using store blueprints, measure and mark on floor the exact dimensions/locations of the merchandiser footprint. A three (3) inch space is required behind each wall merchandiser, or lineup of merchandisers to prevent condensation. A three (3) inch space is also required at ends of merchandiser, or merchandiser lineup to prevent condensation.
- 2. Snap a chalk line for the front and rear positions of the base legs.
- 3. Mark the location of each joint from front to back lines.

4. FLOORS ARE NOT LEVEL!!! When joining two or more merchandisers, all cases in the lineup must be leveled on the same plane, left to right and front to back. This means that the entire lineup must be brought up to the level of the highest merchandiser in the lineup.

Along the lines previously marked, find the highest point of the floor by:

- Walking the floor and noticing any dips or mounds;
- Using a string level or laser level; and
- Using a transit.

Leveling

Position the first merchandiser at the highest point on the floor. Work outward from that point to create the merchandiser line-up.

Use a 48 inch (1220 mm) or longer level for end-to-end leveling. The discharge nosing of the merchandiser is a good location for the level at the rear of the merchandiser (center of wide island), and the handrail or return nosing is a good location for the level at the front of the merchandiser. For leveling the merchandiser front-to-rear, a 24 inch (610 mm) level should be placed on the flange of the merchandiser end frame. Suggested level locations are shown in the following illustrations on the next page.

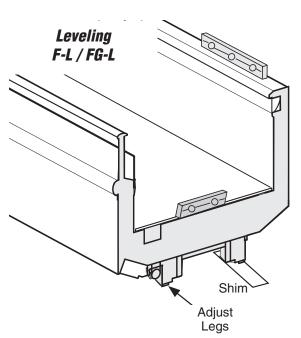


A 3-inch space is required from walls at rear and ends of merchandiser(s) to prevent condensation.

Leveling Wall Merchandisers

Level the case by all four corners. Start at the rear by placing the provided shims as needed under each end of the rear base rail. The shims are long enough to allow adjoining wall cases to be leveled with the same shim. When the rear of the case is level end-to-end, move to the front of the case. Use an 18 mm open end wrench to screw down the levelers at each front corner so that the front is also level from end-to-end. At this point, check to see if the case is level front-to-rear. If it is not, turn each front corner leveler up or down the same amount of turns until the case is level front-to-rear.

The merchandiser should be solidly supported at least every 4 feet (1220 mm). Once the merchandiser is level, if any gaps are present, shims should be inserted under the rear base rail approximately in line with the center front support legs to support the rear of the case. At the front of the case, screw down the levelers on each of the center support legs so that they contact the floor and support the front of the merchandiser.

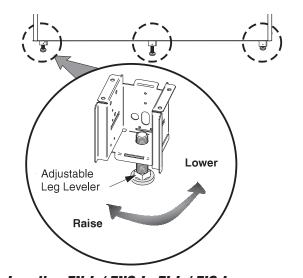


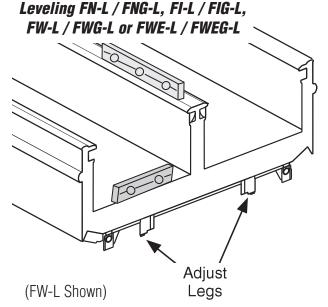
NOTE: Do not place levels on Display Pans or on Racks.

Leveling Narrow, Intermediate, Wide Island or End Merchandisers with Adjustable Legs

Position the first merchandiser at the highest point. Set a long level (4 ft [1220 mm] or more) on top of the discharge air flue. Use an open-end wrench to turn leg levelers until the merchandiser is level from end to end and from front to back. Check all 6 legs on 8 ft (2438 mm) merchandisers, or 8 legs on 12 ft (3658 mm) merchandisers.

NOTE: To avoid removing concrete flooring, begin lineup leveling from the highest point of the store floor.





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CLEAN MERCHANDISER RAILS

All rail surfaces should be cleaned before installing the lid frames. This helps provide a smooth, clean surface to attach the adhesive frames.

Use non-abrasive cleaning materials, and always polish with grain of the steel. Use warm water or add a mild detergent to the water and apply with a cloth. Always wipe rails dry after wetting.

Use alkaline chlorinated or non-chlorine containing cleaners such as window cleaners and mild detergents. Do not use cleaners containing salts as this may cause pitting and rusting of the stainless steel finish. Do not use bleach.

Clean frequently to avoid build-up of hard, stubborn stains. A stainless steel cleaning solution may be used periodically to minimize scratching and remove stains.

Rinse and wipe dry immediately after cleaning. Never use hydrochloric acid (muriatic acid) on stainless steel.

MARNING

— LOCK OUT / TAG OUT —

To avoid serious injury or death from electrical shock, always disconnect the electrical power at the main disconnect when servicing or replacing any electrical component. This includes, but is not limited to, such items as doors, lights, fans, heaters, and thermostats.

REPLACE FAN BLADES

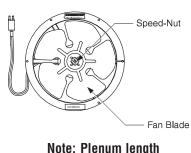
FAN BLADES MUST BE REPLACED BEFORE INSTALLING GLASS LIDS!

Refer to the case data sheet for each model to identify the general location of the fan blades. These data sheets are available at Hussmann.com.

See data sheet cross section for location of evaporator fans. Be certain that the fan blades are replaced correctly.

For access to evaporator fans:

- 1. Remove Product from case, and placein cooler. Turn off power.
- 2. Remove wire racks and display pans from the compartment being serviced.
- 3. Disconnect fan from wiring harness.
- 4. Remove fan blade.
- 5. Replace fan blade.
- 6. Reconnect fan to wiring harness.
- Note: Plenum length and number of fans will vary with model.
- 7. Turn on power.
- 8. Verify that motor is working and blade is turning in the correct direction.
- 9. Replace display pans and wire racks. Bring merchandiser to operating temperature before restocking.



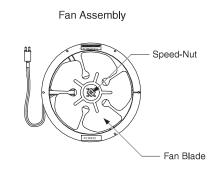
Fan Assembly

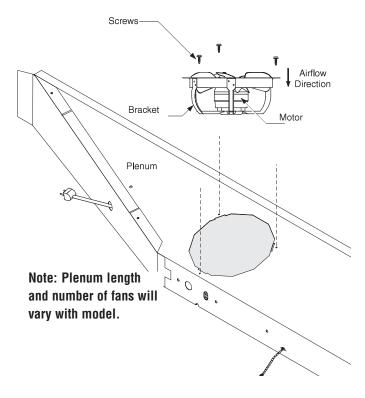
REPLACING FAN MOTORS

Some lids retrofit may require a change in the fan motors to energy efficient fan motors. Follow the steps below to change the fan motors prior to installing the glass lids.

For access to evaporator fans:

- 1. Turn off power.
- 2. Remove wire racks and display pans from the compartment being serviced.
- 3. Disconnect fan from wiring harness.
- 4. Remove fan blade.
- 5. Remove screws holding fan motor/bracket assembly to plenum and remove assembly.
- Replace fan motor/bracket assembly and reinstall screws.
- 7. Reinstall fan blade.
- 8. Reconnect fan to wiring harness.
- 9. Turn on power.
- 10. Verify that motor is working and blade is turning in the correct direction.
- 11. Replace display pans and wire racks. Bring merchandiser to operating temperature before restocking.





MARNING

— LOCK OUT / TAG OUT —

To avoid serious injury or death from electrical shock, always disconnect the electrical power at the main disconnect when servicing or replacing any electrical component. This includes, but is not limited to, such items as doors, lights, fans, heaters, and thermostats.

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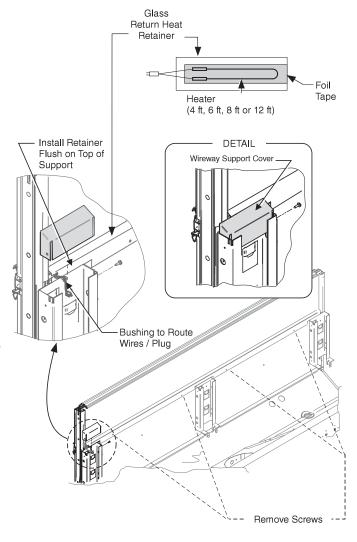
REPLACING RETURN AIR HEATER

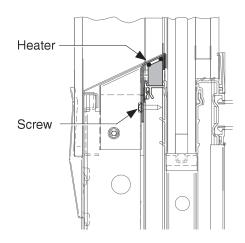
To replace the heater:

- 1. Turn OFF the power to the merchandiser.
- 2. Remove return grilles, package guard and interior panel from the compartment being serviced.
- 3. Remove screw and wireway cover.
- 4. Unplug existing return air heater. The return air heater plug is routed on RH side from front of merchandiser (end opposite the main serial plate).
- 5. Remove screws and retainer.
- 6. Remove the foil tape and heater from the retainer.
- 7. Clean thoroughly. Remove all adhesive and residue. Wipe surface with alcohol to ensure new heater tape will adhere properly.
- 8. Install new heater and tape in retainer as shown.
- 9. Reinstall retainer, routing plug to jumper harness; plug in.
- 10. Reinstall wireway cover, interior panel, package guard, return air grilles, display pans and wire racks.
- 11. Turn on power to merchandiser and check for proper operation.



Io avoid serious injury or death from electrical shock, always disconnect the electrical power at the main disconnect when servicing or replacing any electrical component. This includes, but is not limited to, such items as doors, lights, fans, heaters, and thermostats.

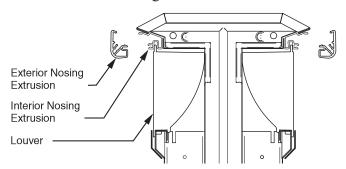




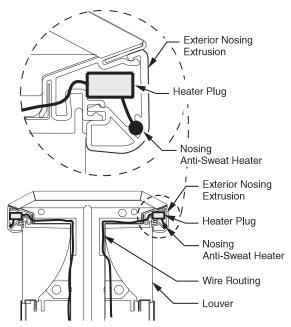
REPLACING NOSING ANTI-SWEAT HEATER

To replace the heater:

- 1. Turn OFF the power to the merchandiser.
- 2. Remove a louver from one end. It doesn't matter which end.
- 3. Remove exterior nosing extrusion by placing fingers at the back end of the extrusion and pulling forward until it separates from the interior nosing extrusion.



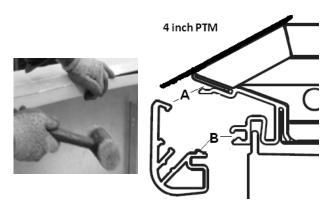
- 4. Unplug and remove existing anti-sweat heater. The anti-sweat heater plug is routed on RH side from front of merchandiser (end opposite the main serial plate).
- 5. Install new anti-sweat heater as shown and route plug to jumper harness; plug in.



6. Do the following to reattach exterior nosing extrusion to interior nosing extrusion:

There are two joining locations "A" and "B" that must be fastened to the interior nosing extrusion. "A" can be positioned in place by hand. Use a rubber mallet to snap "B" into place at interior extrusion. A light to medium tap is all that is required.

NOTE: It is easier to reinstall plastic extrusion if wide PTM is removed.



7. Replace discharge air louver, retainers and fasteners.



8. Turn on power to merchandiser, and check for proper operation.



— LOCK OUT / TAG OUT —

To avoid serious injury or death from electrical shock, always disconnect the electrical power at the main disconnect when servicing or replacing any electrical component. This includes, but is not limited to, such items as doors, lights, fans, heaters, and thermostats.

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INSTALLING FRAMES AND GLASS LIDS

FRAME INSTALLATION

FW-L, FWG-L, FI-L, FIG-L, FN-L and FNG-L use two-sided lid frames. F-L and FG-L are wall cases, and have a one-sided frame.

FWE-L and **FWEG-L** are used as island end cases, and also have a one-sided lid frame.

ATTENTION: Hussmann does not recommend using a power drill. If using a power drill, Do NOT use more than 2 N/m torque.

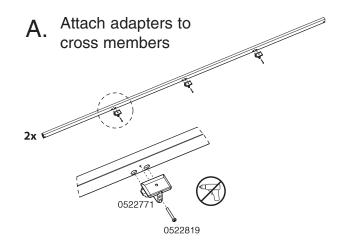
ASSEMBLING FRAMES - TWO-SIDED

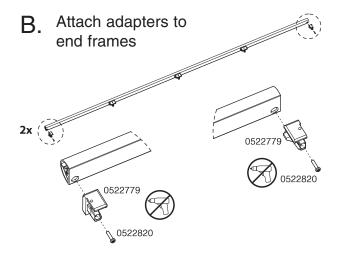
- 1. Clean the hand rails of the island merchandisers thoroughly.
- 2. Make sure the island and handrails are leveled.
- 3. Remove wrapping materials from the frame assembly. Clean the frame assemblies thoroughly.

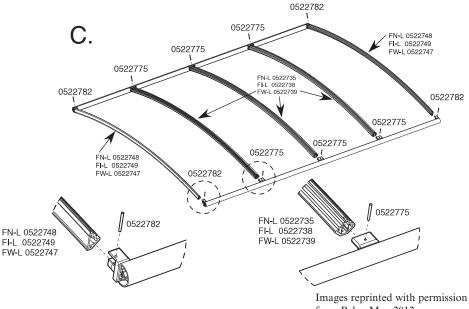
Refer to the cover part descriptions on Page, 2-3 and 2-4 to identify the parts and quantities for two-sided lids in the instructions detailed at right.

NOTE:

If frames are shipped pre-assembled, Steps A, B and C are not required.







from Behr -May 2012

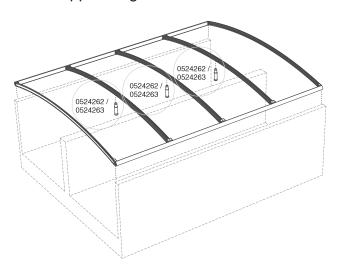
2-2 Installing Frames and Glass Lids

4. Place the two-sided frame on top of the merchandiser, and center the frame to the top of the case. Mark the location with a grease pencil.





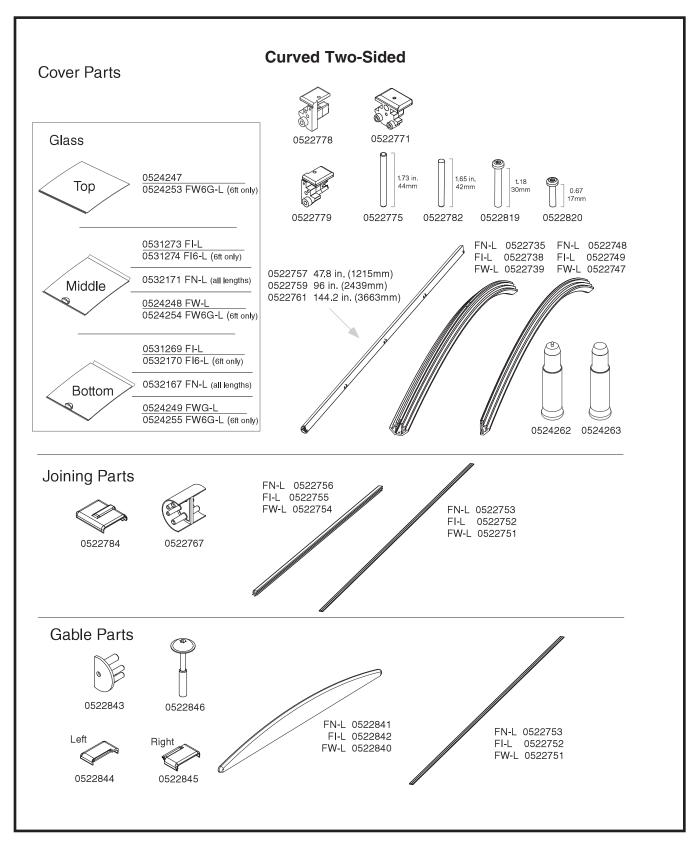
D. Attach Rail Support Legs



- 5. If the island has a center flue, attach frame supports. The support legs are pressed into the holes under the cross profiles and adjusted using a level.
- 6. Adjust center frame support height as necessary so that frame radius matches the glass radius.
- 7. Press o-ring down so that it covers the gap between the mounting parts. Apply clear silicone over the o-ring to seal any remaining gap.



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PARTS IDENTIFICATION CHART

2-4 INSTALLING FRAMES AND GLASS LIDS

		Quantities						
Hussmann	D	0522019		0521518		0522049		0522050
Part #s	Description	FW12L	FW12GL	FW8L	FW8GL	FW4L	FW4GL	FW6GL
0522775	Pin 2	10	10	6	6	2	2	4
0522771	Adapter 2 for side profile	10	10	6	6	2	2	4
0522757	Side profile L:1215,6mm					2	2	
0522778	Adapter right MJ	2	2	2	2	2	2	2
0522782	Pin 3 MJ	4	4	4	4	4	4	4
0522779	Adapter left MJ	2	2	2	2	2	2	2
0522759	Side profile L: 2439,2mm			2	2			
0522761	Side profile L: 3662,8mm	2	2					
0522738	Cross profile 2, Prepared for LED and Pricerail	5	5	3	3	1	1	2
0522752	Guide profile MJ L:1289mm							
0522751	Guide profile MJ L:1881,2mm	1	1	1	1	1	1	1
0522754	T-Profile MJ L:1975,2mm	1	1	1	1	1	1	1
0522767	Connector side profile MJ	2	2	2	2	2	2	2
0522784	Cap, adapter MJ	2	2	2	2	2	2	2
0522819	Screw, WN 1452 K 4x30	10	10	6	6	2	2	4
0522820	Screw, WN 1452 K 4x30, processed	4	4	4	4	4	4	4
0522747	Cross profile one sided MJ, Prepared for LED,	2	2	2	2	2	2	2
0524247	Top glass 2-sided - Assembly	6	6	4	4	2	2	
0524248	Middle glass 2-sided - Assembly	6	6	4	4	2	2	
0524249	Bottom glass 2-sided - Assembly	6	6	4	4	2	2	
0524253	Top glass 2-sided - Assembly							3
0524254	Middle glass 2-sided - Assembly							3
0524255	Bottom glass 2-sided - Assembly							3
0524262	Support Leg - Assembly	5	5	3	3	1	1	3
0524263	Support Leg, MJ - Assembly	1	1	1	1	1	1	1

		Quantities				
Hussmann	Description	052	22063	0522064		0522065
Part #s	23334	FI12L	FI12GL	FI8L	FI8GL	FI6L
0522775	Pin 2	10	10	6	6	4
0522771	Adapter 2 for side profile	10	10	6	6	4
0522778	Adapter right MJ	2	2	2	2	2
0522782	Pin 3 MJ	4	4	4	4	4
0522779	Adapter left MJ	2	2	2	2	2
0522759	Side profile L: 2439,2mm			2	2	
0522761	Side profile L: 3662,8mm	2	2			
0522739	Cross profile 2, Prepared for LED and Pricerail, L:1333mm	5	5	3	3	2
0522752	Guide profile MJ L:1289mm	1	1	1	1	1
0522767	Connector side profile MJ	2	2	2	2	2
0522784	Cap, adapter MJ	2	2	2	2	2
0522819	Screw, WN 1452 K 4x30	10	10	6	6	4
0522820	Screw, WN 1452 K 4x30, processed	4	4	4	4	4
0522749	Cross profile one sided MJ, Prepared for LED, L:1333mm	2	2	2	2	2
0522755	T-Profile MJ L: 1383mm	2	2	2	2	1
0531273	Middle glass 2-sided - Assembly	6	6	4	4	
0531269	Bottom glass 2-sided - Assembly	6	6	4	4	
0531274	Middle glass 2-sided - Assembly					3
0532170	Bottom glass 2-sided - Assembly					3
0524264	alu. Reinforcement, 30x10mm, L: 1277mm	5	5	3	3	2
0524265	alu. Reinforcement, 15x10mm, L: 1277mm	2	2	2	2	2

P/N 0531456_A 2-5

		Quantities						
		052	0522057 0522058 0522055 0522056 0					0522529
Hussmann Part #s	Description	FN12L	FN12GL	FN8L	FN8GL	FN6L	FN10GL	FN4L
0522775	Pin 2	10	10	6	6	4	8	2
0522771	Adapter 2 for side profile	10	10	6	6	4	4	2
0522757	Side profile L:1215,6mm							2
0522778	Adapter right MJ	2	2	2	2	2	2	2
0522782	Pin 3 MJ	4	4	4	4	4	4	4
0522779	Adapter left MJ	2	2	2	2	2	2	2
0522759	Side profile L: 2439,2mm			2	2			
0522761	Side profile L: 3662,8mm	2	2					
0522767	Connector side profile MJ	2	2	2	2	2	2	2
0522784	Cap, adapter MJ	2	2	2	2	2	2	2
0522735	Cross profile 2, Prepared for LED and Pricerail, L:956,6mm	5	5	3	3	2	4	1
0522819	Screw, WN 1452 K 4x30	10	10	6	6	4	10	2
0522820	Screw, WN 1452 K 4x30, processed	4	4	4	4	4	4	4
0522753	Guide profile MJ L:912,6mm	1	1	1	1	1	1	1
0522756	T-Profile MJ L:1006,6mm	1	1	2	2	2	1	1
0522748	Cross profile one sided MJ, Prepared for LED, L:956,6mm	2	2	2	2	2	2	2
0532171	Middle glass 2-sided - Assembly	6	6	4	4		5	2
0532167	Bottom glass 2-sided - Assembly	6	6	4	4		5	2
0532172	Middle glass 2-sided - Assembly					3		
0532168	Bottom glass 2-sided - Assembly					3		

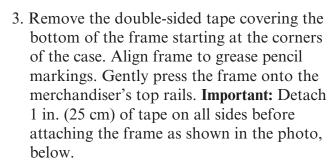
INSTALLING TWO-SIDED GLASS PANES

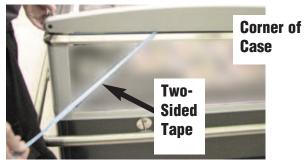
- 1. Unpack all of the glass panes. Always wear eye protection and gloves when handling glass. Make sure the glass panes are clean before installing.
- 2. Install the corner glass pieces first. Measure glass panes. Fit glass into tracks. Adjust the frame until the sliding glasses all glide effortlessly.

Important: If the frame is not mounted correctly, glasses will be unable to glide.

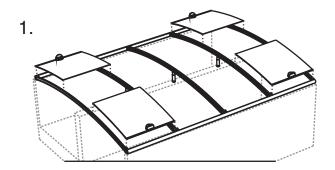


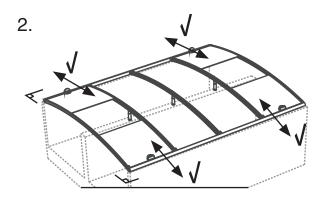
AVOID SERIOUS PERSONAL INJURY. Use caution when handling glass. Always wear protective eye wear and gloves when handling glass. Wet or damp glass may be slippery.

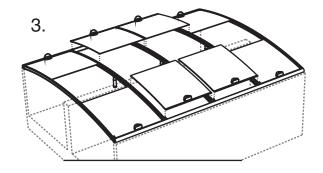




NOTE: Glass panes are of different sizes, and fit into separate tracks, so they do not collide when sliding. Refer to parts list on Page, 1-3.





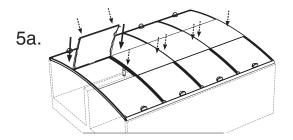


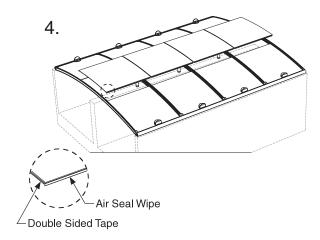
P/N 0531456 A 2-7

4. For FW-L, FWG-L Cases only — Place the center glass panes. Make sure the middle glass is centered between the two outer panes (curved two-sided). There should be about a half-inch overlap.

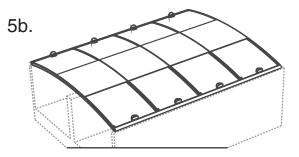
NOTE: Center glass has different sealings. If in doubt about how glass fits, trial fit the glass without removing the double-sided tape.

5. Remove double-sided tape paper from the center glass panes, starting at the corners. Press glass pane down for proper tape adhesion.





The air seal wipes have two sizes. The **tallest air** seal wipe fits on the lid side that slides on the bottom track.



INSTALLING PRICE TAG MOULDING

One-sided and two-sided lids may have an optional price profile. The price profile is placed along the centerline of the sliding glass lids.

1. The feet are fitted in the holes on the cross profiles.





2. The price profiles are placed on the feet, leveled with the inside of the gables.

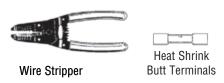


3. End caps are placed on the price profile.



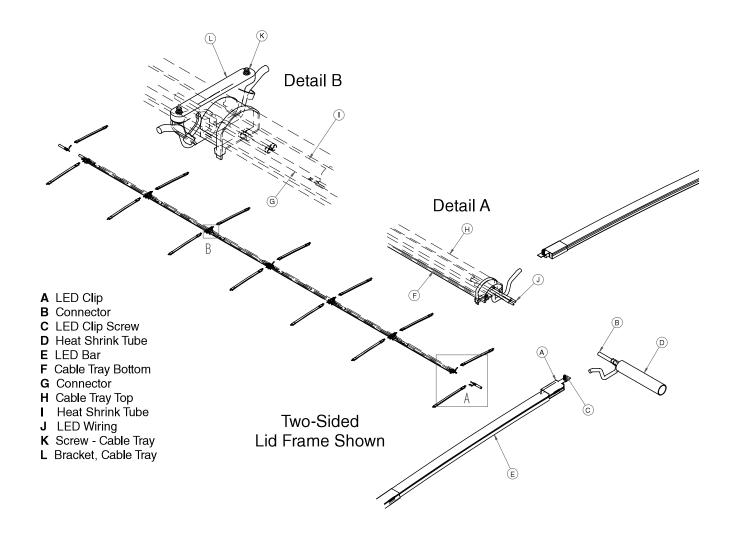
TWO-SIDED LED LIGHT INSTALLATION

- 1. LED luminaire should only be used with Kaimei Electric Corp. BAAB1100LE202 LED array driver, rated input 120/277 V, 60 hz, 1.0/0.4A, rated Class 2 output 24 Vdc, 4.1A.
- 2. Connect LED cords using wire strippers and approved wire connectors.



⚠ CAUTION

All wiring must be in compliance with NEC and local codes. All electrical connections are to be made in the electrical wireway or *Handy Box*.



P/N 0531456_A 2-9

- 3. Snap the cable trays in the clips.
- 4. Snap the LED bars in place.
- 5. Fit the cable into a white tray along the gable and down the air return of the island.

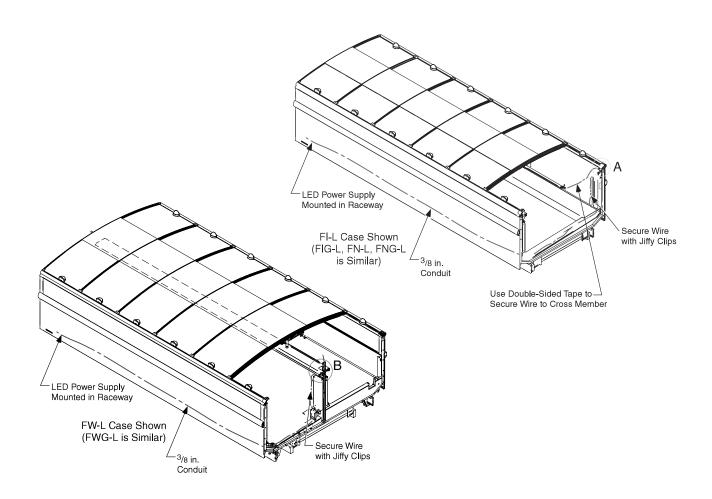
NOTE:

LEDs may be factory installed. If this is the case, Steps 1-5 are not required.

- 6. To connect LED wiring from an adjacent island merchandiser, pass cable all the way through the raceway.
- 7. Feed wiring to power supply as shown below.

NOTE:

Lids do not have a light switch. Lights will be on continuously. Install a light switch if required. (All electrical codes must be followed.)



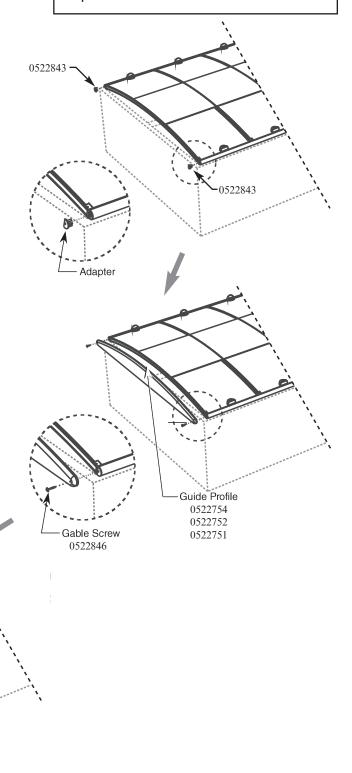
ATTACHING GABLES -TWO SIDED

- 1. Insert the gable adapters inside the end rails. If a drill is used, make sure the drill is set to the lowest torque setting. Frame may crack if screws are torqued too much.
- 2. Insert guide profile in gable groove and align the portion that extends out from gable into the cross member profile groove.
- 3. Attach gable with gable screws.
- 4. Insert clip covers.

NOTE: Refer to two-sided parts list on Page, 2-4 and 2-5.

NOTE:

Gables may be factory installed. If this is the case, Steps 1-4 are not required.



0522845

P/N 0531456_A 2-11

1.

0522752

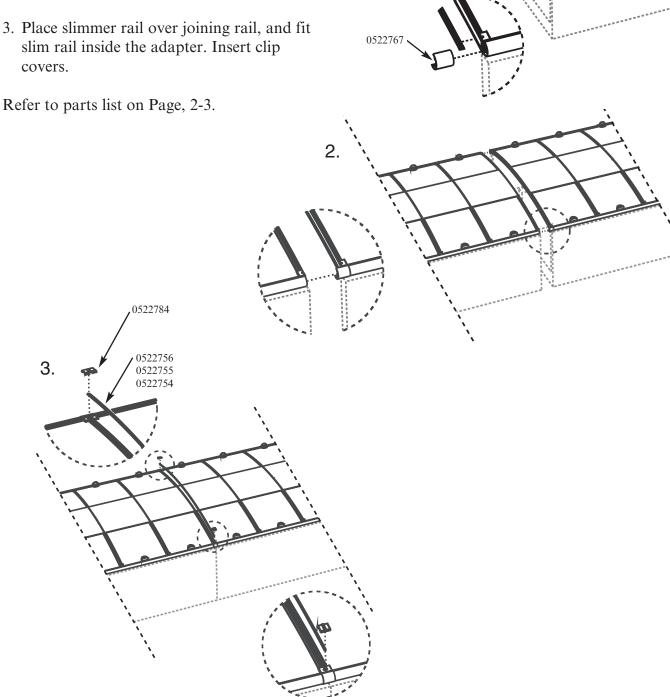
0522751

JOINING LID FRAMES - TWO-SIDED

1. Insert the joining adapters between the end rail and the joining rail.

2. If a drill is used, make sure the drill is set to the lowest torque setting. Frame may crack if screws are torqued too much.

3. Place slimmer rail over joining rail, and fit slim rail inside the adapter. Insert clip



ASSEMBLING FRAMES - ONE-SIDED

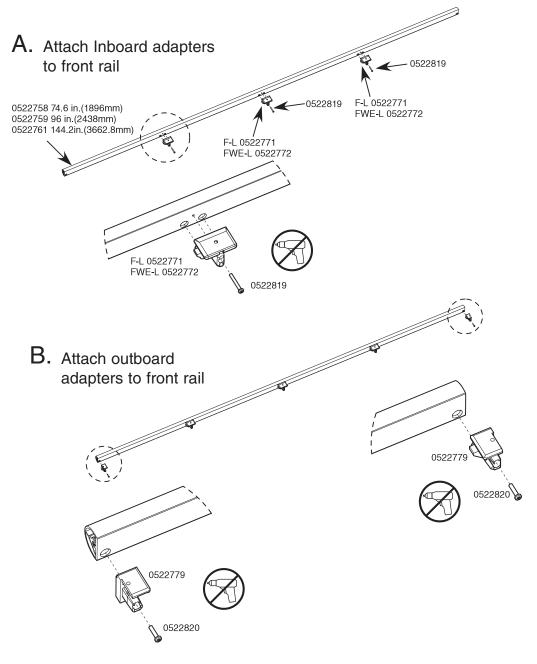
2-12

- 1. Clean the hand rails of the end or wall merchandisers thoroughly.
- 2. Make sure the island and handrails are leveled.
- 3. Remove wrapping materials from the frame assembly. Clean the frame assemblies thoroughly.

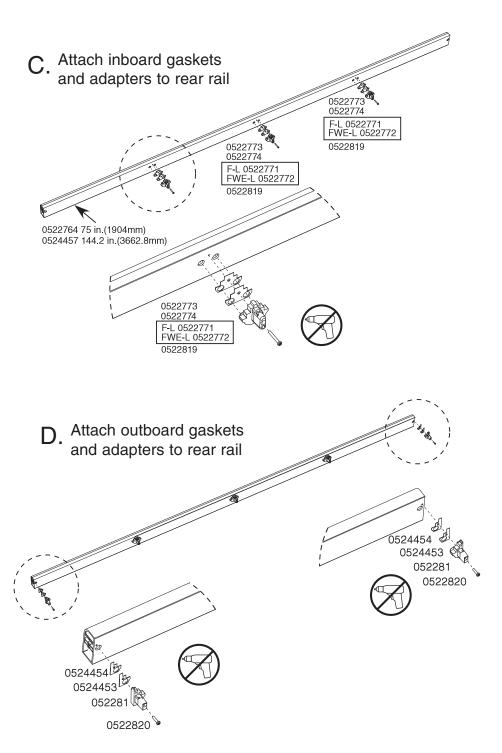
NOTE:

Frames may be shipped pre-assembled. If this is the case, Steps A-E are not required.

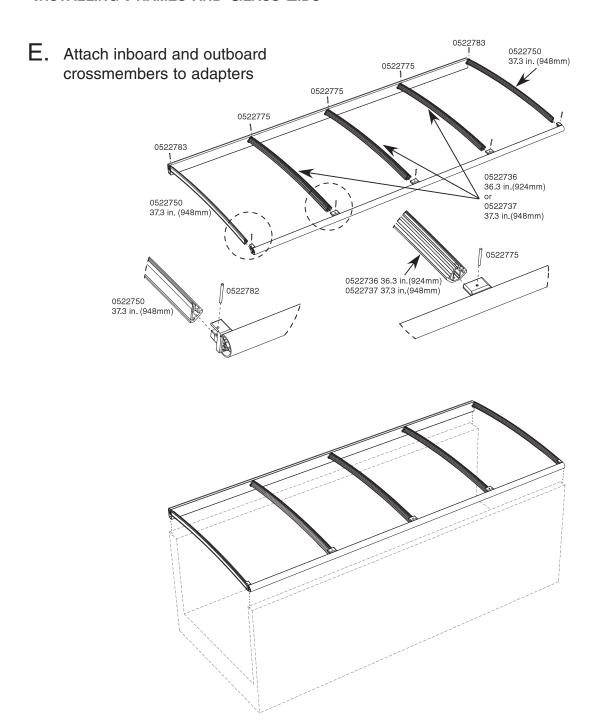
Refer to the cover part descriptions on Page 2-3 - 2-5 to identify the parts and quantities for two-sided lids in the illustrations below.



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2-14 INSTALLING FRAMES AND GLASS LIDS



4. Place the one-sided frame on top of the merchandiser, and center the frame to the top of the case. Mark the location with a grease pencil.





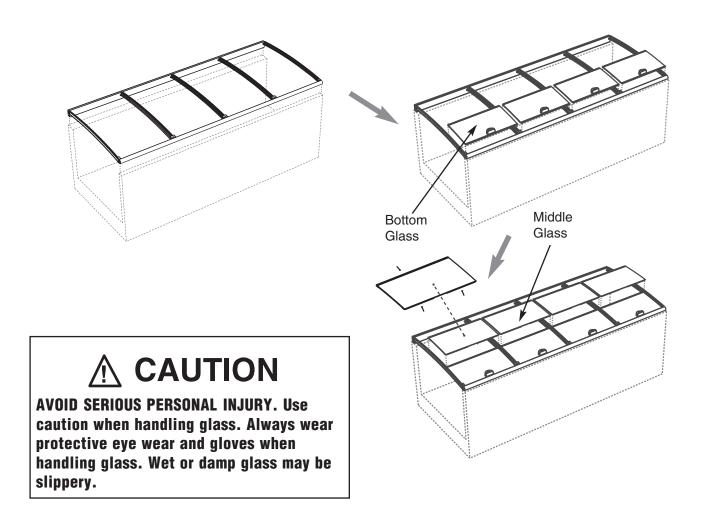
P/N 0531456 A 2-15

INSTALLING ONE-SIDED GLASS PANES

- 1. Clean the hand rails of the island merchandisers thoroughly.
- 2. Make sure the Island and Handrails are Leveled. If merchandisers are not leveled, see page 1-3 for leveling instructions.
- 3. Remove wrapping materials from the frame assembly. Clean the frame assemblies thoroughly.
- 4. Place the one-sided frame on top of the merchandiser, and center the frame to the top of the case. Mark the location with a grease pencil.

- 5. Unpack all of the glass panes. Always wear eye protection and gloves when handling glass. Make sure the glass panes are clean before installing.
- 6. Install the sliding glass pieces first. Measure glass panes. Glass fits into tracks.

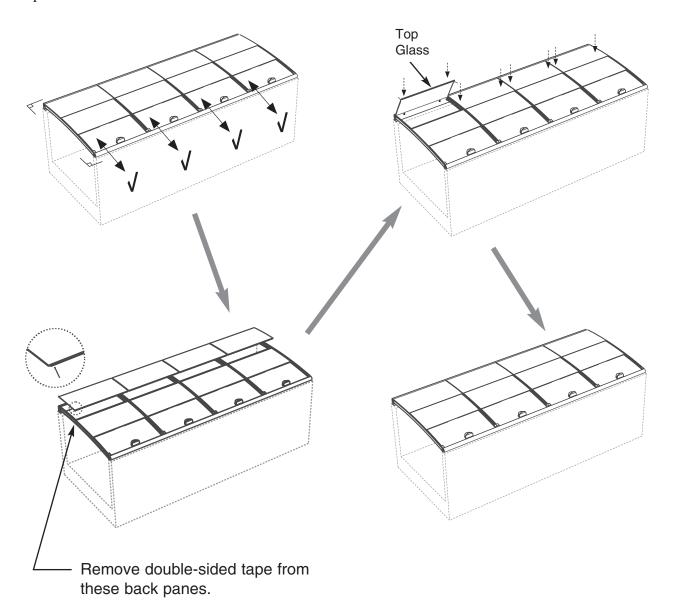
Refer to parts list on Page, 2-18.



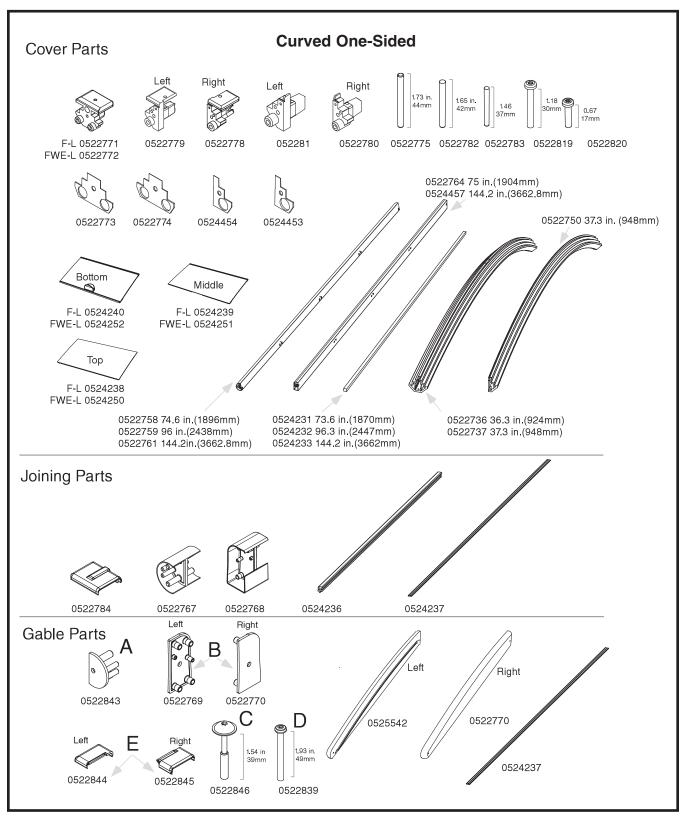
7. Adjust the frame until the sliding glasses all glide effortlessly.

NOTE: If the frame is not mounted correctly, glasses will be unable to glide.

8. Place the back glass panes last. Remove double sided tape paper from the glass panes. Press glass pane down for proper tape adhesion.



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PARTS IDENTIFICATION CHART

2-18 INSTALLING FRAMES AND GLASS LIDS

Hussmann	Description		ntities
Part #s			FWEGL
0522775	Pin 2	4	4
0522771	Adapter 2 for side profile	2	2
0522772	Adapter 2 for back profile	2	2
0522764	Back profile L: 1904,0mm	1	1
0524234	Right Gable w. cross profile - assembly	1	1
0524235	Left Gable w. cross profile - assembly	1	1
0522758	Side profile L: 1896,0mm	1	1
0522763	End cap for side profile	2	2
0522773	Wedge 1,2mm	2	2
0522774	Wedge 1,7mm	2	2
0522736	Cross profile 2, Prepared for LED and Pricerail, L: 924,1mm	2	2
0522838	Screw, Z1451 K 5x40	2	2
0522819	Screw, WN 1452 K 4x30	4	4
0522839	Screw, M4x50	2	2
0524231	Fill strip L:1870	1	1
0524250	Top glass 1-sided - Assembly	3	3
0524251	Middle glass 1-sided - Assembly	3	3
0524252	Bottom glass 1-sided - Assembly	3	3

		Quantities					
Hussmann		0522061 0			522062		
Part #s	Description	F12L	F12GL	F8L	F8GL		
0522775	Pin 2	10	10	6	6		
0522771	Adapter 2 for side profile	5	5	3	3		
0522772	Adapter 2 for back profile	5	5	3	3		
0522778	Adapter right MJ	1	1	1	1		
0522782	Pin 3 MJ	2	2	2	2		
0522779	Adapter left MJ	1	1	1	1		
0522759	Side profile L: 2439,2mm			1	1		
0522761	Side profile L: 3662,8mm	1	1				
0524236	T-Profile MJ L: 998,3mm	1	1	2	2		
0522767	Connector side profile MJ	1	1	1	1		
0522774	Wedge 1,7mm	10	10	6	6		
0524237	Guide profile MJ L:904,3mm	1	1	1	1		
0522784	Cap, adapter MJ	1	1	1	1		
0522819	Screw, WN 1452 K 4x30	10	10	6	6		
0522820	Screw, WN 1452 K 4x30, processed	4	4	4	4		
0522737	Cross profile 2, Prepared for LED and Pricerail, L:948,3mm	5	5	3	3		
0522768	Connector back profile MJ	1	1	1	1		
0522780	Adapter right MJ, processed	1	1	1	1		
0522781	Adapter left MJ, processed	1	1	1	1		
0524232	Fill strip L:2447,2			1	1		
0524233	Fill strip L:3670,8	1	1				
0524238	Top glass 1-sided - Assembly	6	6	4	4		
0524239	Middle glass 1-sided - Assembly	6	6	4	4		
0524240	Bottom glass 1-sided - Assembly	6	6	4	4		
0522750	Cross profile one sided MJ, Prepared for LED (nb 4 holes), L:948,3mm	2	2	2	2		
0524453	Wedge 1,7mm MJ	1	1	1	1		
0524454	Wedge 1,2mm MJ	1	1	1	1		
0524457	Back profile L: 3662,8mm	1	1				
0522773	Wedge 1,2mm	10	10	6	6		

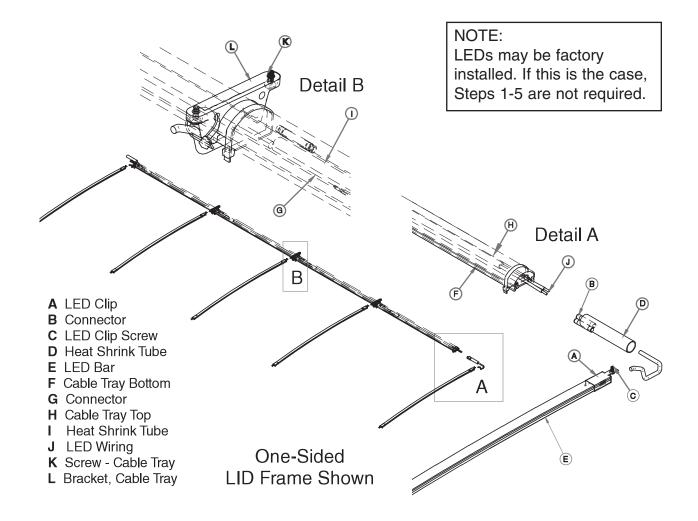
P/N 0531456 A 2-19

LED LIGHT INSTALLATION - ONE-SIDED

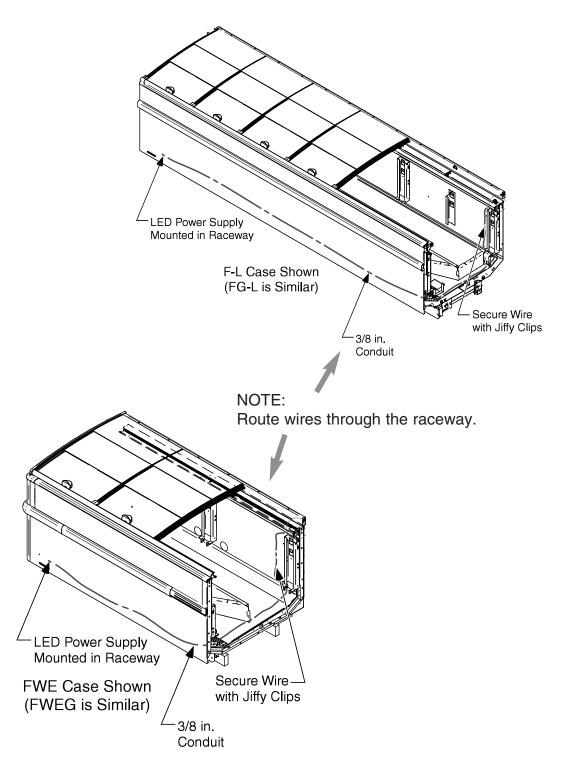
- 1. LED luminaire should only be used with Kaimei Electric Corp. BAAB1100LE202 LED array driver, rated input 120/277 V, 60 hz, 1.0/0.4A, rated Class 2 output 24 Vdc, 4.1A.
- 2. Connect LED cords using wire strippers and approved wire connectors.
- 3. Snap the cable trays in the clips.
- 4. Snap the LED bars in place.
- 5. Fit the cable into a white tray along the gable and down the air return of the island.

NOTE:

Lids do not have a light switch. Lights will be on continuously. Install a light switch if required. (All electrical codes must be followed.)



2. Inspect the LEDs installation and wiring. All wiring should be secured using jiffy clips or secured with double-sided tape.

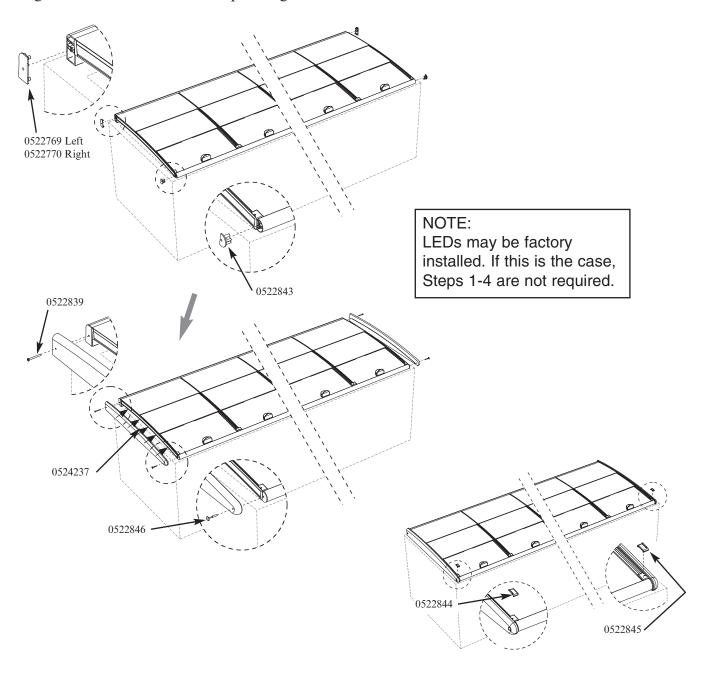


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ATTACHING GABLES -ONE SIDED

- 1. Insert the gable adapters inside the end rails. If a drill is used, make sure the drill is set to the lowest torque setting. Frame may crack if screws are torqued too much.
- 2. Insert guide profile in gable groove and align the portion that extends out from gable into the cross member profile groove.
- 3. Attach gable with gable screws.
- 4. Insert clip covers.

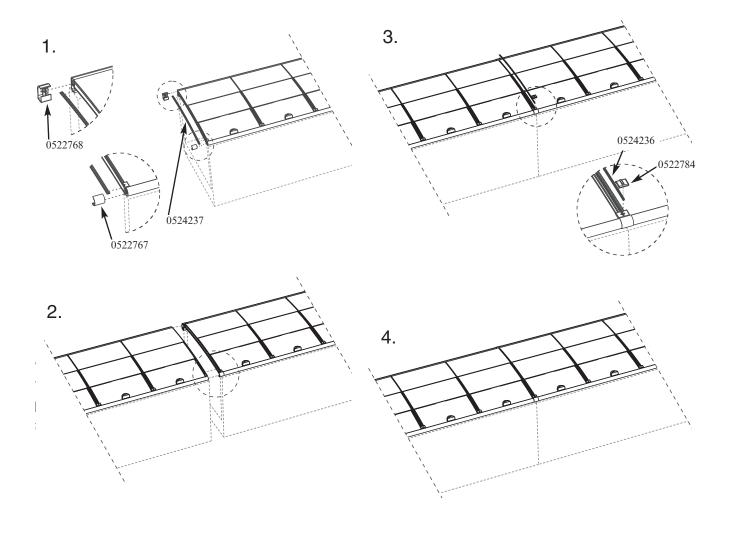
NOTE: Refer to one-sided parts list on Page, 2-18.



JOINING LID FRAMES - ONE-SIDED

- 1. Insert the joining adapters between the end rail and the joining rail.
- 2. If a drill is used, make sure the drill is set to the lowest torque setting. Frame may crack if screws are torqued too much.
- 3. Place slimmer rail over joining rail, and fit slim rail inside the adapter. Insert clip covers.

Refer to parts list on Page, 2-18.



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START UP

See the merchandiser's Data Sheet for refrigerant settings and defrost requirements. Bring the merchandiser down to the operating temperatures listed on the data sheet.

STOCKING

PRODUCT SHOULD NOT BE PLACED IN MER-CHANDISERS UNTIL MERCHANDISER IS AT PROPER OPERATING TEMPERATURE.

Proper rotation of product during stocking is necessary to prevent product loss. Always bring the oldest product to the front and set the newest to the back.

AIR DISCHARGE AND RETURN FLUES MUST REMAIN OPEN AND FREE OF OBSTRUCTION AT ALL TIMES to provide proper refrigeration and air curtain performance. Do not allow product, packages, signs, etc. to block these grilles. Do not use non-approved shelving, baskets, display racks, or any accessory that could hamper air curtain performance.

↑ CAUTION

At no time should merchandisers be stocked beyond the load limits indicated. Improper stocking can cause poor performance that results in spoiled food.

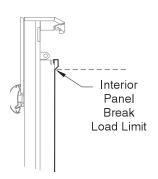
LOAD LIMITS

Each merchandiser has a load limit decal.

LOAD LIMIT

SHELF LIFE OF PERISHABLES WILL BE SHORT IF LOAD LIMIT IS VIOLATED. OVERSTOCKING WILL ADVERSELY AFFECT PRODUCT TEMPERATURE AND MERCHANDISER EFFICIENCY. THE LOAD LIMIT IS THE BOTTOM OF THE INTERIOR PANEL BREAK. RECOMMENDED LOAD LIMIT PROFILES ARE SHOWN ON THE NEXT PAGE.

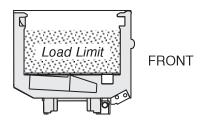
THE LOAD LIMIT OF THE MERCHANDISER MUST ALWAYS BE MAINTAINED. IF THE MERCHANDISER IS OVER STACKED THE GLASSES WILL NOT CONDENSATE.



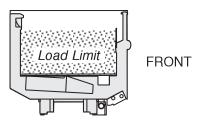
CLEANING SLIDING GLASS LIDS

Glass and sliding track should be cleaned weekly. Use a soft cloth and a mild detergent such as window cleaner. Never use high pressure water or abrasive detergents such as solvents, acidic, ammonia, or chloric or oil-based acids.

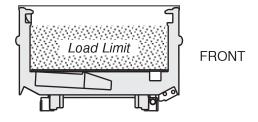
F-L FWE-L



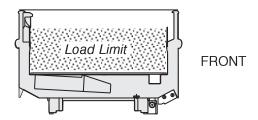
FG-L FWEG-L



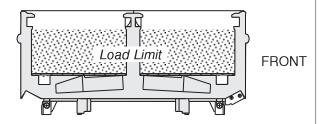
FN-L FI-L



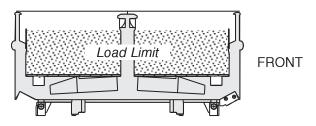
FNG-L FIG-L



FW-L



FWG-L



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REMOVING GLASS LIDS / SERVICING INTERNAL CASE COMPONENTS

REMOVING GLASS LIDS

There may be instances when the glass lid frames need to be removed, such as prior to replacing a damaged rail heater or other major internal components.

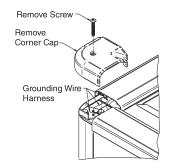
To remove the frames:

- 1. Remove the glass panes from the lid frames, and set them aside. Always wear eye protection, long pants and gloves when handling glass.
- 2. See Section 2, and follow the steps to remove the joints from the lid frames that are joined together.
- 3. Use a flat putty knife or plastic dry wall spreader to pry the frame from the top rails of the merchandiser.
- 4. After repair work is completed, refer to Section 2 of this manual to reassembly the lids. The two-sided tape will need to be replaced.

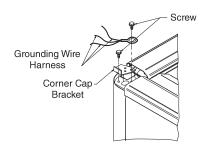
REPLACING HAND RAIL HEATER (SOLID FRONTS)

To replace the heater:

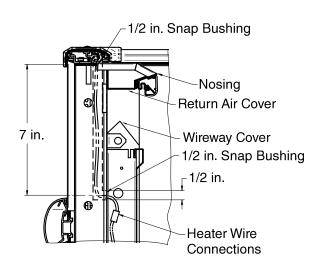
- 1. Turn OFF the power to the merchandiser.
- 2. Remove return grilles, package guard and interior panel as needed from the compartment being serviced.
- 3. Remove screw and corner cap.



4. Remove screws, grounding wire harness and corner cap bracket.



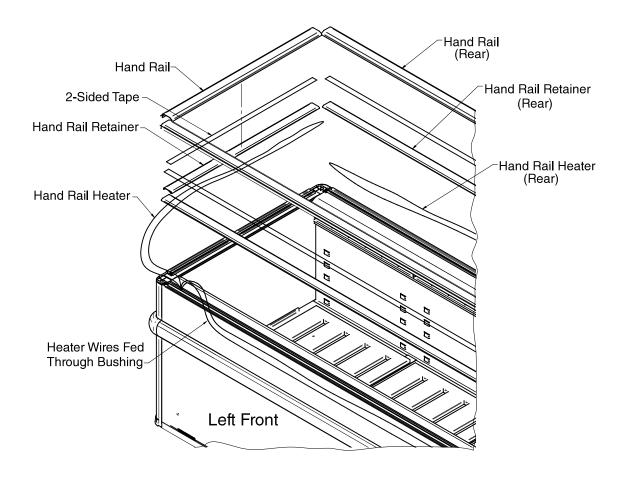
- 5. Remove hand rails, hand rail retainers and heater from hand rail retainers.
- 6. Remove wireway cover.



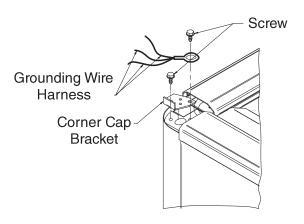
MARNING

— LOCK OUT / TAG OUT —
To avoid serious injury or death from electrical shock, always disconnect the electrical power at the main disconnect when servicing or replacing any electrical component. This includes, but is not limited to, such items as doors, lights, fans, heaters, and thermostats.

4-2 Removing Glas Lids / Servicing Internal Components



- 7. Disconnect, and remove hand rail heater from wireway.
- 8. Replace heater connections and re-route new heater onto hand rail retainers.
- 9. Clean rail surfaces thoroughly, then install new hand rail heater.
- 10. Reinstall parts in reverse order. Any damaged parts must be replaced.



Metal top rail must be properly grounded.

P/N 0531456_A 4-3

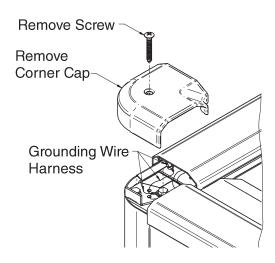
REPLACING HAND RAIL HEATER (GLASS FRONTS)

To replace the heater:

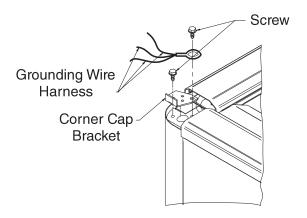
- 1. Turn OFF the power to the merchandiser.
- 2. Remove wire racks, display pans, return grilles, package guard and interior panel from the compartment being serviced.

Hand rail heater connections are located in left front corner of merchandiser (near serial plate). FWEG-L heater connections are at right rear corner of merchandiser.

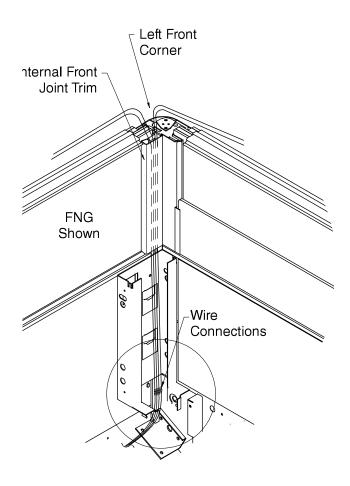
3. Remove screw and corner cap.



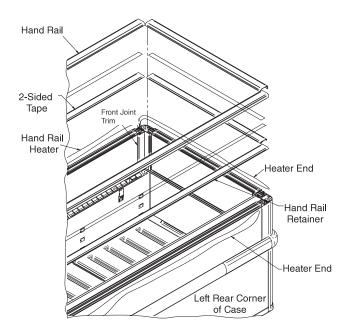
4. Remove screws, grounding wire harness and remove corner cap bracket.



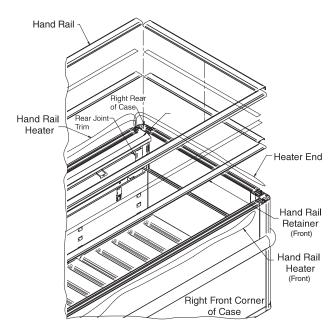
- 5. Remove hand rails, hand rail retainers and heater from hand rail retainers.
- 6. Remove interior joint trim and wireway cover.



4-4 Removing Glas Lids / Servicing Internal Components

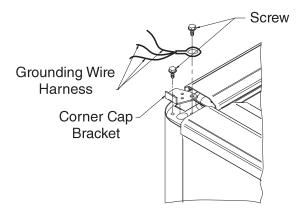


Hand Rail Heater Connections are Located in Left Front Corner of Merchandiser (Near Serial Plate)



FWEG-L Heater Connections are at Right Rear Corner of Merchandiser

- 7. Disconnect and remove hand rail heater from wireway.
- 8. Replace heater connections and re-route new heater through internal front joint trim and onto hand rail retainers as shown.
- 9. Clean rail surfaces thoroughly, then install new hand rail heater.
- 10. Reinstall parts in reverse order. Any damaged parts must be replaced.



Metal top rail must be properly grounded.



— LOCK OUT / TAG OUT —
To avoid serious injury or death from electrical shock, always disconnect the electrical power at the main disconnect when servicing or replacing any electrical component. This includes, but is not limited to, such items as doors, lights, fans, heaters, and thermostats.

HUSSMANN®

To obtain warranty information or other support, contact your Hussmann representative. Please include the model and serial number of the product.

Hussmann Corporation, Corporate Headquarters: Bridgeton, Missouri, U.S.A. 63044-2483 01 October 2012

Hussmann Corporation 12999 St. Charles Rock Road Bridgeton, MO 63044

www.hussmann.com