

This instruction explains how to join 8 in. and 10 in. top piping partitions to FIG and FW merchandisers.

Do not remove the shipping braces until the merchandisers are moved to their final location in the store.

The cases must first be carefully unloaded and positioned appropriately. All cases must be leveled before joining partitions! Cases and partitions will not fit together properly if they are not leveled with supplied shims.



Review the low temperature case installation instructions part number — 0467434 BEFORE installing the partition kit.
(This manual is shipped with each case and can also be found at Hussmann.com)

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Read and understand all instructions before beginning this installation!

Joining Parts List for 8 in. FI Partition - KIT MI36

Item No.	Quantity	Part No.	Description
1.	1	0514674	Partition Assembly 8 in.
2.	2	0513527	Bumper Retainer
3.	2	0513283	Handrail Retainer
4.	2	0513284	Handrail Trim (Glass/Solid)
5.	2	0512903	Panel - Front Solid
6.	2	0512904	Panel - Upper Front Partition
7.	2	0137315	Gasket 1/2 x 1/2 x 120
8.	6	0515016	Threaded Rod 5/16-18 x 12 in.
9.	12	0000409	Flat Washer 1/2
10.	12	0376407	Hex Nut 1/2 -13
11.	2	0465828	Upper Splashguard Retainer
12.	2	0463457	Front Splashguard Retainer
13.	2	0513291	Splashguard 8 in.
14.	12	0019822	Sheet Metal Screw 10-16 x 3/4

Joining Parts List for 10 in. FI Partition - KIT MA79

Item No.	Quantity	Part No.	Description
1.	1	0514681	Partition Assembly 10 in.
2.	4	0513528	Bumper Retainer
3.	2	0465845	Handrail Retainer (Solid)
4.	2	0511328	Handrail Trim (Glass/Solid)
5.	2	0514670	Panel - Front Solid
6.	2	0514671	Panel - Upper Front Partition
7.	2	0137315	Gasket 1/2 x 1/2 x 120
8.	8	0515016	Threaded Rod 5/16-18 x 12 in.
9.	12	0000409	Flat Washer 1/2
10.	12	0376407	Hex Nut 1/2 -13
11.	2	0465828	Upper Splashguard Retainer
12.	2	0463457	Front Splashguard Retainer
13.	2	0465846	Splashguard 10 in.
14.	12	0019822	Sheet Metal Screw 10-16 x 3/4

Carefully unpack and inspect all partition kits.

Merchandiser must be leveled with shims before joining. Refer to the installation instructions shipped with the frozen food cases. The instruction part number is 0467434.




The partition is to be installed between cases in order to “top pipe” case refrigeration lines.


1

Prep Parent Merchandiser and End Case

- A. Check to be sure that merchandisers are level. Locate joining kit and check contents.
- B. Remove wire racks, display pans, and interior panels. No tools are needed. **NOTE:** FW merchandisers have joining fasteners inserted in the appropriate locations. Remove nuts and washers from outside of end merchandiser before attempting to join.

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.

 **WARNING**
 — 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.



**ATTENTION
INSTALLER**

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

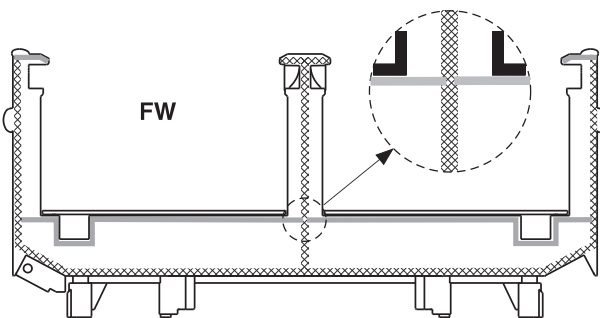
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Apply Gaskets to Parent Merchandiser

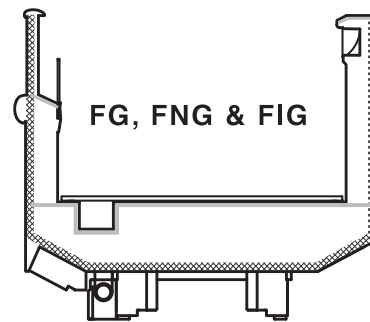
- A. Apply the 1⁵/₈ in. (41 mm) gasket around the perimeter of the merchandiser as shown. It must be at the edge. Check to be sure that there are no gaps between gasket and merchandiser.
- B. Apply the 1 in. (25 mm) gasket across the end shoe as shown. Each end of the gasket should extend onto the 1⁵/₈ inch gasket but not over. Check to be sure that there are no gaps between merchandiser and gaskets.
- C. On narrow and intermediate islands, wall merchandisers, and cases, apply the 1 in. (25 mm) gasket at the top of the discharge and return air flues as shown. On wide islands, apply the 1 in. (25 mm) gasket at the top of return air flues as shown. Apply the 1⁵/₈ in. (41 mm) gasket at the top of the discharge (center) flue as shown.

IMPORTANT

- Do not stretch gasket, especially around corners.
- Do not butt gaskets; always overlap them as shown.
- Remove paper backing after gasket has been applied.
- *Perimeter gasket is required by NSF.*



1 5/8 x 1/2 Foam Gasket
 1 x 1/2 Foam Gasket

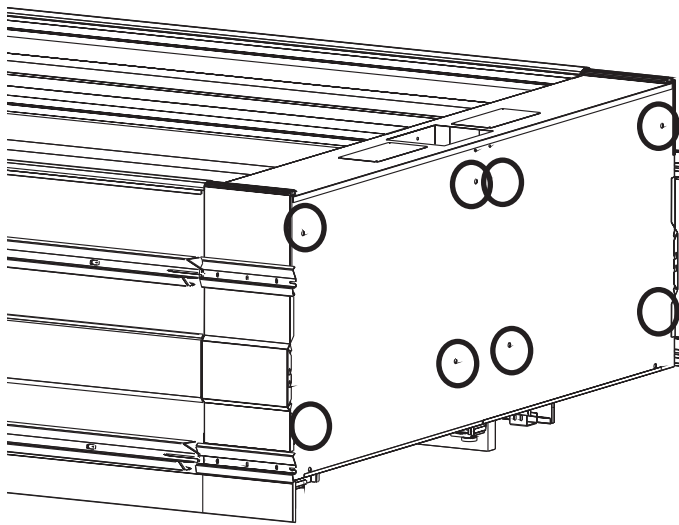
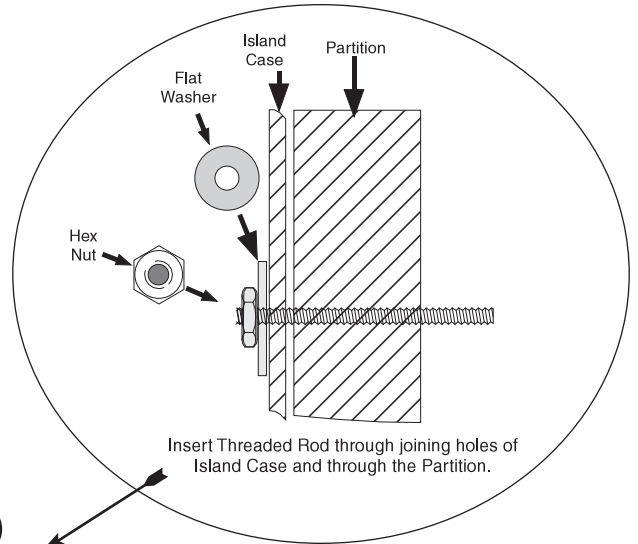


1 5/8 x 1/2 Foam Gasket
 1 x 1/2 Foam Gasket

3

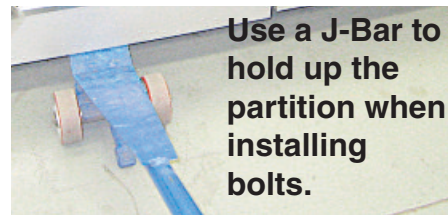
Align partition with parent merchandiser.

- A. Assemble partition(s) using threaded rods, washers and nuts. Two persons are required to align partition to parent case if no J-Bar or lift is used. Align upper and lower partition panels and bumper retainer(s).

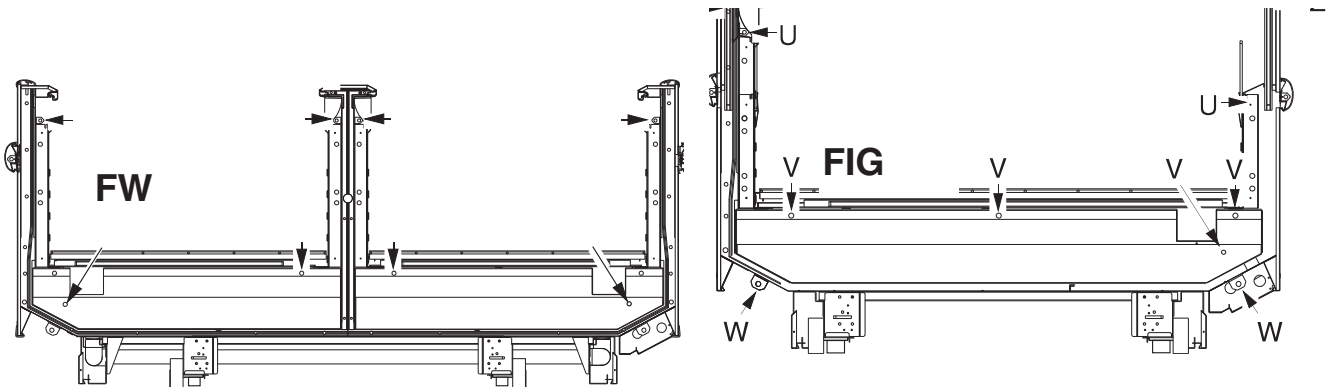


FW parent merchandiser (shown) with 10 in. partition installed

Threaded rod is inserted through case hole locations first, and then through cross section of partition at circled locations.



Partition Bolt Hole Locations



4

Verify upper front panel, front panel, bumper retainer, and top rail align with parent case before fastening.

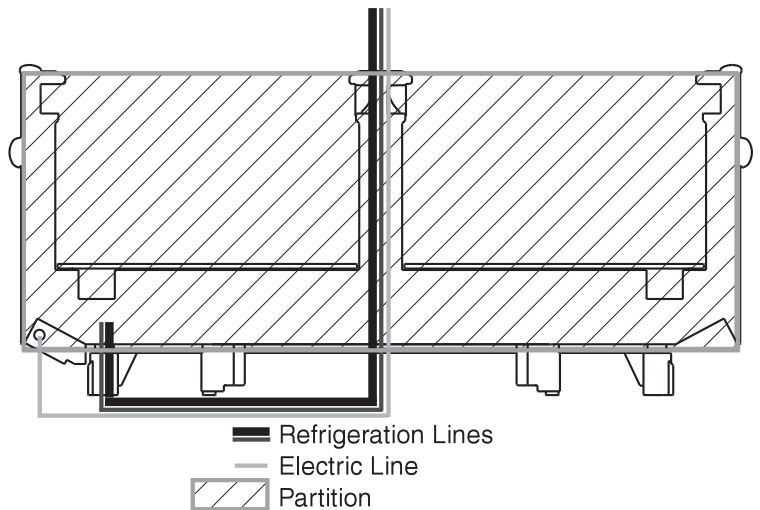
- A. Shim and adjust the position of the partition as needed. The partition assembly can be adjusted vertically using supplied shims.
- B. Slight horizontal adjustments of the partition can be made by moving the partition by hand. The side panels, bumpers and rails must align on both sides.



5

Route Piping from case through top of Partition.

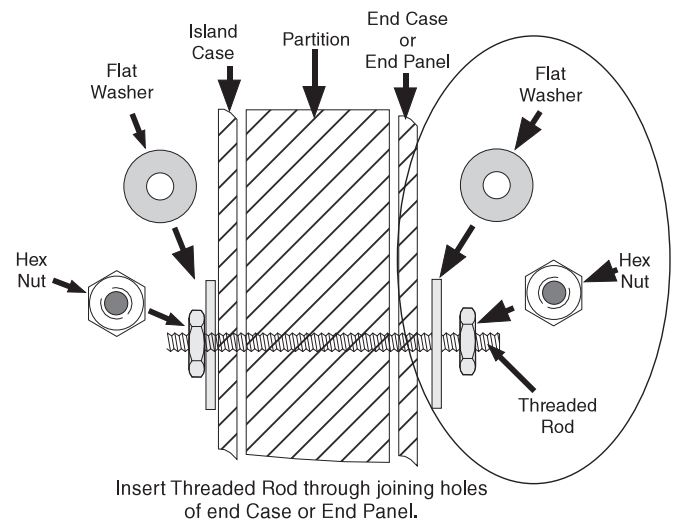
- A. Remove the partition cover plate, and route refrigeration and electrical piping as shown in the illustration at right.
- B. All piping lines must be insulated!



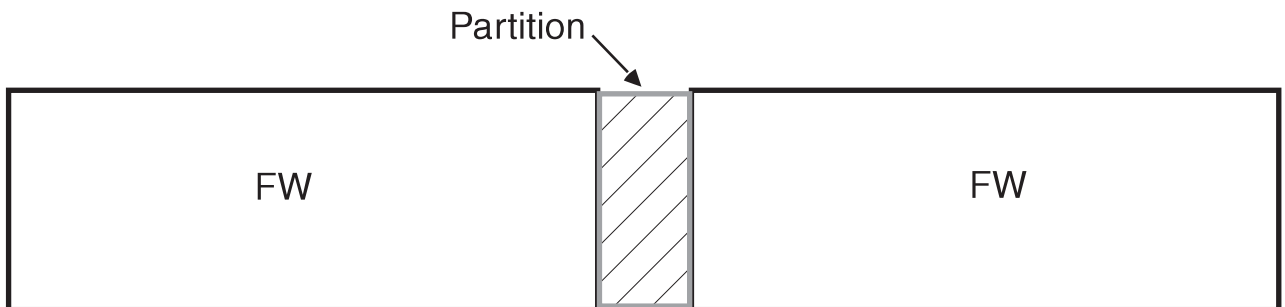
6

Attach next case in lineup, end case or end panel to partition.

- A. Install end case to partition — similar to parent case installation. Remove display racks, pans, front rack supports and front air grilles from section of case where end is to be installed. Remove the interior back panel.
- B. Apply gaskets to end frame.
- C. Fasten end case or end panel to partition. Use threaded rod washer and nut to fasten next case in lineup, an end case or end panel.



Verify upper front panel, front panel, bumper retainer, and top rail alignment before fastening. Adjust retainer height to match parent case.

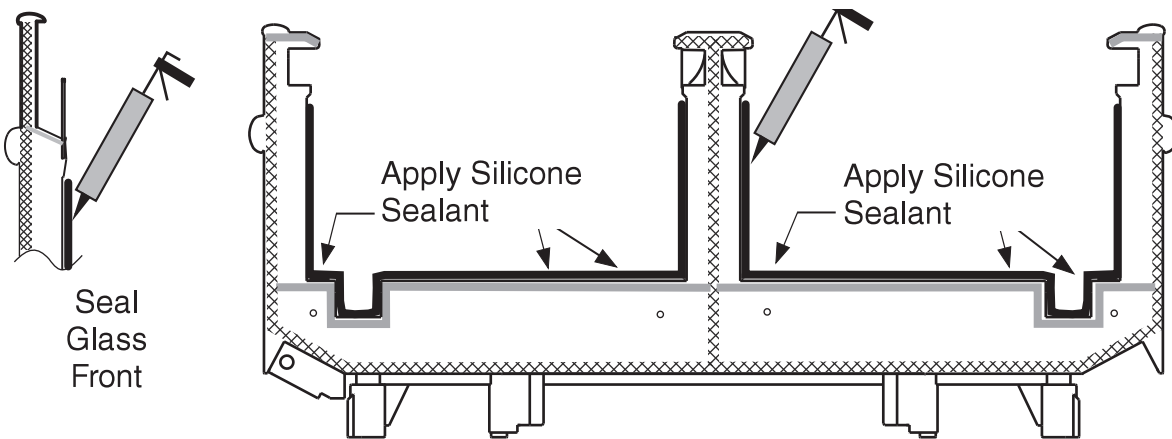


Example of a lineup with top piping partition between parent cases.

7

Seal End to End Frame

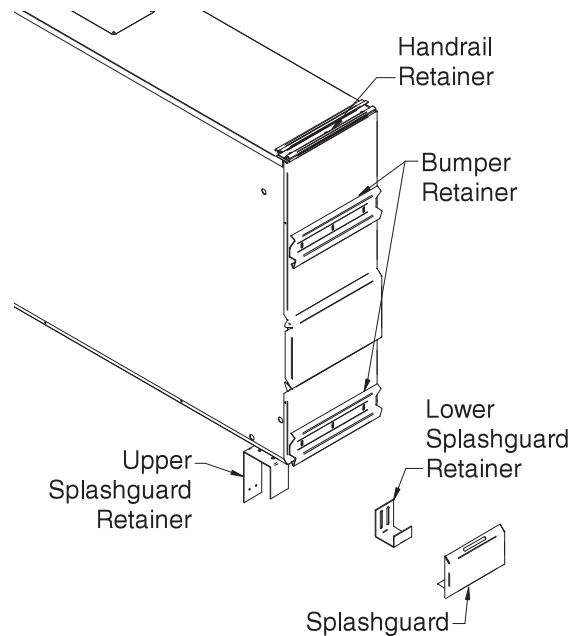
- A. Apply a 1/2 in. bead of silicone sealant to the areas between the partition and the case(s), starting at the first slot. Continue across the bottom and up the front as shown below.
- B. Wrap exposed threaded bolts within center void with insulation.



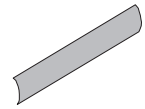
8

Attach upper splashguard retainer to bottom of partition assembly using pre-drilled holes, add lower splashguard retainer to upper retainer.

- A. Adjust retainer height to match parent case splashguard, and attach with screws.
- B. Attach splashguard.

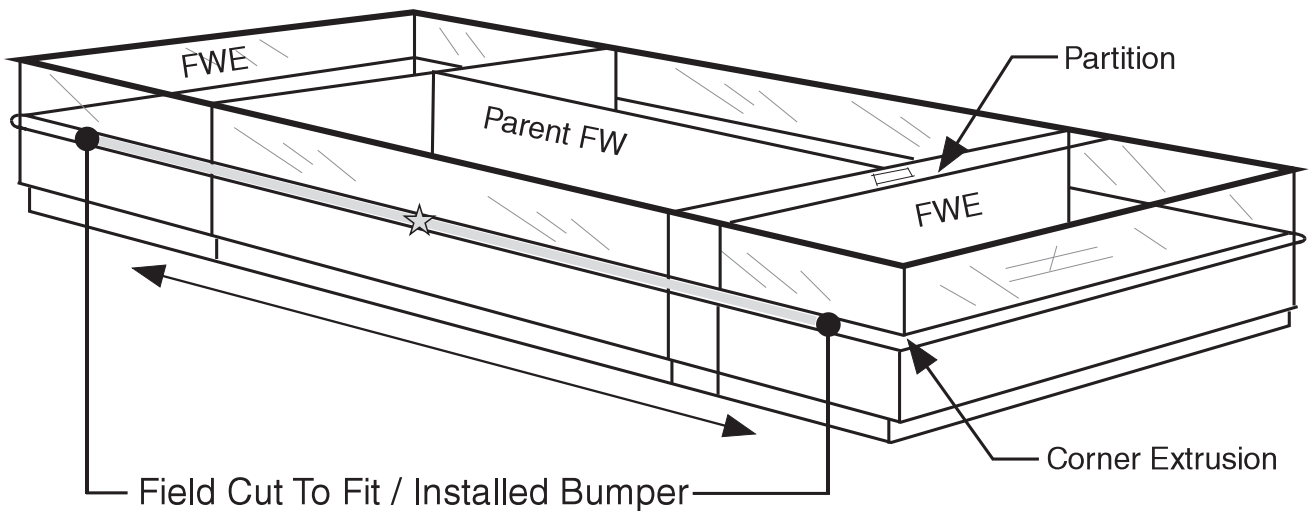
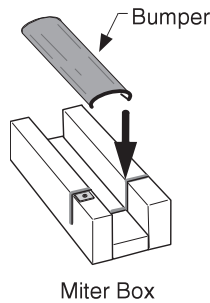


9



Offsetting Bumper (for Merchandiser Lineup)

- A. Locate bumpers for the sides of the lineup. The bumpers are shipped with the merchandisers.
- B. Refrigerate the merchandiser lineup for at least six (6) hours. **The offsetting bumper sections should be kept inside a cooler or refrigerated merchandiser during this time.** This will allow the bumper to contract and provide for a good fit and finish.
- C. To install offsetting bumpers:
- D. Remove bumpers from cooler. Measure bumpers and cut to appropriate length. Use a miter box and fine-tooth saw.
- E. Insert internal joint trims first. Install bumpers offset across joints along the side of the lineup as shown in the illustration below. Joint trim provides stability for the bumpers and lends to a smooth fit and finish.
- F. Make sure no gaps exist between sections at each end of field cut bumpers.
- G. **Verify fit and finish at both sides of corner extrusion.** If bumpers are cut too long, the corner extrusion may bow out resulting in an unattractive finish.
- H. Remove protective film from bumper once installation is complete.



10

Offsetting the plastic top rail helps to disguise the joint locations, giving the lineup a smoother look.

If factory installed, carefully remove all plastic top rails in the lineup. Do not damage the top rail retainer.

- A. Refer to ① in illustration below. Install a 1-ft starter section flush against the corner trim at the left end of the lineup.
 - B. Refer to ② in illustration below. Re-install a 38-inch section removed earlier from the end merchandiser. Place it flush against the starter, without any gaps.
 - C. Refer to ③ in illustration below. Install a full-length top rail, leaving no gaps. Continue installing the top rails the length of the lineup.
4. Once all except the last section of top rail have been installed refrigerate the merchandiser lineup for at least six (6) hours. **The last section of top rail should be kept inside a cooler or refrigerated merchandiser during this time.** This will allow the top rail to contract.
 5. Go to the right end of the lineup and tap the top rail to close any gaps.
 6. Refer to ④ in illustration below. Measure and cut last section of top rail. Use a miter box and fine-tooth saw to cut last top rail to length. Install the last section.
 7. Remove protective film from top rail once installation is complete.

