

Joining Instructions

RL / RM / RMF, RLT RLN / RMN / RLNI / RLNE Joining Instructions

Splashguard brackets must be installed before piping or wiring case.

PARTS LIST

Item

Quantity

Description

	RL/RM RM/RMF	RLN RMN	RLNI RLNIE	RLT	
1.	2	2	4	2	Donut Gasket
2.	1	1	2	2	Gasket, 1 x 1/2 x 180 in.
3.	1	1	2	1	Gasket, 1/2 x 1/4 x 180 in.
4.	8	8	14	6	Cap Screw 5/16 -18 x 1 1/4
5.	8	8	14	6	Split Lock Washers 5/16
6.	1	1	2	1	Joint Molding
7.	5	5	10	5	Binder Post and Screw
8.	1	1	2	1	Splice Connector

NOTE: Be sure first merchandiser has been leveled according to the main installation instruction. Carefully unpack and inspect the joining parts listed above to verify completeness and that there is no damage.

1 Prepare cases for joining (both sides of islands) as shown in Figure 1.

- A. Remove bumpers, rails, packing materials, and splashguards from the both cases.
- B. Remove shelves (if installed).
- C. Remove display racks and pans from ends to be joined.
- D. Remove rear shelf supports.

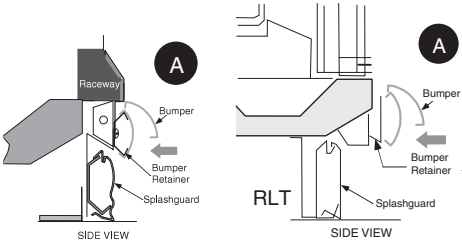
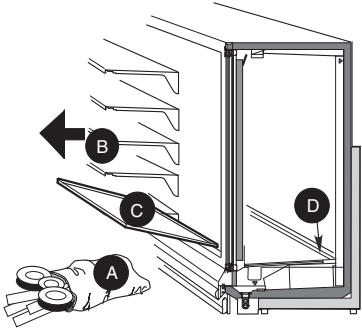
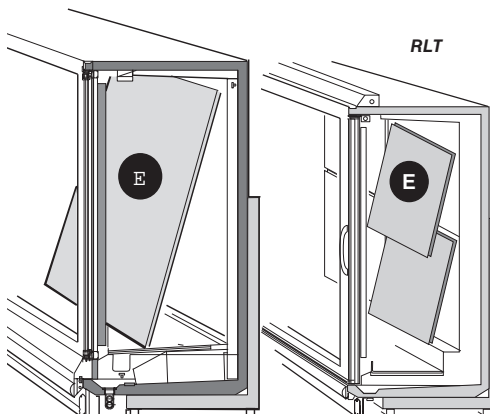


Figure 1. Prepare Cases

**RL / RM / RMF
RLN / RMN
and RLNI**

E. Remove back panels from ends to be joined by lifting up and out near the bottom. No tools are necessary. The RLT models have upper and lower back panels that must be removed.



F. Remove joint molding from any door frames that will be joined to another case.



G. RLNI Only: Remove screws and interior top panel on both sides of the island case end to be joined (see Figure 1).



RLNI Only

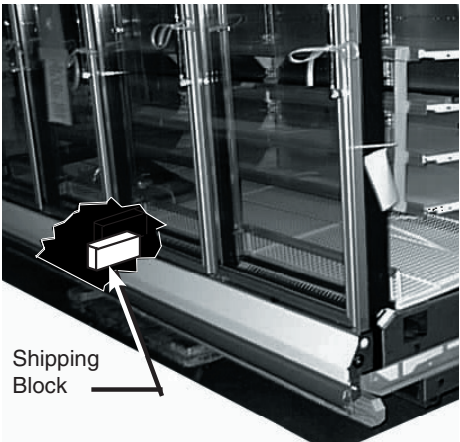


Figure 2. Remove Shipping Block
(One From Each Side of Island Models)

- 2 Locate and remove the shipping block in the center of the heat exchanger in the interior bottom of each case, see Figure 2.
- Snap a chalk line on the floor to use as a guide for positioning the front of the cases in the line-up. The front base frame should be on the chalk line.
- 3 Once cases are close to final placement, remove the shipping braces from the ends to be joined, see Figure 3. Discard bolts and flat washers used to hold shipping braces. Bolts are too long to be used for joining.



Figure 3. Remove Shipping Braces

4 If not already installed make sure Nut Retainers and Alignment Pins are in place in the right end frame as shown in Figure 4A or 4B.

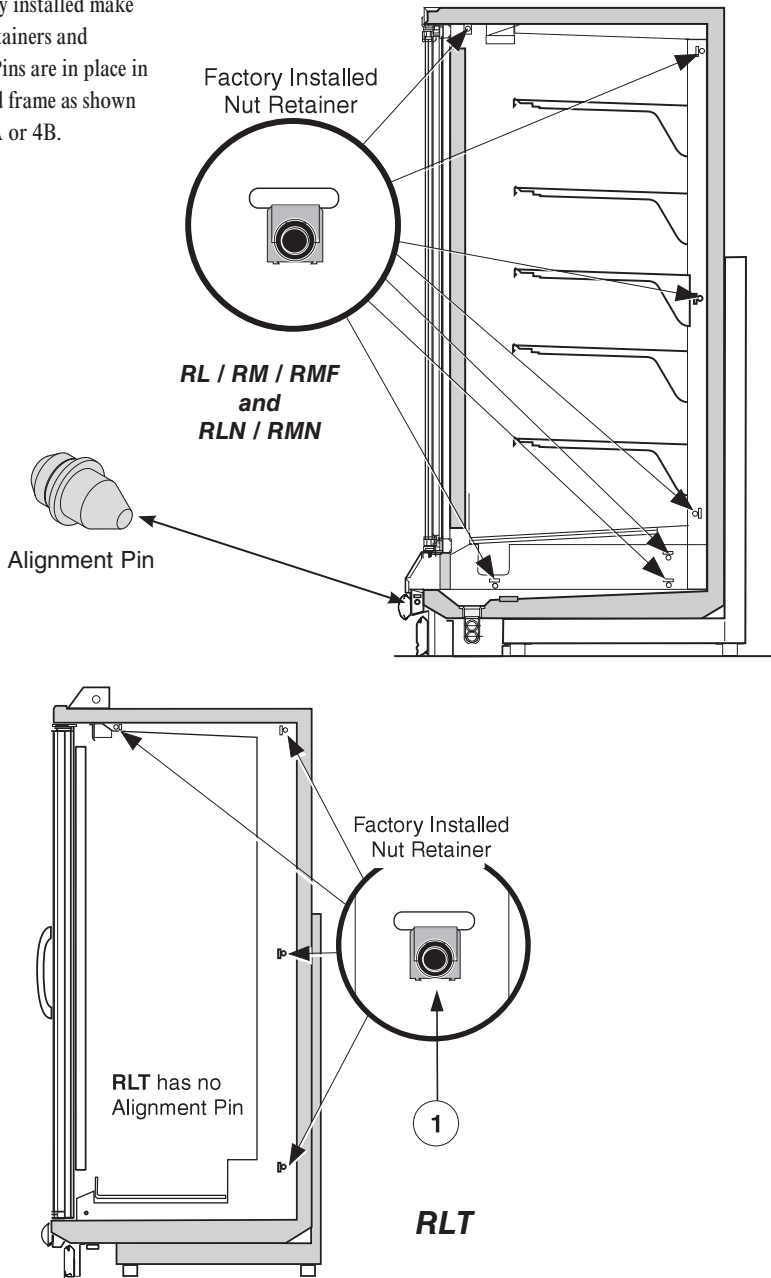
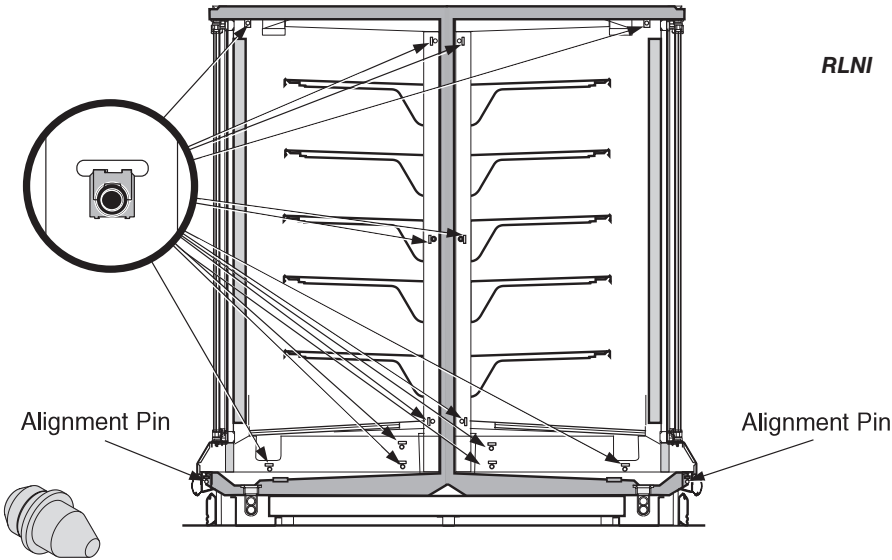


Figure 4A. Verify Nut Retainer Installation



5 Apply Donut Gasket — 1 in recess around both left end as shown in Figure 5A, Part 1; 5B or 5C, Part 1, and right end frames as shown in Figure 5A, Part 2; 5B or 5C, Part 2.

Apply the wider Foam Tape Gasket — 2 around the right end frame as shown in Figure 5A, Part 2, 5B or 5C, Part 2.

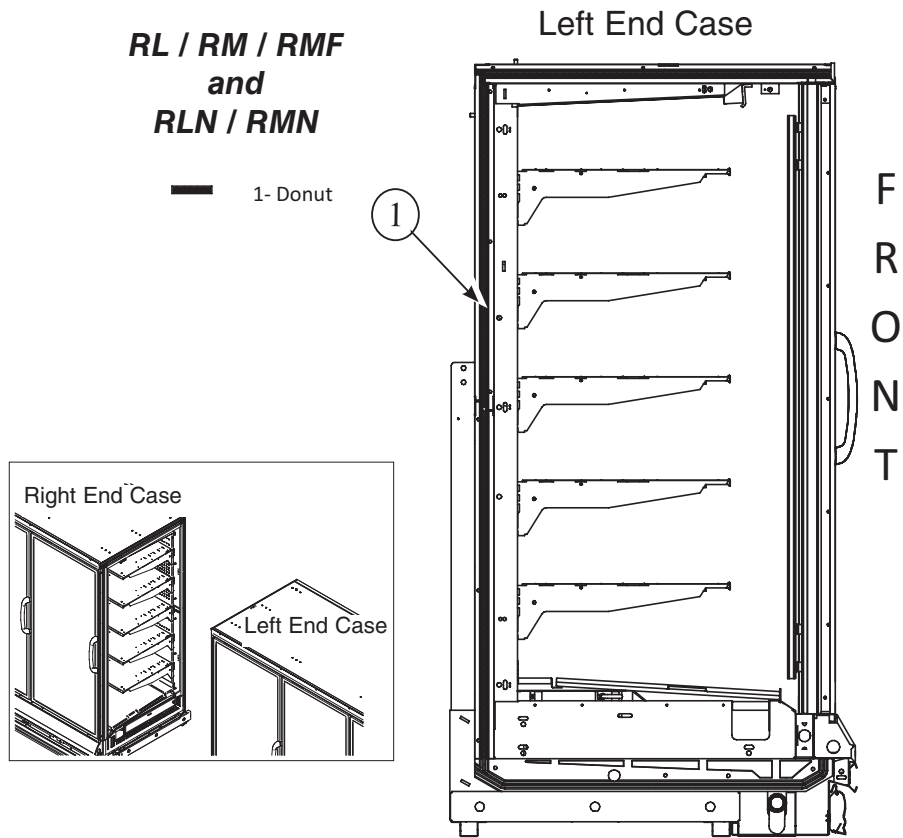


Figure 5A, Part 1. Apply Gasket to Left End of
RL/RM/RMF and RLN/RMN

Apply Pad Shoe Sealer first, then apply the narrower Foam Tape Gasket — 3 around the perimeter of the right end frame outside of the donut gasket as shown in Figure 5A, Part 2, 5B or 5C, Part 2.

- Lap gaskets at lower corners.

- Check that there are no gaps between gasket and case.
- Do not stretch gasket, especially around corners. To make sharp corners, paper backing can be torn without removing from gasket.

- Do not butt gaskets; always lap joints.
- Remove paper backing after gasket is applied to keep gasket free of debris.
- Gasket has high tack adhesive and must be properly placed the first time.

- 1- Donut
- 2- 1 in x ½ in
- 3- ½ in x ¼ in

**RL / RM /
RMF
and
RLN / RMN**

Use all three gaskets
When applying an end
assembly.

NOTES:

1. The perimeter gasket, ITEM 3, is required by NSF.
2. Butyl is NOT an acceptable substitute for donut or foam gasket.



Pad Shoe
Sealer

Overlap
Gasket

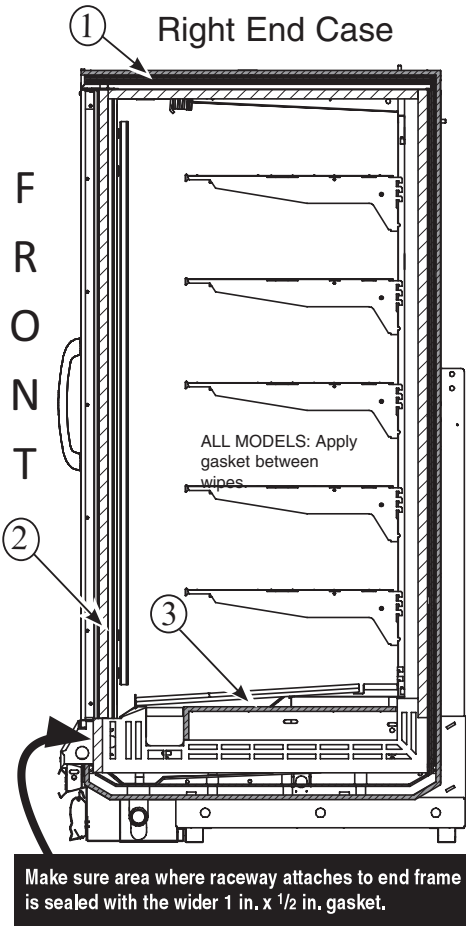


Figure 5A, Part 2. Apply Gaskets to Right End of RL/RM/RMF and RLN/RMN

RLNI

Left End Case

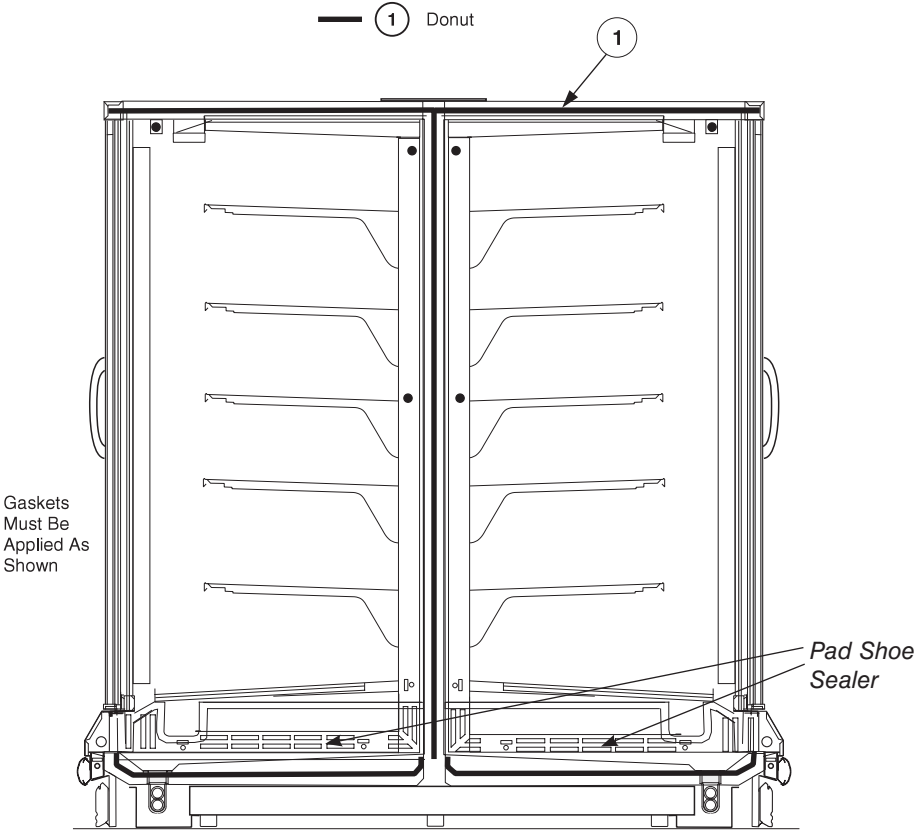


Figure 5A. Apply Gaskets to Left End of RLNI

RLNI

Right End Case

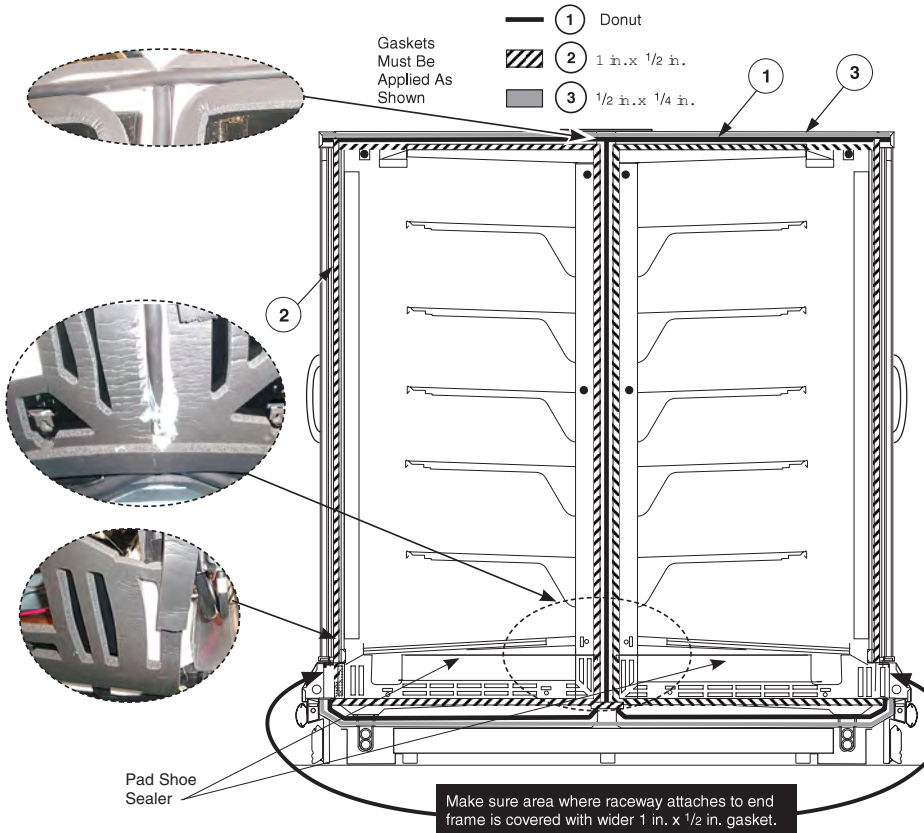


Figure 5B. Apply Gaskets to Right End of RLNI

RLT

Left End Case

1- Donut

1

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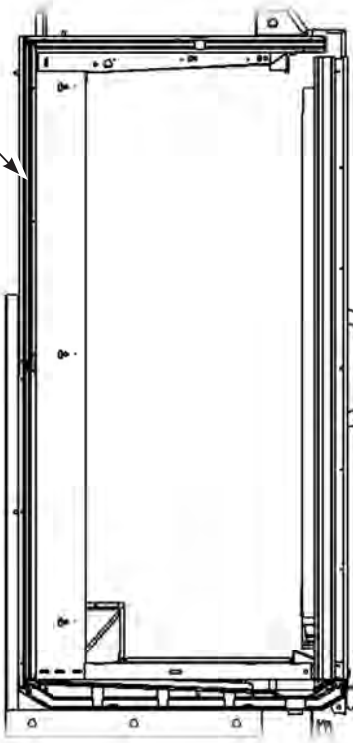
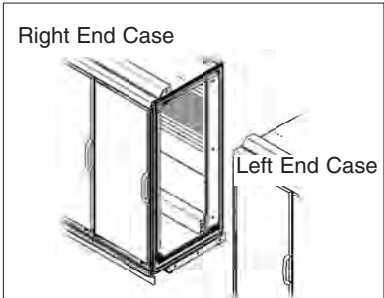


Figure 5C, Part 1. Apply Gasket to Left End of RLT

6 Move the second merchandiser against first, mating alignment pins with corresponding holes. Use care when pushing the cases together.

RL / RM / RLN / RMN / RLNI: Do not cut wires routed along the front bumper retainer. See detail in Figure 6.

The RLT has no alignment pin and the wireway is at the top front.

RLT

- 1- Donut
- 2- 1 in x ½ in
- 3- ½ in x ¼ in

Use all three gaskets
When applying an end
assembly

Right End Case

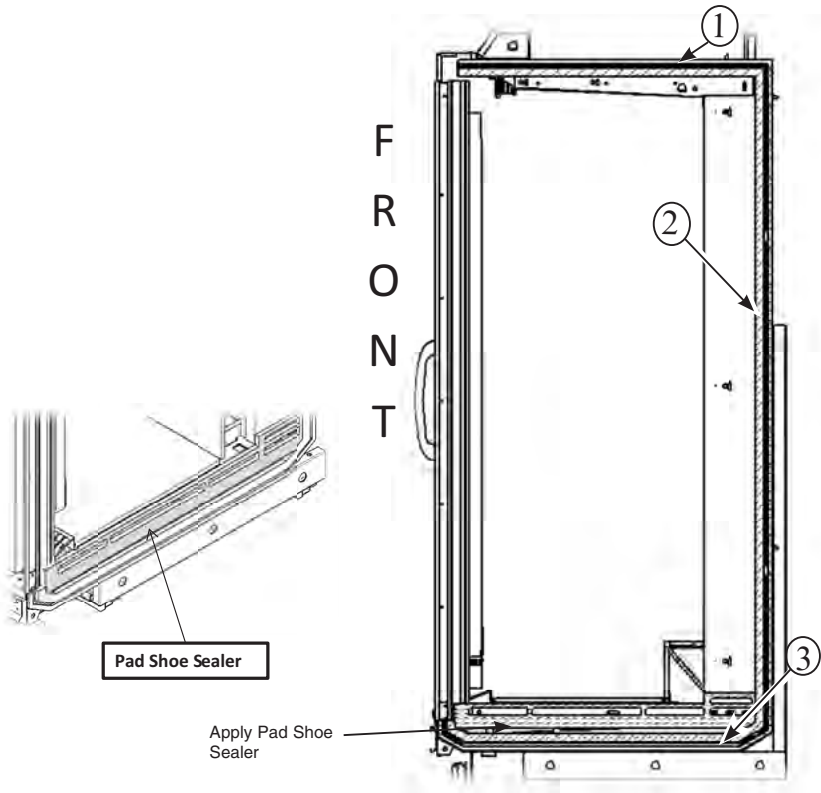


Figure 5C, Part 2. Apply Gasket to Right End of RLT

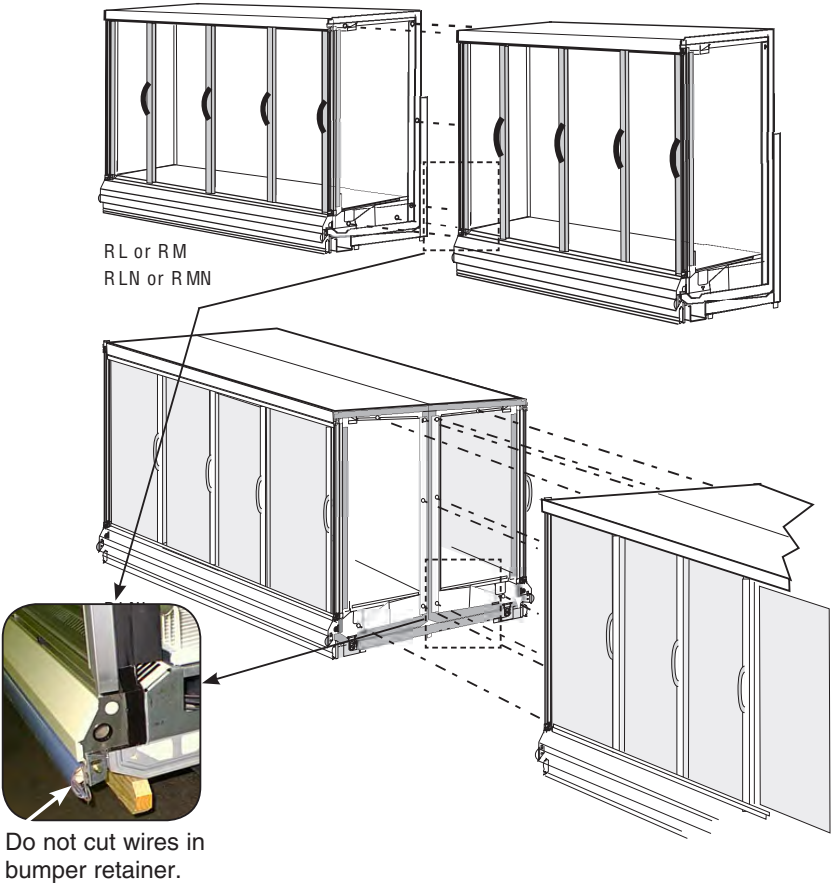


Figure 6. Move Cases Together

RL, RM, RMF, RLN, RMN

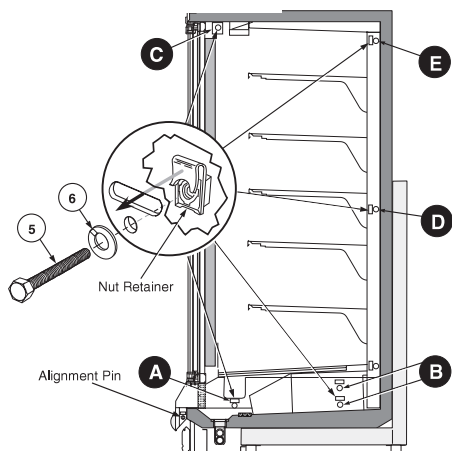


Figure 7A. Joining Sequence for RL, RM, RMF, RLN and RMN Cases

RLT

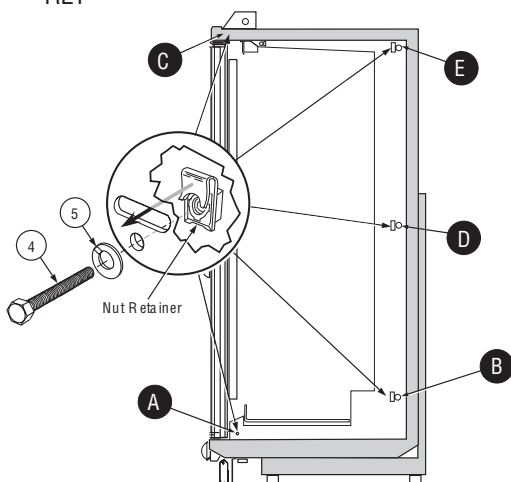


Figure 7B. Joining Sequence for RLT Cases

7 Loosely insert Cap Screw – 5 with Lock Washer – 6 into each nut retainer following the sequence shown in Figures 7A and 7B.

Do not tighten fully.

A. Fasten bottom fronts together, but tighten only until front panels touch.

B. Move to the bottom back position and join (2 places).

C. Join at the top front position.

D. Go to the middle back wall position and join.

E. Join at the lower back wall.

F. Finally, join at the top back wall position.

Following the same sequence, tighten each cap screw fully until the merchandisers are joined with a snug fit and gaskets are compressed.

When joining two RLNIE models, nut retainers and alignment pins are used on one case only.

8 Refer to Section 1 of the Reach-In Installation and Service Manual to install splashguard brackets and bumpers. Section 3 provides direction for installing splashguards, including splashguard

Splice Connector – 8. shown in Figure 9.

Note that RLT cases have steel splashguards that do not use a splice connector.

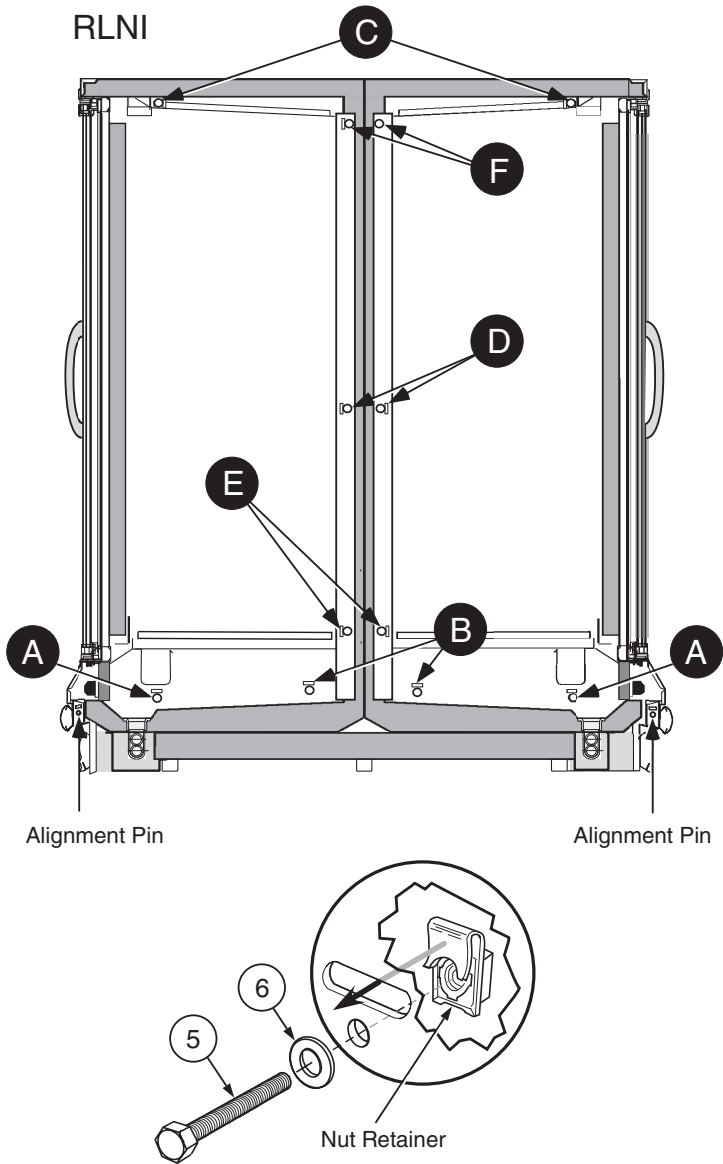


Figure 7C. Joining Sequence for RLNI Cases

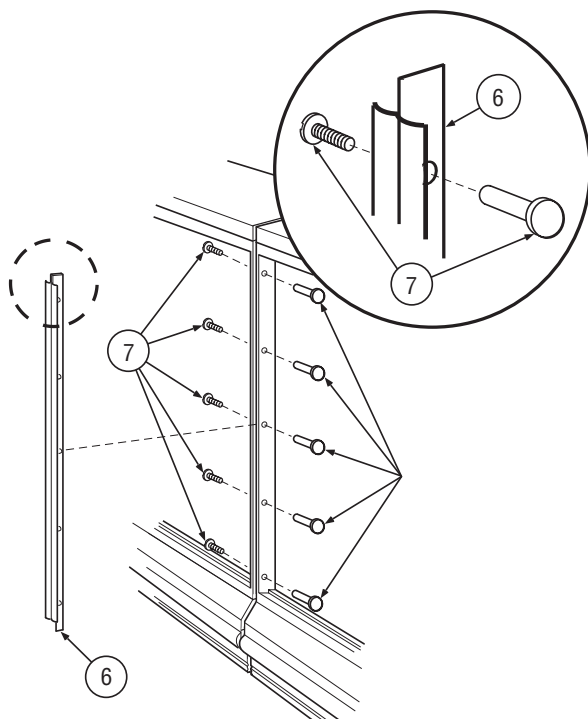


Figure 8. Installing "J" Molding

- 9** Align holes in frame with holes in Joint Molding – 6.
Fasten cases together using Binder Post and Screws – 7 as shown in Figure 8.

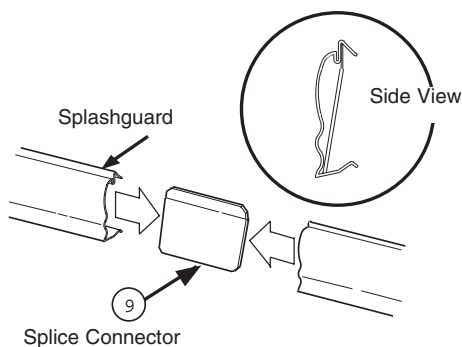


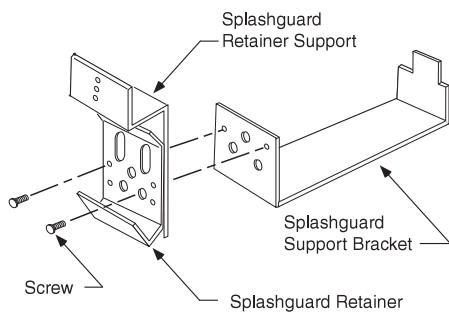
Figure 9. Installing Splashguard Splice Connector

- 10** Refer to Section 1 of the Reach-In Installation and Service Manual to install splashguard brackets and bumpers. Section 3 provides direction for installing splashguards, including splashguard

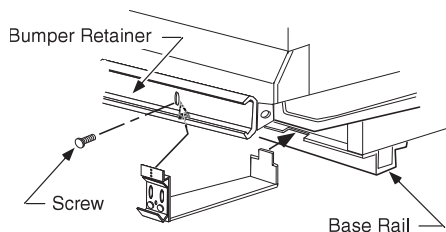
Splice Connector – 8.
shown in Figure 9.
Note that RLT cases have steel splashguards that do not use a splice connector.

INSTALLING SPLASHGUARD BRACKETS

1. Attach splashguard retainer and splashguard retainer support to splashguard support bracket using two screws per bracket.



2. INSTALL SPLASHGUARD SUPPORT BRACKETS BEFORE PIPING CASE. The leveling brackets have a maximum extension of one (1) inch (25 mm) for uneven floors.



DO NOT PLACE SHIMS UNDER
SPLASHGUARD BRACKETS.

INSTALLING BUMPERS

Offsetting the bumpers and top rails helps to disguise the joint locations, giving the lineup a smoother look.

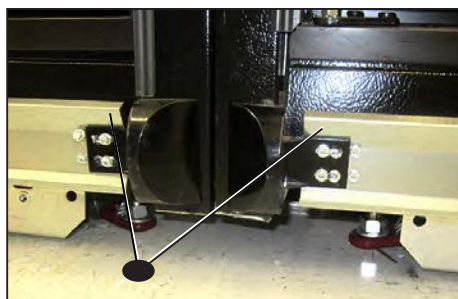
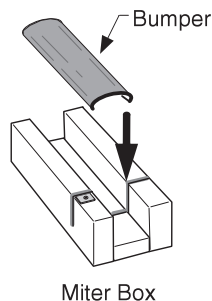
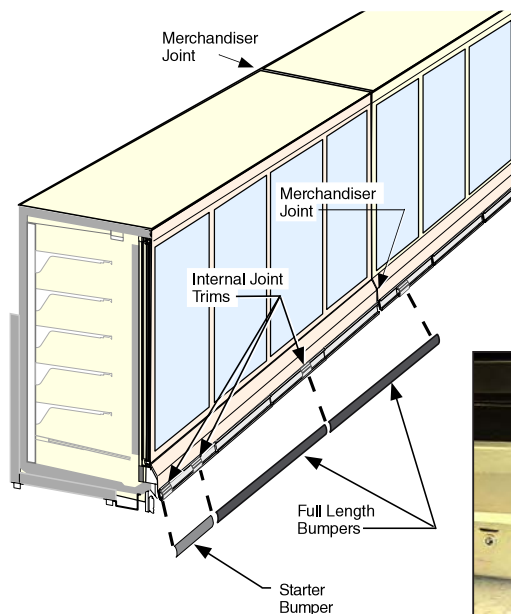
Begin at the left end of the line-up. A starter bumper is factory-installed with end kits. Insert the internal joint trim, then add the full-length bumper.

Align each bumper section with its retainer and push into place, working from the end of the lineup. Install full length bumpers and internal joint trims offset across joints. Make sure that no gaps exist between sections. Continue installing bumpers the length of the line up.

Do NOT install the last bumper sections at this time. These sections will be installed in the last step.

Once all except the last section of bumper have been installed, refrigerate the case line-up for at least six (6) hours. The last sections of bumper should be kept inside a refrigerated case or cooler during this time to allow the bumpers to contract.

Before installing the last full-length section, measure the remaining space. Use a miter box and fine-tooth saw to cut last bumper to length. Install the last section. Remove protective film from bumpers once installation is complete. Optional end bumpers are factory-installed.



Bumper End Caps can be adjusted horizontally to eliminate gaps.