

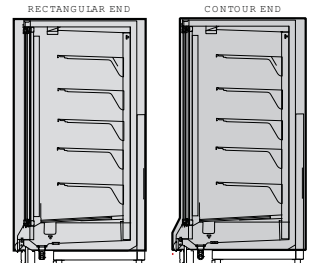
Frozen Food, Ice Cream, Delicatessen, Dairy & Floral

PARTS LIST

Item	Quantity		Description	
	RL / RM / RMF RLN / RMN	RLNI RLNIE		RLT
1.	5	10	4	Nut Retainer ⁵ / ₁₆ -18 (Left End Only)
2.	1*	2*	1*	Donut Gasket (per end, Ships with Merchandiser)
3.	1**	2**	—	Gasket 1/2 x 1 x 180 in. (4572 mm) (Right End Only)
4.	1**	2**	—	Gasket 1/4 x 1/2 in. x 600 in. (15240 mm) (Right End Only)
5.	1	1	1	Gasket Pattern Shoe RH
6.		1		Gasket Pattern Shoe LH
7.	1	1	—	End Assembly
8.	6	12	—	Cap Screw ⁵ / ₁₆ -18 x 1 1/4 in. (32 mm)
9.	—	—	4	Cap Screw ⁵ / ₁₆ -18 x 2 1/2 in. (64 mm)
10.	6	12	5	Plug, Bolt Spacer
11.	6	12	5	Button, Plug 7/8 in. diameter
12.	—	1	—	Trim, Center End
13.	3	11	7	Screw, SM #8 x 1/2 in. (13 mm) Phil AB
14.	6	12	5	Hex Nut ⁵ / ₁₆ -18
15.	—	—	1	Cap Screw ⁵ / ₁₆ -18 x 5 1/2 in. (140 mm)
16.	1	2	—	End 'J' Molding
17.	5	10	—	Shoulder Screw #8 x 1/2 in. (13 mm) (Innovator Doors)
18.	—	—	1	Bumper End Cover
19.	—	—	9	Screw, Hex Head SM #8 x 1/2 in. (13 mm)
20.	1	2	1	End Splashguard
21.	1	1	—	Starter Bumper (Left End Only)
22.	—	—	1	End Valance
23.	—	—	2	End Valance Bracket
Optional End Protector				
21.	1	1	1	Protector, End
22.	10	20	10	Screw, Truss Head SM #8 x 1/2 in. (13 mm)
Optional End Bumper				
23.	1	1	1	Bumper Retainer
24.	3	5	3	Truss Head Screws #10 x 1/2 in. (13 mm)
25.	2	2	2	Bumper End Cap
26.	2	2	2	Pan Head Screw #8 x 1 1/4 in. (32 mm)
27.	1	1	1	End Bumper

* Donut gaskets are included with merchandiser.

** Left End gaskets are included with merchandiser.



MANUAL- KIT REACH-IN END

PREPARATION

Be sure merchandiser has been leveled according to the installation instruction. Remove any remaining shipping braces.

Carefully unpack and inspect the End kit components. Verify that parts listed are present and undamaged.

Prepare merchandiser to receive end (both sides of island) as shown in Figure 1.

- A. Remove bumpers, rails, packing materials, and splashguards.
- B. Remove any shelves next to the end being installed.
- C. Remove display racks and pans next to the end being installed (both sides of island).
- D. Remove rear shelf supports next to the end being installed (both sides of island).
- E. Remove back panels by lifting up and out near the bottom. No tools are necessary.
- F. Remove joint molding from door frames next to the end being installed (both sides of island).
- G. Remove alignment pin, if installed.
- H. RLNI Only: Remove screws and interior top panel next to the end being installed (both sides of island).

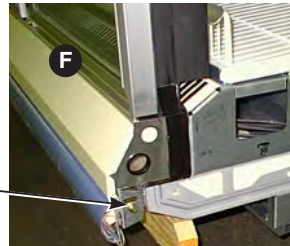
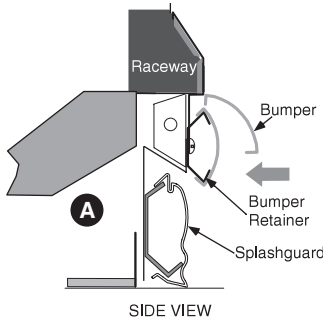
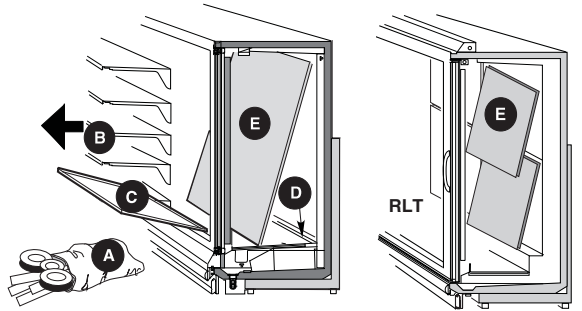
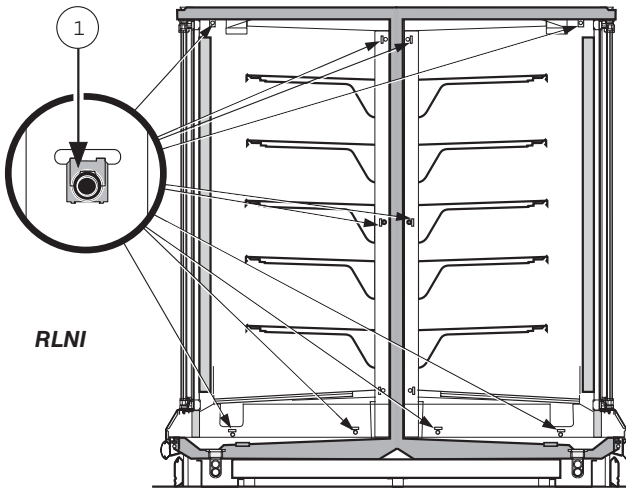


Figure 1. Prepare Merchandiser to Receive End



1 For Left-Hand end, install Nut Retainers – 1 as shown in Figure 2. If installing a right-hand end, verify that Nut Retainers are in place.

For Right-Hand end, remove alignment pin shown in Figure 3.

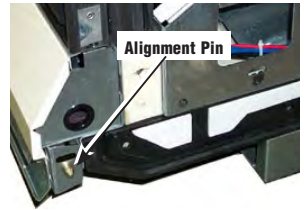


Figure 3.
Remove Alignment Pin

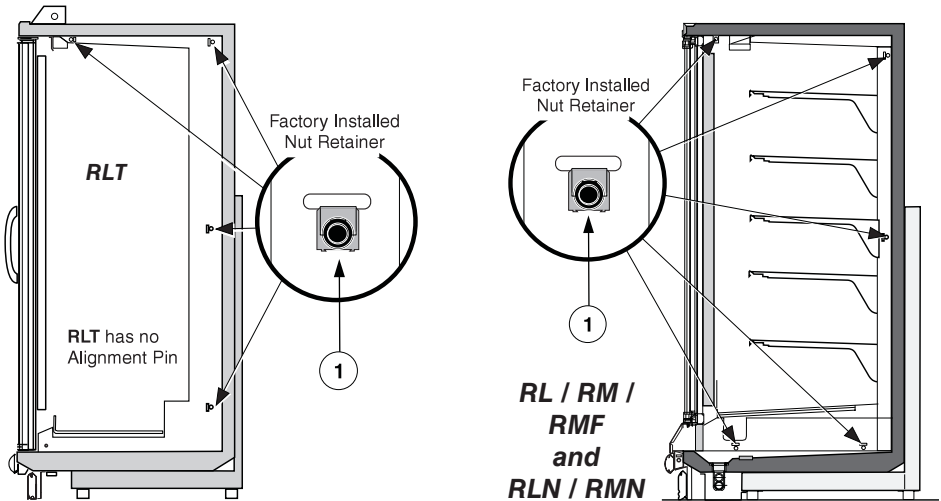


Figure 2. Install Nut Retainers

2 Apply Donut Gasket – 1 in recess around left end as shown in Figure 4A, Part 1; 4B or 4C, Part 1, and right end frames as shown in Figure 4A, Part 2; 4B or 4C, Part 2.

Apply the wider Foam Tape Gasket — 2 around the right end frame as shown in Figure 4A, Part 2, 4B or 4C, Part 2.

Use only one Gasket Pad Sealer for each case joining.

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

— 1- Donut

1

Left End Case

F
R
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T

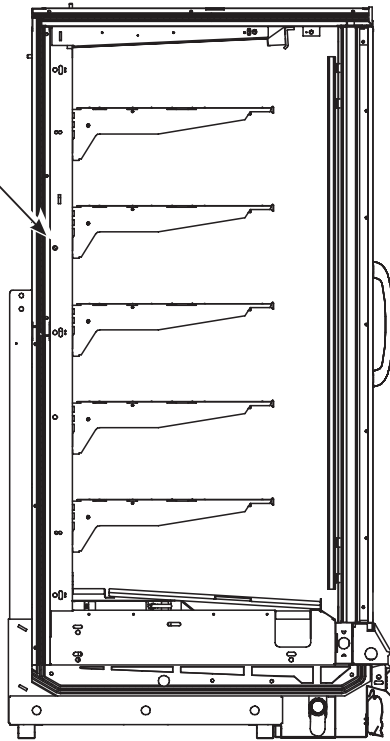
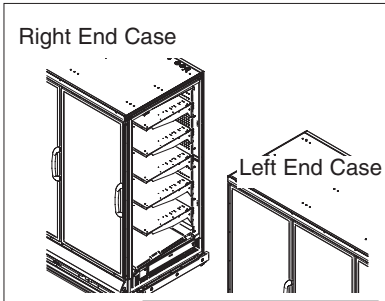


Figure 4A, Part 1. Apply Gasket to Left End of RL/RM/RMF and RLN/RMN

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.

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

ALL MODELS: Apply gasket between wipes.

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

Use all three gaskets
When applying at 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.

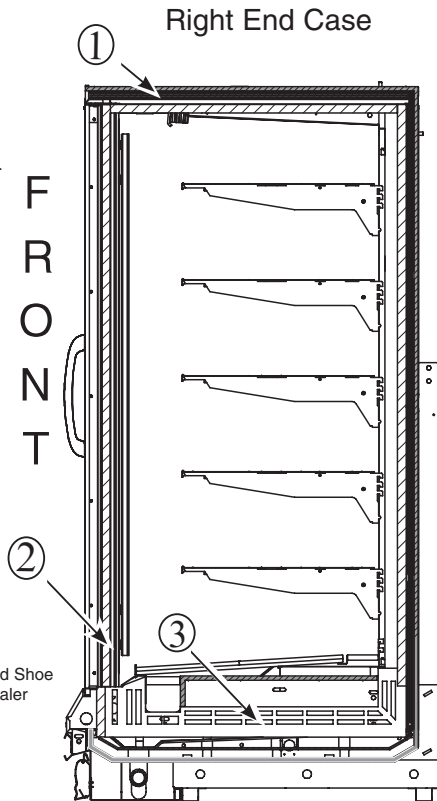


Figure 5B, Part 2. Apply Gaskets to Right End of RL/RM/RMF and RLN/RMN

RLNI

Left End Case

— (1) Donut

(1)

Gaskets
Must Be
Applied As
Shown

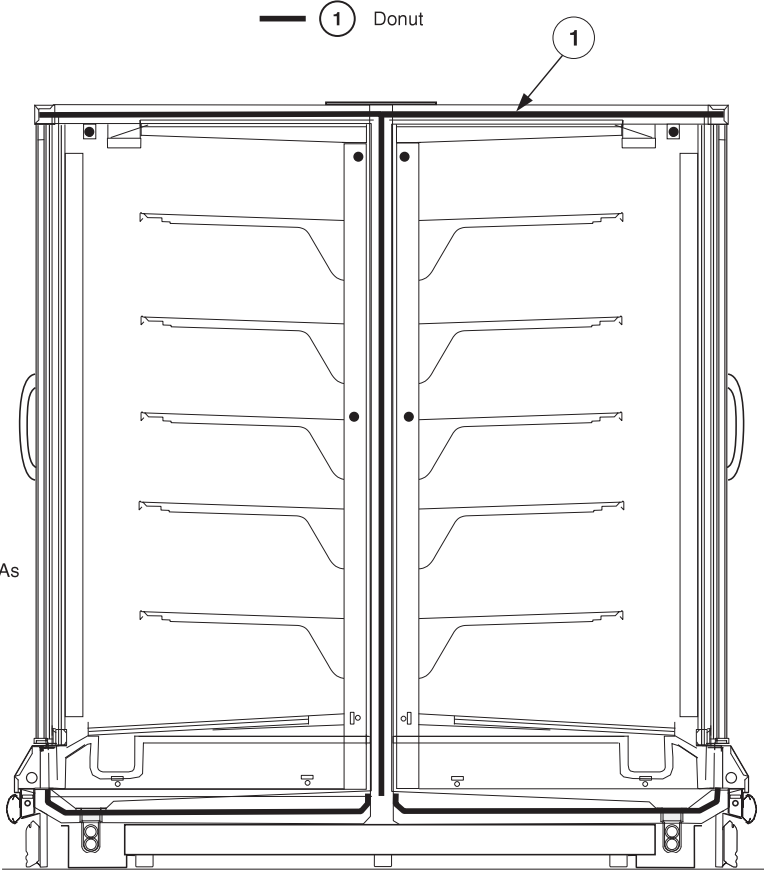


Figure 5A. Part 1 Apply Gaskets to Left End of RLNI

RLNI

Right End Case

Gaskets
Must Be
Applied As
Shown

- ① Donut
- ② 1 in. x 1/2 in.
- ③ 1/2 in. x 1/4 in.

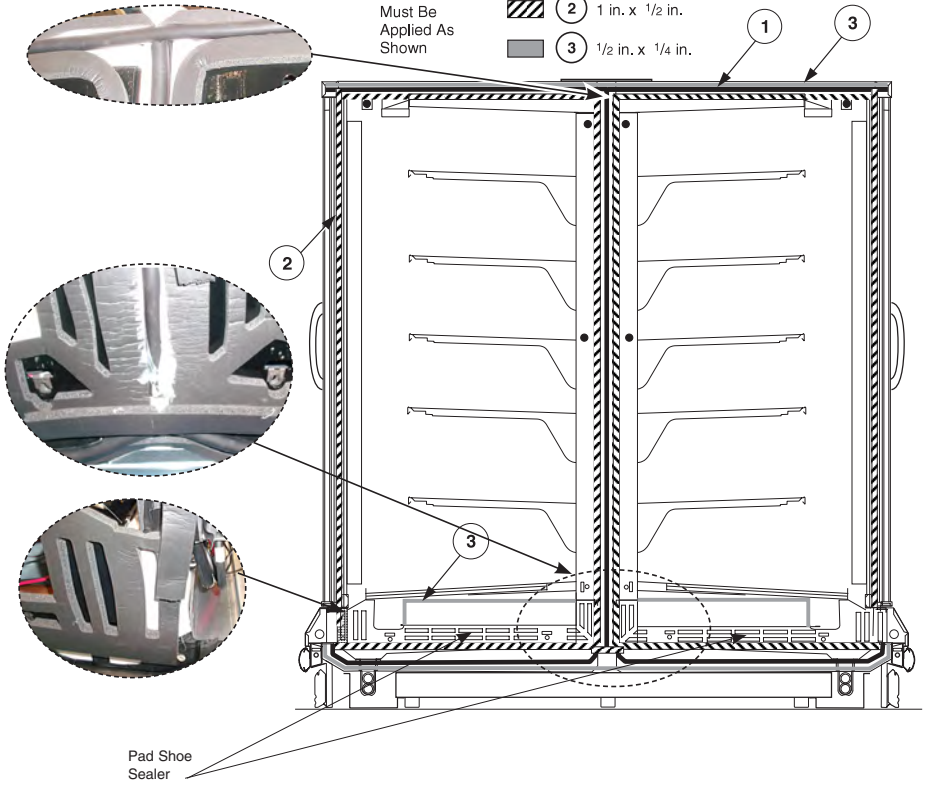


Figure 5B. Apply Gaskets to Right End of RLNI

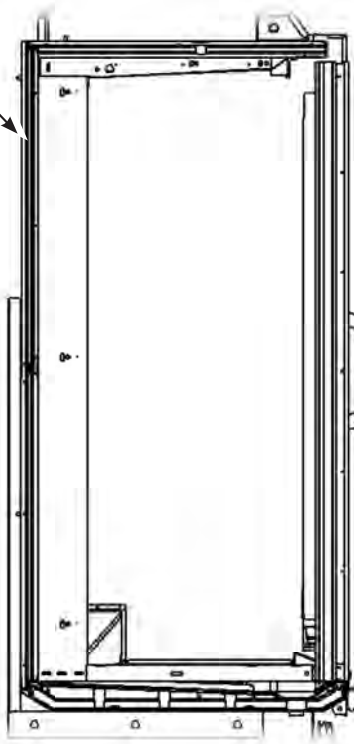
RLT

Left End Case

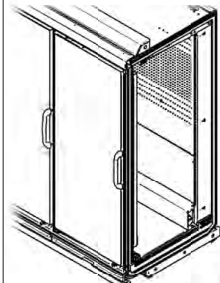
— 1-Donut

1

F
R
O
N
T



Right End Case



Left End Case



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

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 1/2 in
- 3- 1/2 in x 1/4 in

Use all three gaskets
When applying an end
assembly

Right End Case

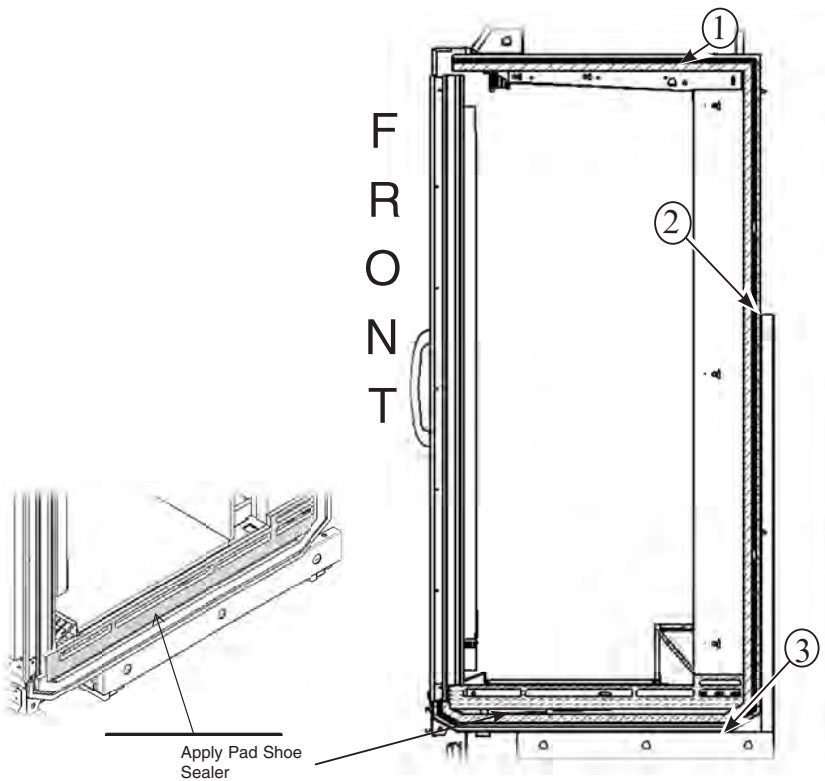
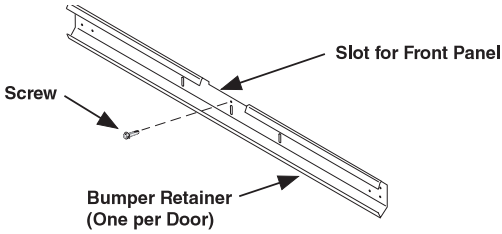


Figure 5C, Part 2. Apply Gasket to Right End of RLT



Bumper Retainer Detail

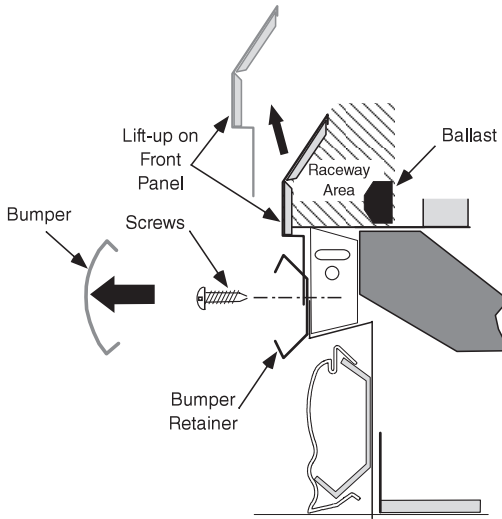


Figure 5. Exposing the Raceway

**SOLID ENDS,
go to Step 11.**

**RLT Glass Ends,
go to Step 8.**

3 Glass Ends Only

Glass end assemblies have anti-sweat heaters. The heater wiring must be connected to the terminal block in the wireway. Gain access to the wireway as follows:

- A. Remove bumper if installed.
- B. Remove screws from the center of each bumper retainer and set aside: 2-door, two screws, 3-door, three screws, 4-door, four screws, or 5-door, five screws. The retainers stay on the merchandiser. Refer to detail in Figure 5.
- C. Lift the front panel up and out. Tabs on the front panel must clear slots in bumper retainers. See Figure 5. Terminal block is now visible in the wireway.

Once end is installed and all wiring connected, reinstall front panel and screws. Refer to Section 1 of the *Reach-In Installation and Service Manual* to install bumpers.

**Install RLNI Glass End , go to
Step 5.**

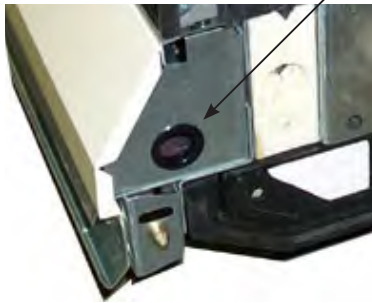
4 Fasten
Glass End Assembly — 5
to merchandiser using
Cap Screw — 6 as shown in
Figure 6.

As the end is being positioned,
route the wiring through the
opening into the wireway as
shown in the Detail.

After end assembly has been
tightened, insert Plug — 7
and Button — 8 as shown in
Figure 6.

Go to Step 7.

*Route anti-sweat heater
wiring from each end panel
through grommet into race-
way.
For RLNI, route each side
separately, DO NOT damage
wiring*



DETAIL:
Route Wiring into Raceway

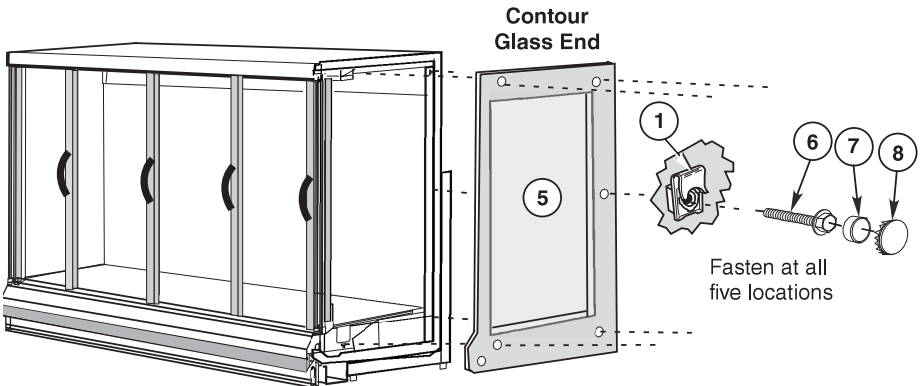


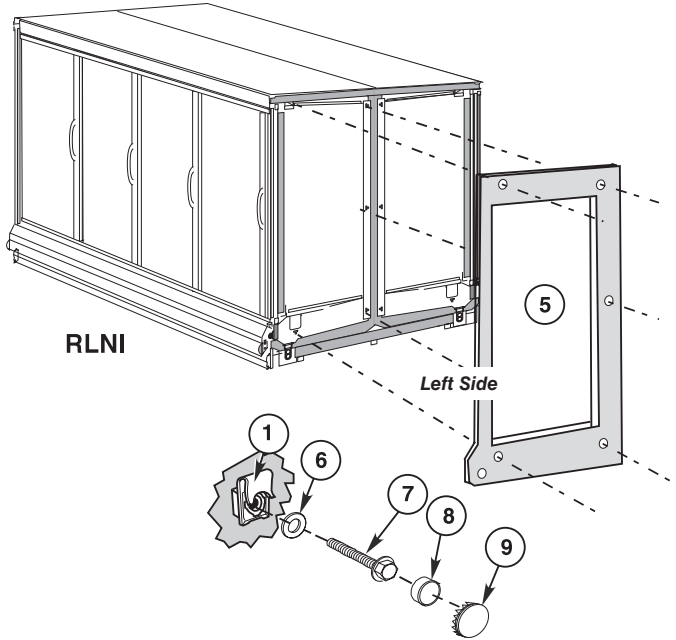
Figure 6. Install Glass End Assembly

RLNI ONLY

5 The end panel for the Reach-in Island ships in two pieces. Attach the Left Side of Glass End Assembly — 5 to the merchandiser using Cap Screw — 6.

As the end is being positioned, route the wiring through the opening into the left-hand wireway as shown in the detail.

After end assembly has been tightened, insert Plug — 7 and Button — 8 as shown in Figure 7.



Route each side anti-sweat heater wiring separately from each panel through grommet into raceway. DO NOT damage wiring.

Figure 7. Install Left Side of Glass End Assembly on Island

RLNI ONLY

6 Position the Center End Trim — 9 flush against the installed side and fasten with Screws — 10 as shown in Figure 8.

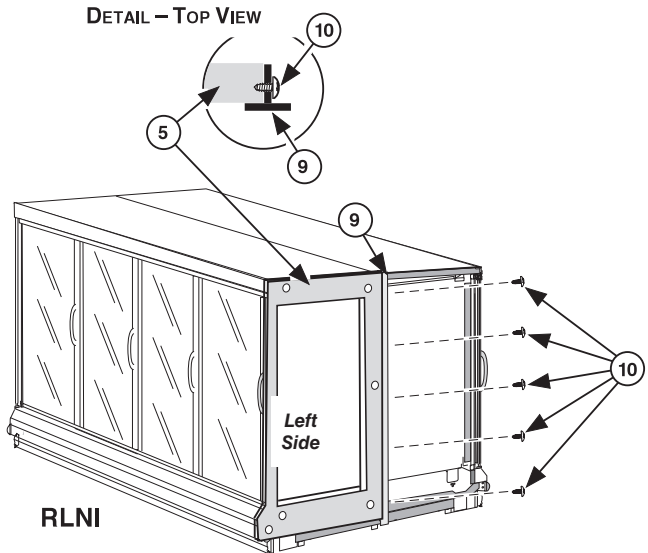


Figure 8. Install Center End Trim on RLNI Glass End

7 Once the trim is installed, attach the Right Side of the Glass End Assembly — 5 using Cap Screw — 6.

As the end is being positioned, route the wiring through the opening into the right-hand wireway.

After the end assembly has been tightened, insert Plug — 7 and Button — 8 as shown in Figure 9.

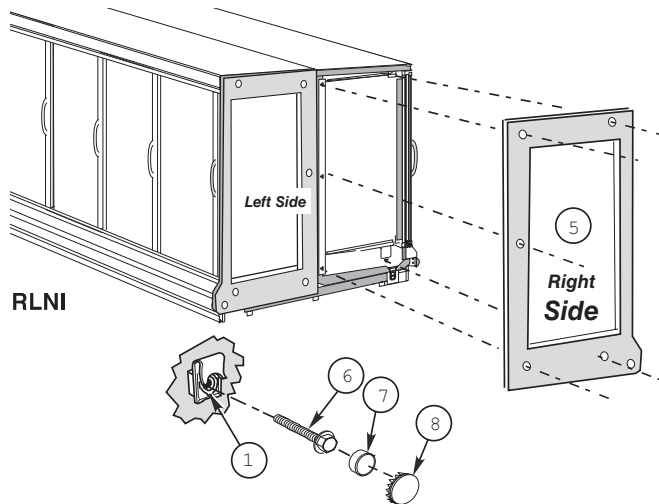


Figure 9. Install Right Side of Glass End Assembly on Island

RLT ONLY

8 Glass Ends Only
Glass end assemblies have anti-sweat heaters. The heater wiring must be connected to the terminal block in the wireway. Gain access to the wireway as follows:

Route anti-sweat heater wiring from end panel through grommet into raceway. DO NOT damage wiring.

9 Fasten End Assembly — 5 to merchandiser using Cap Screw — 6. After end assembly has been tightened, insert Plug — 7 and Button — 8 as shown in Figure 10.

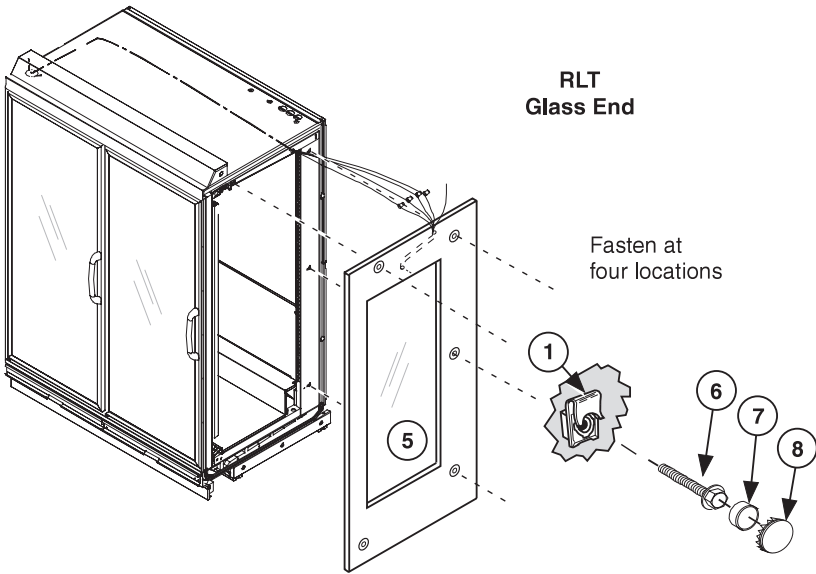


Figure 10. Install Solid End Assembly

RLNI Only: Wiring from the left end assembly is routed to, and wired in, the left wireway; wiring from the right end panel is routed to, and wired in, the right wireway. The RLNI wiring diagram is per side — two wiring circuits per merchandiser.

10 Connect anti-sweat heater wiring to terminal block according to Figure 11. Note that grayed information is standard merchandiser wiring.

11 Solid Ends

Fasten End Assembly — 5 to merchandiser using Cap Screw — 6. After end assembly has been tightened, insert Plug — 7 and Button — 8 as shown in Figure 12.

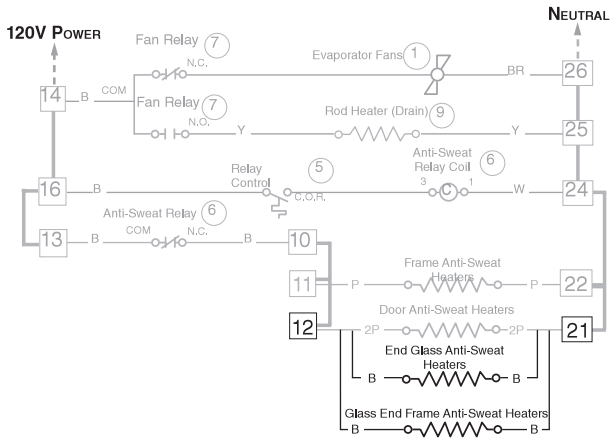


Figure 11. Wire End Anti-Sweat Heaters

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

**Rectangular
Solid End**

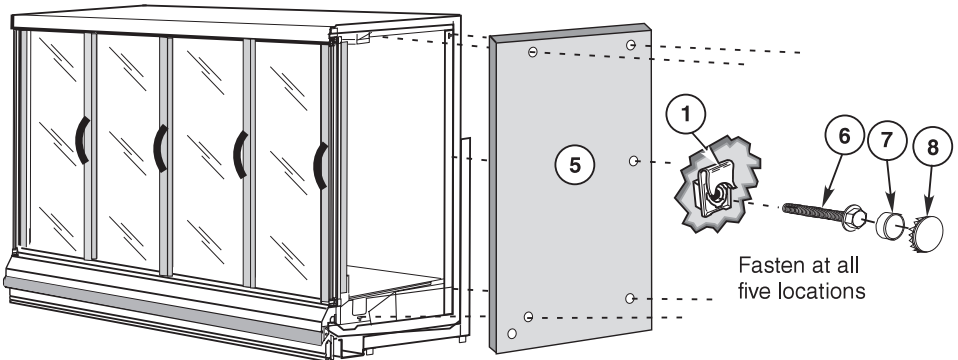
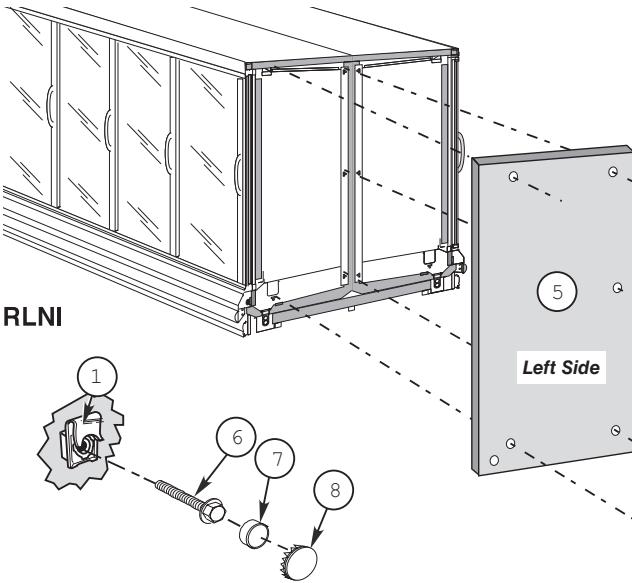


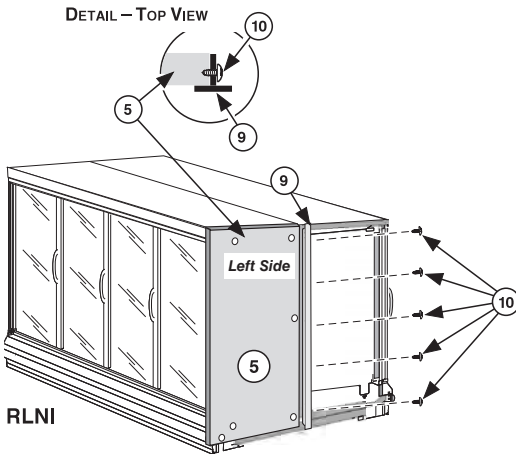
Figure 12. Install Solid End Assembly



RLNI ONLY

12 RLNI with solid end:
The end panel for the Reach-in Island ships in two pieces. Attach the Left Side of End Assembly — 5 to merchandiser using Cap Screw — 6 as shown in Figure 13. After end assembly has been tightened, insert Plug — 7 and Button — 8.

Figure 13. Install Left Side of Solid End Assembly on Island



13 Position the Center End Trim — 9 flush against the installed side and fasten with Screws — 10 as shown in Figure 14.

Figure 14. Install Center End Trim on RLNI Solid End

14 Once the trim is installed, attach the Right Side of the Solid End Assembly — 5 using Cap Screw — 6. After end assembly has been tightened, insert Plug — 7 and Button — 8 as shown in Figure 14.

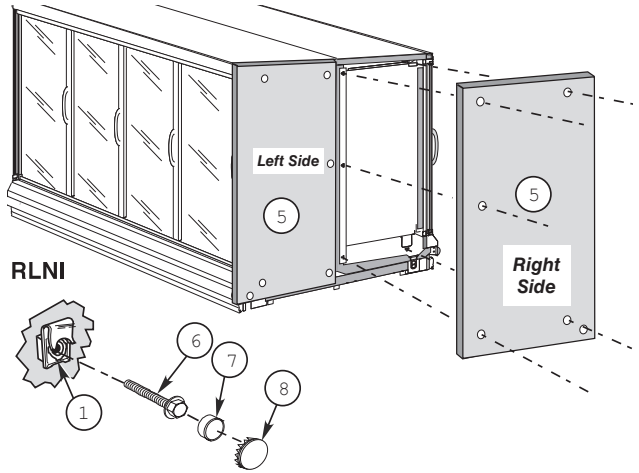


Figure 15. Install Right Side of Solid End Assembly on Island

All Ends Except RLT:

15 Fasten End Assembly — 5 at the lower front using Cap Screw — 6 and Nut — 11 as shown in Figure 16A. Insert Plug — 7 and Button — 8.

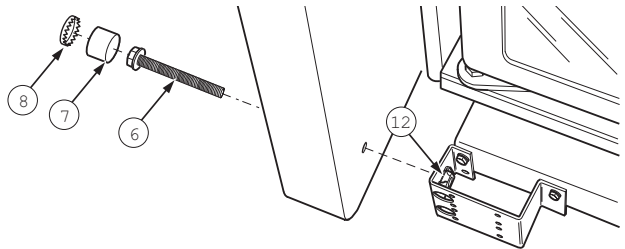


Figure 16A. Fasten Lower Front – ALL Models Except RLT

RLT:

Fasten End Assembly — 5 at the lower front using Cap Screw — 12 and Nut — 11 as shown in Figure 16B. Insert Plug — 7 and Button — 8.

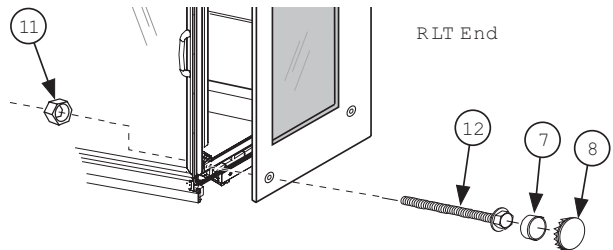


Figure 16B. Fasten Lower Front – RLT

16 Innovator and Innovator II doors only: Insert End 'J' Molding – 13 between door frame and end assembly. Align holes in molding with holes in door frame then insert Shoulder Screws – 14 as shown in Figure 17.

17 Align End Splashguard – 17 with front splashguard as shown in Figure 18. Fasten to end frame of merchandiser using Screws – 10. Cut overlapping splashguard to fit (see Figure 18 detail).

RLT Only.

18 Attach the Bumper End Cover – 15 on the merchandiser front bumper retainer using Screws – 16 as shown in Figure 19. Note: the RLT has no starter bumper.

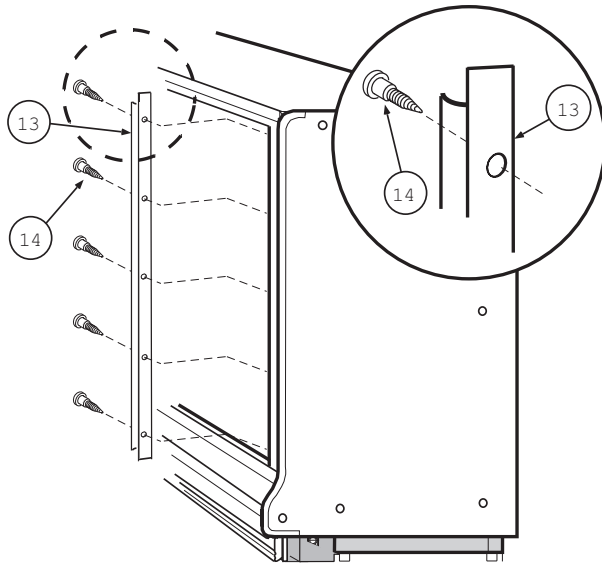


Figure 17. Install 'J' Molding

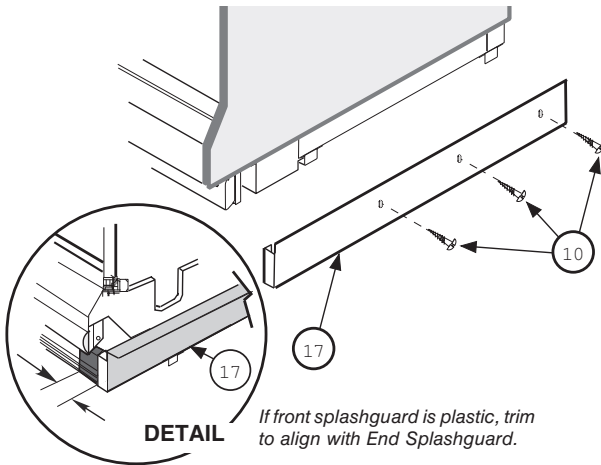


Figure 18. Install End Splashguard

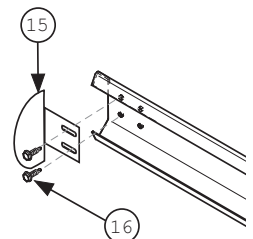


Figure 19. Install Bumper End Cover

19 Left End Only: Install Starter Bumper – 18 on the merchandiser front bumper retainer as shown in Figure 20, and in Section 1 of the merchandiser installation manual.

RLT Only.

20 Attach the End Valance – 19 and End Valance Brackets – 20 to the merchandiser using Screws – 16 as shown in Figure 21.

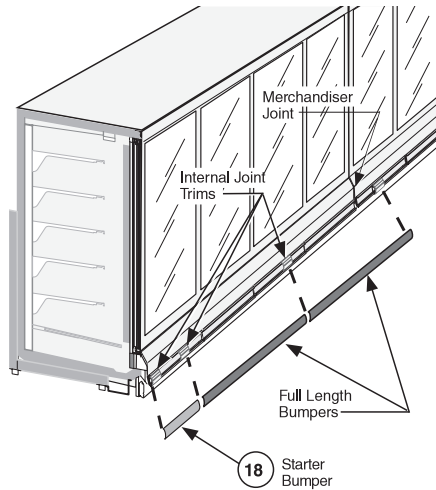


Figure 20. Install Starter Bumper

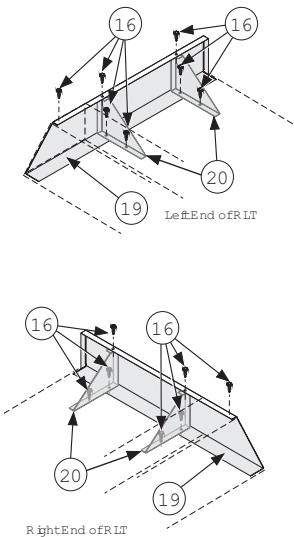


Figure 21. Install RLT Valance

Install
Optional End Protector

21 Fasten End Protector – 21 to end using Screws – 22. Screw locations will vary with tread pattern. See Figure 22.

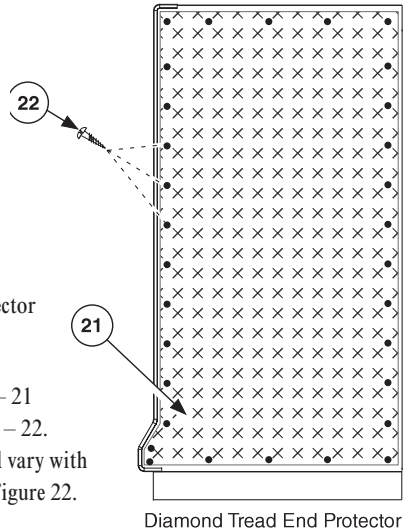


Figure 22. Install Optional End Protector

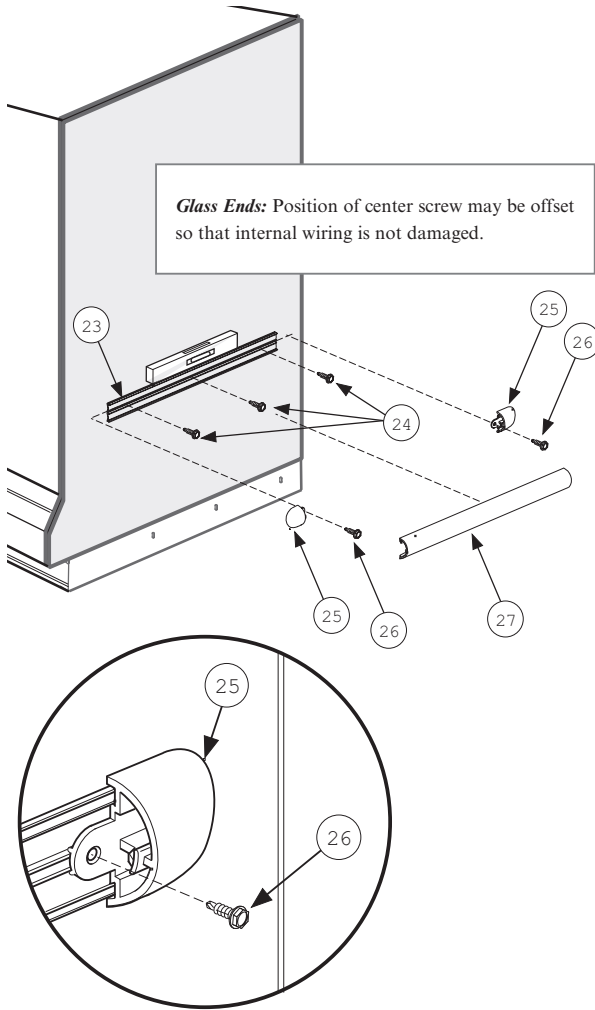


Figure 23. Install Optional End Bumper

Install

Optional End Bumper

- 1 Position Bumper Retainer – 23 against End Assembly as shown in Figure 23 and check for level. Refer to Figure 24 to determine placement. Glass Ends: Position of center screw may be offset so that internal wiring is not damaged. Fasten through center-line groove with Screws – 24.
- 2 Place rear Bumper End Cap – 25 over Retainer and slide the End Cap forward until it stops. Fasten using Screw – 26.
- 3 Slide End Bumper – 27 into Bumper Retainer and back against End Cap.
- 4 Place front Bumper End Cap – 25 over Retainer and under Bumper. Mark location of front of end cap. Remove end cap and slide the bumper off. Slide the front bumper end cap to mark and fasten with Screw – 26.
- 5 Hook the End Bumper – 27 over the retainer and push down until it engages, front to back.

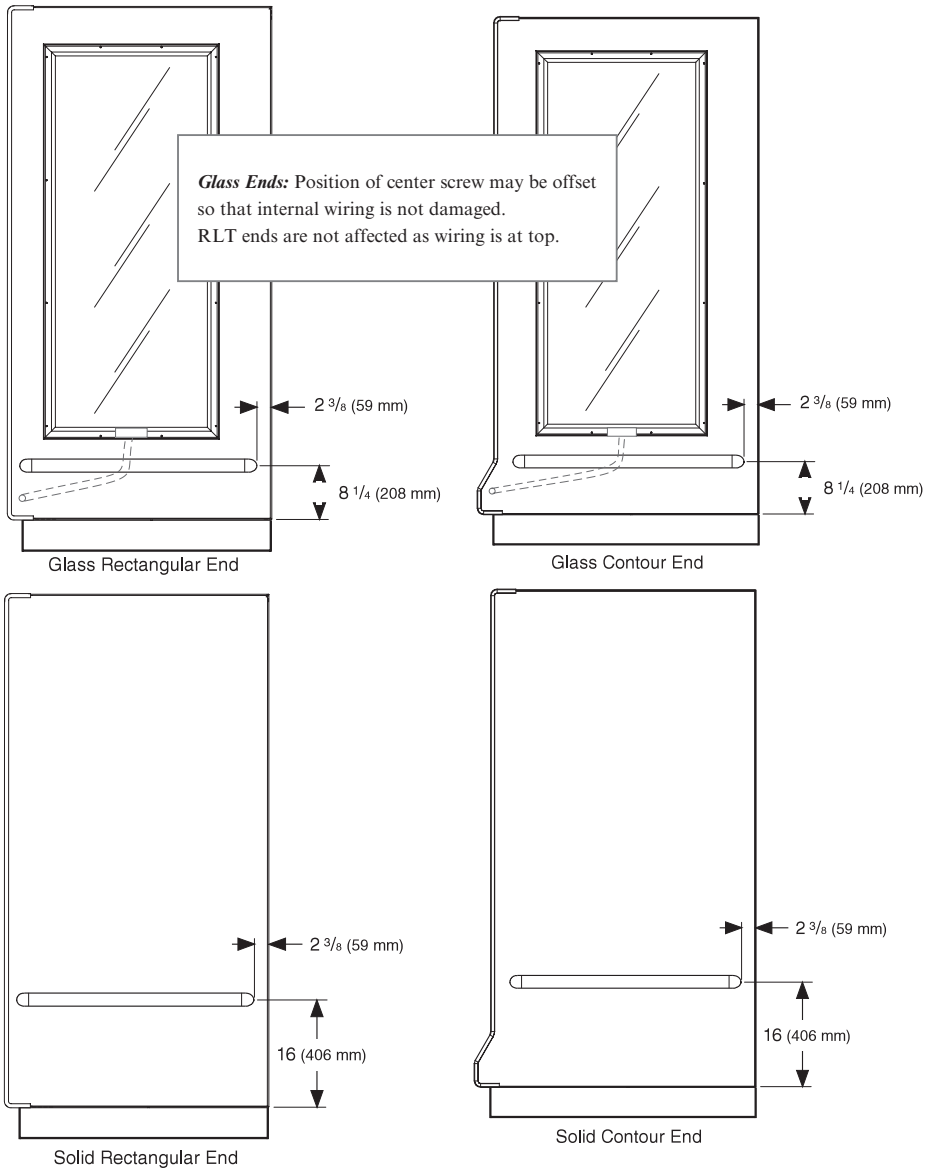


Figure 24. Location Optional End Bumper

NOTES: