

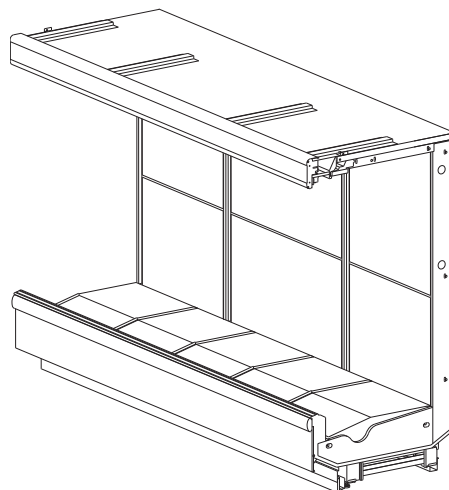
Medium Temperature Merchandisers

### PARTS LIST

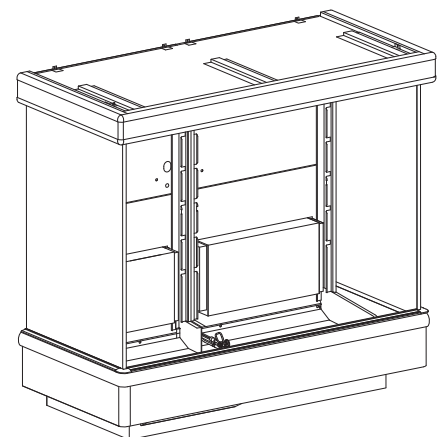
Item No.	Quantity	Description
1.	1	Gasket 1/2 x 1 x 180
2.	1	Gasket 1/2 x 1 5/8 x 120
3.	1	Insulation Tape 1/2 x 5 3/8 x 75 1/2
4.	2	Front Rail Alignment Rod
5.	4	Cap Screw 5/16 - 18 x 5 1/2
6.	4	118° Joining Bracket
7.	8	Neoprene Washer 5/16 x 2 in.
8.	4	Fender Washer 5/16 x 2 in.
9.	4	Lock Washer 5/16
10.	4	Hex Nut 5/16 - 18
11.	4	Machine Screws #10 - 18 x 1 1/4
12.	4	Flat Washer
13.	4	Lock Washer
14.	4	Hex Nut #10 - 18
15.	4	Cap Screw 5/16 - 18 x 1 3/4
16.	4	Flat Washer 5/16
17.	4	Square Washer 5/16 - 2 1/4
18.	4	Cap Screw 5/16 - 18 x 1 3/4
19.	4	Flat Washer 5/16
20.	4	Lock Washer 5/16
21.	4	Hex Nut 5/16 - 18

#### Note:

Joining instructions reference case models: D5XELE and two D5XLPEP parent merchandisers. Joining instructions are the same for D5XEE joined with D5XEP.



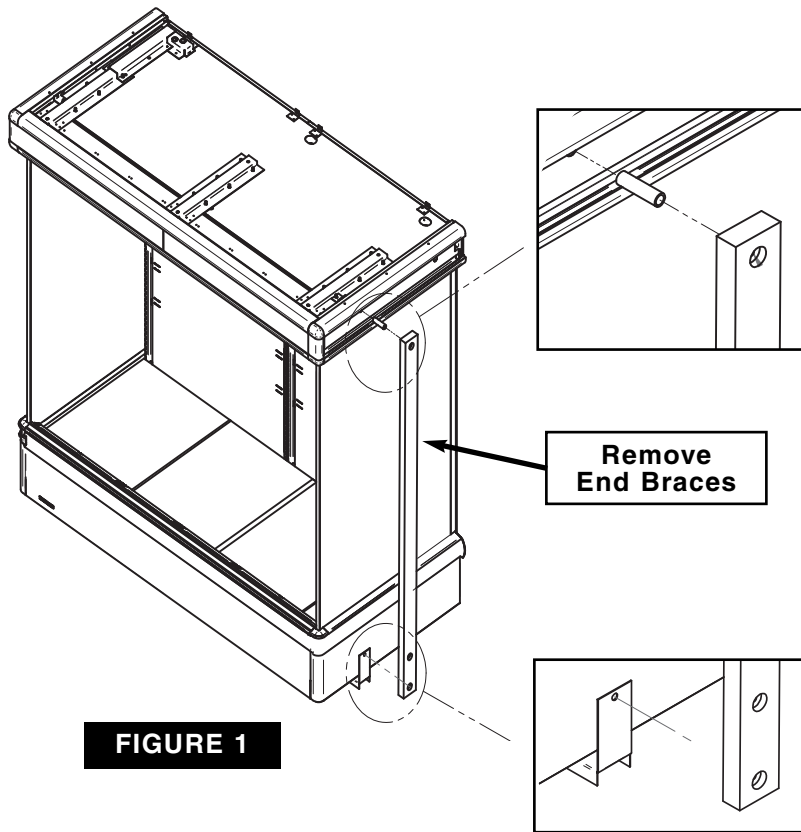
D5XLPEP / D5XEP



D5XELE / D5XEE

# 1 POSITION END CASE / REMOVE PACKAGING

Move the end merchandiser as close as possible to its permanent location at the end of the parent, and remove all packaging. Check for damage before discarding packaging. Remove all separately packed accessories such as kits and shelves. Remove end braces and discard hardware. Each case is shipped on a rider to protect the factory installed front legs, and to make positioning the case easier. **DO NOT** remove the front rider until the case has been positioned. Once the rider is removed, the case must be lifted –**NOT PUSHED**– to reposition. To remove the rider, remove bolts attaching rider to each leg.



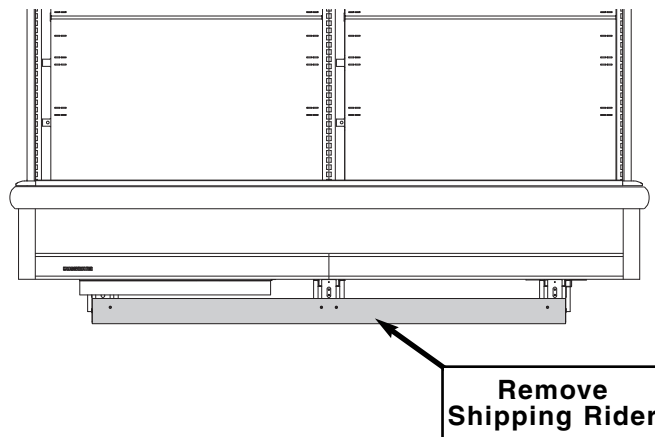
**FIGURE 1**

**Level cases are critical for end installation alignment!**

Level two back-to-back parent cases. The gap between the case backs is approximately 5½ in. wide. Refer to the Excel Medium Temperature Installation Manual for leveling instructions (provided with each Excel merchandiser).

**Shim merchandisers as necessary to fill gaps and align bumper retainers.**

Merchandisers must be level to ensure proper operation of the refrigeration system and to ensure proper drainage of defrost water. Do not place levels on display pans or on shelves.

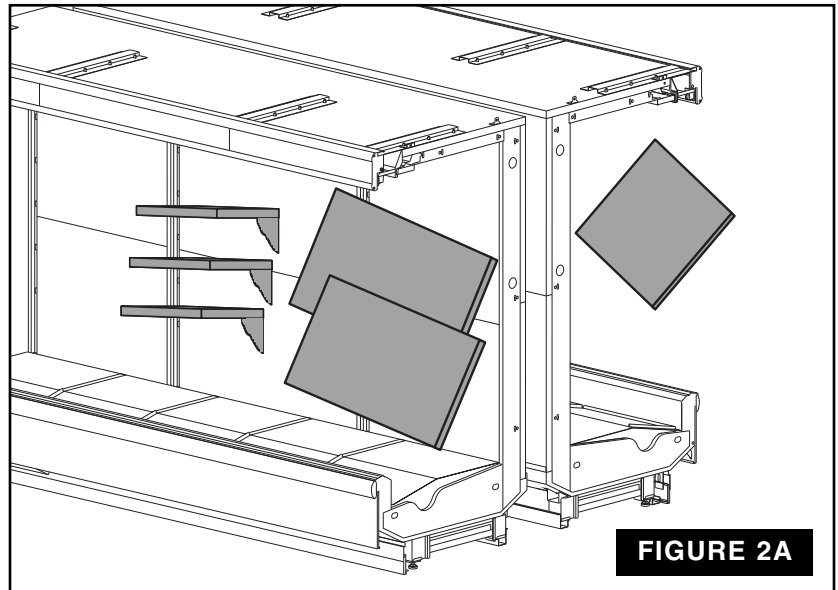


**Position End Case / Remove Packaging**

## 2 REMOVE ITEMS FROM PARENT CASES / APPLY GASKETS

Remove shelves (if installed), display racks, honeycomb, pans, front shelf supports and front air grilles from the right end as shown in **Figure 2A**.

Remove the lower back panel first by lifting up from its bottom edge and out. Do not use sharp tools. Lift the upper back panel up and out. Remove factory installed nut retainers along vertical frame of parent cases, (if installed).

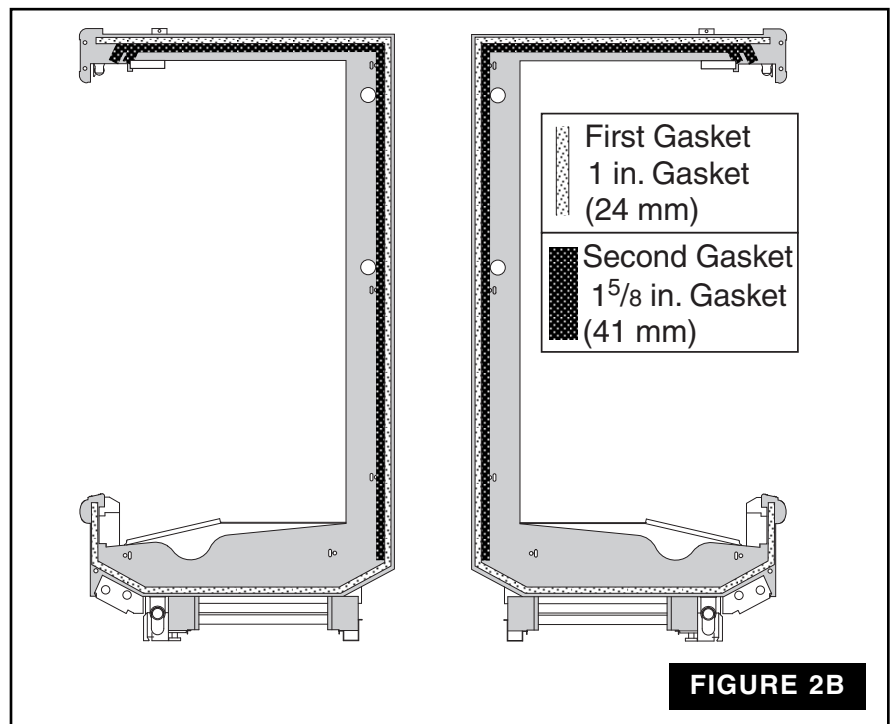


Apply **1 in. Gasket (Item 1)** around perimeter of parent cases as shown in **Figure 2B**. Check that there are no gaps between gasket and case.

Apply **1<sup>5</sup>/<sub>8</sub> in. Gasket (Item 2)** so that one edge is on the metal case frame and the parallel edge laps the 1 inch gasket. Check that there are no gaps between case and gaskets.

### 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 required by NSF.



Remove Items from Parent Cases / Apply Gaskets

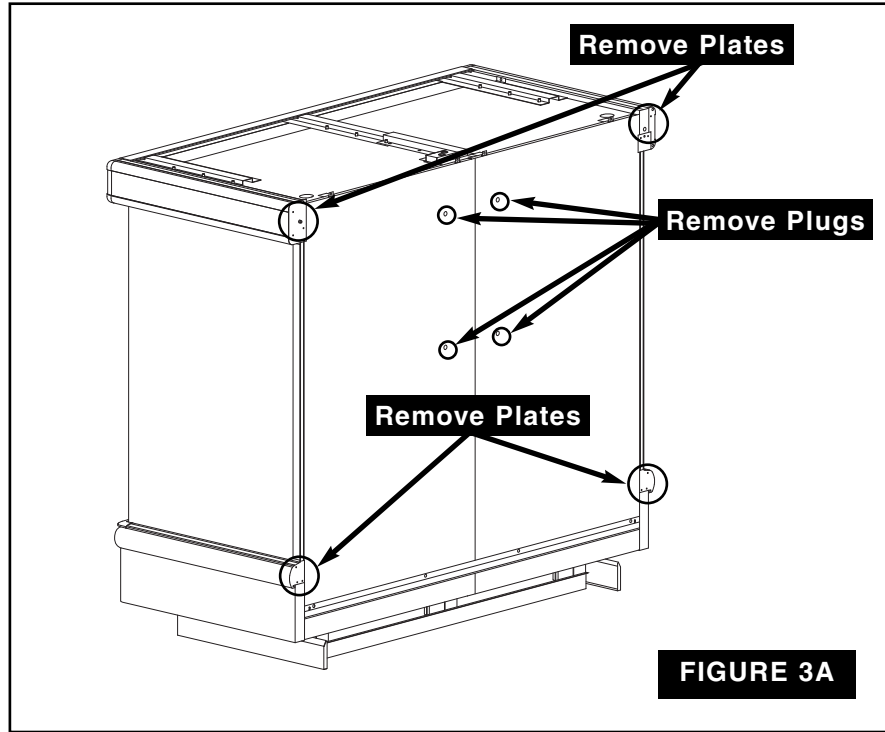
### 3 REMOVE PLATES AND PLUGS / APPLY INSULATION TAPE

Remove exterior rear close-off plates from the end merchandiser as shown in **Figure 3A**.

Remove joining hole plugs located along the center back of the end merchandiser as shown in **Figure 3A**.

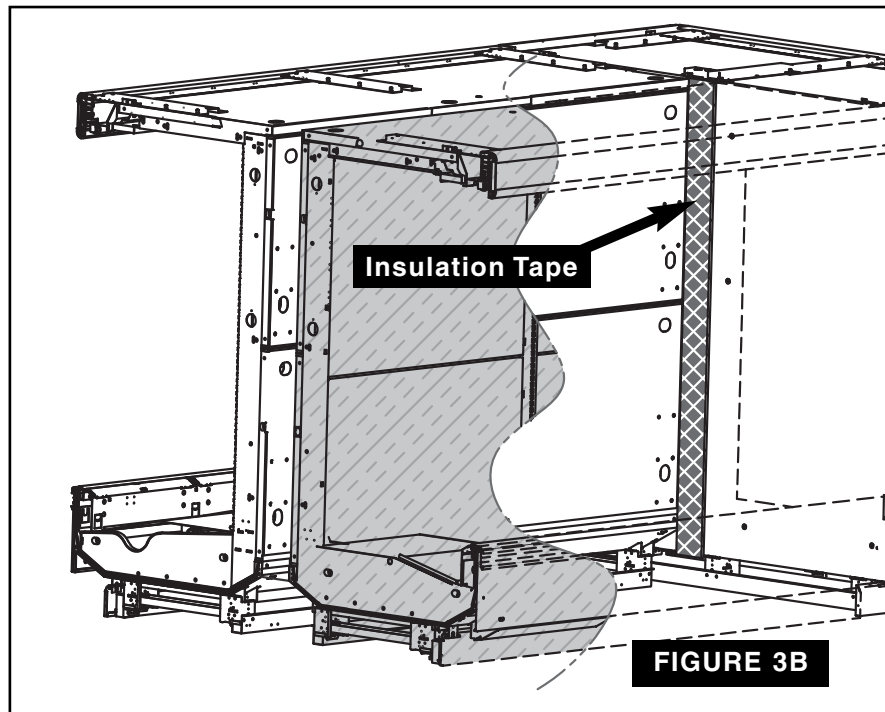
**NOTE:**

*If installing optional front rail lights, snap rail light caps in place before joining end merchandiser as shown on Page 8.*



**FIGURE 3A**

Apply 5<sup>3</sup>/<sub>8</sub> in. wide Insulation Tape (**Item 3**) to end case as shown in **Figure 3B**. D5XEP / D5XLEP parent cases are free-standing with an approximate 5<sup>1</sup>/<sub>2</sub> in. gap between the two back-to-back cases.



**FIGURE 3B**

**IMPORTANT**

**Insulation Tape reduces heat transfer, limits condensation and aids merchandiser in maintaining cold temperatures.**

**Remove Plates and Plugs / Apply Insulation Tape**

## 4 ALIGN CASES / TIGHTEN JOINING POINTS

Lift end merchandiser to position and align with D5XLEP parent merchandisers, mating alignment pins with corresponding holes.

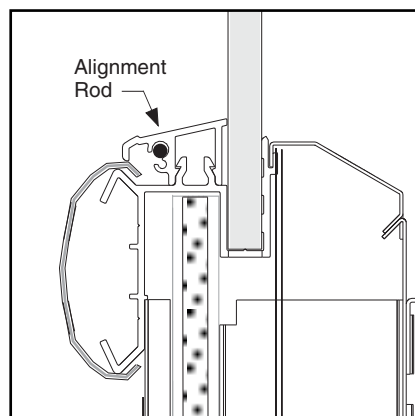
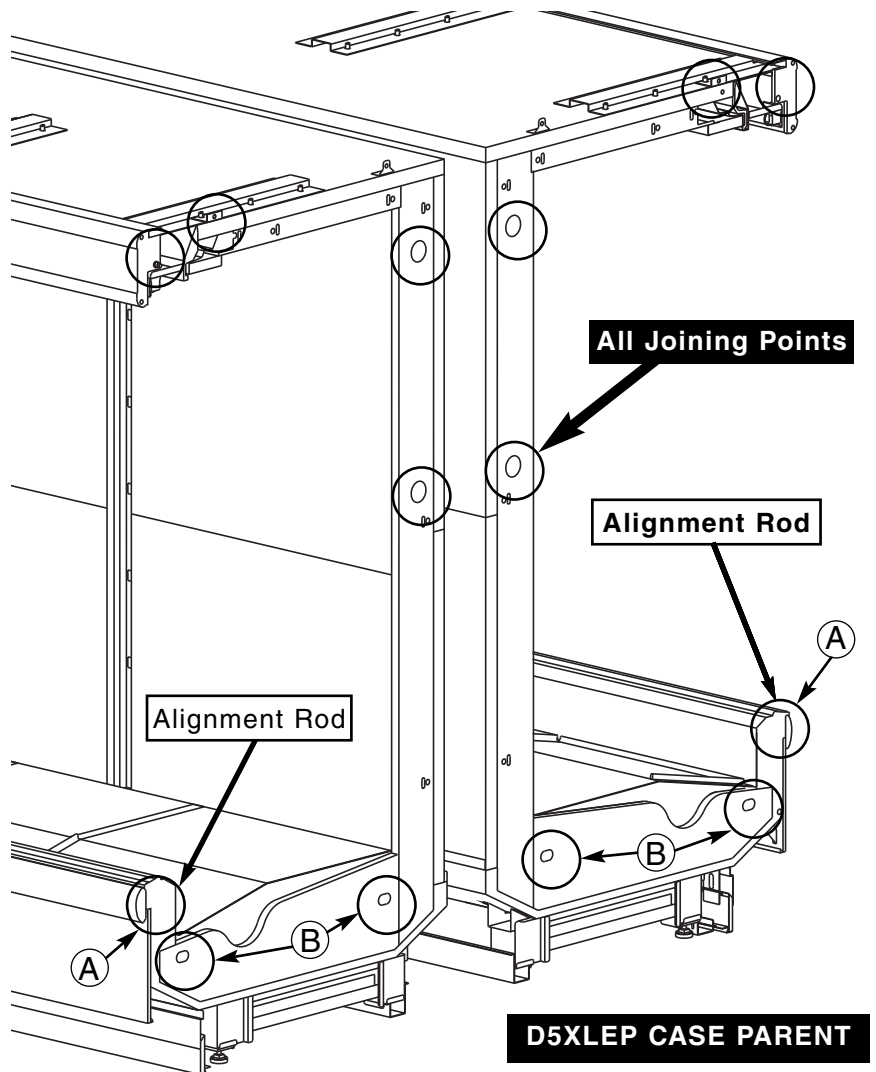
*Carefully lift merchandiser in position. Do not pull or push merchandiser. Pulling or pushing case may damage adjustable legs.*

Insert **Front Rail Alignment Rod (Item 4)** (1/4 in. diameter x 6 in.) to bottom alignment rod recess in lower front rails of parent cases and push alignment rod through recess in end case rails. Each end merchandiser gets one alignment rod in lower front rail as shown in **Detail A**.

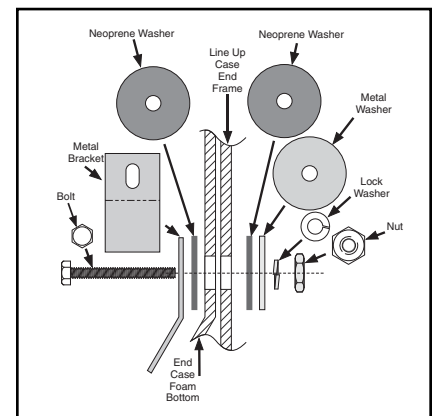
**NOTE: FRONT RAIL CONFIGURATION IS DIFFERENT FOR OPTIONAL RAIL LIGHTS.**

Level end merchandiser, and shim as necessary.

Insert **5 1/2 in. Cap Screws (Item 5)** through **118° Joining Bracket (Item 6)**, **Neoprene Washer (Item 7)** and D5XLEP cases. Pass cap screws through D5XELE and insert neoprene washer, **Metal Washer (Item 8)**, **Lock Washer (Item 9)** and **Hex Nut (Item 10)** as shown in **Detail B**. Loosely tighten screws until cases touch.



DETAIL A



DETAIL B

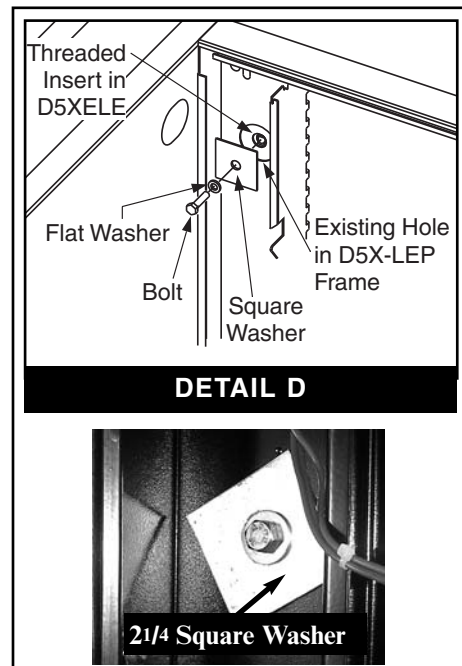
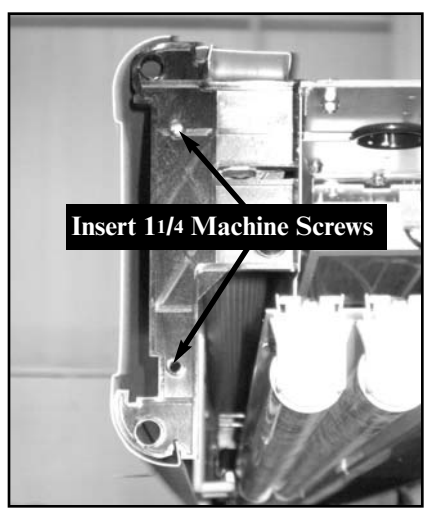
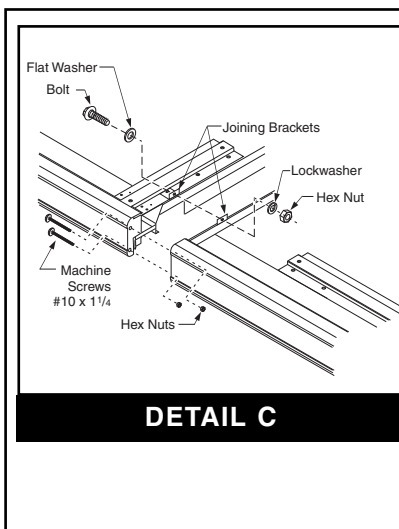
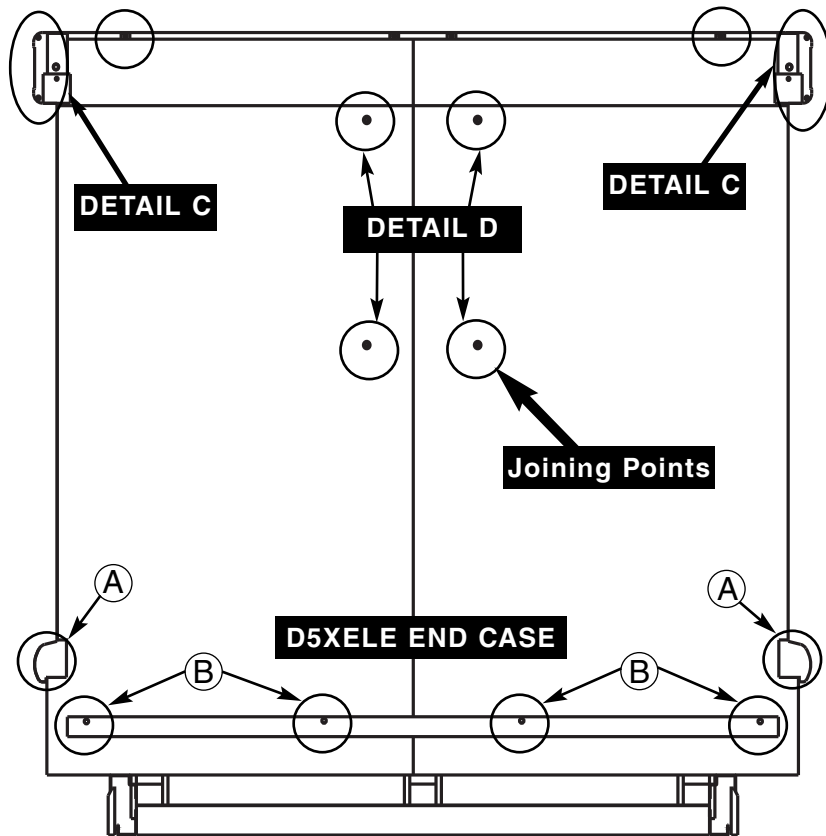
### Align Cases / Tighten Joining Points

**ALIGN CASES / TIGHTEN JOINING POINTS**

Insert 1 1/4 in. Machine Screws (Item 11) through Flat Washer (Item 12), D5XLEP canopy rails and through canopy rails of end case. Attach with Lock Washer (Item 13) and Hex Nuts (Item 14) at end case as shown in Detail C.

Insert 1 3/4 Cap Screws (Item 15) through Flat Washers (Item 16) and Square Washers (Item 17). Insert 1 3/4 cap screws through D5XLEP cases and into D5XELE threaded recess. Join cases together at middle center and top center as shown in Detail D. Loosely tighten screws.

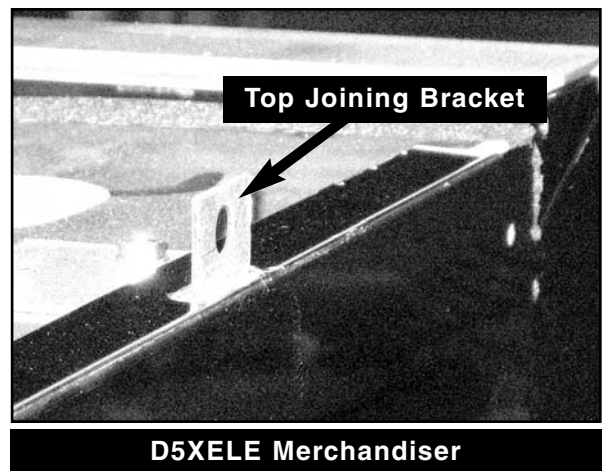
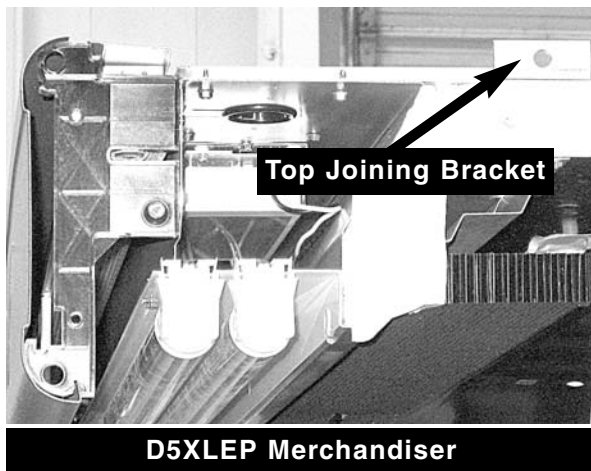
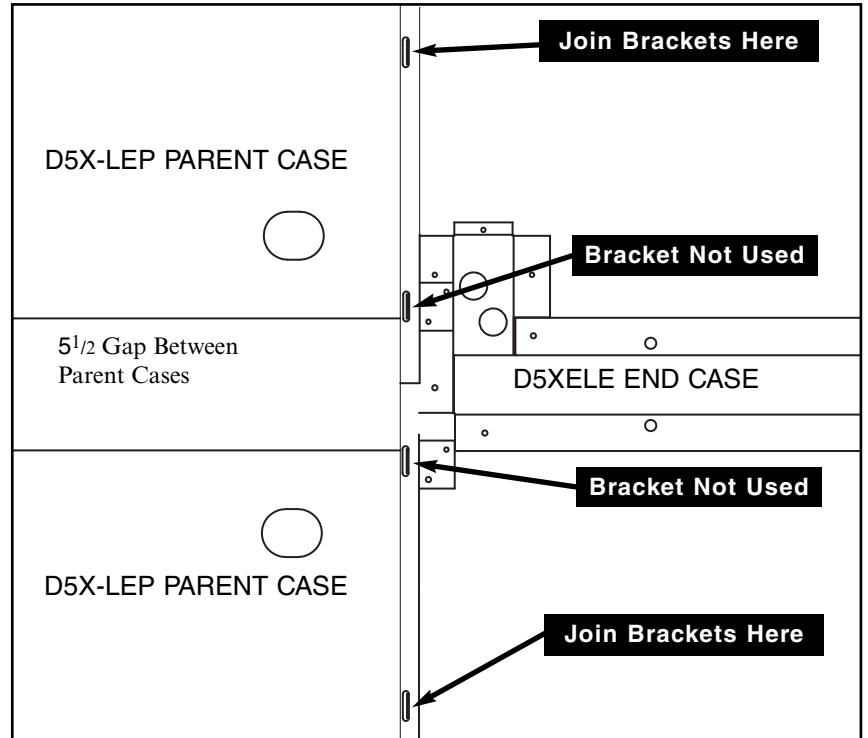
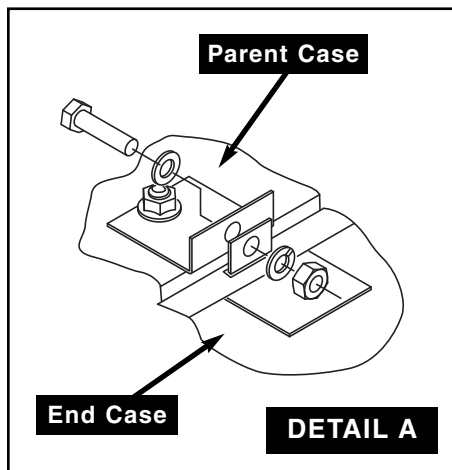
**TIGHTEN ALL JOINING POINTS STARTING WITH THE BOTTOM OF THE CASE TO THE CASE CANOPIES.**



**Align Cases / Tighten Joining Points**

## 5 FASTEN TOP JOINING BRACKETS

Fasten factory installed top brackets of parent cases to end case using 1<sup>3</sup>/<sub>4</sub> in. Cap Screws (Item 18), Flat Washers (Item 19), Lock Washer (Item 20) and Hex Nuts (Item 21) as shown in Detail A.

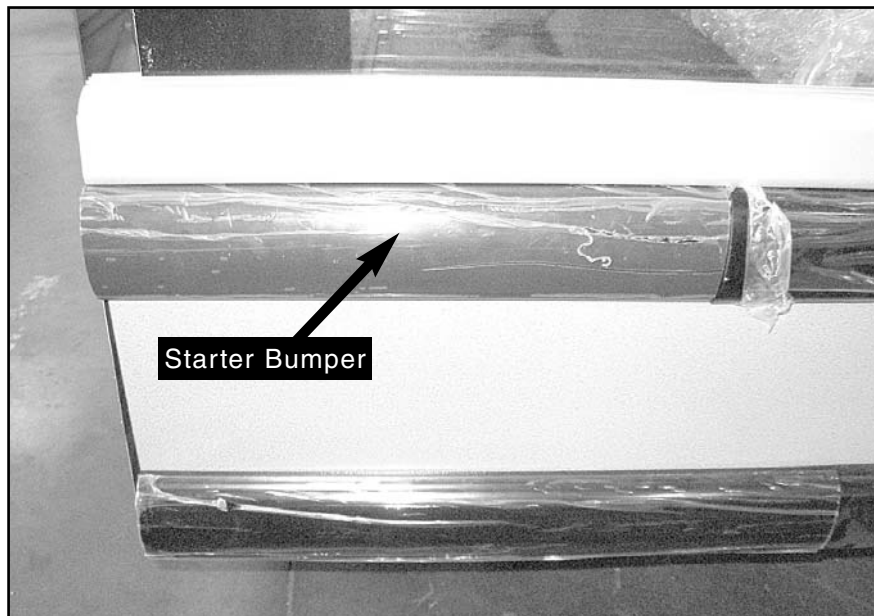


Fasten Top Joining Brackets

## 6 REMOVE STARTER BUMPER

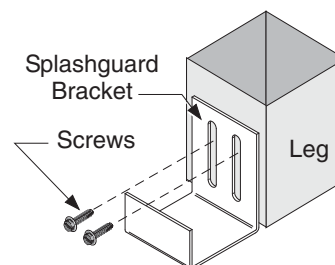
Remove starter bumper from end case as shown in **Figure 3A**. Once cases are joined, the bumper from the parent cases will be pushed down to take the place of the starter bumper's location. The remaining cases in the parent will also move down to fill in the gaps. The starter bumper will then be replaced at the beginning of the case parent at the opposing end. Bumpers may be modified to ensure a good fit for the case parent.

Refer to the Excel Medium Temperature Installation Manual for additional bumper offsetting instructions.



### **!** CAUTION

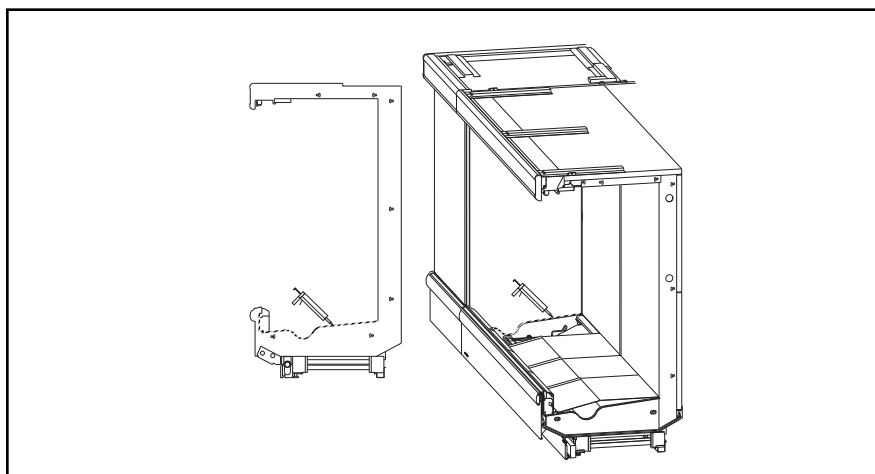
TO AVOID LEAKS, INSTALL SPLASHGUARD BRACKETS BEFORE INSTALLING DRIP PIPING.



## 7 INSTALL SPLASHGUARDS / APPLY SILICONE

Position splashguard brackets, and level case with the floor. Each bracket has a 1½ in. (38mm) slot at the rear of the bracket where it attaches to the merchandiser. Tighten screws to secure the splashguard brackets in place.

Apply a ½ in. bead of silicone where parent cases and end merchandiser join, starting at the back, bottom corner, and continue to the front rail.



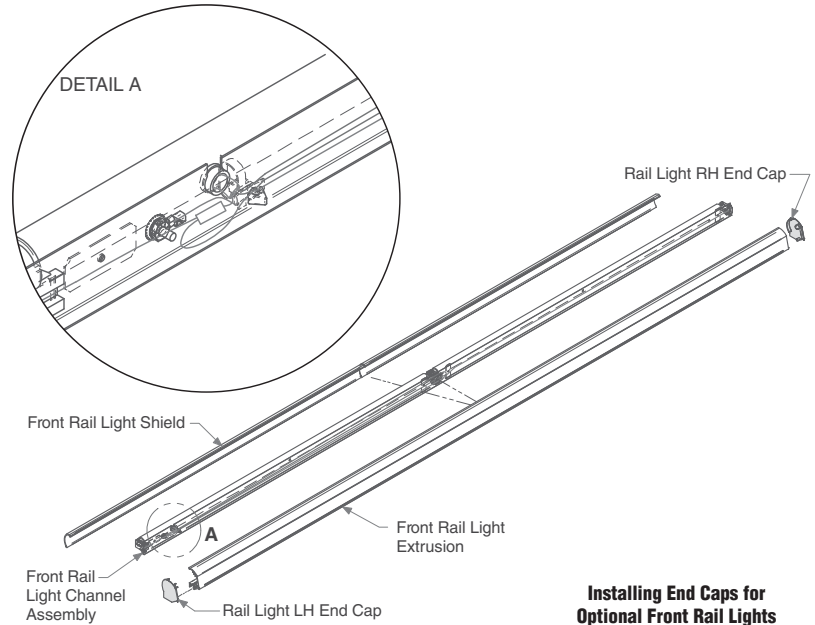
**Remove Starter Bumper / Install Splashguards / Apply Silicone**



## 8 OPTIONAL FRONT RAIL LIGHTS / OPTIONAL EXTERNAL FAN

Optional front rail light assembly must have an end cap installed at the end of each rail light when joining cases or when ends are installed. Caps snap on without tools or fasteners.

Refer to the Excel Medium Temperature Installation Manual for additional wiring instruction.

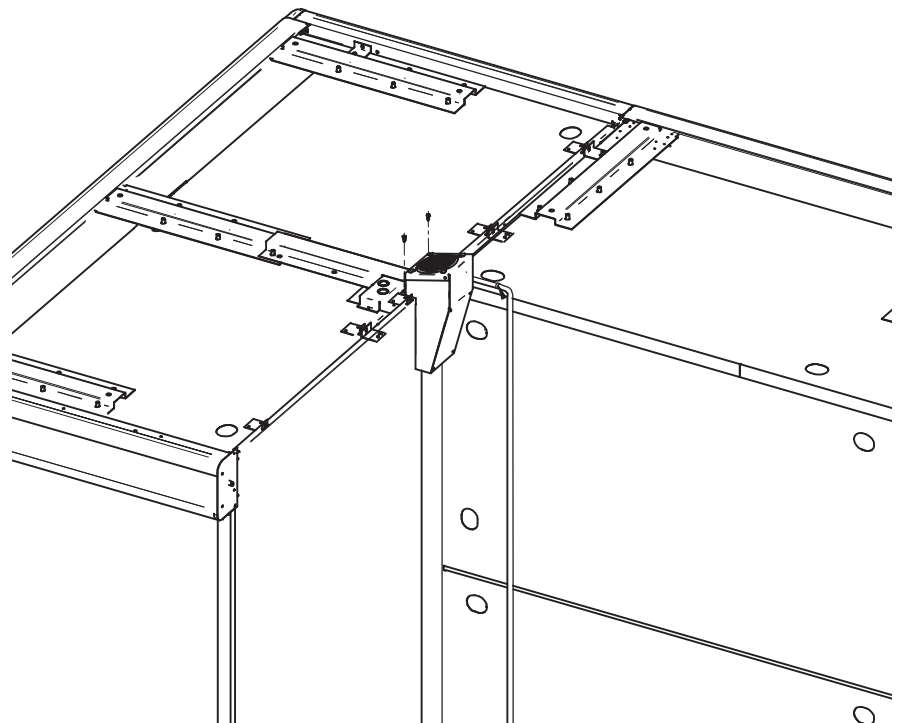


Installing End Caps for  
Optional Front Rail Lights

### Optional Front Rail Lights

Optional External Fan limits condensation at the coils and aids merchandiser in maintaining desired product temperature.

Install External Fan to D5XELE or D5XEE end merchandiser. Drill sheet metal screw 10 - 16 x 1/2 through bracket holes in external fan. Secure fan conduit to parent merchandiser using 3/8 jiffy clips. Connect electrical wiring through end merchandiser raceway.



Optional External Fan