

# Installation Instructions



**This equipment is intended for installation in refrigerators/freezers for the storage and display of packaged products only.**

## Slide Lids - Island Case Retrofits

99-19667-1001  
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Innovating What's Next

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## Special Installation Instructions

### **THE FOLLOWING STEPS ARE CRITICAL TO THE PROPER INSTALLATION OF THIS SLIDE LID ASSEMBLY.**

This product is designed to be installed to a flat plane surface. Due to the variation in case manufacturers and design, some modification may be required to achieve this. Anthony offers some optional accessories for limited applications. Contact your local Anthony sales representative for pricing and availability.

When installing Slide Lid Assemblies in retrofit stores with multiple similar sized cases, the installer must check the label on the front rails next to the Part Number for the case serial number (ex. Part # SN#5148541). This will avoid the problem of incorrect Slide Lid Assemblies being installed on wrong-sized cases. If no Serial Number is provided, assume the cases are of the same size.

If the case is an OEM case, the OEM's part number is listed here.

These steps must be completed prior to removing the plastic backing from the tape on the Slide Lid Frame and affixing the frame to the case.

1. The center supports on the V2 cases must be installed properly.
2. All the fixed glass and sliding glass doors with handles must be installed in their openings.
3. The center supports on the V2 cases must be properly adjusted.
4. All sliding glass doors must move freely.

5. Corner to corner squareness of slide lid frame must be within 1/4" (6.35mm).
6. Once it is verified that the glass moves freely:
  - Remove the plastic backing from the tape on the center glass.
  - Remove the plastic backing from the tape on the Frame and End Boards.
  - Please ensure that the end boards are straight when pulling the plastic backing from the tape on the V1 frames.

## Slide Lids Installation Instructions

<b>Appearance and Total Structure .....</b>	<b>6</b>
<b>V1 Basic Layout (Single Island – 2 Pieces Glass – Both Movable) .....</b>	<b>7</b>
<b>V15 Basic Layout (Intermediate Island – 2 Pieces Glass – Both Movable) .....</b>	<b>7</b>
<b>V1W Basic Layout (Narrow Wall Island – 2 Pieces Glass – 1 Movable, 1 Fixed) .....</b>	<b>8</b>
<b>V2 Basic Layout (Double Island – 3 Pieces Glass – 2 Movable, 1 Fixed) .....</b>	<b>8</b>
<b>V2E Basic Layout (End Island Case – 2 Pieces Glass – 1 Movable, 1 Fixed) .....</b>	<b>9</b>
<b>Case Parts .....</b>	<b>9</b>
<b>Glass Parts .....</b>	<b>12</b>
<b>Appearance and Total Structure .....</b>	<b>13</b>
<b>Tooling .....</b>	<b>13</b>
<b>Cleaning .....</b>	<b>13</b>
<b>Parts Preparation .....</b>	<b>13</b>
<b>Case Frame Assembly Installation .....</b>	<b>14</b>
<b>Revision History .....</b>	<b>23</b>

## Slide Lids Installation Instructions

### Appearance and Total Structure

Vertical Slider Island Case Retrofits may be accomplished with any one of five (5) different versions, depending upon the job at hand (V1, V1W, V15, V2 and V2E). The version illustrated in this document is V2. The remaining versions are described in Section 3, and have their differences called out, where appropriate.

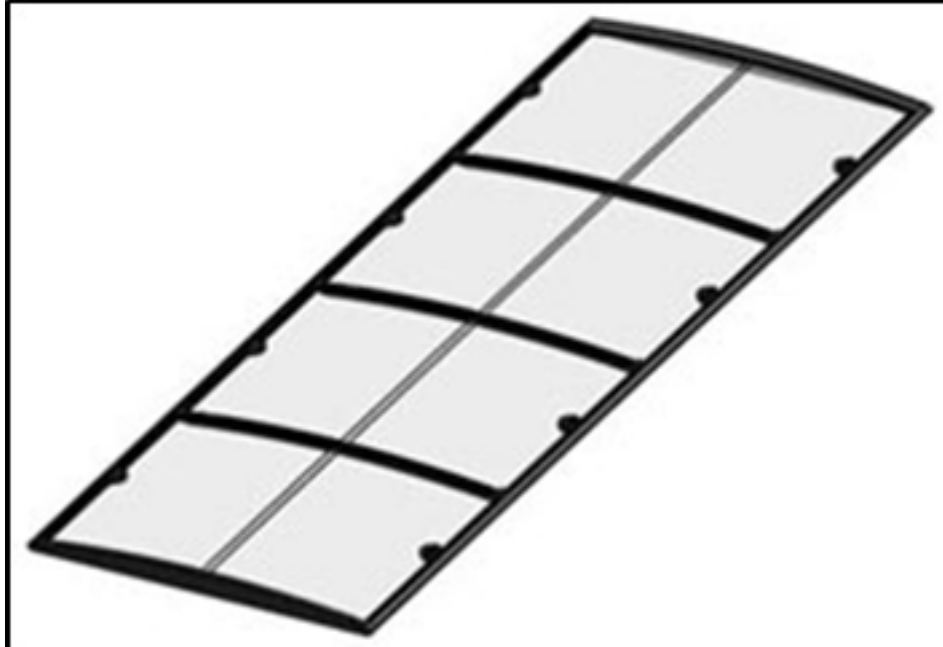


*Final Assembly*

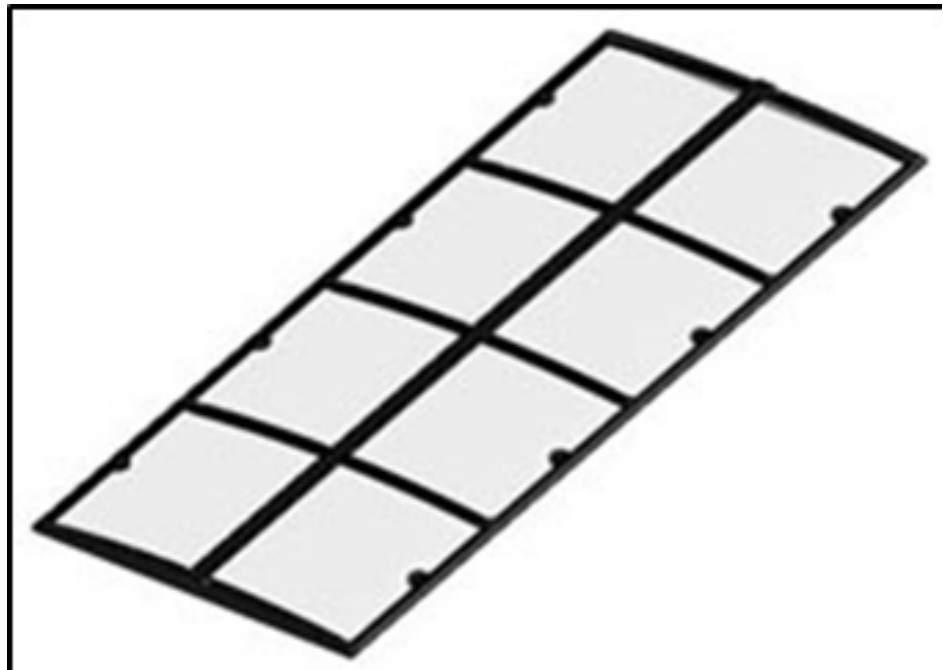
**NOTE:** Dash numbers on parts have different definitions, depending upon the part. A molded part has a dash number of -0001 or -0002. A -0001 indicates that the part is black in color; -0002 is gray.

A fabricated part's dash number indicates size. Contact your Anthony representative with your required part lengths.

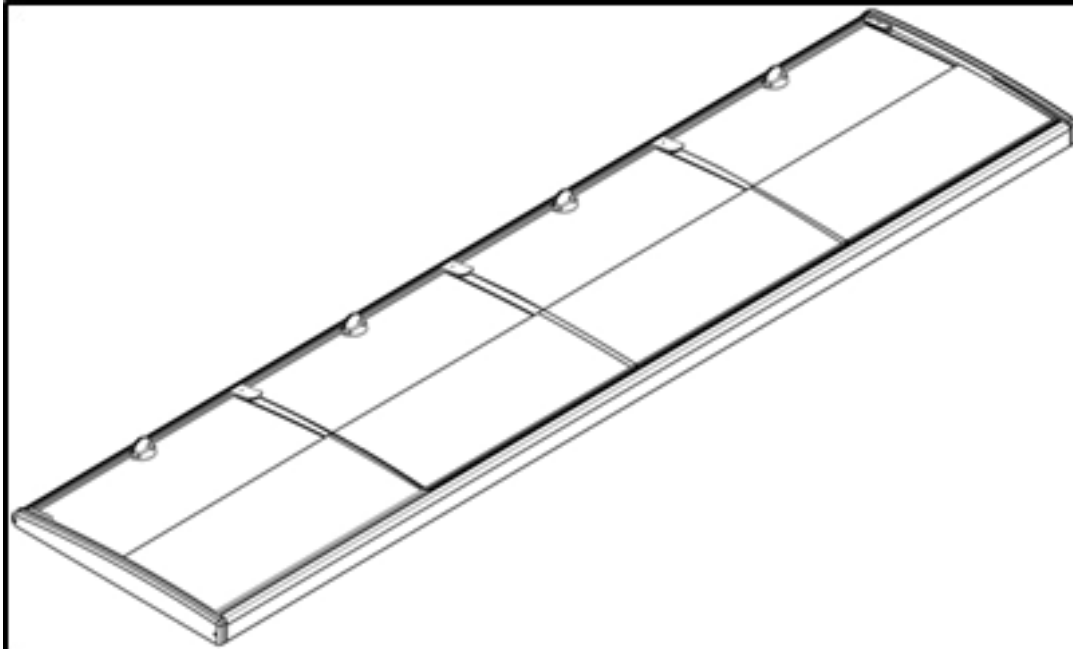
**V1 Basic Layout (Single Island – 2 Pieces Glass – Both Movable)**



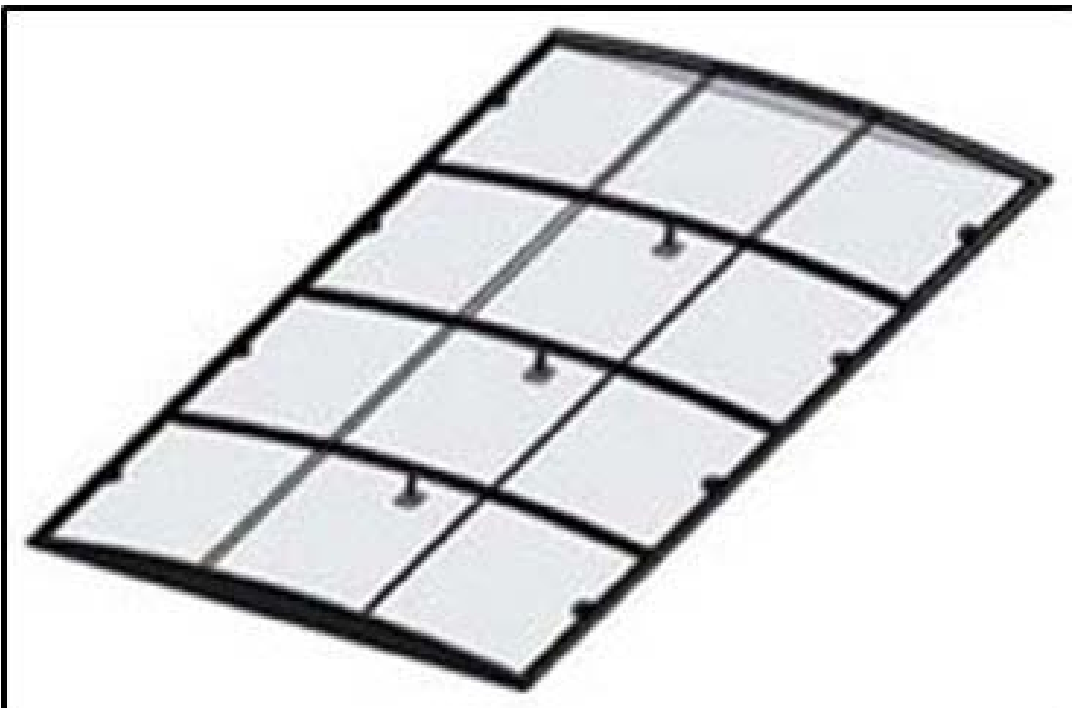
**V15 Basic Layout (Intermediate Island – 2 Pieces Glass – Both Movable)**



**V1W Basic Layout (Narrow Wall Island – 2 Pieces Glass –  
1 Movable, 1 Fixed)**

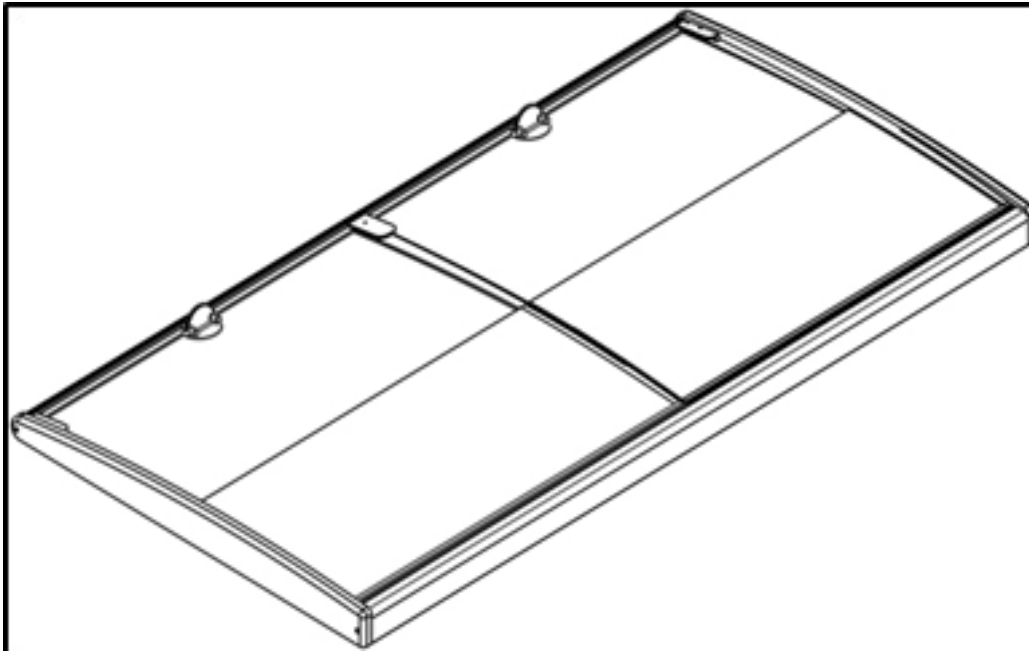


**V2 Basic Layout (Double Island – 3 Pieces Glass –  
2 Movable, 1 Fixed)**

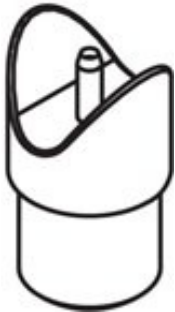

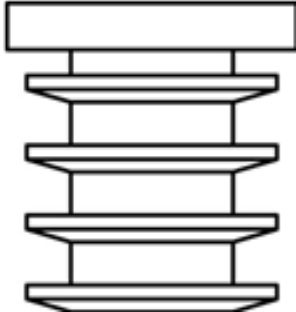
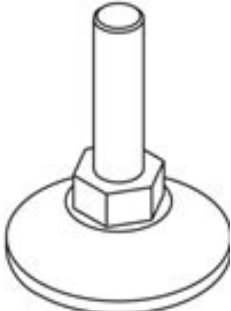




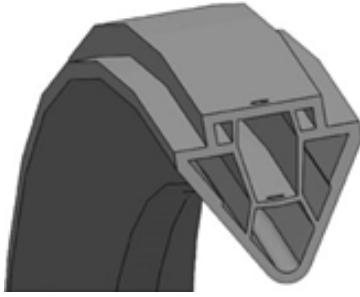



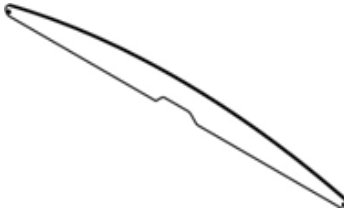
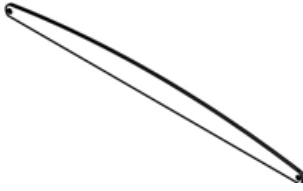
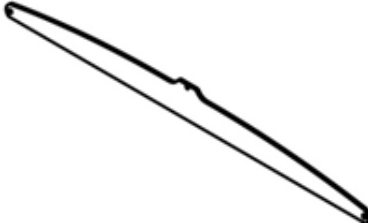
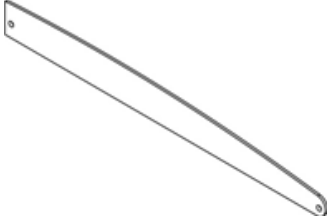
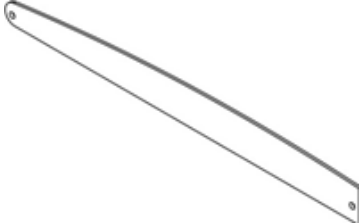





**V2E Basic Layout (End Island Case – 2 Pieces Glass –  
1 Movable, 1 Fixed)**



**Case Parts**







 <p><b>Curved Rail Support Cap</b> 20-19271-0000 (V2)</p>	 <p><b>Curved Rail Support Tube</b> 11-19272-0000 (V2)</p>	 <p><b>Nutsert</b> 40-19273-0000 (V2)</p>
 <p><b>Curved Rail Support Adjuster</b> 40-19274-0000 (V2)</p>	 <p><b>Curve Rail Joint Connector</b> 20-20141-0000 (All Cases)</p>	 <p><b>Locking Pin</b> 20-19243-0000 (All Cases)</p>

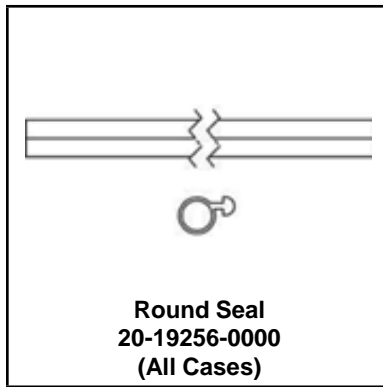
 <p><b>Middle Curve Rail</b> 20-20139-0000 (All Cases)</p>	 <p><b>Side D-Rail</b> 20-19247-0000 (All Cases)</p>	 <p><b>End Board</b> 20-19248-0000 (V1, V2)</p>
 <p><b>CEnd Board</b> 20-19318-0000 (V15)</p>	 <p><b>Polycarbonate Spacer Board</b> 20-19270-0000 (V2)</p>	 <p><b>Polycarbonate Spacer Board</b> 20-19308-0000 (V1)</p>
 <p><b>Polycarbonate Spacer Board</b> 20-19307-0000 (V15)</p>	 <p><b>Right End Spacer Plate</b> 20-19608-0000 (V1W)</p>	 <p><b>Left End Spacer Plate</b> 20-19607-0000 (V1W)</p>
 <p><b>Side Curve Rail</b> 20-20140-0000 (All Cases)</p>	 <p><b>Tap Screw ST4.2*35</b> 40-19252-0001 (All Cases)</p>	 <p><b>Tap Screw ST4.8*50</b> 40-19252-0004 (All Cases)</p>

 <p><b>Tap Screw ST4.2*45</b> 40-19252-0003 (V2E)</p>	 <p><b>Tap Screw #7-16 x 2"</b> 40-20446-1015 (V1W, V2E) Black Rail Only</p>	 <p><b>Double Sided Tape</b> 70-19599-0005 (All Cases)</p>
 <p><b>End Board LH</b> 20-19265-0000 (V1W, V2E)</p>	 <p><b>End Board RH</b> 20-19266-0000 (V1W, V2E)</p>	 <p><b>End Case Back Rail</b> 20-19268-0000 (V1W, V2E)</p>
 <p><b>Curved Rail Joiner</b> 20-20142-0000 (V1W, V2E)</p>	 <p><b>#10 Phillips F/H Oval Screw</b> 40-60046-1015 (V2, V15, V1, V1W)</p>	 <p><b>Thrust Head Barrel Nut</b> 40-19736-1007 (V2, V15, V1, V1W)</p>
 <p><b>Flat Washer</b> 40-11011-1004 (V2, V15, V1, V1W)</p>	 <p><b>1/4-20 PPH Machine Screw</b> 40-19735-100X (V2, V15, V1, V1W)</p>	 <p><b>Long Corner Bracket - Right</b> 20-20511-000X (V2, V15, V1, V1W)</p>

 <p><b>Long Corner Bracket - Left</b> 20-20511-000X (V2, V15, V1, V1W)</p>	 <p><b>Screw, 6 x 3/4, Phil Oval Hd, SMS, 18-8 S.S.</b> 40-20720-5009 (V2, V15, V1, V1W)</p>	 <p><b>Slide Lid Corner Bracket Plug</b> 20-20676-000X (V2, V15, V1, V1W)</p>
 <p><b>Slider Hole Plug</b> 20-21010-000X (V2, V15, V1, V1W)</p>		

## Glass Parts







 <p><b>Top Glass Assy</b> 30-19477-0003 (V1W, V2E)</p>	 <p><b>Center Glass Assy</b> 30-19477-0002 (V1W, V2E)</p>	 <p><b>Bottom Glass Assy</b> 30-19477-0001 (V1W, V2E)</p>
 <p><b>Upper Glass Assy</b> 30-19485-0002 (V1, V15, V2)</p>	 <p><b>Center Fixed Glass Assy</b> 30-19485-0003 (V2)</p>	 <p><b>Lower Glass Assy</b> 30-19485-0001 (V1, V2, V15)</p>



## Appearance and Total Structure

### Tooling

The following tools are required to complete the vertical slider island case retrofit.

 <b>Cordless Driver/Drill</b>	 <b>Phillips Screw Driver</b>	 <b>Tape Measure (5m)</b>
 <b>Hammer</b>	 <b>Marker Pen</b>	 <b>Cutter</b>
 <b>Level</b>		

### Cleaning

Prepare the case surface for installation by removing any foreign objects and dirt from the case's frame and glass covers.

### Parts Preparation

1. Check the combination pattern of the island case to get an idea of its general structure.
2. Check part names, specifications and quantities in the Bill of Material.
3. Lay out a sheet of plastic film beside the case and take parts out of the boxes. Remove any packing foil (do not remove the glass from the boxes at this time).

4. Lay the case glass frame parts on the plastic film beside the case in accordance with the order of part assembly.

## Case Frame Assembly Installation

Note that **ONLY** the two side rails and middle curve rail may be assembled on the floor. Assemble the entire length of the assembly (up to 12 feet) off of the case. Flip over the assembly to the bottom and fill in any missing areas with tape. Care must be taken with the 12' V2 frame assemblies so that they are properly supported when placing them on the case to prevent cracking of the frame structure. Note that a minimum of two (2) installation personnel for the V1W, V1 and V2E frames and three (3) installation personnel for the V2 and V15 frames, are required to move the assembly in order to prevent break- age.

1. Change out Fan Blades in the bottom of the cases prior to the installation of the frame on the case.
2. Relocate Price Tag Molding to ensure that the frame will sit down flush to the case top surface.
3. Curve Rail Joint (V1W).
  - Set the End Case Back Rail (20-19268) on the floor with Curve Rail joiners facing up (V1W, V2E).



4. Install the Middle Curve Rails (V1W, V2E).
  - Install the middle curve rails (20-20139) to the curved rail joiner (20-20142) on the rear rail (20-19268).



5. Join the Curve Rail to the Side D-Rail Assembly.

- Install of the middle curve rail (20-19139) to the Side D-Rail assembly (20-19247).



6. Install the Middle Curve Cross Rails (V2, V15, V1).

- Install of the middle curve rail (20-19139) to the Side D-Rail assembly (20-19247).



- Install the middle curve rail (20-19139) to the second Side D-Rail assembly (20-19247).

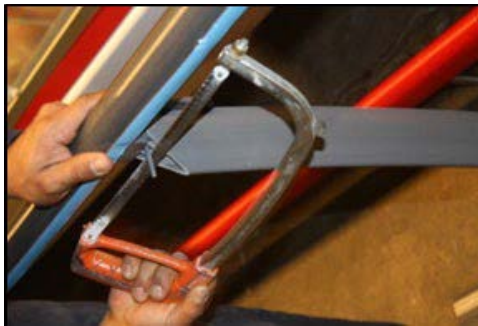


7. Install Lock Pin.

- Install the lock pin through the middle curve rail and curve rail joint. Install the small pin end first, then hammer it in until it is flush with the top surface of the curve rail.



- Clip or cut off pin on the back side of the Side D-Rail.



8. Attach the End Boards on the Frame.

- Attach the pre-assembled End Board, Spacer Board and Side Curved Rail (V1, V15, V2) to the Side D-Rail Assembly with two (2) ST4.8\*50 tapping screws (40-19252) into the curved end of the End Board.





- Attach pre-assembled End Board, Spacer Board and Side Curved Rail (V1W) to Side D-Rail Assembly with one (1) ST4.8\*50 (40-19252) tapping screw into the curved end of the Side D-Rail and (1) #7-16 x 2" tapping screw (40-20446) into the Square side of the End Board and back rail.



- Attach the pre-assembled End Board and Side Curved Rail (V2E) to the Side D-Rail Assembly with one (1) ST4.8\*50 tapping screw (40-19252) into the curved end of the Side D-Rail and (1) #7-16 x 2" tapping screw (40-20446) into the Square side of the End Board and back rail.

9. Flip over the Frame and tape open areas.

- Clean off the plastic surface and tape all the areas that are missing tape, to form a complete seal once placed on the case.
- Start removing the plastic covering from the double-faced adhesive tape about 1" – 1-1/2" long from each end. This will enable you to grip and pull the plastic covering once the frame is located properly on the case.

10. Flip over the Frame and place it lightly on the case.

11. Install center jacks into the hole located in the center of the curve rail (V2 only).



12. Install Glass (V2 only).

- Install all the fixed center glass on the entire case, lining up all the edges. Start removing the plastic covering from the double-faced adhesive tape about 1" – 1-1/2" long from one end.



- Install the upper glass door assemblies (with handles).
- Install the bottom glass door assemblies (smaller door with handles) and make sure all the doors move freely, otherwise the frame may be out of square. If the frame is out of square, adjust the frame.



13. Adjust the jack with the threaded Curved Rail Support Adjuster (40-19274-0000) until the glass is level. Use a 4' level to ensure proper jack height (V2 only).



14. Align the Frame.

- Check the case squareness with the lower, upper and fixed (center) glass in the case. Level center fixed glass. Check alignment of the frame on the case. Check squareness by making sure all the doors move freely; otherwise, adjust the case. \*CTQ\* - Frame must be squared to within 1/4" (6.35mm)

15. Tape Backing Removal.

- **Please ensure that the end boards are straight when pulling the plastic backing from the tape on the V1 frames.**
- Remove the plastic backing from the tape under the fixed center glass and affix it on the centerline of the case, without removing the glass.
- Remove the plastic backing from the tape under the Frame and End Boards.

16. Attach External Price Tag Molding (optional).

- Attach the price tag molding with the double stick tape (provided), to the fixed glass.

17. End Bracket Installation.

- Hold a bracket (P/N 20-20511-000X or 20-20512-000X) in the front left or front right corner.



- Insert a screw (P/N 40-20720-5009) into the closest hole to the front rail.



- Using an electric drill with a torque setting, set on the lowest torque setting, drive the screw in slowly once it is inside the bracket so as to not over-torque the

screw and strip out the threads in the rail.

- Repeat screw insertion in the next hole.



- Push plugs (P/N 20-20676) into the screw holes to close off the holes.



- Frame with the end bracket installed is depicted below.



18. Insert the push-in End Caps (20-21010) into the End Boards.



19. Final Installation.

- Case components in position after retrofit is complete (V2 & V2E).



20. Multiple Case Lineups.

With multiple case lineups – Use screws (40-60046-1015) to assemble polycarbonate end boards. Assemble the frame by working from one end building frames and attaching polycarbonate end boards together with a set of 4 (V1W) barrel nuts (40-19736-1007) (up to 7 for V2), washers (40-11011-1004) and Phillips Head screws (40-19735-100X). Bolt together and line up on the case before pulling plastic backing from the adhesive double stick tape. If needed, fill in the end of the case with foam board and double stick tape to make up difference between the frames and the growth in the case lineup.



*Barrel Nut Assy*



*Barrel Nut Assy  
Installation*



*Barrel Nut Assy  
Installed*



*Barrel Nut Assy  
Installed (Option 2)*

**NOTE:** The Barrel Nut Assembly must have a washer on both sides of the polycarbonate sheets to ensure proper tightening of the assembly.

## Revision History

REV	ORIGINATOR	DESCRIPTION OF CHANGE	DATE
A	J. Buehning	Initial Release	01/09/2012
B	J. Buehning	Modification of Parts & New Images	01/08/2013
C	J. Buehning	Revised picture of end caps 3.8.1 & Price Tag Molding 3.16.1	02/04/2013
D	J. Buehning	Modified and added parts to Case Parts 1.6	02/19/2013
E	J. Buehning	Added UL "Packaged Products" note & hammer image	04/19/2013
F	J. Buehning	Removed End Cap references	04/25/2013
G	J. Buehning	Added Bracket Retrofit Installation and Center Jack Adjustment	06/03/2013
H	J. Buehning	Added new part numbers and images	06/24/2013
J	J. Buehning	Changed V1W & V2E configuration and added end caps	02/06/2014
K	J. Buehning	Added Retrofit Bracket installation parts	03/10/2014
L	J. Buehning	'Special Installation Instructions' page added	06/09/2015
M	J. Horton	Added installation criteria specification	03/01/2016