



Dura-Fold Slide Out Cover

Assembly and Installation Instructions



Read the instructions before starting the job. They explain the steps required to produce a finished product that will meet factory specifications.
All references to “Left” and “Right” are while facing the home.

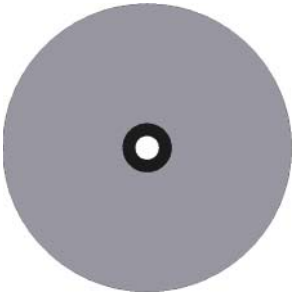










Check the material received.
Match your shipment with the Bill of Materials.
If there is a shortage or wrong material,
call Dealer Service immediately.

Safety is important!
Wear Safety Glasses and Work Gloves.
Follow all safety practices while assembling
and installing this product.

Dura-Bilt Products, Inc. P.O. Box 188 Wellsburg, N.Y. 14894

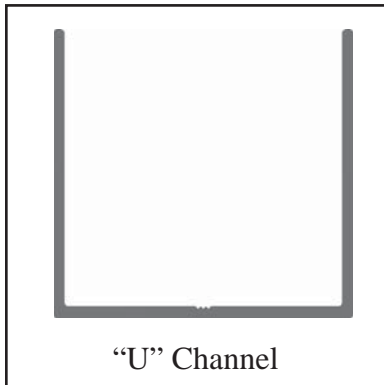
Dealer Service 570-596-2000 E-Mail info@durabilt.com

DURA-BILT RESERVES THE RIGHT TO CHANGE DESIGN AND/OR SPECIFICATIONS WITHOUT NOTICE.

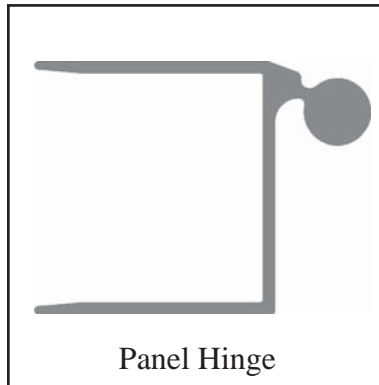
<u>Fasteners</u>	<u>Description</u>
	1-1/2" OD x 1/4" ID White Bonded EPDM Washer
	1/4" Quick Release Pin
	1" OD x 9/32" ID SS Fender Washer
	#10-24 x 1/2" Thumb Screw
	1/4"-20 Aluminum Wing Nut
	#10-24 Aluminum Wing Nut
	1/4"-20 x 2" Hex Aluminum Bolt
	#12 x 1-1/2" Hex Screw
	#12 x 3/4" Self Drilling Screw
	#8 x 1/2" Self Drilling Screw
	#8 x 3/8" SS EPDM Washer

**Note: The Dura-Fold Slide Out Cover is NOT made to travel down the road!
It must be removed for travel.**

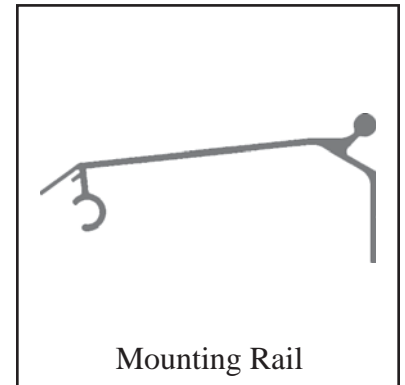
Component Descriptions



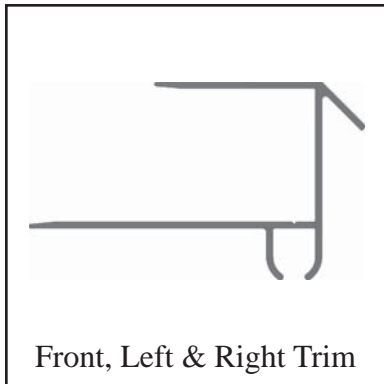
“U” Channel



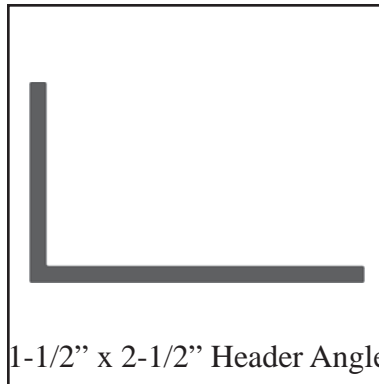
Panel Hinge



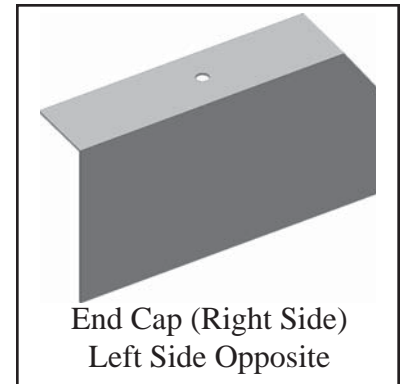
Mounting Rail



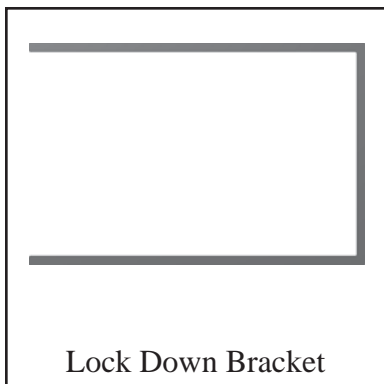
Front, Left & Right Trim



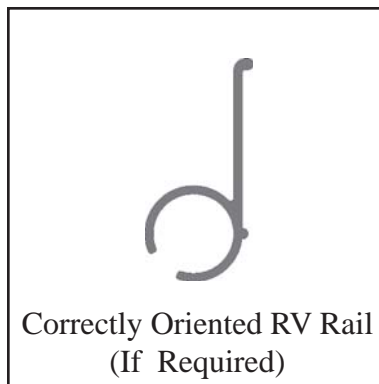
1-1/2" x 2-1/2" Header Angle



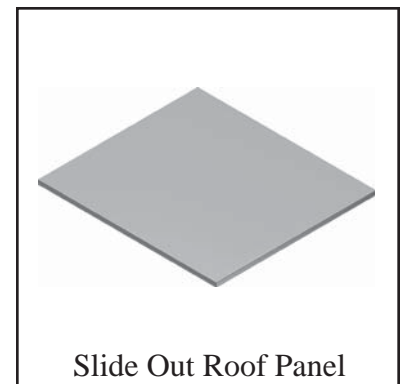
End Cap (Right Side)
Left Side Opposite



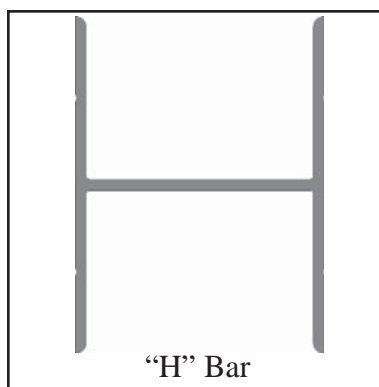
Lock Down Bracket



Correctly Oriented RV Rail
(If Required)



Slide Out Roof Panel



“H” Bar

Important!

Because there is no way to know the configuration of every RV Slide Out it will be necessary for the installer to select the proper fastener for the Header Angle installation to the RV Slide Out.

(Use a minimum #12 fastener)

Tools Needed

Screw Gun Caulk Gun Level 3/16", 7/32" & 1/4" Drill Bits Tape Measure
Lubricant (Furniture Polish) Marking Instrument 1/4", 5/16" & 7/16" Nut Driver Bits with Magnetic Heads

Hardware Provided

Sealer Tape (Peel & Seal)

Caulk

Page 2

Getting Started

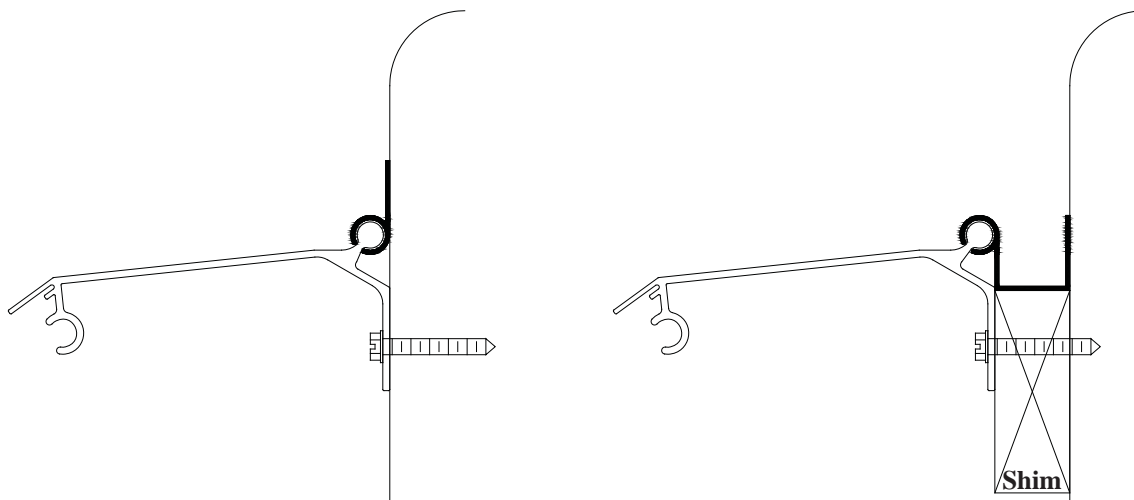
Note: this product is sold in widths of 4' increments and will be assembled in the field from the supplied components.

1. Preparing RV Rail for Mounting Rail.

A. If the RV does not have a factory installed RV Rail or RV Rail is badly damaged, it is necessary to install a new one where you are going to install the Slide Out Cover. Install the RV Rail above the slide out as far as you can. Dura-Bilt supplies RV Rail with every Slide Out Cover that has the correctly oriented opening for the Mounting Rail. Caulk the back side of the RV Rail and install #12 x 1-1/2" Hex Screws in every hole.

B. If the RV has RV Rail make sure the RV Rail is clear of dirt and debris, it may be necessary to loosen the fasteners along the RV Rail; this will allow you to slide the Mounting Rail on easier. Leave fasteners loose until instructed to tighten.

2. References made to the left and right ends of the Slide Out Cover are determined when viewed facing the RV.



3. Because there are various styles of RV Rails it may be necessary to shim the Mounting Rail. See drawings above. Shim material is not provided with the Slide Out Cover. **Caution!** Make sure that when you have completed this step that the Mounting Rail is below horizontal or water will run back to RV wall and cause leaking.

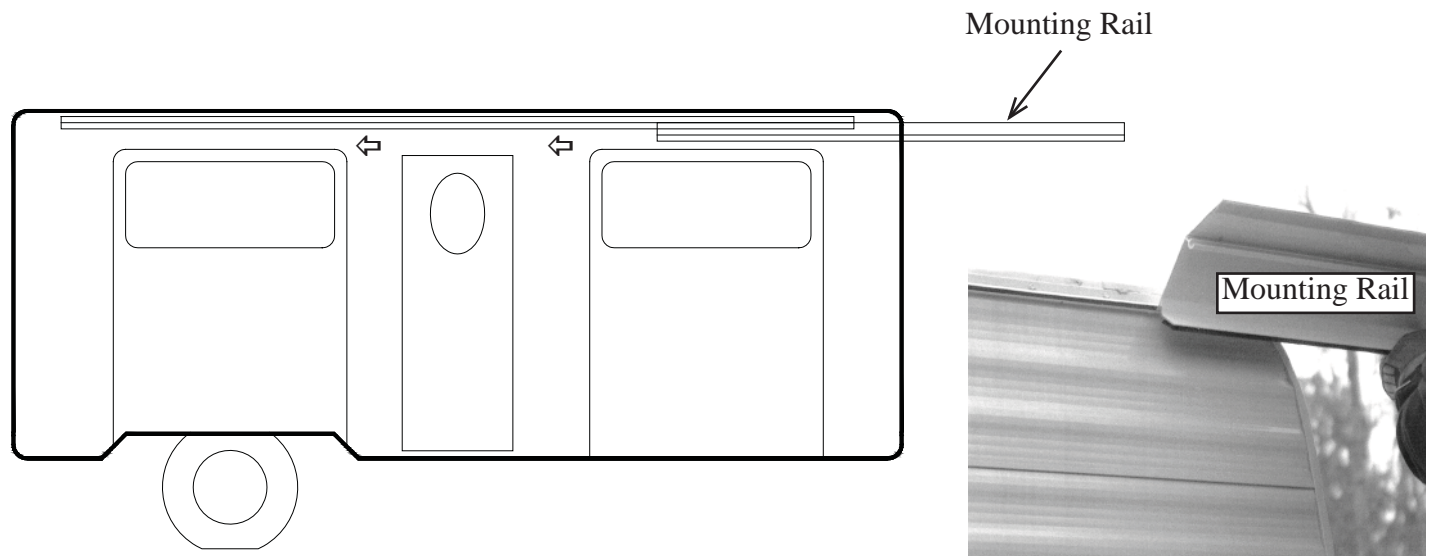
Note: If you must shim the Mounting Rail, you should replace the #12 x 1-1/2" screws provided with new screws of an appropriately longer length.

Mounting Rail Installation

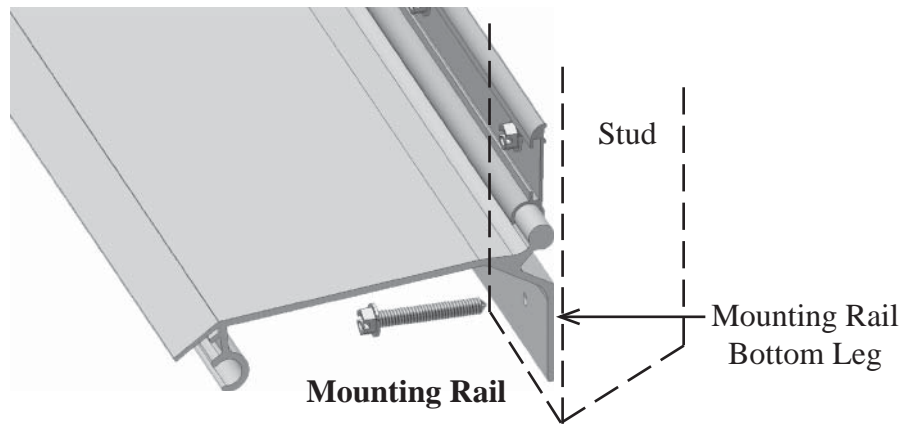
Note: The RV Rail may be slightly shorter than the Mounting Rail.

Note: this product is sold in maximum section widths of 4' and will be assembled in the field from the supplied components. If it's necessary to shorten the Slide Out Cover any or all panels can be cut, and extrusions shortened. Front Trim should be shortened at the joint, not at left or right end, due to factory machining.

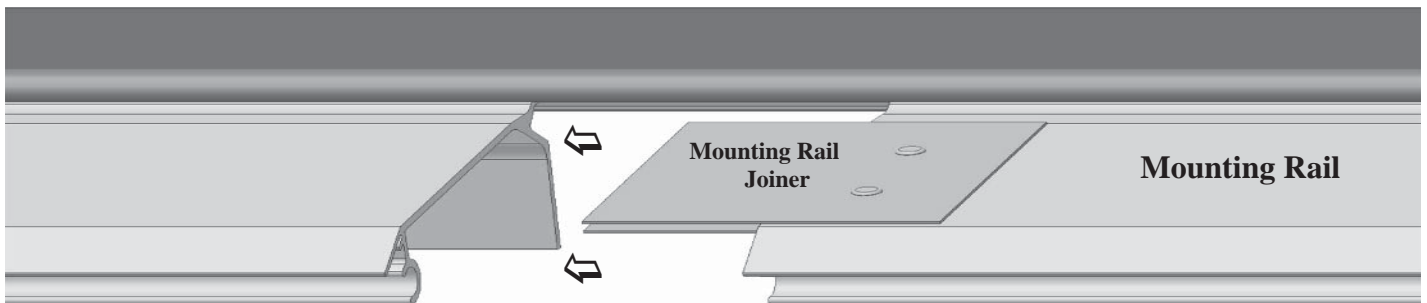
1. Determine where the Slide Out Cover is to be positioned along the RV Rail and mark that location on the RV Rail.
2. Before sliding the Mounting Rail into the RV rail, spray the RV rail cavity with a lubricant such as furniture polish.
3. Slide the Left End Mounting Rail section into the RV Rail until it reaches the mark made previously.
4. Mark the locations of all RV studs or solid support (normally 16" on center) on the bottom leg of the Mounting Rail. Drill 7/32" holes through the Mounting Rail at the locations you marked.
5. Apply caulk to the back side of the Mounting Rail bottom leg before attaching with screws.



6. Attach Mounting Rail to the RV with a #12 x 1-1/2" Hex Screw to keep the Mounting Rail from moving when the Panel Hinge is installed.
7. Using the same procedure, install any remaining sections of Mounting Rail.
8. Install the #12 x 1-1/2" Hex Screws in the remaining holes that you previously drilled.



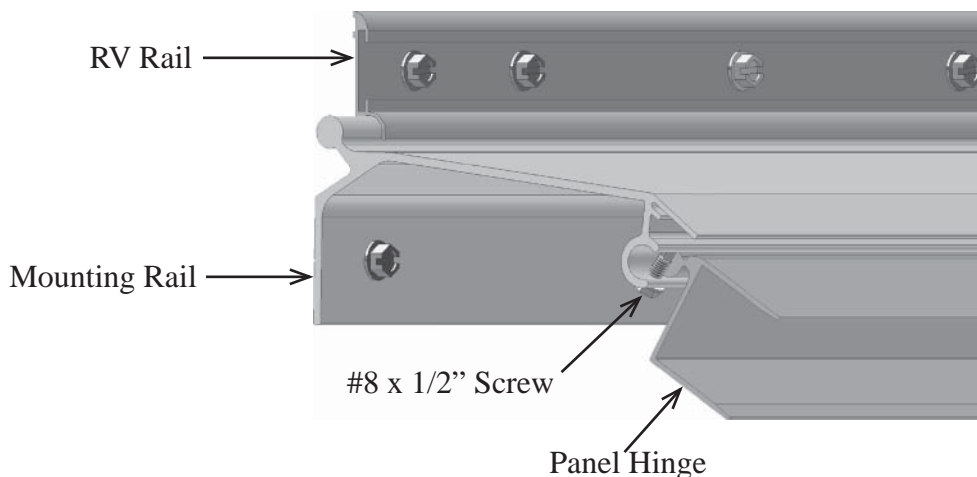
9. If you loosened any fasteners in the RV Rail, tighten them now. First, apply a generous bead of caulking in the cavity between the RV Rail and the side wall of the RV. Also caulk full length of top of the joint of Dura-Fold Mounting Rail and the RV Rail.



Note: If you are installing more than one section of Mounting Rail, as you slide each Mounting Rail section into position, make sure legs of the Mounting Rail Joiner straddle the rail already in place.

Panel Hinge Installation

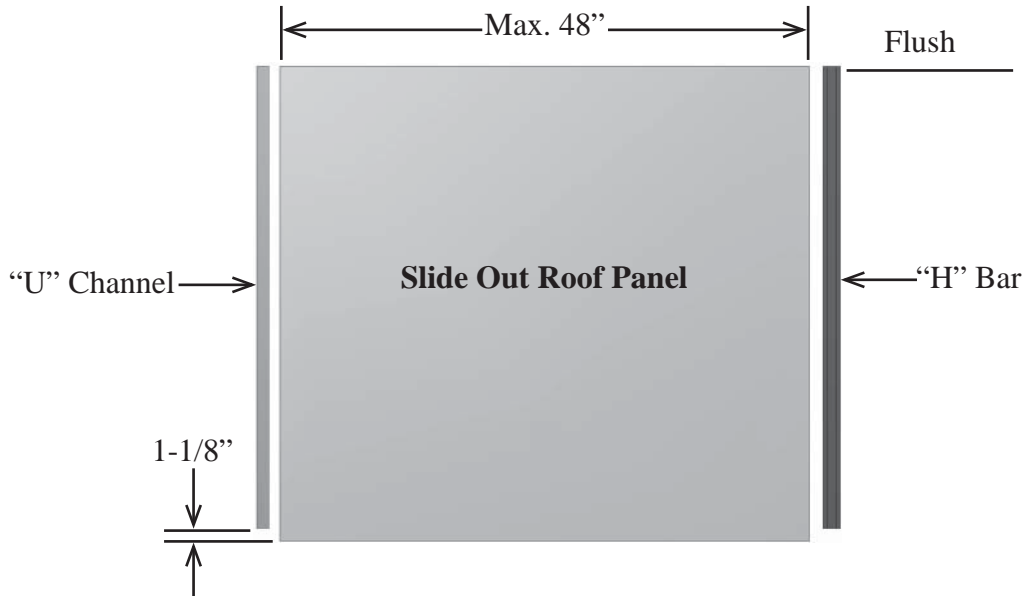
1. Before sliding the Panel Hinge into the Mounting Rail, spray the Mounting Rail cavity with a lubricant such as furniture polish.
2. The Mounting Rail is an inch longer than the Panel Hinge. Install a #8 x 1/2" screw thru the left end of the Mounting Rail so the Panel Hinge will stop a 1/2" from the end.
3. Slide your Panel Hinge section(s) into the Mounting Rail, starting on the right and sliding to the left to the stop. When all sections are installed, Install a #8 x 1/2" screw thru the right end of the Mounting Rail so the Panel Hinge will stop a 1/2" from the end.



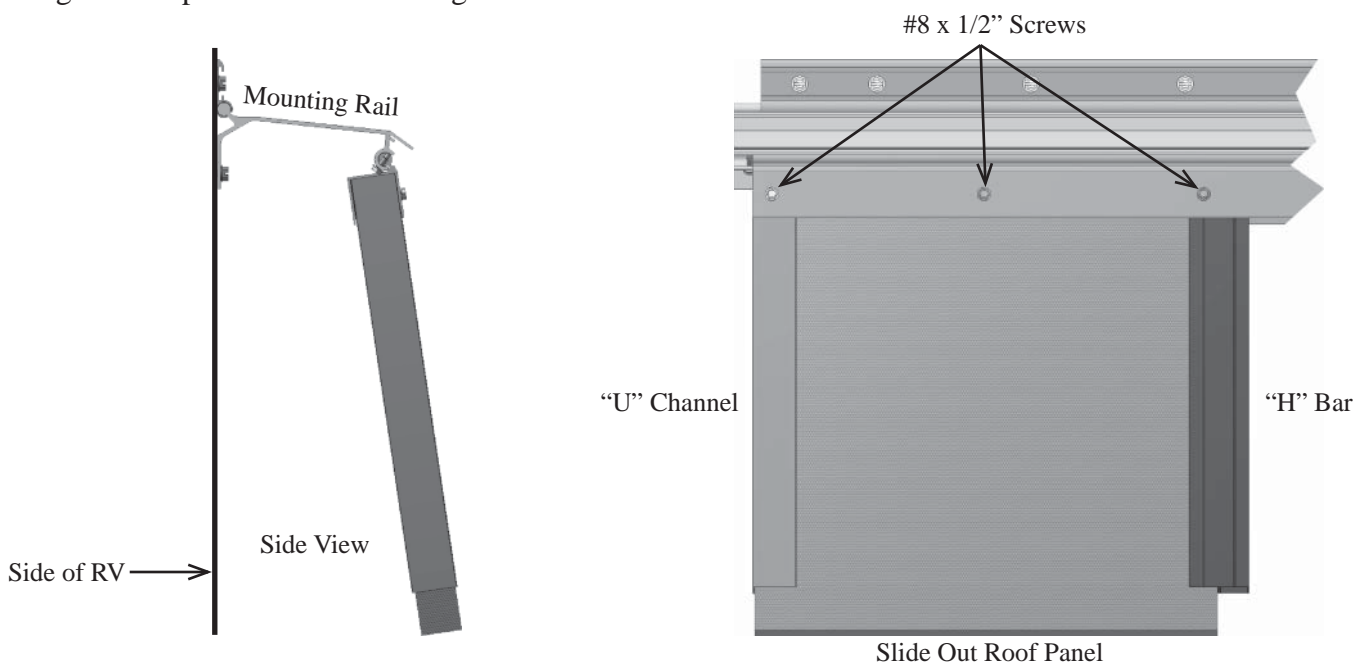
Panel and Extrusion Assembly

1. Start by sub-assembling the left panel on the ground.
2. Install a “U” Channel on the left side of the Panel and an “H” Bar on the right side of the Panel. Make sure the assembly is together tight.

Note: The “U” Channel and “H” Bar are shorter than the Slide Out Roof Panel. The flush side fits into the Panel Hinge. Maximum panel section width is 48”, the projection is based on the RV Slide Out.



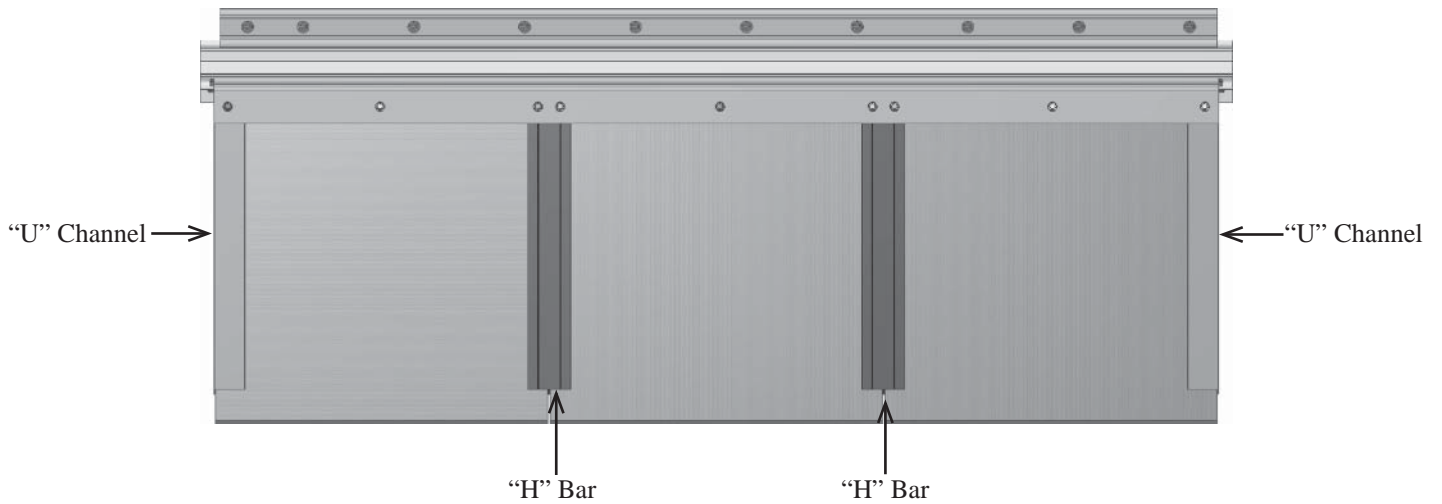
3. Starting at the left, insert the subassembly into the Panel Hinge. Make sure the subassembly is fully inserted into the Panel Hinge and flush with the left side.
4. Install three (3) #8 x 1/2” screws thru the Panel Hinge. One thru the Panel Hinge and into the “U” Channel on the left side. One in the center of the panel thru the Panel Hinge and into the Panel. One thru the Panel Hinge lined up with the left screw groove in the “H” Bar.



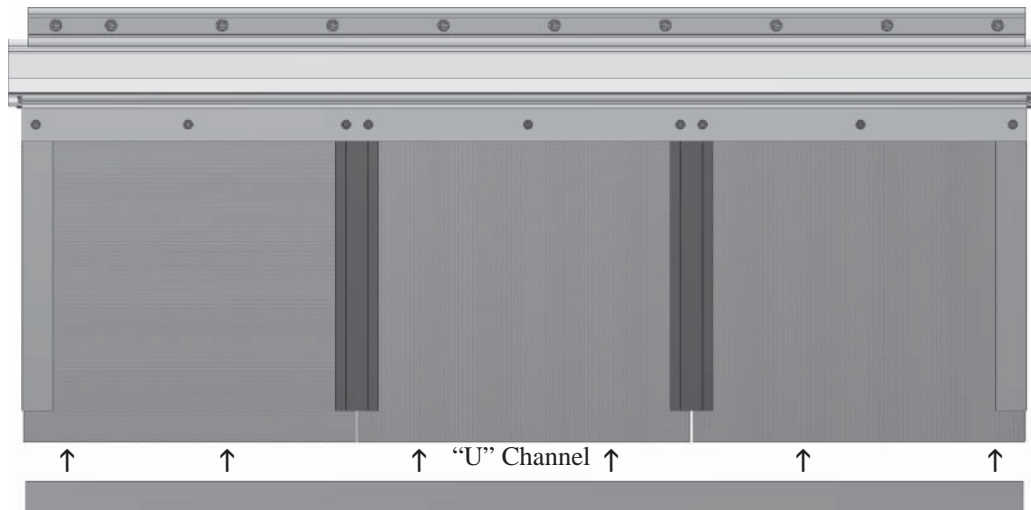
Continued on next page.

Panel and Extrusion Assembly

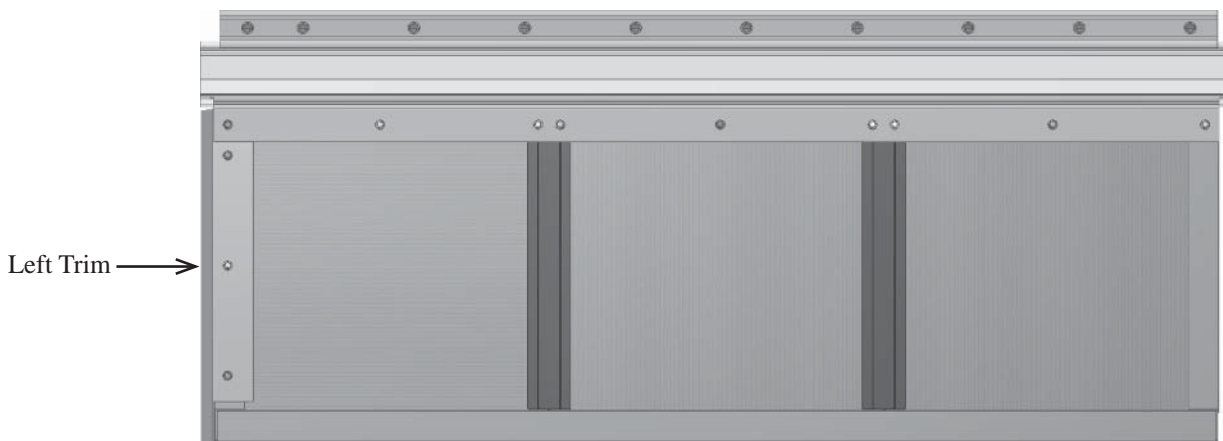
5. Install the next panel, making sure it is tightly together before installing the next three (3) #8 x 1/2" screws as you did in step 4 on the previous page. Install the rest of the panels in the same maner and install a "U" Channel over the right side of the last panel, then install the next three (3) #8 x 1/2" screws.



6. Install "U" Channel over the front of all Slide Out Roof Panels. (Do not use any fasteners at this time)

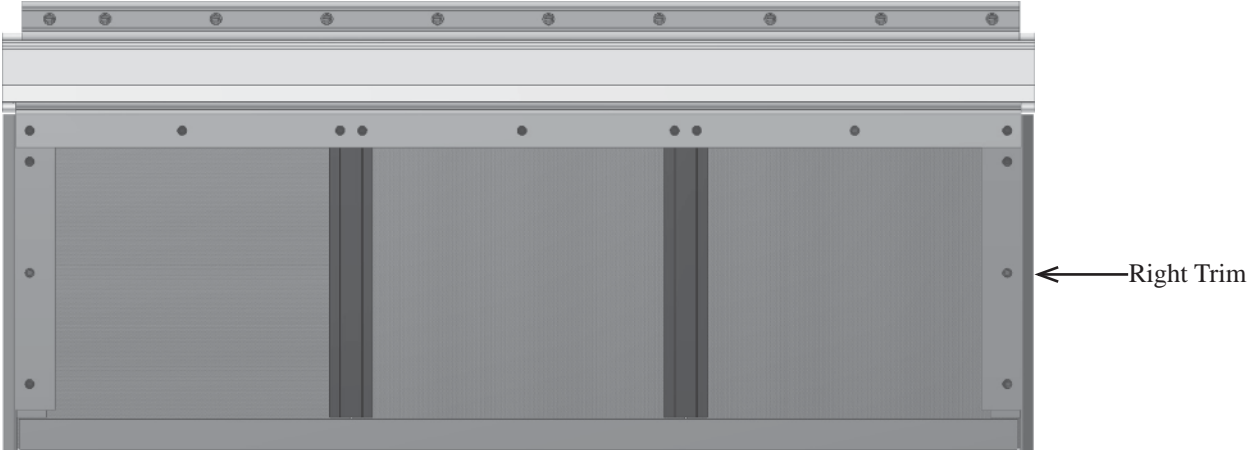


7. Install Left Trim using three (3) #8 x 1/2" screws. (Make sure the screws go thru the Trim, "U" Channel and Slide Out Roof Panel)



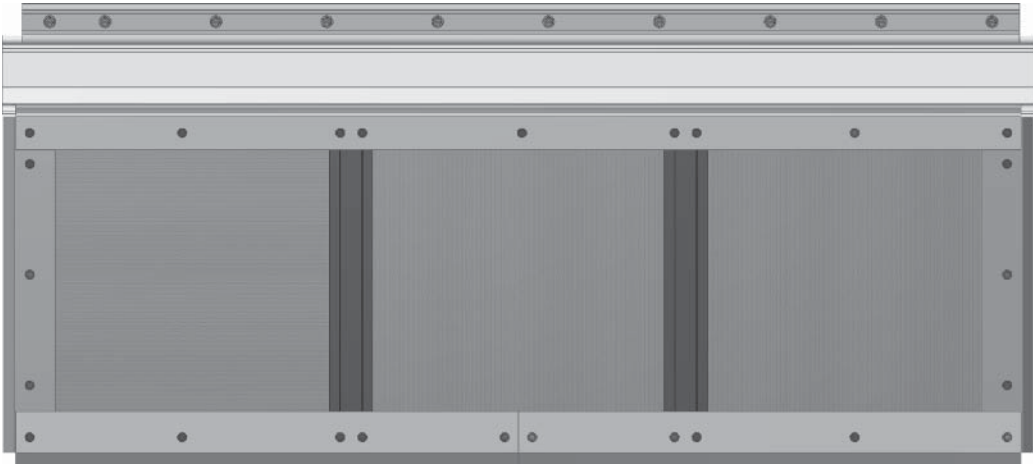
Panel and Extrusion Assembly

8. Install Right Trim using three (3) #8 x 1/2" screws.

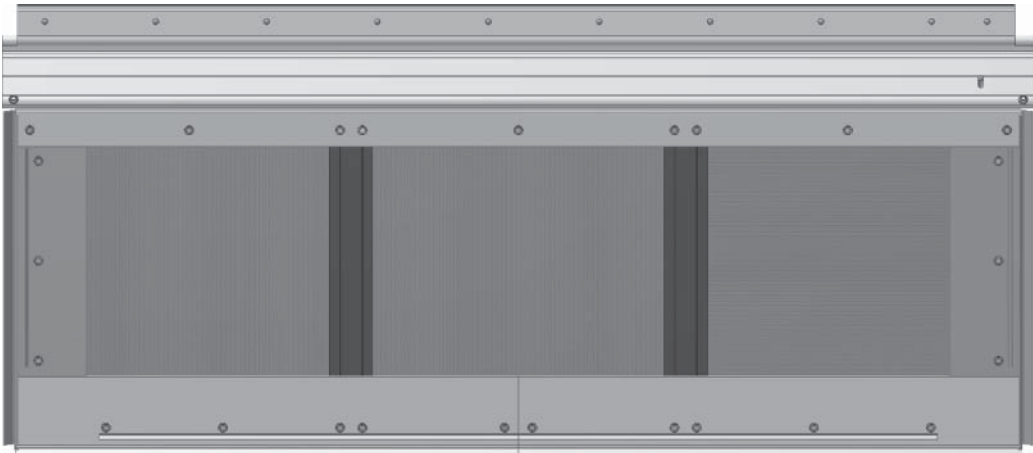


9. Install the Left & Right Front Trims using #8 x 1/2" screws in the pattern shown in illustration below.

Top view of Slide Out Cover



10. Hold the Slide Out Cover up and install #8 x 1/2" screws in the pattern as shown in illustration below.

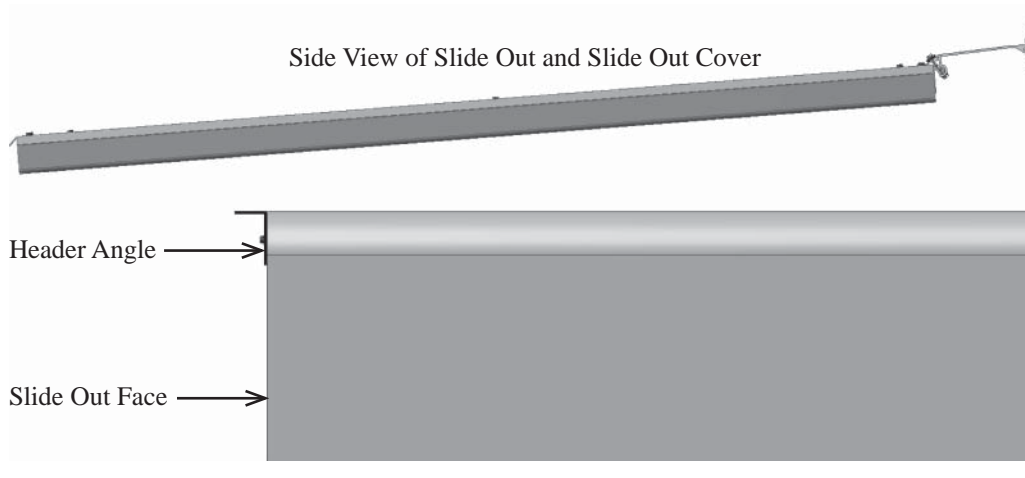


Bottom view of Slide Out Cover

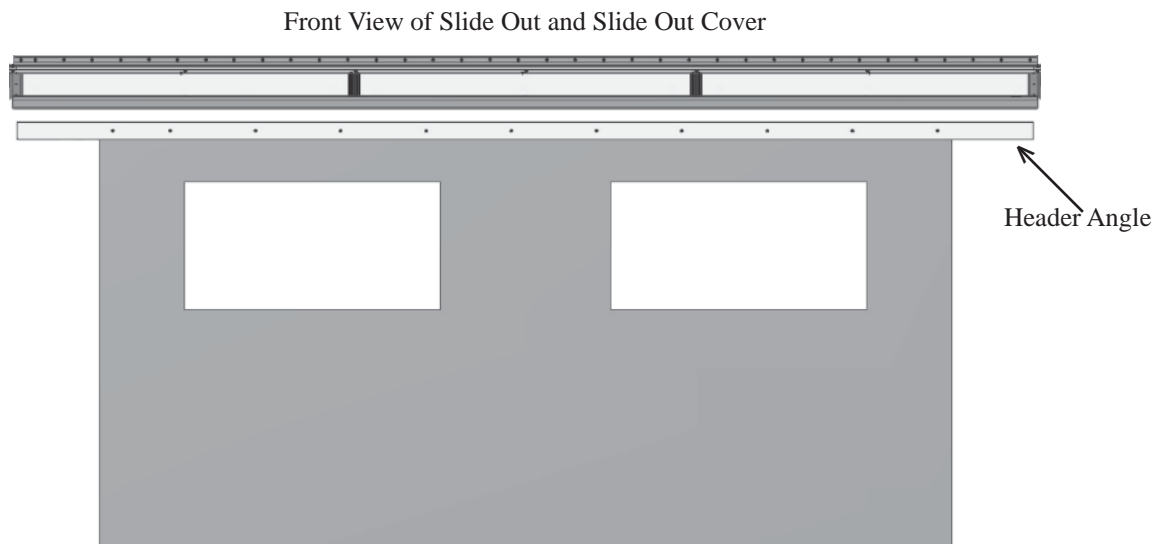
Installation of the 1-1/2" x 2-1/2" Header Angle

1. Hold the Slide Out Cover up and extend the RV Slide Out. Locate and mark where the Header Angle is to be attached to the face of the RV Slide Out. The Header Angle should be flush with the top of the Slide Out and fit between the two (2) Valance legs of the Slide Out Cover.

2. Because there is no way to know the configuration of every RV Slide Out it will be necessary for the installer to select the proper fastener for the Header Angle installation to the RV Slide Out. (Use a minimum #12 fastener)



3. Pre-Drill the Header Angle and install the fasteners in an appropriate amount from each edge and then every 12" as shown in the Front View illustration below.



Attachment of Slide Out Cover to Header Angle

1. Lower the Slide Out Cover down to the Header Angle and determine the location of the 1/4"-20 x 2" aluminum hex head bolts and 1-1/2" dia. washers.

2. Use a chalk line to mark the horizontal location of the bolts.

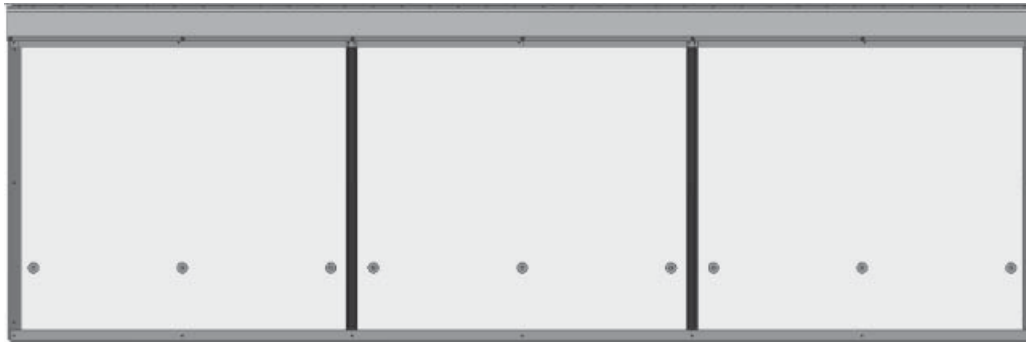
3. Mark the vertical location of three (3) bolts per panel for attachment thru the Header Angle. Use a 1/4" drill bit and drill your first hole and install the bolt with 1-1/2" washer thru the Slide Out Cover and Header Angle.

4. Install 1" Fender Washer and 1/4"-20 Wing Nut to keep the Slide Out Cover from moving.

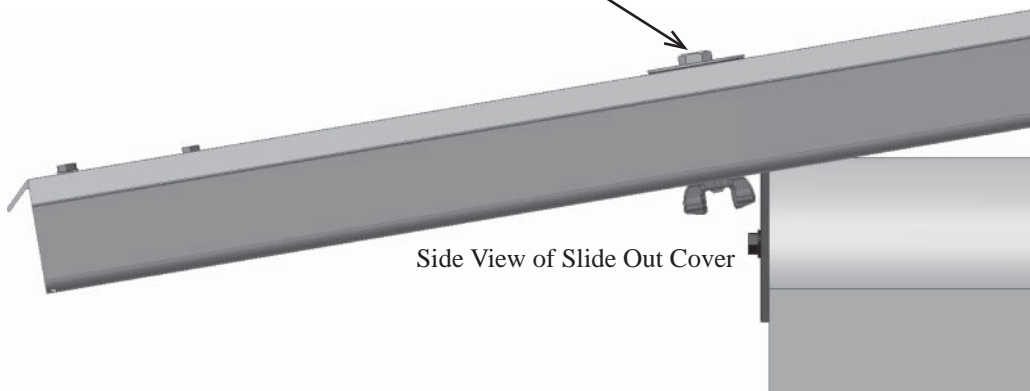
5. Drill for and install the remaining fasteners as per illustration(s) on next page.

Attachment of Slide Out Cover to Header Angle (continued)

Top View of Slide Out Cover



Caulk Around 1/4" Hex Bolt



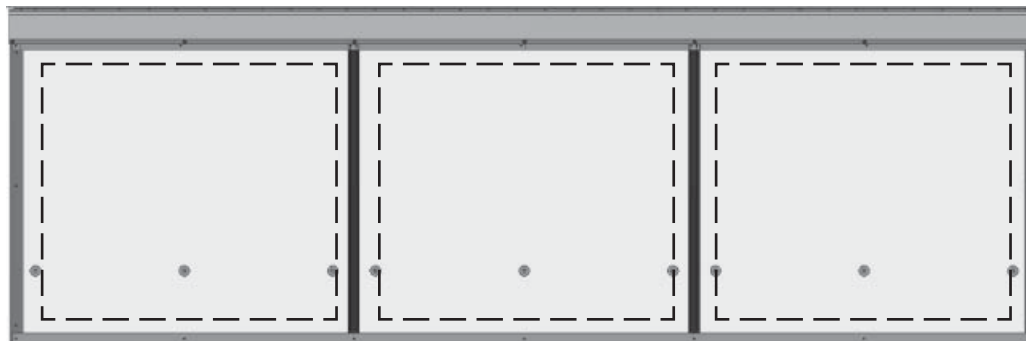
Side View of Slide Out Cover

Sealing all Seams

You are supplied with Sealer Tape (Peel & Seal) to cover the seams in the Mounting Rail, Panel Hinge and Front Trim. Measure and cut the lengths needed, remove film covering the black, sticky surface and apply over all seams. Make sure that Sealer Tape (Peel & Seal) adheres to all surfaces.

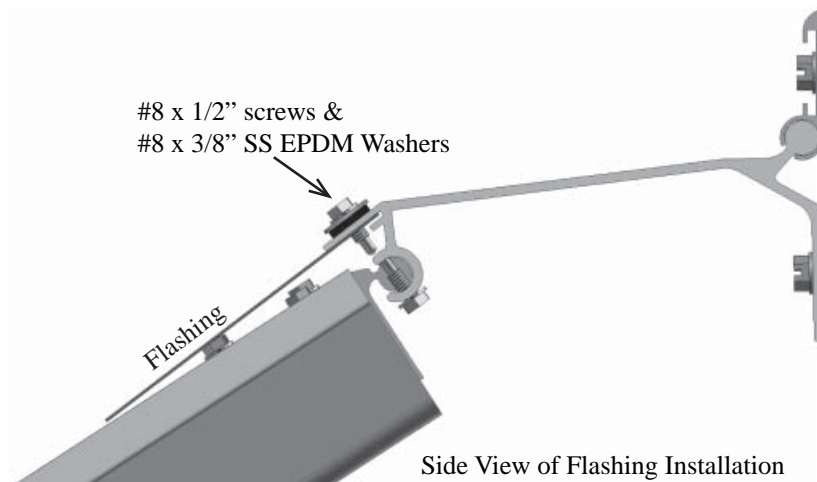
Caulking Slide Out Cover

Caulk all seams on top of the Slide Out Cover as shown by the dotted lines in the illustration below.



Install Flashing

You will receive a strip or strips of Flashing (depending on the length of your Slide Out Cover) that are to be inserted into the flashing recess on the Mounting Rail. The Flashing comes in 10' lengths. They are overlapped by a minimum of 1". #8 x 1/2" screws with #8 x 3/8" SS EPDM Washers are used to attach Flashing to the Mounting Rail. Depending on the pitch of the Slide Out Cover you may not be able to use the flashing, so just caulk.



Off Season Storage

The Dura-Fold Slide Out Cover can be folded down as a complete unit.

Important: Remove all wing nuts and fender washers and raise the Slide Out Cover away from the Header Angle. The Header Angle may remain attached to the RV Slide Out permanently. Retract the RV Slide Out into RV and lower Slide Out Cover. Replace the washers and wing nuts on the Slide Out Cover bolts for storage.

Note: You will receive four (4) Lock Down Brackets with your order. Two (2) required for each side.

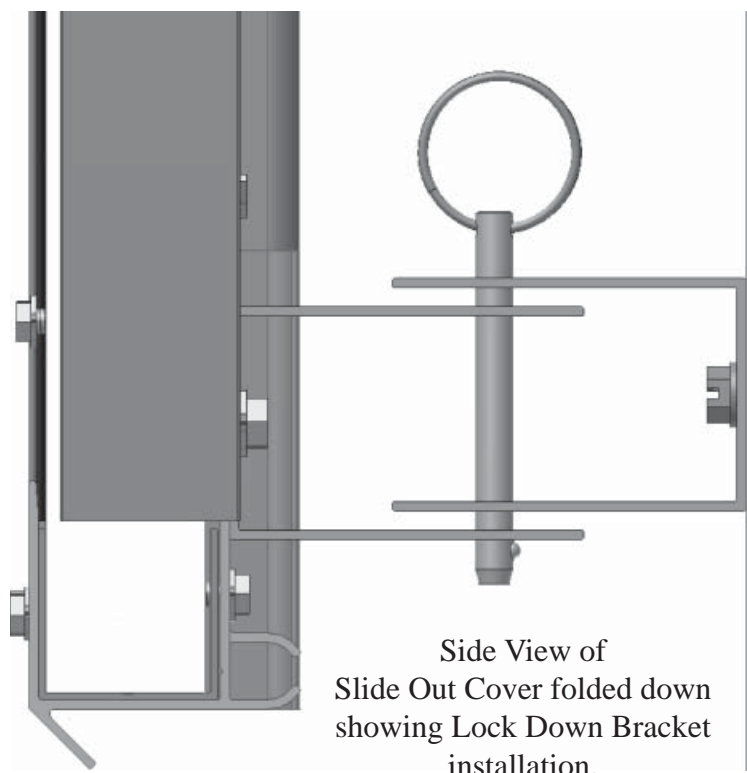
1. Locate a substantial framing member on the RV to attach the Lock Down Bracket. The Lock Down Bracket that is attached to the Front Trim must line up with the Lock Down Bracket that is attached to the RV.
2. Attach Lock Down Bracket to the RV with two (2) #12 x 1-1/2" screws.
3. Attach Lock Down Bracket to the Front Trim of the Slide Out Cover with two (2) #12 x 3/4" screws.
4. After the two (2) brackets are installed; use a 1/4" drill bit to drill thru all four (4) legs and install the 1/4" Quick release Pin. See illustrations on next page.

Note: The Dura-Fold Slide Out Cover is NOT made to travel down the road! It must be removed for travel.

Note: If you are going to leave your Slide Out Cover up through the winter, you should consider placing support under the RV Slide Out.

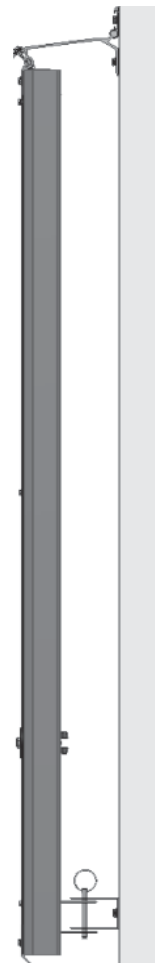
Off Season Storage (continued)

Note: the views of the Lock Down Bracket below are shown for clarity but for ease of assembly rotate 90 degrees.



Side View of
Slide Out Cover folded down
showing Lock Down Bracket
installation.

Side View of
Slide Out Cover folded down.

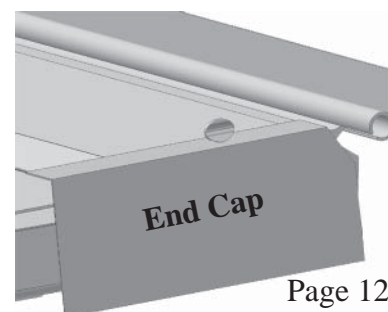


Install Valance Trim

1. You may start the Trim Valance at either front corner.
 2. Feed the vinyl bead edge of the Trim Valance along the Valance Track of the Front Support until you reach the other corner. Adjust Valance so that you have an equal amount of Valance remaining at each corner.
- Hint:** The Valance will slide more easily if one person pulls the leading end of the Valance along the Track while another feeds it into the Track.
3. Feed the Valance Bead along the Valance Track on both Side Trims to the wall of the RV.
 4. Trim the end of the valance so it will butt against the RV wall. You should use a “hot knife” or heat the cut end so the material won’t fray.

Install Mounting Rail End Caps

Attach End Caps to both ends of Mounting Rail with 1/2” Thumb Screw and Wing Nut. You will need a 3/16” drill bit to pre-drill hole.



Notes

Notes

DURA-BILT PRODUCTS, INC.

Five Year Limited Warranty

Dura-Bilt Products, Inc. warrants its manufactured products to the original purchaser to be free from defects in materials or workmanship under the terms and conditions set forth herein. All other components and parts carry their own manufacturers warranties.

Within the warranty period, to be confirmed with copy dated bill of sale, Dura-Bilt Products, Inc. will, at its sole option, repair or replace any components which the owner has proven to have failed in normal use. Such repairs or replacement will be made, at no charge for parts, to the original purchaser. Provided, however, that the original purchaser shall be responsible for any transportation or freight costs. Replacement of materials does not extend original warranty period. This warranty does not include the cost of labor for installation of parts.

Continuing product developments require that Dura-Bilt Products, Inc. retain the right to substitute replacement parts or components of equal quality, if necessary. Normal aging and weathering of materials may result in not being able to perfectly match the original colors.

This limited warranty does not cover failures due to weather, acts of God, abuse, misuse, improper installation, accident, alteration or repair. Dura-Bilt Products, Inc. assumes no responsibility for special, incidental, punitive or consequential damages or loss of use.

THIS LIMITED WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES AND REMEDIES EXPRESS OR IMPLIED, INCLUDING ANY LIABILITY ARISING UNDER THE WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, STATUTORY OR OTHERWISE. THIS WARRANTY GIVES YOU SPECIFICALLY THESE RIGHTS WHICH MAY VARY BY STATE.

This warranty covers products manufactured by Dura-Bilt after 9/1/95.

To obtain warranty service, call the Dura-Bilt Products Customer Service Department at 1-570-596-2000 or write to P.O. Box 188, Wellsburg, NY 14894-0188. Retain this Warranty for your records.