

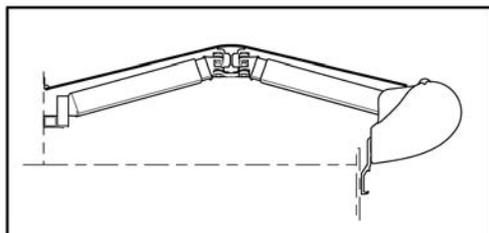


INSTALLATION MANUAL

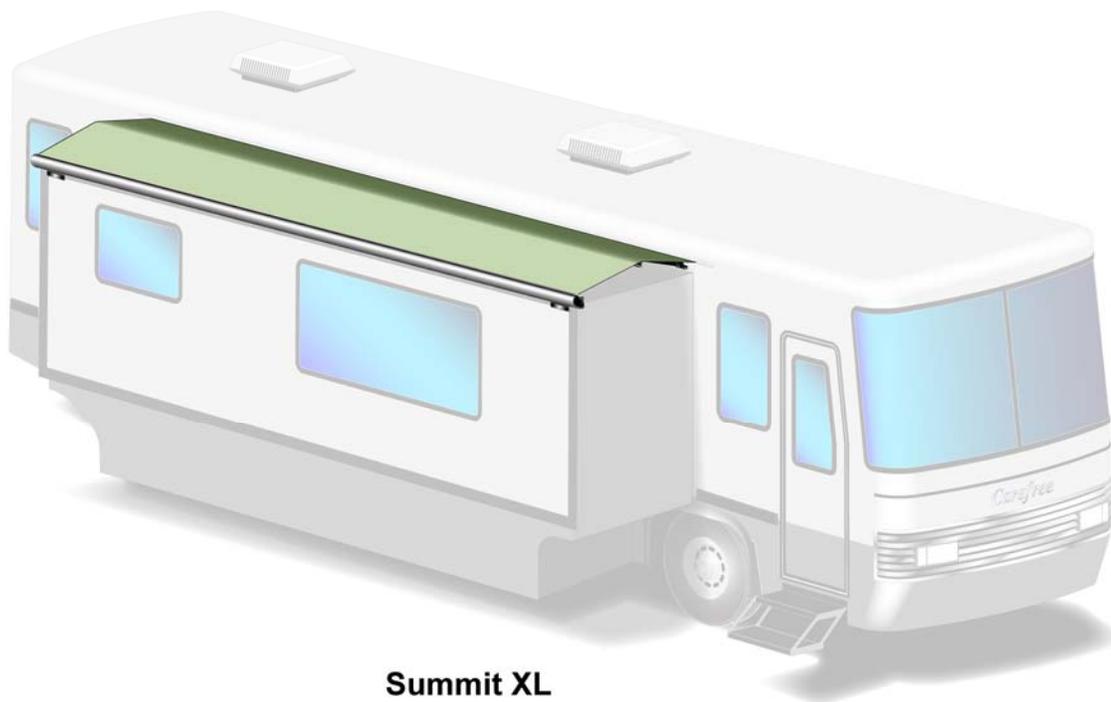
SUMMIT AND SUMMIT XL

SLIDE-OUT COVER WITH PEAKED CONTOUR

RV



Summit



Summit XL

INSTALLER'S NOTE: WHEN COMPLETED WITH THE INSTALLATION, CUT OFF THE LAST SHEET OF THIS MANUAL AND PLACE WITH THE COACH OWNER INFORMATION.

PROPRIETARY STATEMENT

The Summit Slide-Out cover is a product of Carefree of Colorado, located in Broomfield, Colorado, USA. The information contained in or disclosed in this document is considered proprietary to Carefree of Colorado. Every effort has been made to ensure that the information presented in the document is accurate and complete. However, Carefree of Colorado assumes no liability for errors or for any damages that result from the use of this document.

The information contained in this manual pertains to the current configuration of the models listed on the title page. Earlier model configurations may differ from the information given. Carefree of Colorado reserves the right to cancel, change, alter or add any parts and assemblies, described in this manual, without prior notice.

Carefree of Colorado agrees to allow the reproduction of this document for use with Carefree of Colorado products only. Any other reproduction or translation of this document in whole or part is strictly prohibited without prior written approval from Carefree of Colorado.

SAFETY INFORMATION

WARNING

A WARNING INDICATES A POTENTIALLY HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, COULD RESULT IN DEATH OR SERIOUS INJURY AND/OR MAJOR PROPERTY DAMAGE.

CAUTION

A CAUTION INDICATES A POTENTIALLY HAZARDOUS SITUATION THAT MAY CAUSE MINOR TO MODERATE PERSONAL INJURY AND/OR PROPERTY DAMAGE. IT MAY ALSO BE USED TO ALERT AGAINST UNSAFE PRACTICES.

NOTE: A note indicates further information about a product, part, or step.

Tip: A tip provides helpful suggestions.

Safety Notes:

- Always disconnect battery or power source before working on or around the electrical system.
- Always wear appropriate safety equipment (i.e. goggles).
- Always use appropriate lifting devices and/or helpers when lifting or holding heavy objects.
- When using fasteners, use care to not over tighten. Soft materials such as fiberglass and aluminum can be "stripped out" and lose the ability to grip.

Reference Publications located @ www.carefreeofcolorado.com:

052520-001 Summit Installation Manual

052520-301 SOKIII & Summit Service Manual

TABLE OF CONTENTS

- Summit Application Criteria 2**
- Installation - Basic Summit..... 3**
 - Component Checklist.....3
 - Pre-Installation Layout.....4
 - Setting the Deflector Mounting Brackets5
 - Mounting the Deflector Assembly5
 - Installing an awning rail (if required):6
 - Setting the Lift Arm Mounting Brackets6
 - Mounting the Lift Bar Assembly8
 - Installing the Roll Bar Assembly9
 - Attaching the Front Cover.....10
 - Cover Bumpers10
- Installation - Summit XL..... 11**
 - Component Checklist.....11
 - Pre-Installation Layout.....12
 - Setting the Deflector Mounting Brackets w/ Lift Bar13
 - Mounting the Deflector Assembly14
 - Setting the Lift Arm Mounting Brackets15
 - Mounting the Lift Bar Assembly16
 - Installing the Roll Bar Assembly17
 - Attaching the Optional Front Cover18
 - Cover Bumpers19
- Owner Information A**
 - Maintenance A
 - Fabric Care A
 - Mildew A
 - Carefree Major Product Limited Warranty B

SUMMIT APPLICATION CRITERIA

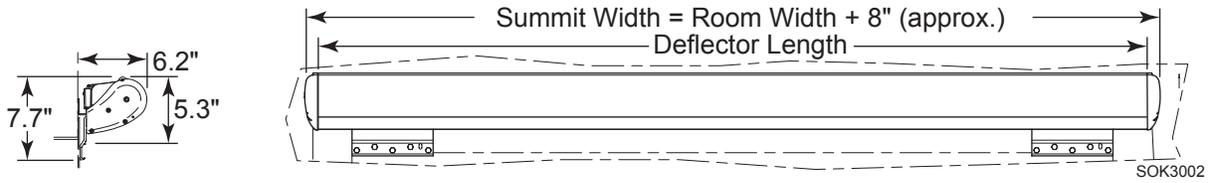


Figure 1. Summit General Dimensions.

AVAILABLE ROOM WIDTHS: **BASIC** 42" - 191" AVAILABLE EXTENSIONS: 12" - 42"
XL 192" - 390"

AVAILABLE LIFT ARM APPLICATIONS (ROOM WIDTH VS ROOM EXTENSION)

		ROOM WIDTH																											
		42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67-390		
ROOM EXTENSION	12																												
	13																												
	14																												
	15																												
	16																												
	17																												
	18																												
	19																												
	20																												
	21																												
	22																												
	23																												
	24																												
	25																												
	26																												
	27																												
	28																												
	29																												
	30																												
	31																												
	32																												
33																													
34																													
35																													
36																													
37																													
38																													
39																													
40																													
41																													
42																													

Lift Bar Option Not Available For These Combinations

RESTRICTIONS: The Lift Bar Option is not suitable under any of the following conditions.

- Flat Drop Rooms and rooms where the room face drops more than the ranges given below

ROOM EXTENSION	12"-19"	20"-25"	26"-31"	32"-37"	38"-42"
ALLOWABLE DROP	.5"	.75"	1"	1.25"	1.5"

The value is determined by measuring the height of the flange when the room is closed then opening the room completely and measuring the height of the flange again. If the difference exceeds the ranges above, the lift bar option is not suitable.

- Rooms with an awning mounted over the top of the slide-out room.
- Rooms with an awning mounted on the face of the room where the top of the roll bar is less than 1/2" below the roof line of the room when the room is closed.
- Recessed rooms. The lift bars store between the coach wall and the awning; when the room is closed there is not enough clearance for the lift bar assembly.
- Additional layout requirements may restrict installations. Refer to the "Pre-Installation Layout" on page 4 for the Basic Summit. Refer to the "Pre-Installation Layout" on page 12 for the Summit XL.

INSTALLATION - BASIC SUMMIT

COMPONENT CHECKLIST

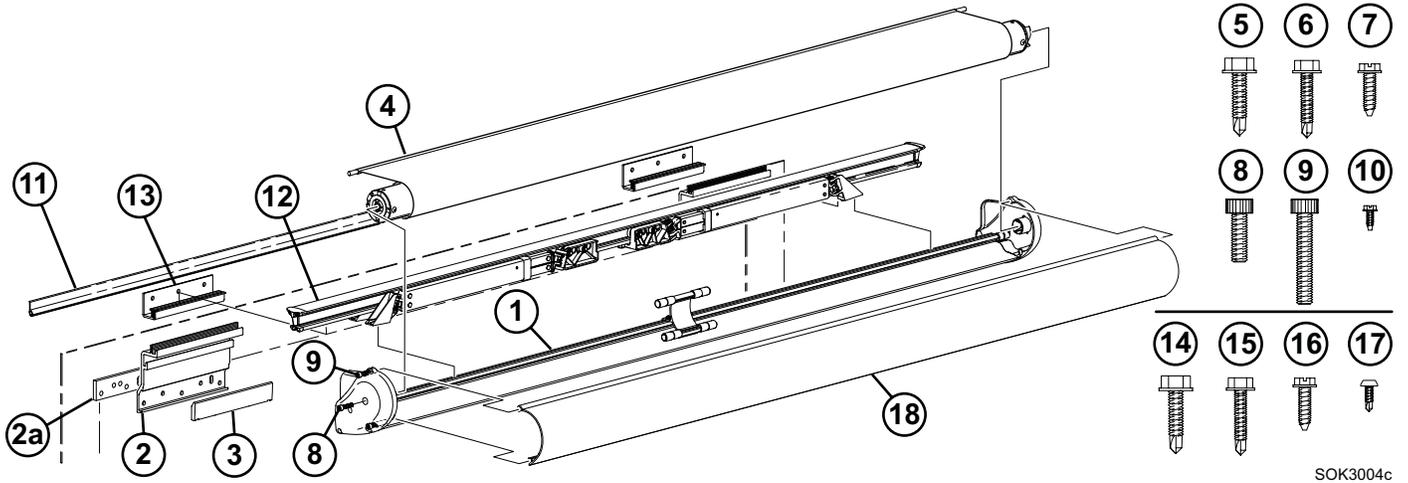


Figure 2. Component Checklist

<input checked="" type="checkbox"/>	ITEM	DESCRIPTION		QTY	NOTE
<input type="checkbox"/>	1	Deflector Assy		1	
<input type="checkbox"/>	2	Bracket, Deflector Assy		2	
<input type="checkbox"/>	2a	Shim, 1/4", Deflector Bracket		2	4
<input type="checkbox"/>	3	Cover, Bracket, Deflector Assy		2	
<input type="checkbox"/>	4	Roll Bar Assy		1	
<input type="checkbox"/>	5	Screw, Self Drilling, HWH	#12 x 1	10	
<input type="checkbox"/>	6	Screw, Self Drilling, HWH	#10 x 1	4	
<input type="checkbox"/>	7	Screw, HWH, Thread Type A	#10 x 3/4	51	
<input type="checkbox"/>	8	Screw, Socket Head, Roll Bar (this screw shipped installed)	1/4-20 x 3/4	1	
<input type="checkbox"/>	9	Screw, Socket Head, Cover (2 screws are shipped installed)	1/4-20 x 1 1/2	4	
<input type="checkbox"/>	10	Screw, Self Tapping, HWH	#6 x 3/8	2	
<input type="checkbox"/>	11	Awning Rail		1	
<input type="checkbox"/>	12	Lift Bar Assy		1	2
<input type="checkbox"/>	13	Bracket, Lift Bar Assy		2	
<input type="checkbox"/>	14	Screw, Self Drilling, HWH	#12 x 1	6	
<input type="checkbox"/>	15	Screw, Self Drilling, HWH	#10 x 1		
<input type="checkbox"/>	16	Screw, HWH, Thread Type A	#10 x 3/4	12	
<input type="checkbox"/>	17	Screw, Self Tapping, #2 Phillips	#7 x 7/16	4	
<input type="checkbox"/>	18	Front Cover Assy		1	

- NOTES:
1. The Lift Bar and Front Cover Assemblies are optional and specified at time of order.
 2. The lift bar assy is available in three sizes to accommodate various extensions. Short arms are used for 12"-16.9" extensions, Mid-range is used for 17" – 26" extensions, longer arms are used for 26.1"-42".
 3. Bracket Shim (item 2a) is optional and must be specified at time of order.

1. Unpack the shipping cartons and remove the front cover (if installed). The cover is attached by two (2) socket head screws (1 per end cap); back the screws out until the end of the screw clears the edge of the cover. It is not necessary to remove the screws from the end caps.
2. The roll bar assembly is shipped in the deflector assembly. Remove the allen head screw and save, DO NOT DISCARD. Remove the left end of the roll bar then slide the right end out. Remove packing material.

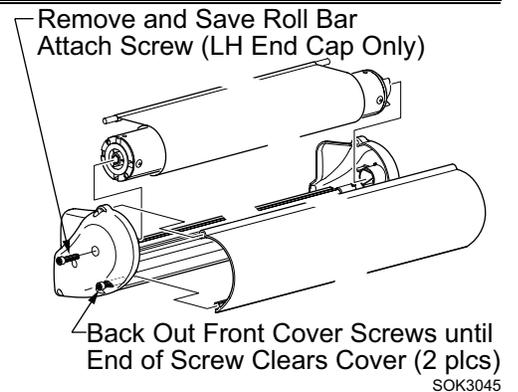


Figure 3. Unpacking the Unit.

PRE-INSTALLATION LAYOUT

Prior to installing a Summit with Lift-Bar, it is necessary to confirm the mounting requirements. If any of the parameters cannot be met, the optional Lift-Bar cannot be mounted correctly. Use a non-permanent method of marking, and mark the locations in this section. These will be used to mount the components.

BRACKET #1 (DEFLECTOR BRACKET)

1. Bracket #1 (deflector bracket) mounts to the face/flange of the room and requires a flat area of 1 1/4" high and 7 1/2" wide. The bottom of the mount area must be a minimum of 1" below the roof line. Adjust the mounting area downward as required and then mark the bottom edge of the mounting area's location. This will be BASELINE A for the remainder of the parameters.

Position check: (The following checks must be matched for the Summit to be installed correctly.)

- Measure from BASELINE A to the top of the flange. The maximum allowable height is 3 7/8".
- Measure the difference between the mounting face and the outermost face of the flange. Maximum allowable depth is 3/8". Refer to the common flange configurations in Figure 4. If the flange thickness exceeds the 3/8" maximum, a 1/4" shim is available. Shim must be specified at time of order.

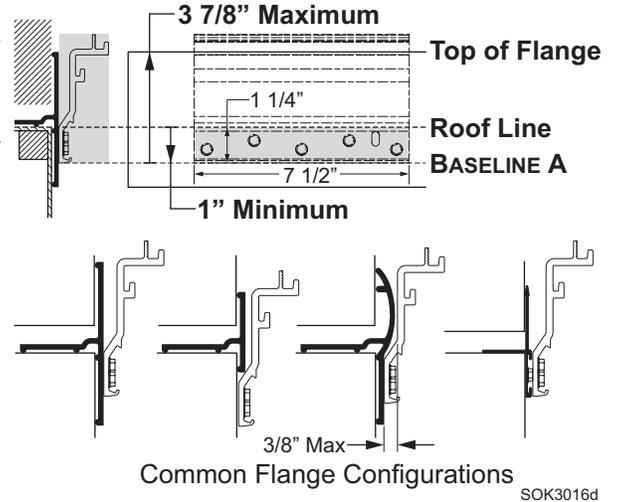


Figure 4. Vertically Positioning the Deflector Bracket.

BRACKET #2 (LIFT ARM BRACKET)

2. Bracket #2 (lift arm bracket) mounts to the coach wall above the slide-out room. The bracket requires a flat mounting area of 1 1/2" high and 6 inches wide. The bottom of the mount area for bracket #2 must be within the minimum and maximum values shown in figure 4 from BASELINE A. Mark the bottom edge of the area. This will be BASELINE B.

Position check: (The following check must be matched for the Summit to be installed correctly.)

- Measure the difference between the coach wall and any objects (i.e. awning rail, gutters, trim etc.) within 2 5/8" of the BASELINE B. The maximum allowable depth is 1/2".

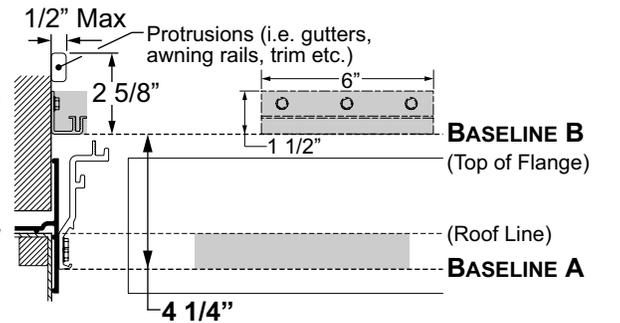


Figure 5. Vertically Positioning the Lift Arm Bracket.

AWNING RAIL POSITION

3. Measure up from BASELINE B. The acceptable range is shown in Figure 6.

- The centerline of the awning rail must fall within the area shown.
- OR**
- The installer must be able to install a new awning rail in the area shown.

Repeat for other side of the cover.

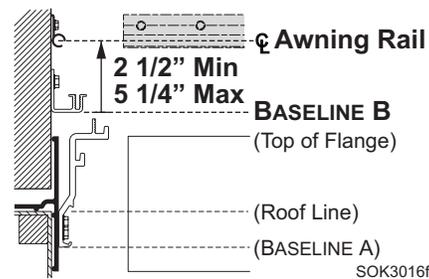


Figure 6. Awning Rail Position.

SETTING THE DEFLECTOR MOUNTING BRACKETS

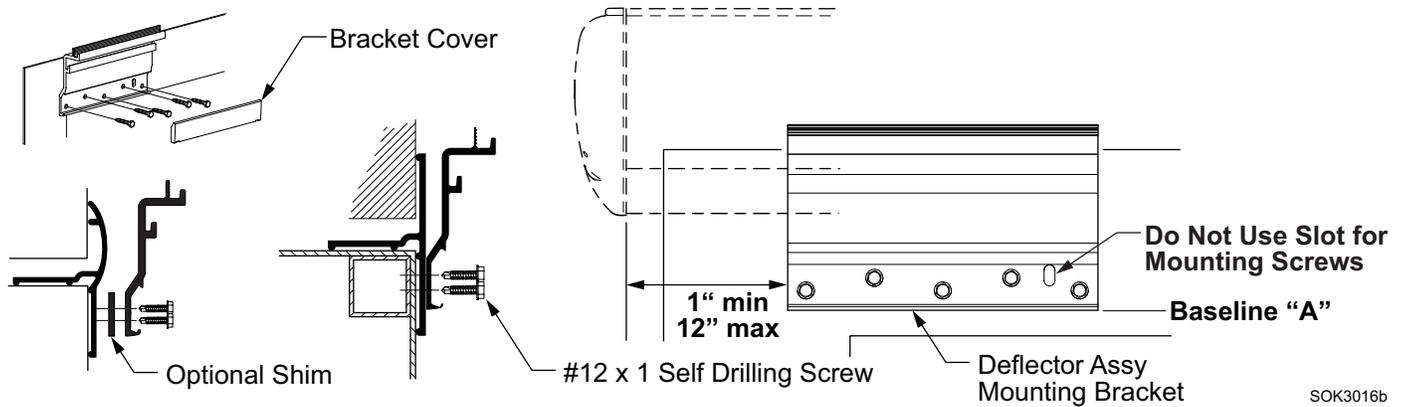


Figure 7. Setting the Deflector Brackets.

1. Position the deflector brackets on the room face using BASELINE A as shown in Figure 7.
2. Attach the brackets.
 - Using a quality silicone sealant, coat the mounting surface of the bracket with particular attention around the mounting holes.
 - Position the bracket and optional shim (if used) and attach using five (5) #12 x 1 self-drilling screws.
3. Snap the bracket cover on to the bracket to cover the screw heads. The tab on the back of the cover goes into the slotted hole of the bracket.

NOTE: If it is necessary to remove the cover after installation, slide a small pin (e.g. paper clip) in the end under the cover. Lift the locking tab and gently pull out the end of the cover. Repeat for other side of the cover.

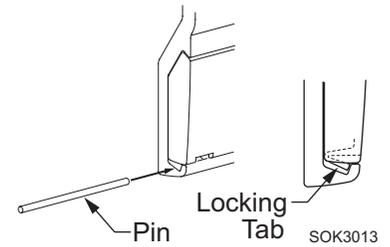


Figure 8. Removing the Cover.

MOUNTING THE DEFLECTOR ASSEMBLY

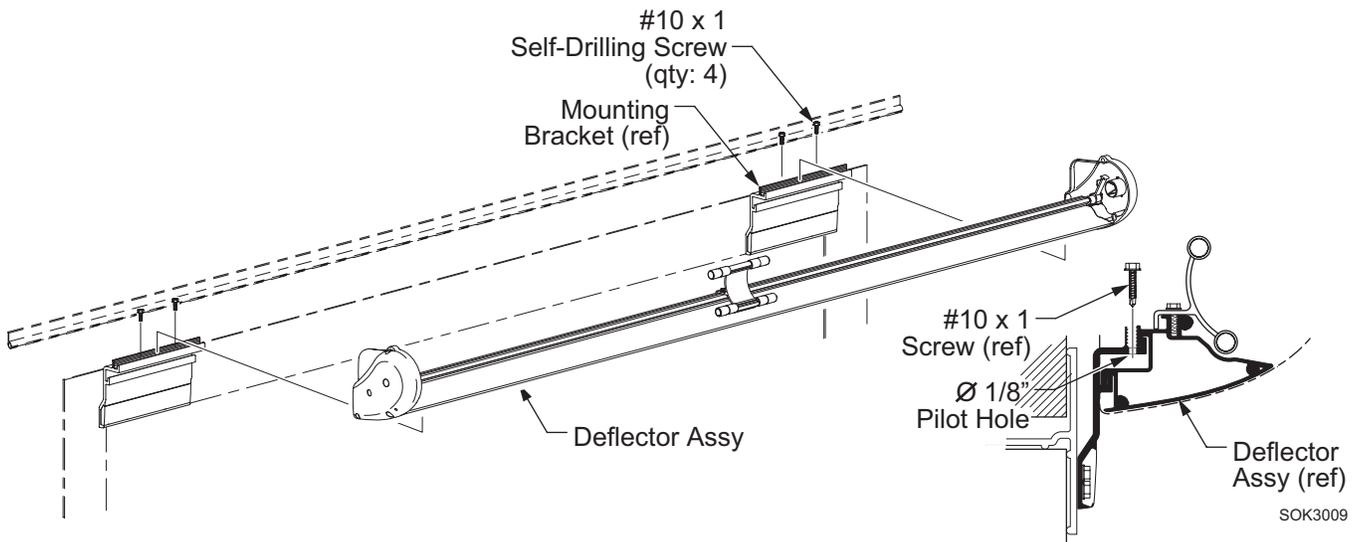


Figure 9. Mounting the Deflector Assembly.

1. Lift the deflector assembly up and onto the mounting brackets. The deflector hooks into the brackets.
2. Horizontally center the assembly over the room.
3. In the screw groove formed between the bracket and deflector, drill a 1/8" pilot hole through the bottom of the bracket in the screw groove. Secure the assembly to the bracket using four (2 per bracket) #10 x 1 self drilling screws. If the deflector moves during drilling, complete the drilling operation then realign the deflector in the brackets.

INSTALLING AN AWNING RAIL (IF REQUIRED):

1. Seal the back of the rail with silicone sealant or putty tape.
2. Align the centerline of the awning rail with the layout marks made previously (refer to page 3). Ensure that the rail is level and is within the area shown.
3. Attach the rail using #10 x 3/4 screws.
4. Use a screwdriver to slightly spread open one end of the awning rail.
5. Spray inside the awning rail track with silicone lubricant.

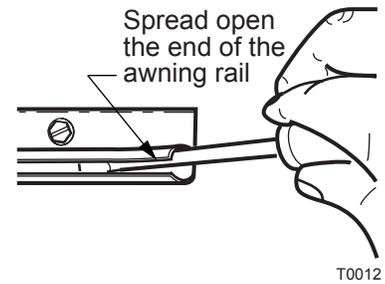


Figure 10. Adjusting the Awning Rail.

SETTING THE LIFT ARM MOUNTING BRACKETS

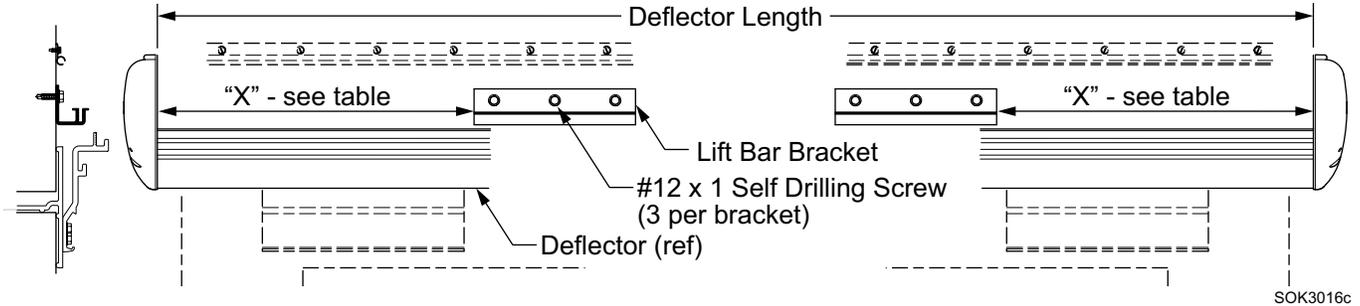


Figure 11. Setting the Lift Arm Brackets.

1. If open, close the room.
2. Using Baseline B and the horizontal dimension (X) from the tables on the next page, position and attach the lift bar brackets using three (3) #12 x 1 self-drilling screws per bracket.

DEFLECTOR LENGTH VS ROOM EXTENSION

		DEFLECTOR LENGTH (42" - 58")																
		42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
ROOM EXTENSION	10	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9
	11	4	4	4	5	5	5	5	6	6	6	7	7	7	8	8	8	9
	12	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	8
	13	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8
	14	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	8	8
	15	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8
	16	3	3	3	4	4	4	5	5	5	6	6	6	6	7	7	7	8
	17	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8
	18	2	2	3	3	4	4	4	4	5	5	5	6	6	6	7	7	7
	19	1	2	2	3	3	4	4	4	5	5	5	6	6	6	7	7	7
	20		1	2	2	3	3	4	4	4	5	5	5	6	6	6	7	7
	21			1	2	2	3	3	4	4	5	5	5	5	6	6	6	7
	22				1	2	2	3	3	4	4	5	5	5	6	6	6	7
	23					1	2	2	3	3	4	4	5	5	5	6	6	6
	24						1	2	2	3	3	4	4	5	5	6	6	6
	25							1	2	2	3	3	4	4	5	5	6	6
	26								1	2	2	3	3	4	4	5	5	5
27									1	2	2	3	3	4	4	4	5	
28											1	2	2	3	3	4	4	
29												1	2	2	3	3	4	
30													1	2	2	3	3	
31														1	2	2	3	
32															1	2	2	
33																1	2	
34																	1	

Lift Bar Option Not Available For These Combinations

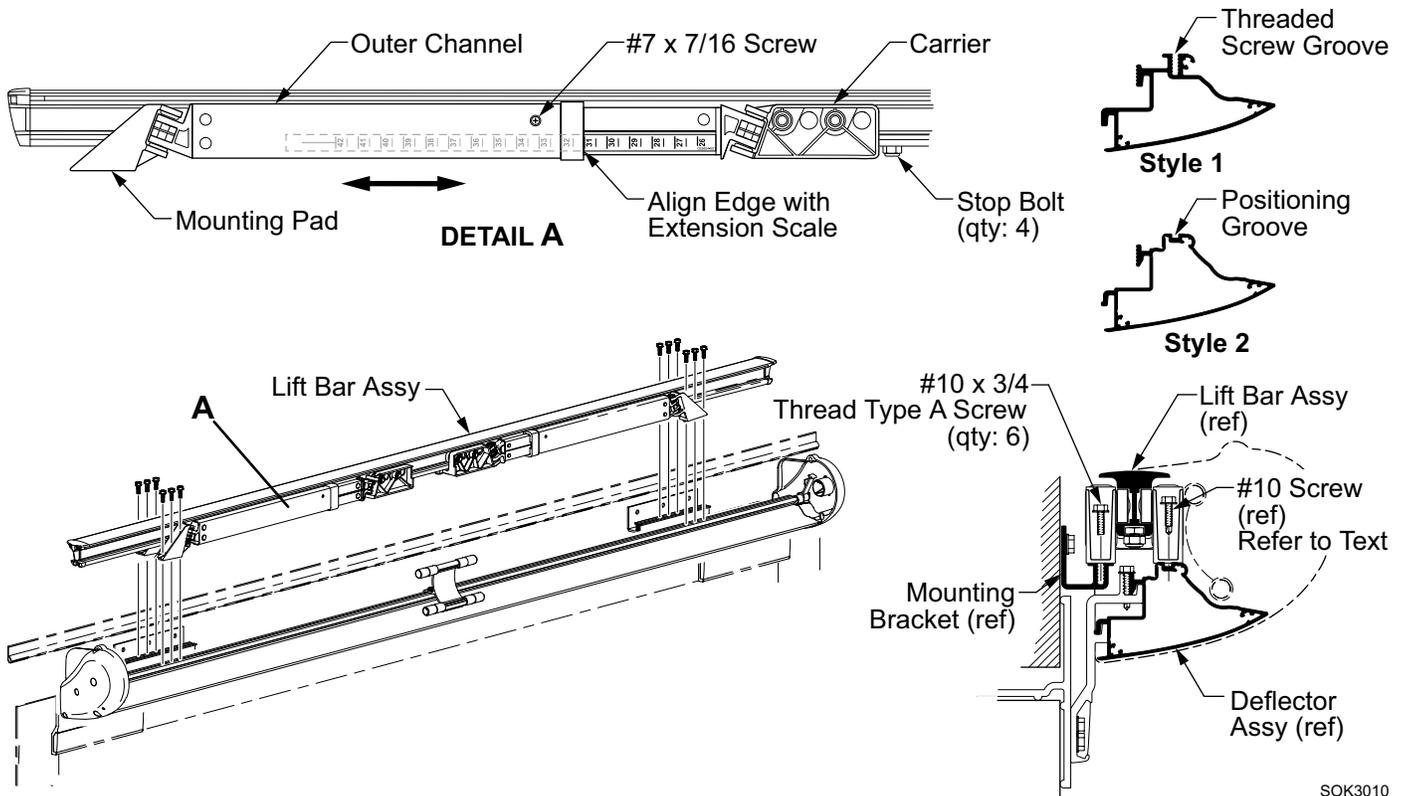
- Notes:**
1. All Dimensions are in inches.
 2. For Deflector lengths between given values, round down to the nearest length. Example: If the deflector length = 157", use the "X" value for 155"

DEFLECTOR LENGTH VS ROOM EXTENSION (CONT)

		DEFLECTOR LENGTH (59" – 105")																	
		59	60	61	62	63	64	65	66	67	70	75	80	85	90	95	100	105	
ROOM EXTENSION	10	9	10	10	10	10	11	11	11	12	13	14	16	18	19	21	22	24	
	11	9	9	10	10	10	11	11	11	12	13	14	16	17	19	21	22	24	
	12	9	9	9	10	10	10	11	11	11	12	14	16	17	19	20	22	24	
	13	9	9	9	10	10	10	11	11	11	12	14	15	17	19	20	22	23	
	14	8	9	9	9	10	10	10	11	11	12	14	15	17	18	20	22	23	
	15	8	9	9	9	10	10	10	10	11	12	13	15	17	18	20	21	23	
	16	8	8	9	9	9	10	10	10	11	12	13	15	16	18	20	21	23	
	17	8	8	8	9	9	9	10	10	10	11	13	15	16	18	19	21	23	
	18	8	8	8	9	9	9	10	10	10	11	13	14	16	18	19	21	22	
	19	7	8	8	8	9	9	9	9	10	10	11	13	14	16	17	19	21	22
	20	7	8	8	8	9	9	9	9	10	10	11	12	14	16	17	19	20	22
	21	7	7	8	8	8	9	9	9	9	10	11	12	14	15	17	19	20	22
	22	7	7	8	8	8	9	9	9	9	10	12	14	15	17	18	20	22	
	23	7	7	7	8	8	8	8	9	9	10	12	13	15	17	18	20	21	
	24	7	7	7	7	8	8	8	8	9	9	10	12	13	15	16	18	20	21
	25	6	7	7	7	8	8	8	8	9	9	10	11	13	15	16	18	19	21
	26	6	6	7	7	7	8	8	8	8	9	10	11	13	14	16	18	19	21
	27	5	6	6	7	7	8	8	8	9	9	11	13	14	16	17	19	21	
	28	5	5	6	6	7	7	8	8	8	9	11	12	14	16	17	19	20	
	29	4	5	5	6	6	7	7	8	8	9	11	12	14	15	17	19	20	
	30	4	4	5	5	6	6	7	7	8	9	11	12	14	15	17	19	20	
	31	3	4	4	5	5	6	6	7	7	9	10	12	14	15	17	18	20	
	32	3	3	4	4	5	5	6	6	7	8	10	12	13	15	17	18	20	
	33	2	3	3	4	4	5	5	6	6	8	10	12	13	15	16	18	20	
34	2	2	3	3	4	4	5	5	6	7	10	11	13	15	16	18	19		
35	1	2	2	3	3	4	4	5	5	7	9	11	13	14	16	18	19		
36		1	2	2	3	3	4	4	5	6	9	11	13	14	16	17	19		
37				1	2	2	3	3	4	5	8	10	12	14	16	17	19		
38					1	2	2	3	3	5	7	10	12	14	15	17	19		
39						1	2	2	3	4	7	9	12	14	15	17	18		
40							1	2	2	4	6	9	11	13	15	17	18		
41								1	2	3	6	8	11	13	15	16	18		
42									1	3	5	8	10	13	15	16	18		

		DEFLECTOR LENGTH (110" – 191")																
		110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190
ROOM EXTENSION	10	26	27	29	30	32	34	35	37	38	40	42	43	45	46	48	50	51
	11	25	27	29	30	32	33	35	37	38	40	41	43	45	46	48	49	51
	12	25	27	28	30	32	33	35	36	38	40	41	43	44	46	48	49	51
	13	25	27	28	30	31	33	35	36	38	39	41	43	44	46	47	49	51
	14	25	26	28	30	31	33	34	36	38	39	41	42	44	46	47	49	50
	15	25	26	28	29	31	33	34	36	37	39	41	42	44	45	47	49	50
	16	24	26	28	29	31	32	34	36	37	39	40	42	44	45	47	48	50
	17	24	26	27	29	31	32	34	35	37	39	40	42	43	45	47	48	50
	18	24	26	27	29	30	32	34	35	37	38	40	42	43	45	46	48	50
	19	24	25	27	29	30	32	33	35	37	38	40	41	43	45	46	48	49
	20	24	25	27	28	30	32	33	35	36	38	40	41	43	44	46	48	49
	21	23	25	27	28	30	31	33	35	36	38	39	41	43	44	46	47	49
	22	23	25	26	28	30	31	33	34	36	38	39	41	42	44	46	47	49
	23	23	25	26	28	29	31	33	34	36	37	39	41	42	44	45	47	49
	24	23	24	26	28	29	31	32	34	36	37	39	40	42	44	45	47	48
	25	23	24	26	27	29	31	32	34	35	37	39	40	42	43	45	47	48
	26	22	24	26	27	29	30	32	34	35	37	38	40	42	43	45	46	48
	27	22	24	25	27	29	30	32	33	35	37	38	40	41	43	45	46	48
	28	22	24	25	27	28	30	32	33	35	36	38	40	41	43	44	46	48
	29	22	23	25	27	28	30	31	33	35	36	38	39	41	43	44	46	47
	30	22	23	25	27	28	30	31	33	35	36	38	39	41	43	44	46	47
	31	22	23	25	26	28	30	31	33	34	36	38	39	41	42	44	46	47
	32	21	23	25	26	28	29	31	33	34	36	37	39	41	42	44	45	47
	33	21	23	24	26	28	29	31	32	34	36	37	39	40	42	44	45	47
34	21	23	24	26	27	29	31	32	34	35	37	39	40	42	43	45	47	
35	21	22	24	26	27	29	30	32	34	35	37	38	40	42	43	45	46	
36	21	22	24	25	27	29	30	32	33	35	37	38	40	41	43	45	46	
37	20	22	24	25	27	28	30	32	33	35	36	38	40	41	43	44	46	
38	20	22	23	25	27	28	30	31	33	35	36	38	39	41	43	44	46	
39	20	22	23	25	26	28	30	31	33	34	36	38	39	41	42	44	46	
40	20	21	23	25	26	28	29	31	33	34	36	37	39	41	42	44	45	
41	20	21	23	24	26	28	29	31	32	34	36	37	39	40	42	44	45	
42	19	21	23	24	26	27	29	31	32	34	35	37	39	40	42	43	45	

MOUNTING THE LIFT BAR ASSEMBLY



SOK3010

Figure 12. Mounting the Lift Bar Assembly.

(Refer to Figure 12)

1. It is necessary to set the extension arm length for the correct room extension length. The extension arms consist of an inner and outer channel. Slide the outer channel to the correct dimension using the scale marks on the inner channel. Use one (1) #7 x 7/16 self-tapping screw to secure the channels. Repeat for the other three arms.
2. Set the lift bar assembly onto the support brackets and deflector assembly. Center the mounting pads of the arms on the brackets.
3. In the screw grooves of the wall brackets attach the arms using 6 (3 per arm) #10 x 3/4 thread type A screws. Torque screws to 15 in-lbs.
4. Examine the deflector extrusion and determine if the deflector is style 1 or style 2 (see sample above).
 - For style 1: In the screw groove of the deflector, attach the arms using 6 (3 per arm) #10 x 3/4 thread type A screws. Torque screws to 15 in-lbs.
 - For style 2: Position the arm mounting pads on the positioning groove of the deflector and attach using 6 (3 per arm) #10 x1 self drilling screws.
5. Center the top rail of the lift bar assembly. Tighten the two INNER stop bolts, torque to 34 in-lbs.. These should be placed next to the inner face of the carriers but with adequate clearance for a socket or closed end wrench to fit over the bolt head.
6. Extend the room out completely.
7. Repeat step 5 for the OUTER stop bolts. These are placed next to the outer face of the carriers.

INSTALLING THE ROLL BAR ASSEMBLY

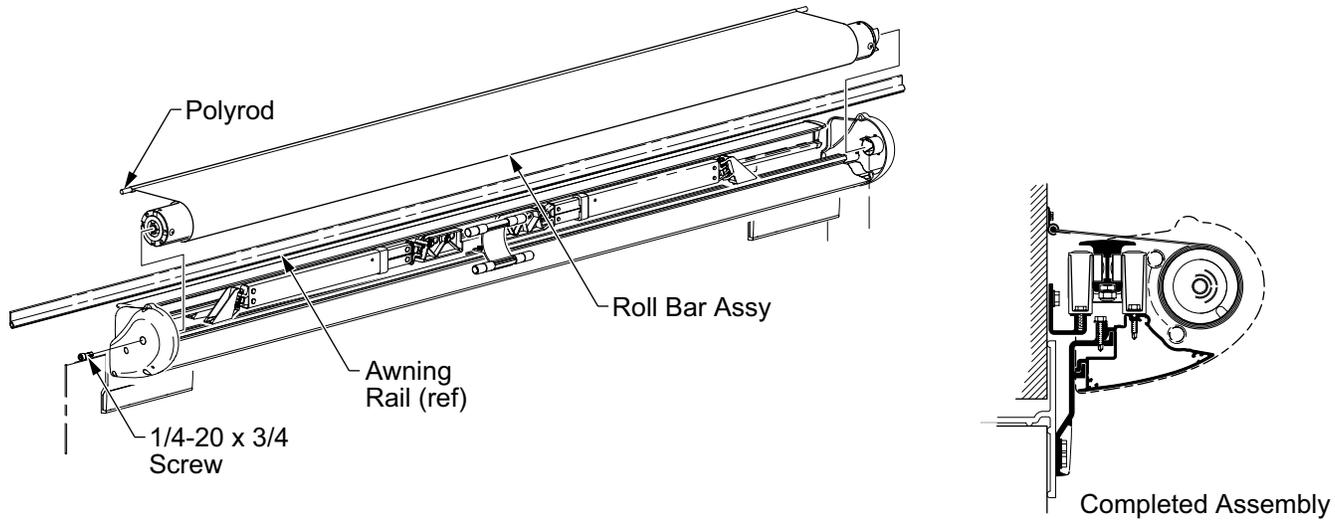


Figure 13. Installing the Roll Bar Assembly.

1. Close the room if open.
2. Unroll some of the fabric from the roll bar.
3. Slide the polyrod and fabric into the awning rail. Center the fabric over the room.
4. Roll up the slack material onto the roll bar.
5. Slide the right end of the roll bar into the right end cap then set the left end of the roll bar into the left end cap. Attach with one (1) 1/4-20 x 3/4 socket head screw through the left end cap.
6. Remove the spring locking pin from the roll bar. This is located on the right end of the roll bar.
7. Open and close the room to ensure that the fabric is rolling up straight on the rollbar.
8. Secure the fabric to the awning rail using two #6 x 3/8 screws through the rail and fabric.
- 9.

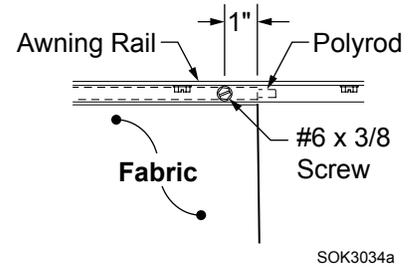
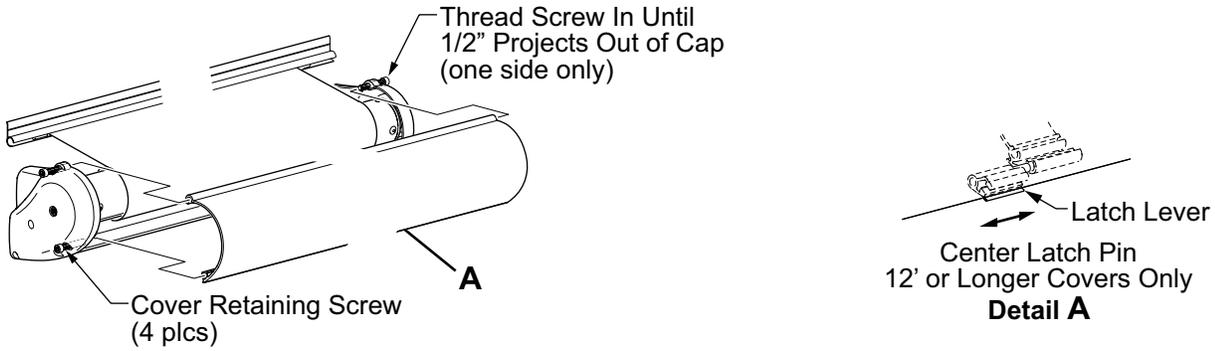


Figure 14. Securing the Fabric.

ATTACHING THE FRONT COVER



SOK3046

Figure 15. Attaching the Front Cover.

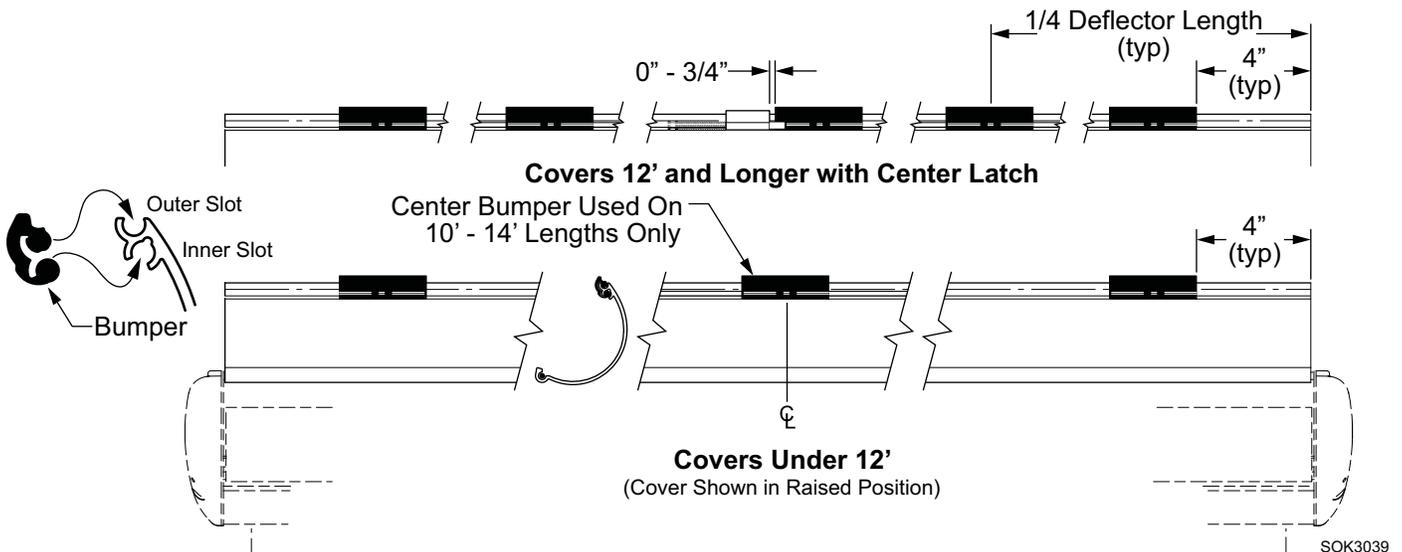
1. If removed, thread the 1/4-20 x 1 1/2 socket head screws into the end caps. On one side thread the screws until flush with the inside of the end cap. On the other side, thread the screws until they project out of the end cap approximately 1/2".

NOTE: The bottom screw holes are threaded at the factory. It will be necessary to force-thread the top holes in the end cap using the supplied screws.

2. Lift the cover up and place one end over the screws that project out of the end cap. The screws fit into the slots of the cover.
3. Align the cover with the other end cap and thread in all the attach screws thru the end caps and into the cover. Hand tighten only.
4. *For covers 12 feet and longer.* Locate the latch lever at the center of the cover. Using a screw driver or similar tool, push the lever to the left and hold; press the cover into position then release the latch lever. The latching pin is spring loaded and will slide into the locking channel.

Cover Bumpers

The Summit cover is shipped with bumpers to prevent rattling. Quantities are two (2) for units under 10"; three (3) for units 10' to 12' and five (5) for units 12' and longer.



SOK3039

Figure 16. Cover Bumpers.

To replace missing or damaged bumpers:

1. In the positions shown, fully press the first round section into the inner slot. This is the same slot that the cover retaining screws are mounted in. Please note the orientation of the bumper.

Tip: Press one end of the bumper into the slot. While holding the bumper in place, gently stretch the bumper. This will temporarily make the diameter smaller and easier to press into the slot.

2. Stretch the bumper around and press the second round section into the outer slot.

INSTALLATION - SUMMIT XL

COMPONENT CHECKLIST

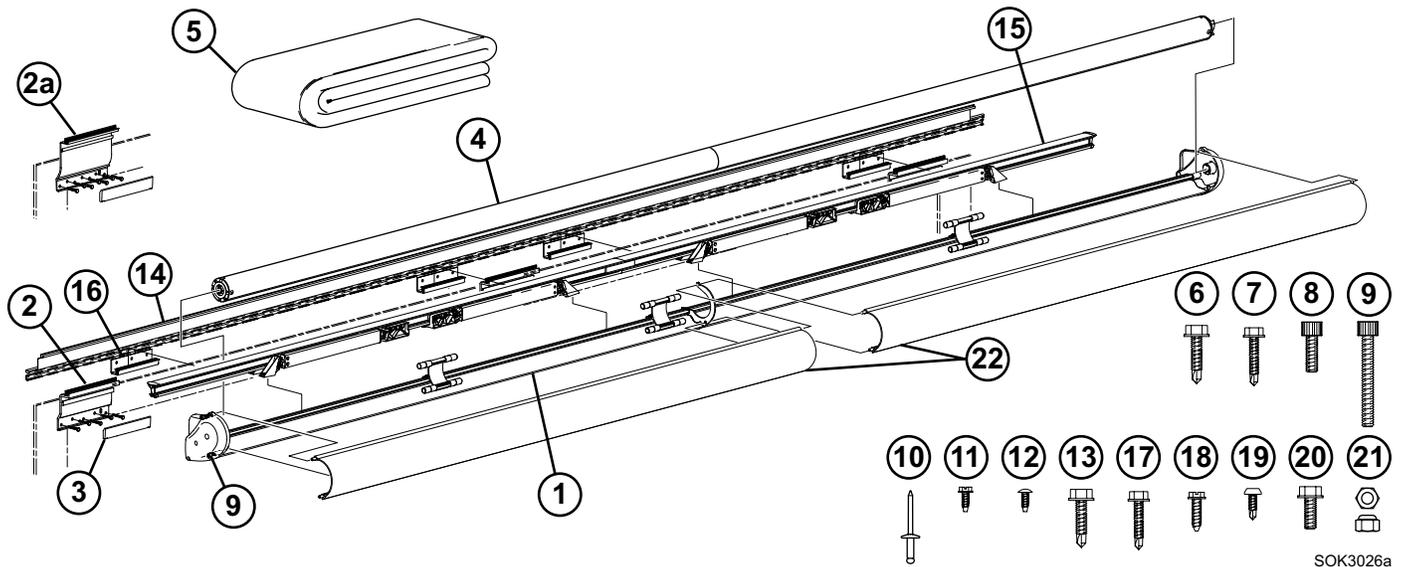


Figure 17. Component Checklist

☑	ITEM	DESCRIPTION		QTY	NOTE
<input type="checkbox"/>	1	Deflector Assy		1	2
<input type="checkbox"/>	2	Bracket, Deflector, Short		3	4
<input type="checkbox"/>	2a	Bracket, Deflector, Long	Alternate	3	4,6
<input type="checkbox"/>	3	Cover, Bracket, Deflector Assy		3	
<input type="checkbox"/>	4	Roll Bar Assy		1	2
<input type="checkbox"/>	5	Fabric		1	
<input type="checkbox"/>	6	Screw, Self Drilling, HWH	#12 x 1	15	
<input type="checkbox"/>	7	Screw, Self Drilling, HWH	#10 x 1	6	
<input type="checkbox"/>	8	Screw, Socket Head	1/4-20 x 3/4	1	
<input type="checkbox"/>	9	Screw, Socket Head (2 screws are shipped installed in end caps)	1/4-20 x 1 1/2	4	
<input type="checkbox"/>	10	Pop Rivet	3/16	4	
<input type="checkbox"/>	11	Screw, Self Tapping, HWH	#6 x 3/8	2	
<input type="checkbox"/>	12	Screw, Phillips Head	#6 x 3/8	2	
<input type="checkbox"/>	13	Awning Rail Adaptor		1	2
<input type="checkbox"/>	14	Lift Bar Assy		1	2,3,7
<input type="checkbox"/>	15	Bracket, Lift Arm		4	
<input type="checkbox"/>	16	Screw, Self Drilling, HWH	#12 x 1	12	
<input type="checkbox"/>	17	Screw, Self Drilling, HWH	#10 x 1	12	
<input type="checkbox"/>	18	Screw, HWH, Thread Type A	#10 x 3/4	24	
<input type="checkbox"/>	19	Screw, Self Tapping, #2 Phillips	#7 x 7/16	8	
<input type="checkbox"/>	20	Screw, HWH	1/4-20 x 5/8	4	5
<input type="checkbox"/>	21	Lock Nut	1/4-20	4	5
<input type="checkbox"/>	22	Front Cover Assy		1	2
<input type="checkbox"/>	22	Shim, 1/4", Deflector Bracket	not shown	3	6, 8

- Notes:
- Specific configurations are specified at time of order, including awning length, fabric, color etc. Check awning assembly against original purchase order.
 - Deflector assy (item 1), Roll Bar assy (item 4), Awning Rail Adaptor (item 11), Lift Bar assy (item 13) and Front Cover assy (item 19) are shipped in two sections and assembled during installation.
 - The lift bar extension arms are made to the extension size specified at time of order
 - Deflector bracket is available in two sizes (short and long) and specified at time of order.
 - Items 17 & 18 are shipped installed in the lift bar splice.
 - For rooms 283" or longer, quantity of brackets (items 2, 2a) is 5.
 - Arm extension is base on the room extension and specified at the time of order.
 - Bracket shim (item 22) is optional and must be specified at time of order.

PRE-INSTALLATION LAYOUT

Prior to installing a Summit with Lift-Bar, it is necessary to confirm the mounting requirements. If any of the parameters cannot be met, the Lift-Bar cannot be mounted correctly. Use a non-permanent method of marking, and mark the locations in this section. These will be used to mount the components.

DETERMINE THE CORRECT DEFLECTOR BRACKET

The deflector bracket is available in two sizes, long and short. Use the following measurements to determine the correct bracket for the installation.

4. Measure the height from the top of the room roof to the top of the flange: _____
5. Measure the height from the top of the room to the centerline of the awning rail: _____
 - If the rail height is between 5 3/4" – 6 3/8" and the flange height is 2 5/8" or less, use the short bracket.
 - If the rail height is between 6 3/8" – 7 3/4" and the flange height is 4 1/8" or less, use the long bracket.

NOTE: The long bracket may be used in place of the short bracket. If the mounting of the long bracket is on the wall face of the room, it is recommended that the installer furnish structural support behind the wall face.

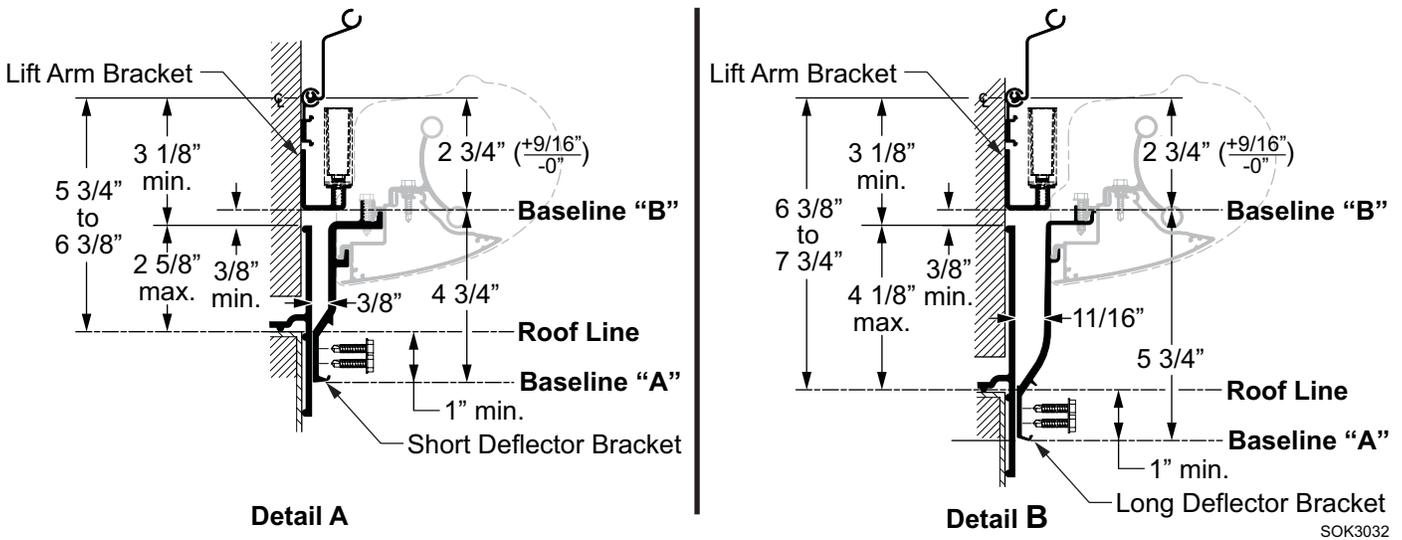


Figure 18. General Layout.

VERTICALLY POSITION BRACKET #2 (LIFT ARM BRACKET)

6. Bracket #2 (lift arm bracket) mounts to the coach wall above the slide-out room. The bracket requires a flat mounting area of 1 1/2" high and 6 inches wide. From the centerline of the awning rail, measure down 2 3/4". This will be BASELINE B.

VERTICALLY POSITION BRACKET #1 (DEFLECTOR BRACKET)

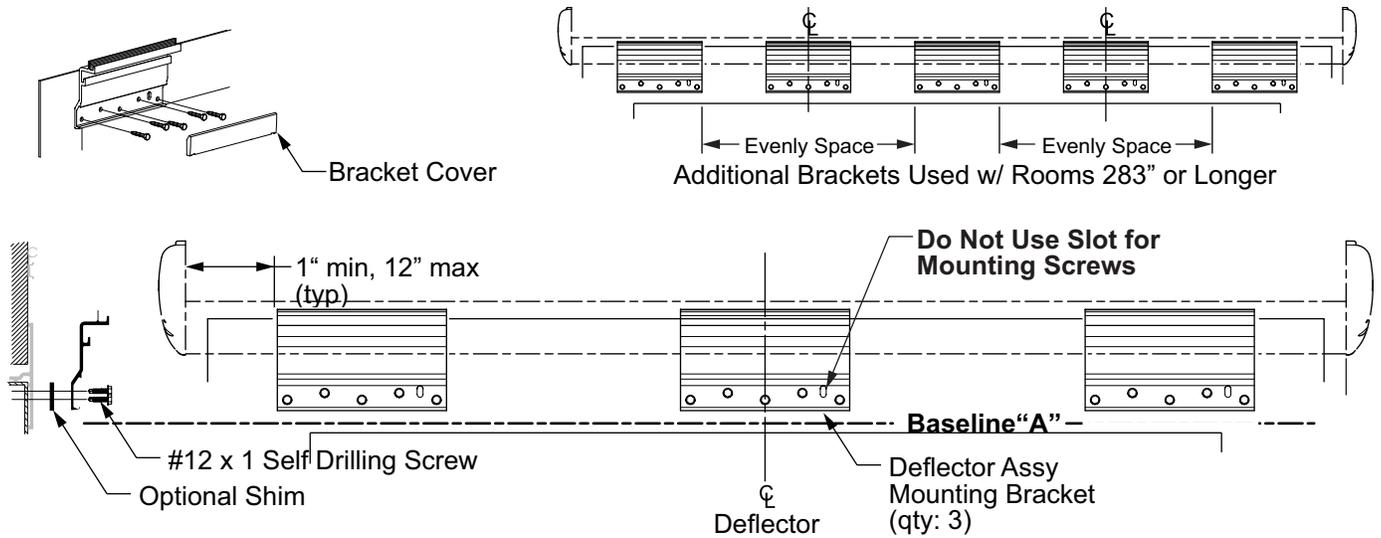
7. Bracket #1 (deflector bracket) mounts to the flange/face of the slide-out room. The bracket requires a flat mounting area of 1 1/4" high and 7 1/2 inches wide. From BASELINE B measure down 4 3/4" for the short bracket or 5 3/4" for the long bracket. This will be BASELINE A.

ADJUSTING THE VERTICAL POSITION

The bottom of deflector bracket (Baseline A) must be a minimum of 1" below the roof line to ensure that the bracket is mounted into the structure.

8. If necessary to meet these criteria, adjust both BASELINE A and BASELINE B down a maximum of 9/16". Baseline B must have a vertical clearance of 3/8" above the top of the flange.

SETTING THE DEFLECTOR MOUNTING BRACKETS W/ LIFT BAR



Short Bracket Shown. Instructions apply to short and tall brackets

SOK3037

Figure 19. Setting the Deflector Brackets for Installations w/ Lift-Bars.

1. Position the deflector brackets on the room face using BASELINE A as shown in Figure 7.
2. Attach the brackets.
 - Using a quality silicone sealant, coat the mounting surface of the bracket with particular attention around the mounting holes.
If the thickness of the room flange exceeds 3/8" for the short bracket or 11/16" for the long bracket as shown in figure 2, a 1/4" shim is available. Shim must be specified at time of order.
 - Position the bracket and optional shim (if used) and attach using #12 x 1 self-drilling screws. (5 per short bracket, 7 per long bracket).
3. Snap the bracket cover on to the bracket to cover the screw heads. The tab on the back of the cover goes into the slotted hole of the bracket.

NOTE: If it is necessary to remove the cover after installation, slide a small pin (e.g. paper clip) in the end under the cover. Lift the locking tab and gently pull out the end of the cover. Repeat for other side of the cover.

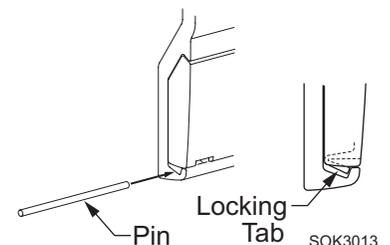
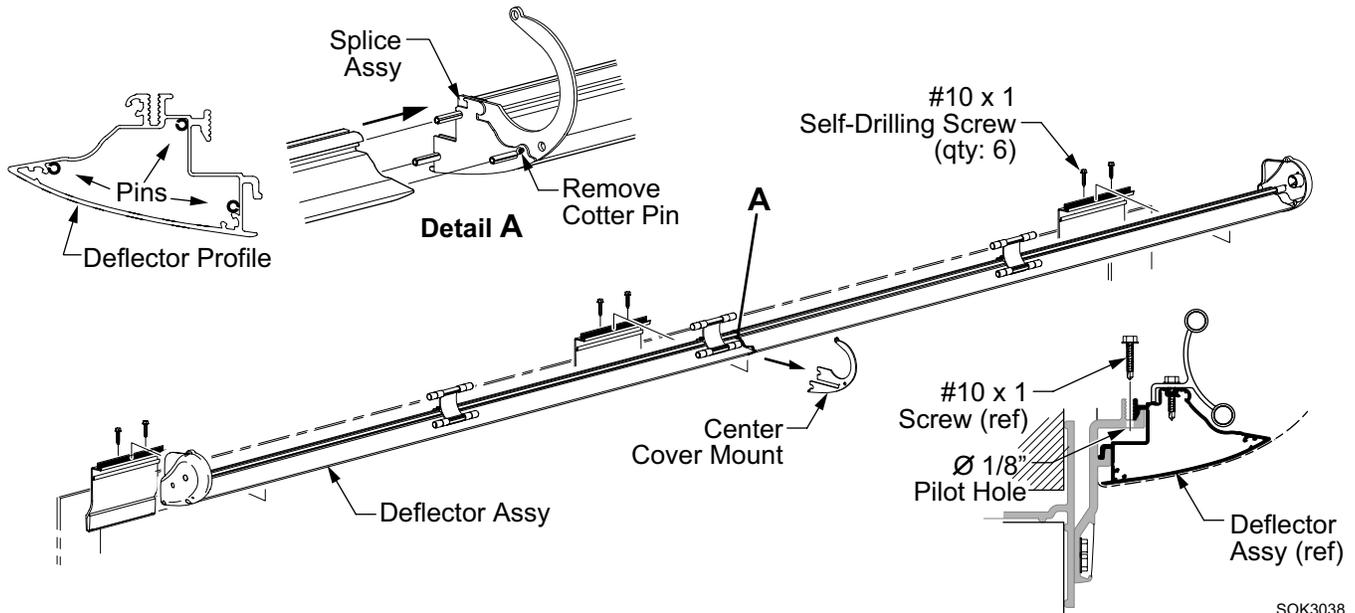


Figure 20. Removing the Cover.

MOUNTING THE DEFLECTOR ASSEMBLY

The deflector is shipped in two sections. The RH section has the RH end cap and the center splice assembly. The LH section has the LH end cap only.



SOK3038

Figure 21. Mounting the Deflector Assembly.

4. Lift the RH deflector assembly up and onto the mounting brackets. The deflector hooks into the brackets.
5. Horizontally align the center splice assembly with the centerline of the room. This should coincide with the center line of the center mounting bracket.
6. In the screw groove formed between the RH bracket and deflector, drill a 1/8" pilot hole through the bottom of the bracket in the screw groove. Secure the assembly to the bracket using two (2) #10 x 1 self drilling screws. If the deflector moves during drilling, complete the drilling operation then realign the deflector. Do not attach the deflector to the center bracket at this time.
7. From the splice assembly, remove the cotter pin and the center cover mount. Set both components aside to reinstall later.

NOTE: The cover mount is not installed if the optional cover is not to be installed.

8. Lift the LH section of the deflector up and onto the brackets.
9. Align the LH section with the RH section and press the LH section onto the split pins of the splice assembly.

Tip: The split pins are a tension fit. If necessary, remove the LH end cap and set aside. Use a rubber mallet and tap the LH section onto the pins. Use care to not bend or distort the deflector. When the inner end is tight against the splice assembly, reattach the end cap.

10. For the left and center brackets: In the screw groove formed between the bracket and deflector, drill a 1/8" pilot hole through the bottom of the bracket in the screw groove. Secure the assembly to the brackets using four (2 per bracket) #10 x 1 self drilling screws.

SETTING THE LIFT ARM MOUNTING BRACKETS

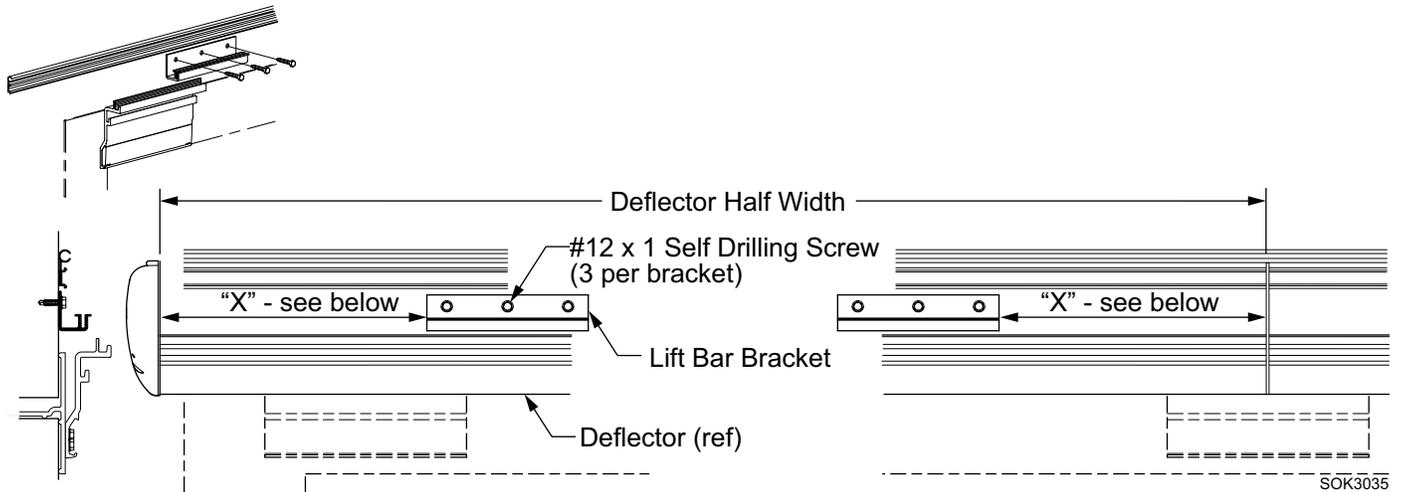


Figure 22. Setting the Lift Arm Brackets.

DETERMINING THE HORIZONTAL POSITION OF THE BRACKET

To determine the correct value of "X", use the following calculation:

Position Formula		Example: Deflector Length = 100in; Room Extension = 20 in	
+	<input type="text"/> ← .25 x Deflector Half Width	.25 x 100 in. →	<input type="text" value="25"/>
-	<input type="text"/> ← .19 x Room Extension	.19 x 20 in. →	<input type="text" value="3.8"/> - (subtract)
-	<input type="text" value="7.8"/>		<input type="text" value="7.8"/> - (subtract)
X	= <input type="text"/> see note 2	X =	<input type="text" value="13.4"/> see note 2

- NOTES: 1. All Dimensions are in inches.
2. If "X" is Less than 1 inch, the lift bar arms cannot be mounted for this application.

- If open, close the room.
- Using Baseline B and the horizontal dimension (X) in Figure 11, position and attach the lift bar brackets using three (3) #12 x 1 self-drilling screws per bracket.

MOUNTING THE LIFT BAR ASSEMBLY

The lift bar assembly is shipped in two sections. Both consist of one lift bar section and two lift arm sets.. The first section has two splice plates attached to the lift bar. The second section has only one end cap.

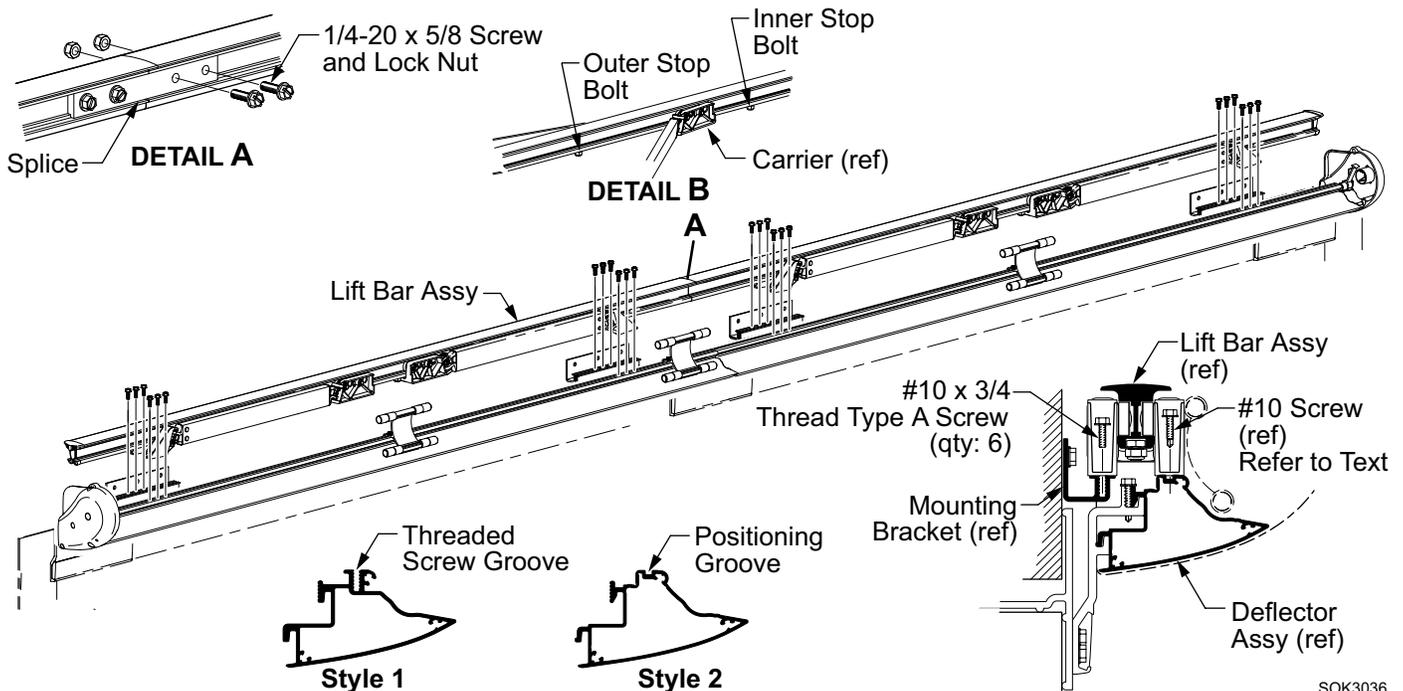


Figure 23. Mounting the Lift Bar Assembly.

8. Set the first lift bar assembly section onto the support brackets and deflector assembly, the splice plates must be pointed to the center of the room. Center the mounting pads of the arms on the brackets.
9. In the screw grooves of the brackets, secure the assembly using 6 (3 per arm) #10 x 3/4 thread type A screws. Torque screws to 15 in-lbs.

Tip: Secure the mounting pads to the coach wall brackets first then attach the pads to the deflector. This will help ensure that the lift bar is parallel with the deflector.
10. Examine the deflector extrusion and determine if the deflector is style 1 or style 2 (see sample above).
 - *For style 1:* In the screw groove of the deflector, attach the arms using 6 (3 per arm) #10 x 3/4 thread type A screws. Torque screws to 15 in-lbs.
 - *For style 2:* Position the arm mounting pads on the positioning groove of the deflector and attach using 6 (3 per arm) #10 x1 self drilling screws.
11. Repeat steps 1 thru 3 for the second lift bar assembly section. Please note that the end of the lift bar without an end cap must point toward the center of the coach.
12. Remove the screws and nuts from the open end of the splice plates and save for the next step.
13. Slide the two lift bar sections together and align the holes in the splice plates with the holes in the second lift bar section. Attach using the two (2) 1/4-20 x 5/8 screws and locknuts. Tighten all of the splice plate screws and nuts.
14. Center the top rail of the assembly. Tighten the two INNER stop bolts, torque nuts to 34 in-lbs. These should be placed next to the inner face of the carriers but with adequate clearance for a socket or closed end wrench to fit over the bolt head.

NOTE: The stop bolts are the captured screws and nuts loosely installed in the bottom of the lift bar. There are four in total, two for the outer stops and two for the inner stops.
15. Extend the room out completely.
16. Repeat step 7 for the OUTER stop bolts. These are placed next to the outer face of the carriers.

INSTALLING THE ROLL BAR ASSEMBLY

NOTE: Because of the length and weight of the rollbar and fabric, it will be necessary to have 3 people to install the rollbar; one person at each end, with the third person to support the center.

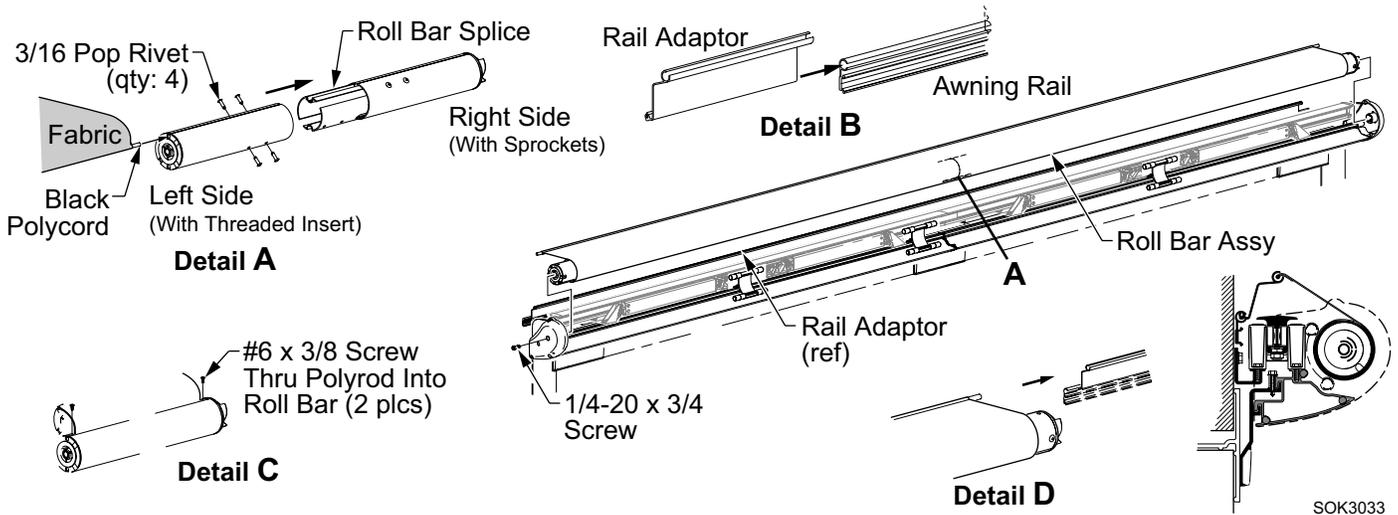


Figure 24. Installing the Roll Bar Assembly.

10. Close the room if open.
11. (Detail A) Slide the rail adaptor (2 pieces) into the awning rail. Note the orientation as shown.
12. (Detail B) Slide the two roll bar halves together. The splice is a tension fit. It may be necessary to tap one end of the roll bar to press the two halves together. Align the predrilled rivet holes in the roll bar and splice.

⚠ CAUTION

USE CARE TO NOT BEND OR DISTORT THE ROLLBAR. IF IT IS NECESSARY TO TAP THE END OF THE ROLL BAR, USE CARE TO NOT DAMAGE THE ENDCAP.

13. Attach the roll bar half to the splice using four (4) 3/16" pop rivets.

NOTE: If the rivets holes are slightly misaligned, use a #10 drill bit and ream the holes to allow the pop rivet to be pushed in.
14. Unfold the fabric and slide the edge of the fabric (edge with black polycord) into the rollbar. The fabric can only be inserted from the left side of the rollbar.
15. (Detail C) Center the fabric on the roll bar and secure using two (2) #6 x 3/8 phillips head screws through the polycord and rollbar. Do not put the screws through the fabric.
16. Roll the fabric onto the rollbar. The fabric must be oriented around the roll bar as shown.
17. (Detail D) Slide the white polyrod and fabric into the awning rail adaptor. Ensure that the two halves of the adaptor are pushed together (no gaps). Center the fabric over the room.
18. Roll up the slack material onto the roll bar.
19. Slide the right end of the roll bar into the right end cap then set the left end of the roll bar into the left end cap. Attach with one (1) 1/4-20 x 3/4 socket head screw through the left end cap.
20. Remove the spring locking pin from the roll bar.
21. Open and close the room to ensure that the fabric is rolling up straight on the rollbar.
22. Secure the adaptor in the awning rail. On each end, place a #6 x 3/8 screw through the awning rail on the outer edge of the adaptor (not through the adaptor).
23. Secure the fabric to the adaptor using two #6 x 3/8 screws through the adaptor and fabric.

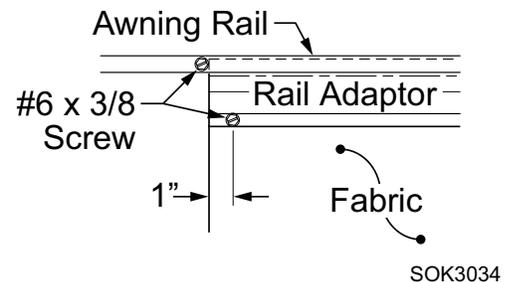


Figure 25. Securing the Rail Adaptor.

ATTACHING THE OPTIONAL FRONT COVER

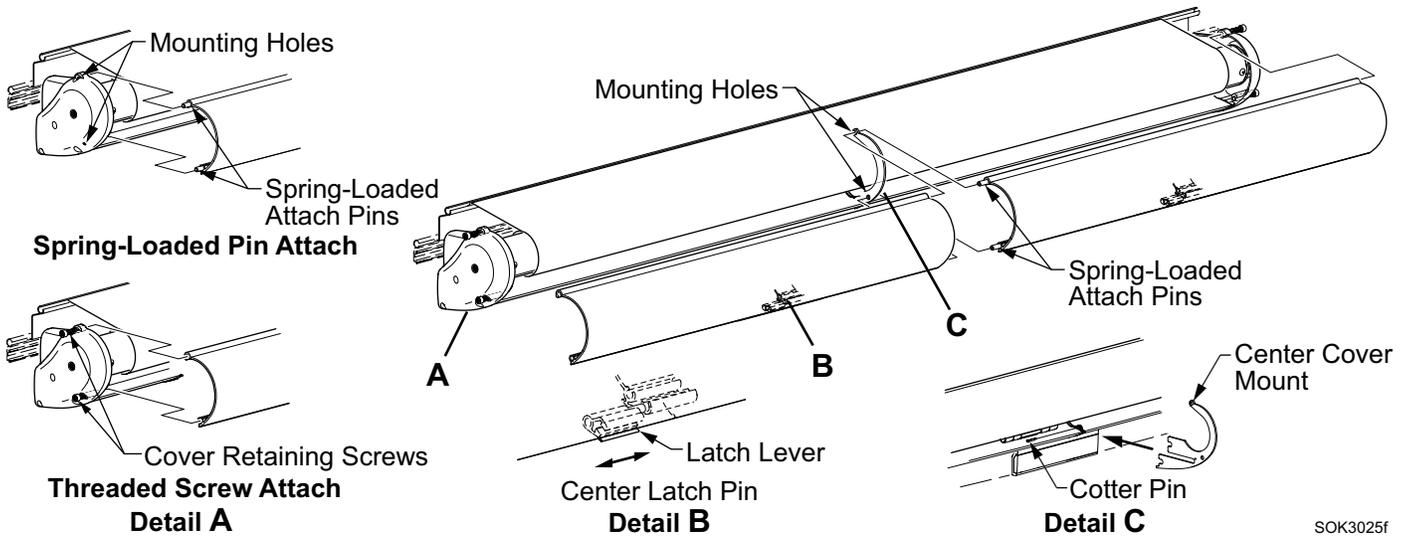


Figure 26. Attaching the Front Cover.

5. Insert the center cover mount into the deflector splice and around the rolled fabric. Secure with the cotter pin removed earlier.

For Spring-Loaded Pin Mounts:

2. Examine the two cover halves. The RH half has spring loaded attachment pins on both ends; the second half has pins on one end only.
3. Lift the RH cover up and set the pins into the mounting holes of the RH end cap.
4. In the center, press the pins into the cover and set into position. Adjust the position until the pins pop out through the mounting holes of the center support.
5. Lift the second cover half up and slide the inside end onto the protruding attach pins of the first cover.
6. At the LH end cap, press the pins into the cover and set cover into position. Adjust the position until the pins pop out into the mounting holes of the end cap.
7. Locate the latch lever at the center of the covers. Using a screw driver or similar tool, push the lever to the left and hold; press the cover into position then release the latch lever. The latching pin is spring loaded and will slide into the locking channel.

For Threaded Screw Mounts:

6. Examine the two cover halves. One half has spring loaded attachment pins on one end, the second has none. Lift the first cover half with the pins and insert the pins through the mounting holes of the center cover support.
7. Align the cover with the RH end cap and screw the cover retaining 1/4-20 x 1 1/2 socket head screws through the end cap and into the cover. Hand-tighten only.

NOTE: If replacing the end caps: the bottom screw holes in the end caps are threaded at the factory. It will be necessary to force-thread the top holes in the end cap using the supplied screws.

8. Lift the second cover half up and slide the inside end onto the protruding attach pins of the first cover.
9. Align the second cover with the end cap and screw the cover retaining screws through the end cap and into the cover. Hand-tighten only.
10. Locate the latch lever at the center of the covers. Using a screw driver or similar tool, push the lever to the left and hold; press the cover into position then release the latch lever. The latching pin is spring loaded and will slide into the locking channel.

Cover Bumpers

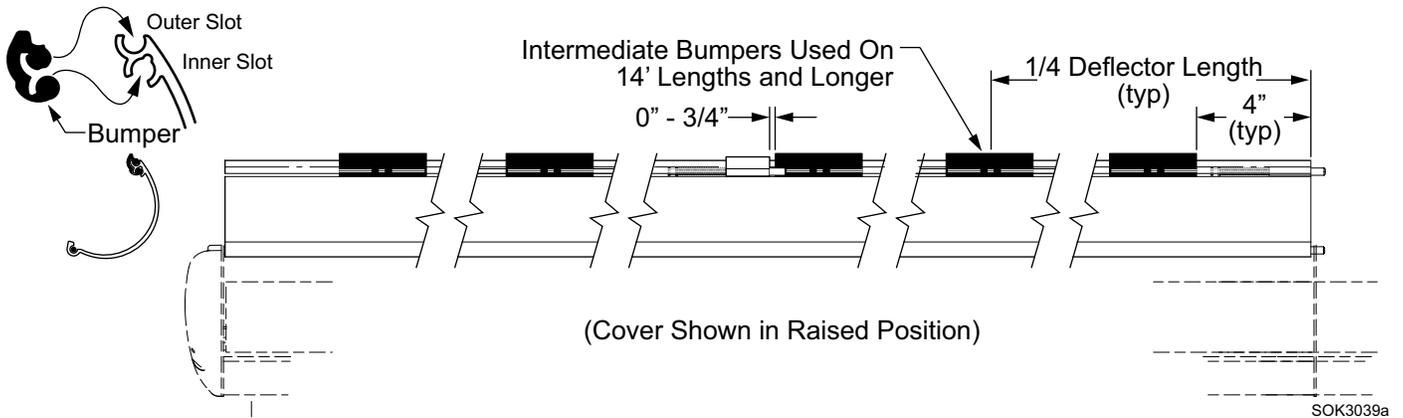
The Summit cover is shipped with bumpers to prevent rattling. Quantities are three (3) for units under 14' and five (5) for units 14' and longer.

To replace missing or damaged bumpers:

3. In the positions shown, fully press the first round section into the inner slot. This is the same slot that the latch springs are mounted in. Please note the orientation of the bumper.

Tip: Press one end of the bumper into the slot. While holding the bumper in place, gently stretch the bumper. This will temporarily make the diameter smaller and easier to press into the slot.

4. Stretch the bumper around and press the second round section into the outer slot.



INSTALLER'S NOTE: WHEN COMPLETED WITH THE INSTALLATION, CUT OFF THE LAST SHEET OF THIS MANUAL AND PLACE WITH THE COACH OWNER INFORMATION.



RV



- *Automatically opens and closes with the room.*
- *Shades the top of the room to help cool the interior.*
- *The lift bar system provides a peaked contour to the fabric when the room is open; yet stores flat beneath the fabric when the room is closed. This is excellent for shedding water to prevent water pooling on the canopy.*
- *No anti-billow or locking devices required.*

MAINTENANCE

Maintaining the Carefree Summit is easy. Just follow these basic steps:

- Periodically check that the fasteners are tight. Tighten if necessary.
- Keep the awning fabric clean.

FABRIC CARE

⚠ CAUTION

DO NOT USE OIL BASED CLEANERS OR ANY CAUSTIC, GRANULATED, OR ABRASIVE TYPE CLEANERS ON YOUR CAREFREE PRODUCT.

1. One of the best ways to keep the fabric looking good and to delay the need for deep or vigorous cleanings is to hose fabrics off on a monthly basis with clear water. This practice will help prevent dirt from becoming deeply imbedded in the fabric. In most environments, a thorough cleaning is only required every two to three years.
2. When it's time for a thorough cleaning, the fabric can be cleaned while still on the coach.
 - For Vinyl Fabric – Use a soft brush and warm water with soap.
 - For Acrylic Fabric – Use a stiff brush and warm water with soap.
3. When cleaning the fabric, it is important to observe the following:
 - Always use a natural soap, never detergent.
 - Water should be cold to lukewarm, never more than 100°F.
 - Air-dry only. Never apply heat to the fabric.
 - Always allow the fabric to dry thoroughly before rolling up the awning.

Mildew

Mildew is a fungus growth that looks like dirt. Vinyl coated polyester fabrics are mildew resistant because of a chemical biocide in the vinyl coating. Under ordinary conditions, mildew will not appear. However, in areas where high temperature and humidity are common, mildew can be a problem and required the material to be cleaned more frequently. Thoroughly rinse the fabric with clean water and allow to air dry completely before rolling up the fabric.

CAREFREE MAJOR PRODUCT LIMITED WARRANTY

Carefree of Colorado (hereafter referred to as Carefree) warrants to the first retail Purchaser that the Carefree Product is free of defects in material and workmanship within the terms and conditions as set forth in the warranty statement available online at www.carefreeofcolorado.com. Carefree's obligation under this warranty is limited to the repair or replacement, at Carefree's option, of any defective component with new or factory refurbished components.

OWNER MUST RETAIN THE ORIGINAL PROOF OF PURCHASE AND/OR HAVE THE PRODUCT WARRANTY REGISTRATION ON FILE AT CAREFREE FOR WARRANTY CLAIMS.

THIS WARRANTY IS NOT TRANSFERABLE.

For

- **Warranty Duration;**
- **Warranty Coverage and Exclusions;**
- **Warranty Terms of Coverage; and,**
- **Warranty Claim Procedures**

Refer to publication
052580-111 "Carefree Major Product Limited Warranty"
available online at
www.carefreeofcolorado.com

Register your Carefree products on-line at www.carefreeofcolorado.com

IMPORTANT NOTICE: It is strongly recommended that adjustments and repairs be performed by trained technicians at your Authorized Carefree Dealer. Work performed by non-authorized persons or businesses may void warranty.