



# The Rainier Model

Product Reference Guide

Rainier Shading  
1760 Route 211 East  
Middletown, NY 10941  
(800) 501.3850

Version 5.25



# Rainier Model

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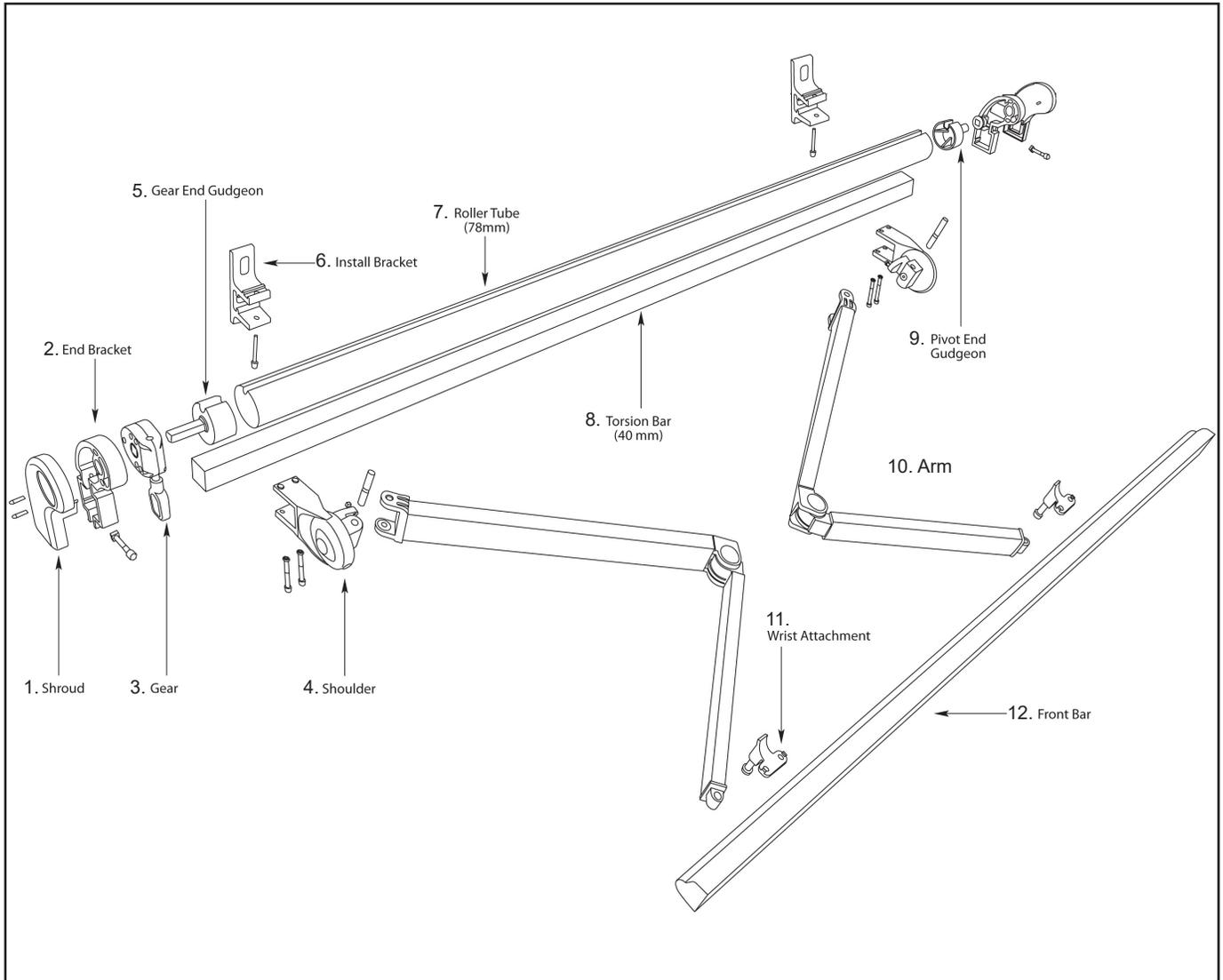
**OFFICE: 845-692-7070 M-F (8am - 5pm EST)**  
**AFTER HOURS / TECH SUPPORT: 845-645-6995**

- Application:** Premium grade/residential use
- In Production Since:** 2003
- Standard Operation:** Sunea RTS Override motor
- Optional Operation:** Gear and Crank or other motors
- Widths:** Up to 40'0" wide (in 1/4" increments)
- Projections:** 5'0" , 7'4" , 9'0" , 10'6" , 11'6"
- Optional Protective Hood:** Yes, for wall and roof applications
- Hardware Color Options:** White, Camel, and Spartan Bronze
- Arm Tension System:** 9 cable ART belt system tested to 60,000 cycles
- Torsion Bar:** 40mm heavy aluminum
- Mounting Options:** Wall, soffit/ceiling, and roof w/ 9" tall brackets
- Drop Shade Option:** Up to 22' wide x 11'6" projection
- Frame Warranty\*:** 10 years
- Fabric Warranty\*:** 10 years
- Motor/Electronics Warranty\*:** 5 years
- Extended Warranty Options:**

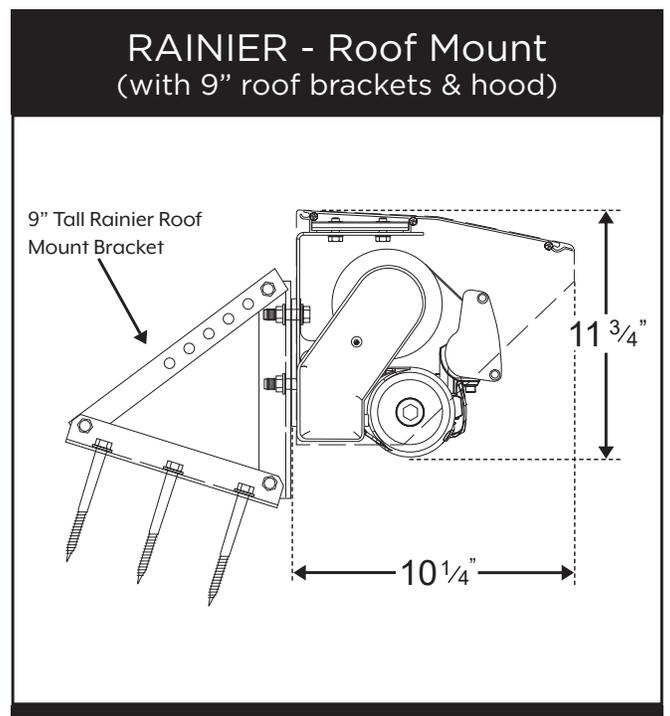
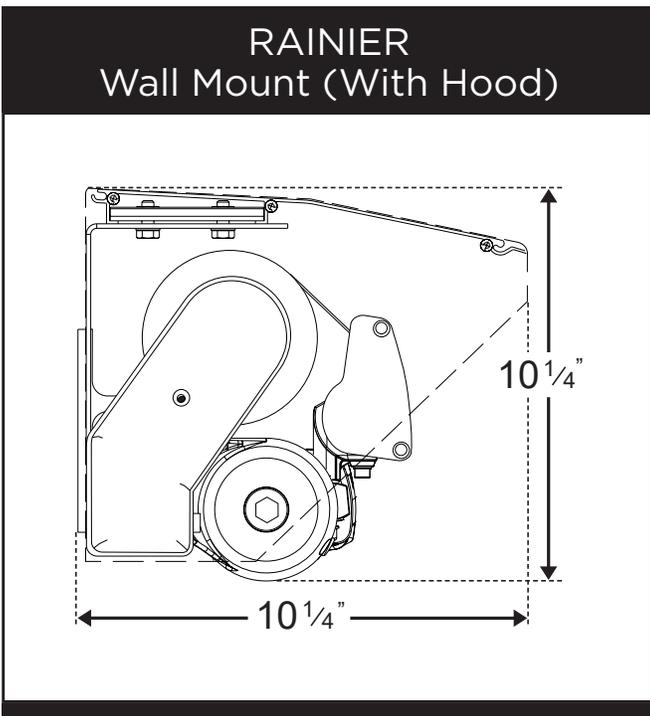
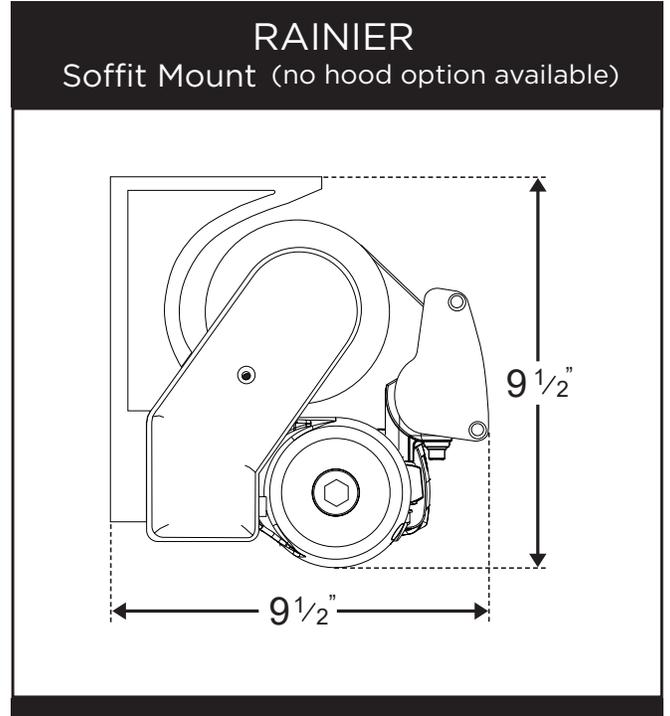
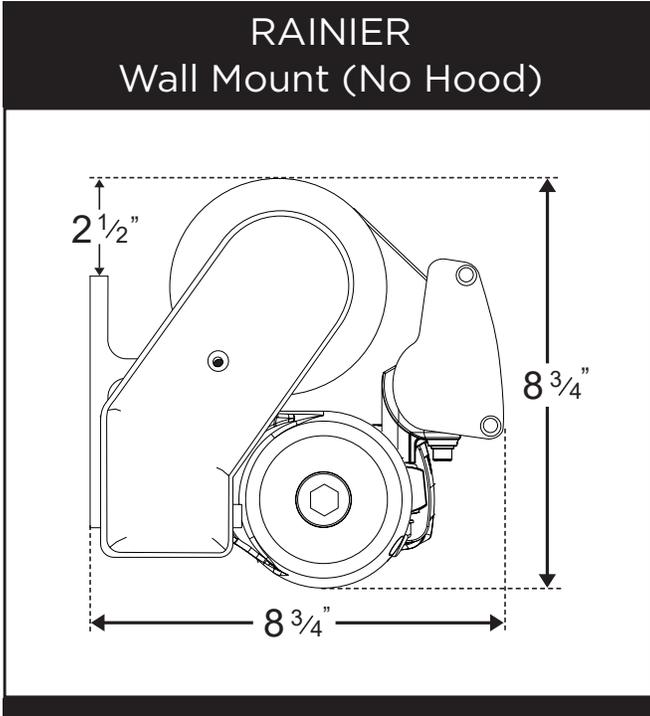
*\*Non-prorated*

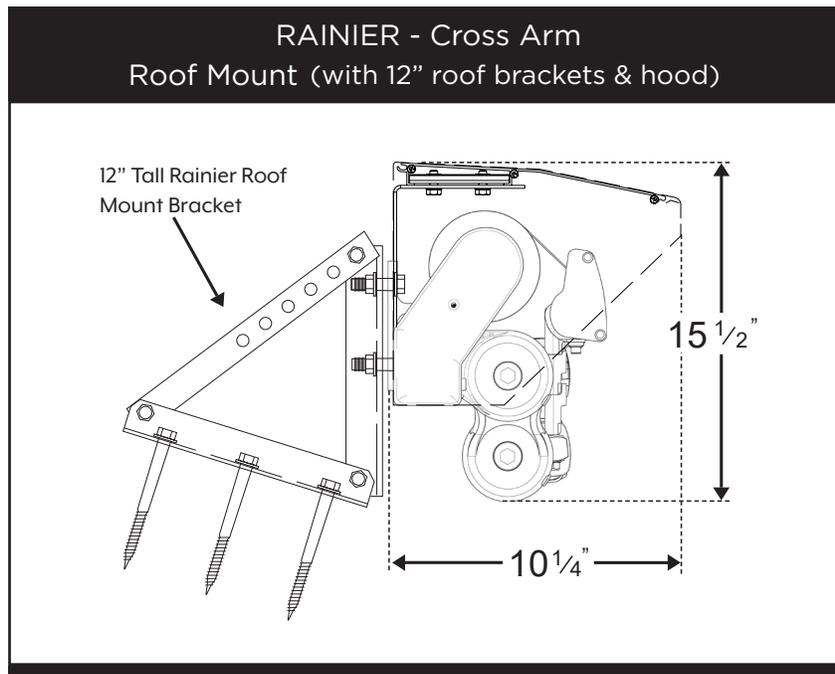
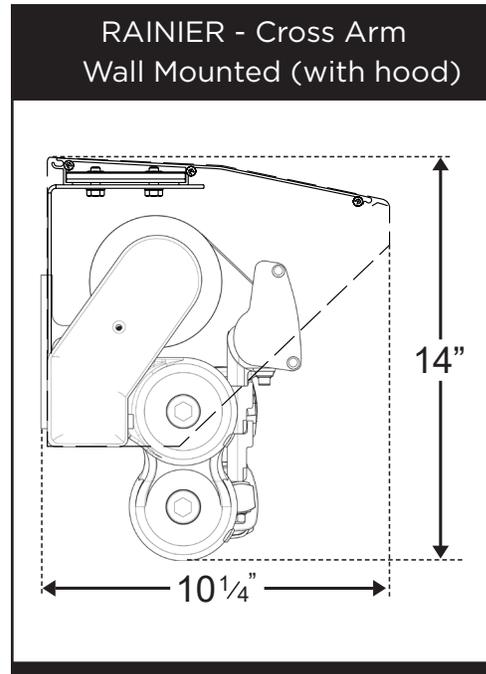
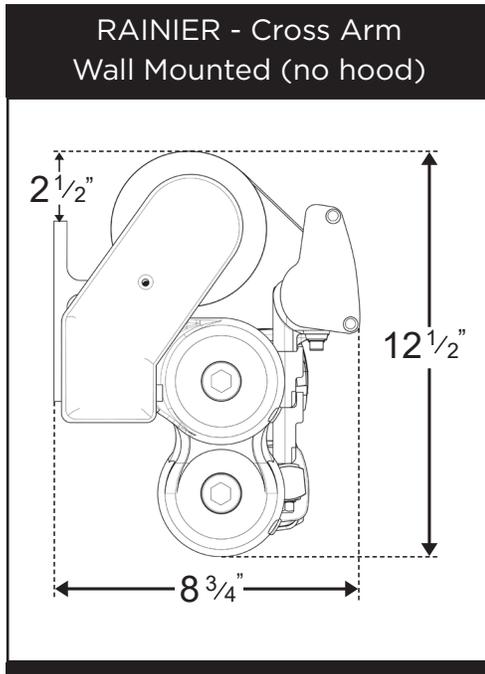


### OPTIONAL HOOD NOT SHOWN



RAINIER - STANDARD			
Part Number	Part Name	Part Number	Part Name
1	Shroud	7	78mm Roller Tube
2	End Bracket	8	Torsion Bar 40mm
3	Gear	9	Pivot End Gudgeon
4	Shoulder	10	Arm
5	Gear End Gudgeon	11	Wrist Attachment
6	Install Bracket	12	Front Bar





40 x 40mm  
WALL MOUNT BRACKET

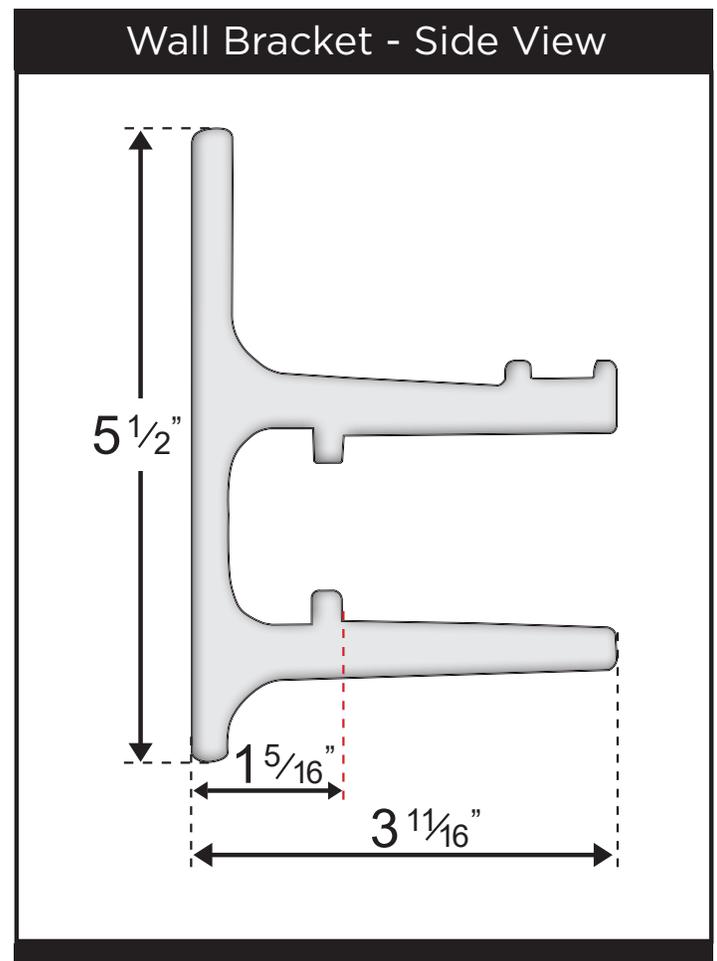
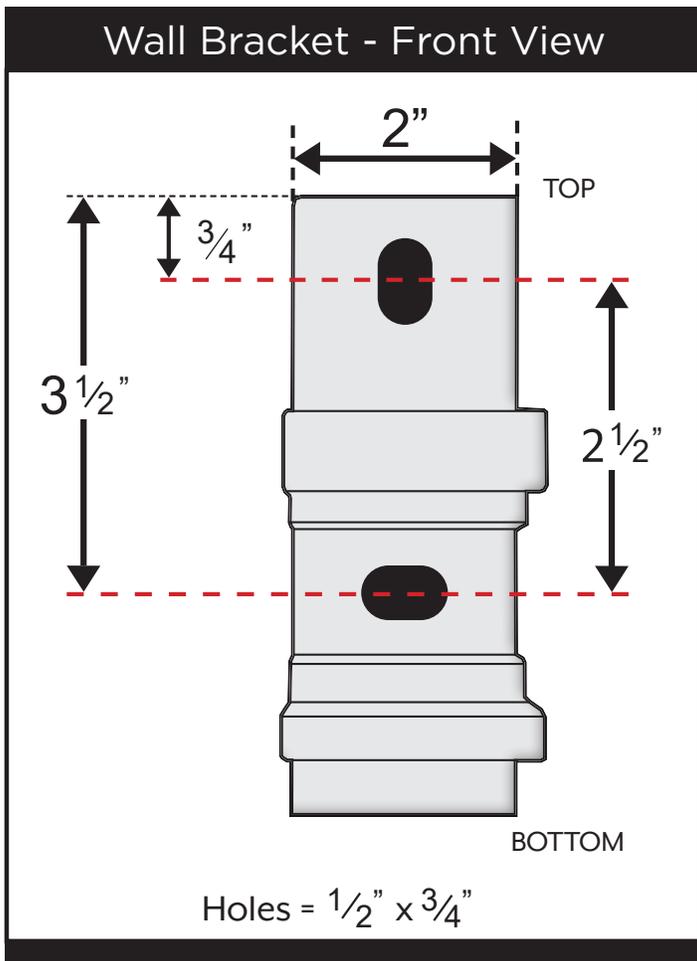
- All Sizes
- All Formats
- All Options

*Used on wall and roof mounted:*

Rainier and Rainier with SC

Available in:

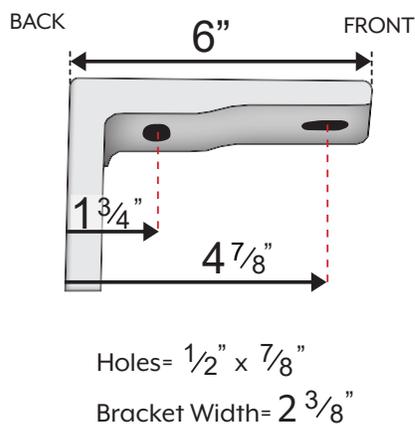
*White, Camel, and Spartan Bronze*



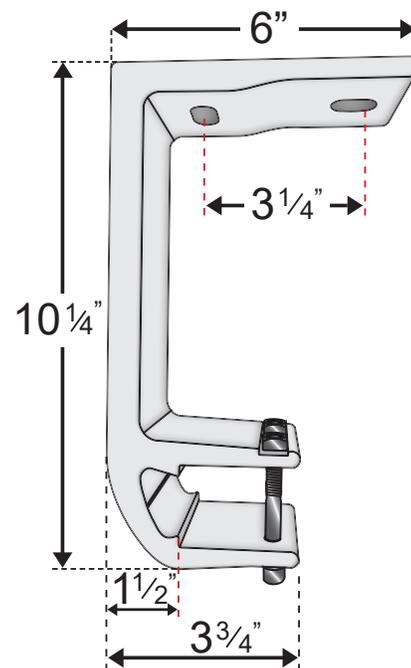
40 x 40mm EXTRUDED  
SOFFIT MOUNT BRACKET

- All Projections with Drop Shade
- All Formats
- All Options
- Available in:  
*White, Camel and Spartan Bronze*

Soffit Bracket - Top View



Soffit Bracket - Side View



**Rainier Awning Components**  
**Rainier Awning and Rainier Cross Arm**

**Available Colors: \* = select colors**  
 White(01), Camel(05), and Spartan Bronze(03)



**Rainier STD 40mm End Bracket \***  
 #P0144-0X  
 sold as each complete with hardware



**Rainier LL 40mm End Bracket \***  
 #P0173-0X  
 sold as each complete with hardware  
 \*For use on Rainier Lateral arms with center support



**Rainier STD Shroud\***  
 #A0062-0X  
 sold as each complete with hardware



**Rainier LL Shroud\***  
 #A0063-0X  
 sold as each complete with hardware  
 (Used with LL End Brackets on Rainier Lateral Arms with center support)



**Rainier Shoulder\***  
 #P0016-0X R  
 #P0016-0X L  
 sold as each, complete



**Rainier STD 40mm Wall Install Bracket \***  
 #P0147-0X  
 sold as each complete with hardware



**Rainier/Olympus Soffit Install Bracket**  
 #P0243-0X  
 sold as each complete with hardware



**Rainier 12" Roof Mount Bracket**  
 sold complete  
 Colors: White, Camel, Spartan Bronze and Onyx



**40mm Center Support\***  
 #P0023-0X  
 sold as each complete with hardware



**Torsion Bar End Caps 40mm\***  
 #P0074-0X  
 sold as each

**Rainier Awning Components**  
**Rainier Awning and Rainier Cross Arm**

**Available Colors: \* = select colors**  
 White(01), Camel(05), and Spartan Bronze(03)



**Rainier Wrist\***  
 #P0024-0X  
 sold as each  
 complete with hardware



**Rainier Front Bar\***  
 (0 - 15'8") #L0001-0X  
 (15'9" - 19'8") #L0002-0X  
 (19'9" - 23'8") #L0003-0X  
 sold by the foot



**Rainier Front Bar End Caps\***  
 #P0011-0X  
 sold as a pair



**Hood Bracket\***  
 #A0031-0X  
 sold as each  
 complete with hardware



**10.25 Hood Profile\***  
 (0 - 16'0") #L0019-0X  
 (16'1" - 24'1") #L0020-0X  
 sold by the foot



**Rainier Cross Arm Shoulder (left only)\***  
 #P0123-0X S  
 sold as each  
 complete with hardware



**Rainier Cross Arm Wrist\***  
 #P0123-0X W  
 sold as each  
 complete with hardware



**Hood Side Cover\***  
 #P0023-0X  
 sold as each  
 complete with hardware



**78mm Roller Tube**  
 (0' - 20') #L0007-00  
 (20'1" - 24') #L0008-00  
 (24'1" - 30') #L0009-00  
 sold by the foot



**70mm Roller Tube**  
 (0' - 20') #L0004-00  
 (20'1" - 24') #L0005-00  
 (24'1" - 30') #L0006-00  
 sold by the foot



**78mm Pivot Gudgeon**  
 #P0014-00  
 sold as each



**70mm Pivot Gudgeon**  
 #P0012-00  
 sold as each

**Rainier Awning Components**  
**Rainier Awning and Rainier Cross Arm**

**Available Colors: \* = select colors**  
 White(01), Camel(05), and Spartan Bronze(03)



**78mm Gear End Gudgeon**  
 #P0015-00  
 sold as each



**70mm Gear End Gudgeon**  
 #P0013-00  
 sold as each



**Rainier Arm Right\***  
 (5-0) #P0001-0X R  
 (7-4) #P0002-0X R  
 (9-0) #P0003-0X R  
 (10-6) #P0004-0X R  
 (11-6) #P0005-0X R  
 sold as each



**Rainier Arm Left\***  
 (5-0) #P0001-0X L  
 (7-4) #P0002-0X L  
 (9-0) #P0003-0X L  
 (10-6) #P0004-0X L  
 (11-6) #P0005-0X L  
 sold as each



**Torsion Bar 40mm\***  
 (0 - 20') #L0013-0X  
 (20'1" - 24') #L0014-0X  
 (24'1" - 30') #L0015-0X  
 sold by the foot



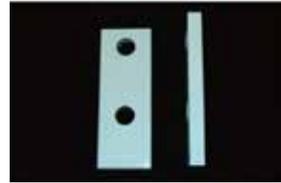
**10.25" Hood Splice Kit**  
 #P0314-0X  
 sold complete



**Rainier Front Bar Splice Kit**  
 #P0270-0X  
 sold complete



**12mm Pivot End Bushing**  
 #P0035-02  
 sold as each



**Build Out Plate for Install Bracket\***  
 0.50" Thickness  
 #P0135-0X  
 sold as each



**Ball Style Crank**  
 (4-7) #P0007-00  
 (5-11) #P0008-00  
 (7-3) #P0009-00  
 (9-10) #P0010-00



**Hook Style Crank**  
 (4-11) #P0017-01  
 (5-7) #P0018-01  
 (8-2) #P0019-01

**\*For other items not listed, please see Common Family Components.**

**Rainier Awning Components**  
**Rainier Awning and Rainier Cross Arm**

**Available Colors: \* = select colors**  
 White(01), Camel(05), and Spartan Bronze(03)



**Eye & Pin for 1:7 & 1:13 Gear**

#A0039-00

sold as each



**PVC Awning Spline**

#P0223-02

sold by the foot



**Touch-up Paint Stick\***

sold as each



**Touch-up Spray Can\***

sold as each



**7:1 Gear\***

#P0037-0X

sold as each



**13:1 Gear\***

#P0038-0X

sold as each



**1:3 Beveled Gear\***

#P0036-0X

sold as each



**100mm Standard Override Stem**

#P0031-00

sold as each



**Telis One Patio Transmitter**

#E1810643

sold as each



**Telis Four Patio Transmitter**

#E1810645

sold as each



**Decoflex RTS One Switch**

White #E1810897

Ivory #E1810898

sold as each



**Decoflex RTS Five Switch**

White #E1810813

Ivory #E1810814

sold as each



**Situo 1 Transmitter**

#1800128

sold as each



**Situo 5 Transmitter**

#1800139

sold as each

OPEN ROLLER OR STANDARD HOOD		
Projection	MINIMUM WIDTHS	
	Cross Arm	Standard
5'0"	4'0"	6'7"
7'4"	5'6"	9'1"
9'0"	6'6"	10'8"
10'6"	7'6"	12'4"
11'6"	8'0"	13'2"

STANDARD UNIT - ARMS BY PROJECTION		
Projection	Unit Width	# of Arms
5'0"	up to 20'0"	2
5'0"	20'0 1/8" to 40'0"	4
7'4"	up to 20'0"	2
7'4"	20'0 1/8" to 40'0"	4
9'0"	up to 20'0"	2
9'0"	20'0 1/8" to 23'0"	3
9'0"	23'0 1/8" to 40'0"	4
10'6"	up to 20'0"	2
10'6"	20'0 1/8" to 26'0"	3
10'6"	26'0 1/8" to 40'0"	4
11'6"	up to 19'0"	2
11'6"	19'0 1/8" to 30'0"	3
11'6"	30'0 1/8" to 40'0"	4

STANDARD UNIT - INSTALLATION BRACKET ASSIGNMENT				
Bracket Count	Projection			
	5'0" and 7'4"	9'0"	10'6"	11'6"
3	up to 12'11 7/8"	up to 12'11 7/8"	up to 12'11 7/8"	up to 10'11 7/8"
4	13' to 16' 11 7/8"	13' to 16' 11 7/8"	13' to 16' 11 7/8"	11' to 16' 11 7/8"
5	17' to 20'	17' to 20'	17' to 20'	17' to 19' 11 7/8"
6	N/A	N/A	20' 1/8" to 22'11 7/8"	20' 1/8" to 22'11 7/8"
7	N/A	N/A	23' to 30'11 7/8"	23' to 30'11 7/8"
8	20' 1/8" to 34'11 7/8"	20' 1/8" to 34'11 7/8"	27' to 34'11 7/8"	27' to 34'11 7/8"
9	35' to 36'11 7/8"			
10	37' to 40'	37' to 40'	37' to 40'	37' to 40'



# Rainier Model with Semi Cassette

## Product Reference Highlights

**Application:** Premium grade/residential use

**In Production Since:** 2003

**Standard Operation:** Sunea RTS Override motor or Altus Motor

**Optional Operation:** Gear and Crank

**Widths:** Up to 22'0" wide (in 1/4" increments)

**Projections:** 5'0" , 7'4" , 9'0" , 10'6" , 11'6"

**Optional Protective Hood:** Not applicable

**Hardware Color Options:** White, Camel, and Spartan Bronze

**Arm Tension System:** Exposed 9 cable ART belt system tested to 60,000 cycles

**Torsion Bar:** Cycles 40mm heavy duty aluminum torsion bar

**Mounting Options:** Wall, soffit/ceiling, and roof w/ 9" tall brackets

**Cross Arm Option:** Not available

**Drop Shade Option:** Not available

**Unique Features to other Rainier Units:** Lowest SC profile for roof mounting

**Frame Warranty\*:** 10 years

**Fabric Warranty\*:** 10 years

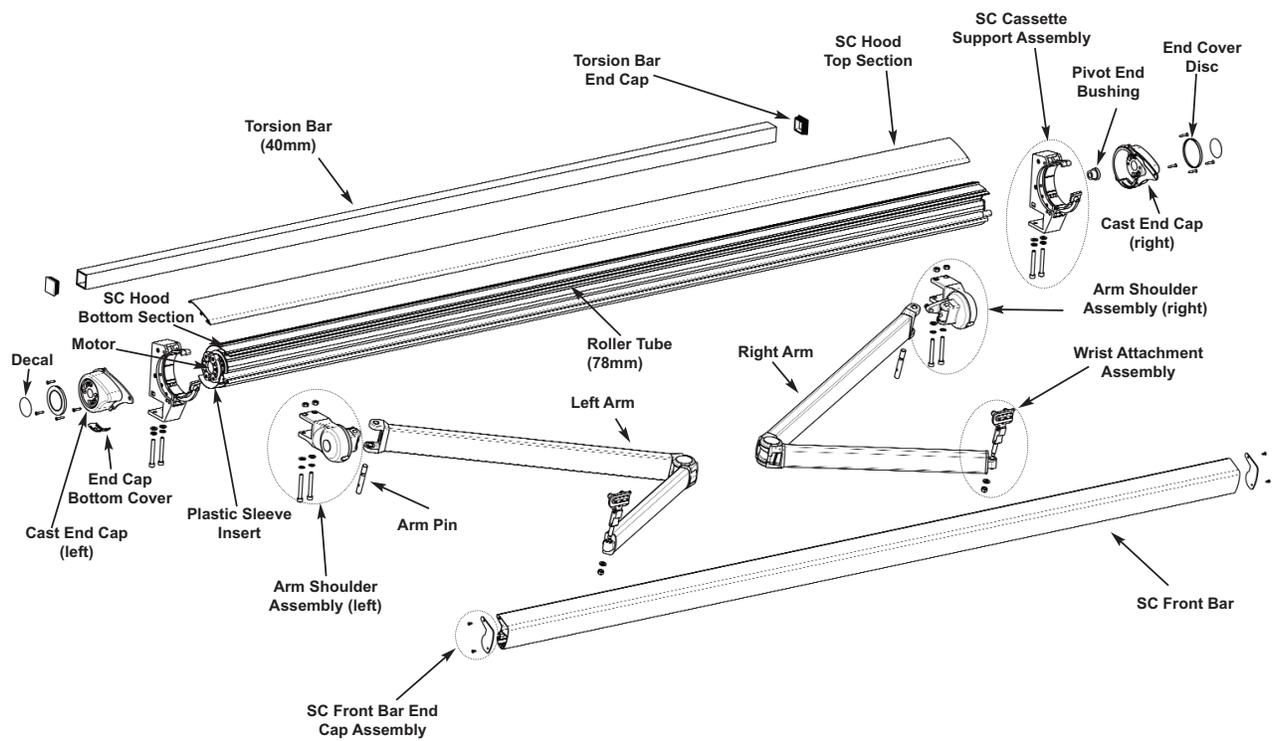
**Motor/Electronics Warranty\*:** 5 years

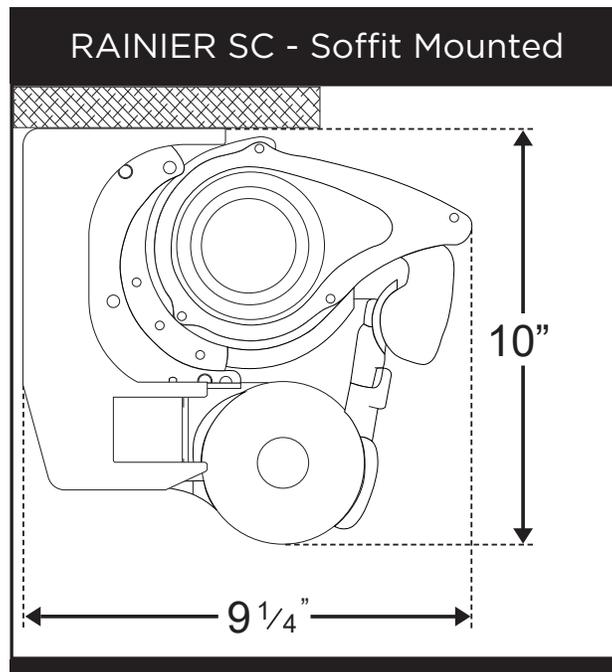
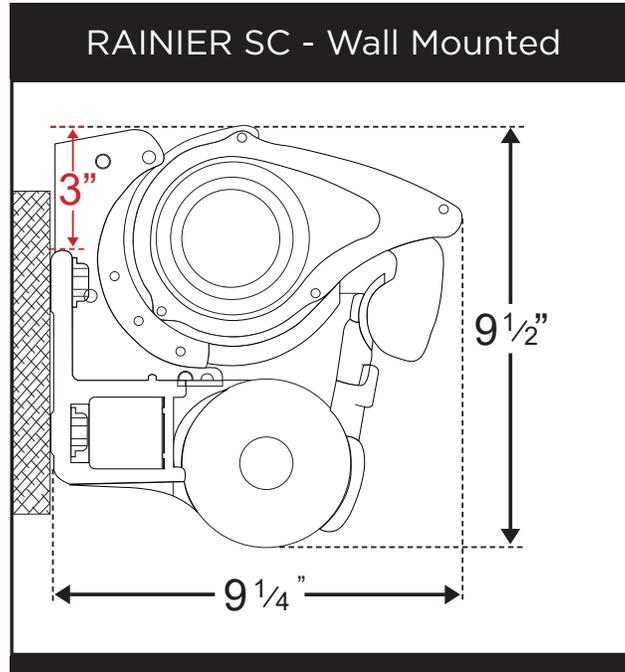
**Extended Warranty Options:**

*\*Non-prorated*



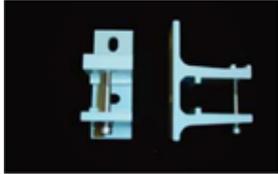
### Rainier Unit with Semi Cassette Option





### Rainier with Semi Cassette Awning Components

Available Colors: \* = select colors  
White(01), Camel(05), and Spartan Bronze(03)



#### Rainier STD 40mm Wall Install Bracket\*

#P0147-0X  
sold as each,  
complete with hardware



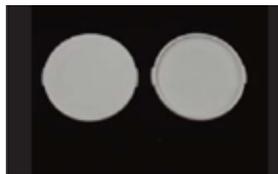
#### Rainier SC Cast End Bracket\*

#A0042-0X  
sold as each,  
complete with hardware



#### Rainier SC Cast End Bracket\*

sold as a pair



#### Rainier SC Cast End Bracket\*

Sp. Bronze #P0232-03  
White #P0232-01  
sold as a pair



#### Rainier Shoulder\*

#P0016-0X R  
#P0016-0X L  
sold as each,  
complete with hardware



#### Rainier SC Wrist\*

#P0233-0X  
sold as each,  
complete with hardware



#### Rainier SC Front Bar\*

#L0078-0X FB  
sold by the foot



#### Rainier SC Front Bar End Caps\*

#P0230-0X  
sold as a pair



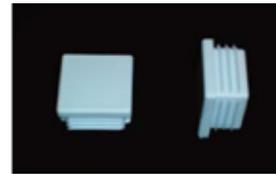
#### Rainier/Olympus Soffit Install Bracket\*

#P0243-0X  
sold as each,  
complete with hardware



#### Rainier SC Cassette Support\*

#P0231-0X  
sold as each,  
complete with hardware



#### Torsion Bar End Caps 40mm\*

#P0074-0X  
sold as each



#### Rainier SC Plastic Sleeve Insert\*

#L0079-01  
sold by the foot



#### Torsion Bar - 40mm\*

(0 - 20') #L0013-0X  
(21' - 24') #L0014-0X  
(24' - 30') #L0015-0X  
sold by the foot



#### Rainier 12" Roof Mount Bracket

sold complete

Colors: White, Camel, Spartan  
Bronze and Onyx



#### 12mm Pivot End Bushing

#P0035-02  
sold as each

SEMI CASSETTE ONLY	
PROJECTION	MINIMUM WIDTHS
6'7"	8'9"
8'2"	10'5"
10'6"	12'10"
11'6"	13'8"

SEMI CASSETTE - ARMS BY PROJECTION		
Projection	Unit Width	# of Arms
5'0"	up to 20'0"	2
5'0"	20'0 1/8" to 40'0"	4
7'4"	up to 20'0"	2
7'4"	20'0 1/8" to 22'0"	4
9'0"	up to 20'0"	2
9'0"	20'0 1/8" to 22'0"	3
10'6"	up to 20'0"	2
10'6"	20'0 1/8" to 22'0"	3
11'6"	up to 19'0"	2
11'6"	19'0 1/8" to 22'0"	3

SEMI CASSETTE - INSTALLATION BRACKET ASSIGNMENT				
Bracket Count	Projection			
	5'0" and 7'4"	9'0"	10'6"	11'6"
3	up to 12' 11 7/8"	up to 12' 11 7/8"	up to 12' 11 7/8"	up to 10' 11 7/8"
4	13' to 16' 11 7/8"	13' to 16' 11 7/8"	13' to 16' 11 7/8"	11' to 16' 11 7/8"
5	17' to 20'	17' to 20'	13' to 16' 11 7/8"	17' to 19' 11 7/8"
6	N/A	N/A	20' 1/8" to 22'0"	20' 1/8" to 22' 11 7/8"
7	N/A	N/A	N/A	N/A
8	20' 1/8" to 22'0"	20' 1/8" to 22'0"	N/A	N/A

► **What to Expect:** A pitch adjustment typically takes 10-15 minutes to complete and requires 2 people.

► **Tools Needed:**

- 7mm, 8mm, & 12mm Allen Wrenches/Sockets
- A Step Ladder
- Small Flat Blade Screwdriver
- Measuring Tape or a Level
- An Assistant

**Step #1** Fully extend the awning.

**\*Only exemption:**  
11'6" projection with Drop Shade  
(See Next Page)

**Step #2**

With a small flat blade screw driver, remove the decorative plastic caps on the front and side of the shoulders.



**Step #3** Partially loosen, but do not remove, the 12mm Allen locking bolt on the outside of the shoulder.



**Step #4** With an assistant lifting up on the arm to reduce tension, adjust the pitch by turning the 7mm or 8mm Allen front setting screw.

**To Raise Pitch:**  
Turn clockwise or tighten.



**To Lower Pitch:**  
Turn counterclockwise or loosen.



**\*Note** When the required level position has been achieved, raise the arm slightly to eliminate play in the internal mechanism.

**Step #5** Repeat the process on the other arm(s), using a level or tape measure to confirm a level unit.

**Step #6** Confirm the front bar is level. Use a level or measure both sides of the front bar to a flat, even surface.

**Step #7** When desired pitch is achieved, completely tighten ALL 12mm Allen locking bolts and replace the decorative caps.



# Rainier 11'6" Projection w/ Dropshade ONLY

## Pitch Adjustment Instructions

► **What to Expect:** A pitch adjustment typically takes 10-15 minutes to complete and requires 2 people.

- **Tools Needed:**
- 10mm Allen Key
  - A Step Ladder
  - 22mm Box Wrench
  - Measuring Tape or a Level
  - An Assistant

**Step #1** Fully extend the awning.

**Step #2**

Remove the decorative plastic cap from the side of the shoulder, covering the 22mm bolt.



**Step #3**

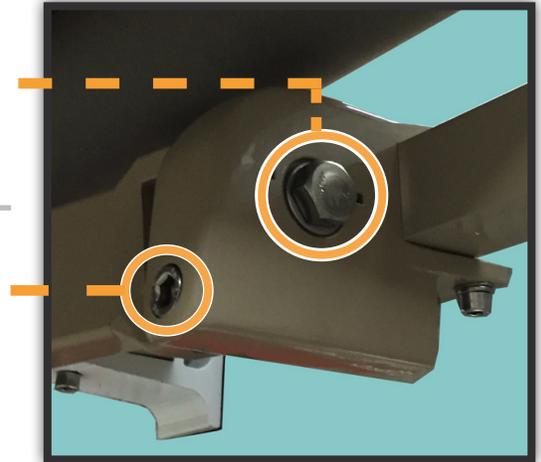
Partially loosen (DO NOT REMOVE) the 22mm side locking bolt on the side of the shoulder.

**Step #4**

With an assistant lifting up on the arm to take the load off the pitch bolt, use a 10mm Allen key to turn front setting screw.

**To Raise Pitch:** Turn the 10mm setting screw **Clockwise**.

**To Lower Pitch:** Turn the 10mm setting screw **Counterclockwise**.



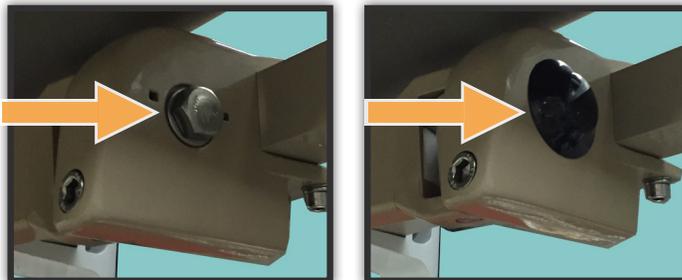
**\*Note** Pitch should be adjusted from higher to lower front bar position. When the required level position has been achieved, raise the arm slightly to eliminate play in the internal mechanism and to prevent the arms from losing their level position in the future.

**Step #5**

Repeat the process on the other arm(s), using a level or tape measure to confirm a level unit.

**Step #6**

When desired pitch is achieved, completely tighten the 22mm side locking bolt and replace the decorative cap.



**Questions: 845-692-7070**  
**M-F (8am - 5pm EST)**  
**After Hours / Tech Support: 845-645-6995**

### 5-0 Projection

0'11" Drop

4'10" Coverage



### 7-4 Projection

1'5" Drop

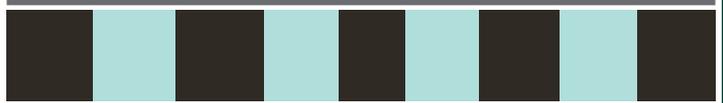
7'1" Coverage

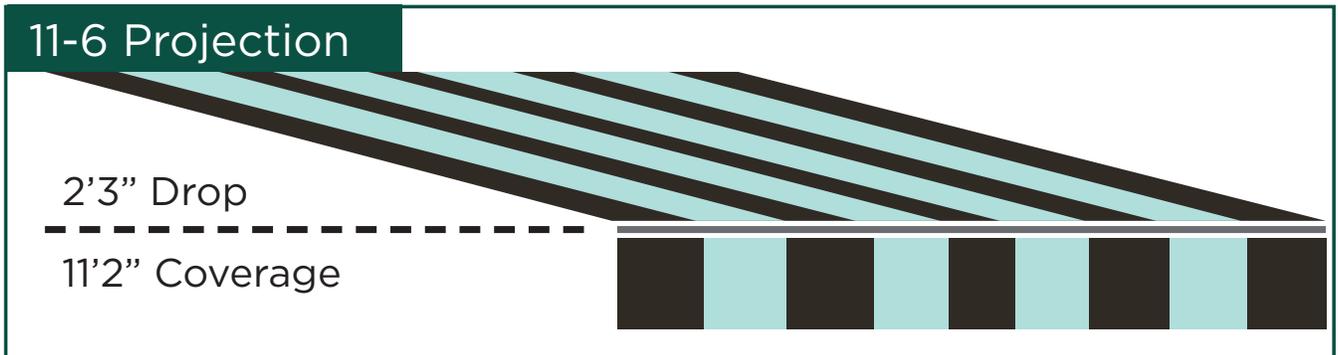
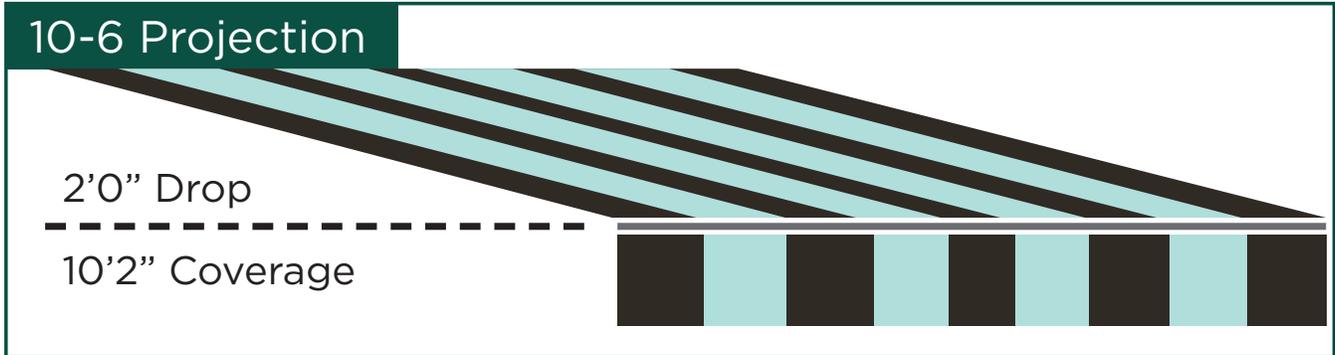


### 9-0 Projection

1'9" Drop

8'9" Coverage







If you change the pitch on this Rainier awning, you will need to **READJUST** the Center Support. By not following these instructions you may cause untimely damage to the fabric cover. Damage caused by a Center Support is **NOT** covered by the Rainier warranty.

\*First adjust the unit's arms and level the front bar to the desired height.

\*Make sure the Center Support is centered on a fabric seam - **DO NOT** shift the Center Support away from a fabric seam.

### Adjusting the Center Support:

#### Step #1

Extend the awning half way.

#### Step #2

Slightly loosen the six, 4mm Allen screws (three on each side) that lock the black PVC cradle in place.

#### Step #3

Rotate the PVC cradle so that the fabric is rolling out directly from the center of the opening.

#### Step #4

Retighten all six, 4mm Allen screws.

#### Step #5

Roll the unit all the way in and extend fully to make sure the fabric is not coming in contact with the cradle.

