



Summit

Product Reference Guide

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

Version 5.25

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Application: Heavy duty/Commercial grade

In Production Since: 2003

Operation: RTS Override motor, manual, and other motors optional

Widths: Up to 40'0" wide (in 1/4" increments)

Projections: 14'9" , 16'6"

Optional Protective Hood: Yes, for wall and roof applications

Hardware Color Options: White, Camel, Spartan Bronze & Onyx

Arm Tension System: Exposed 11 cable ART belt system tested to 60,000 cycles

Torsion Bar: 50mm steel, optional aluminum upgrade

Mounting Options: Wall, soffit/ceiling, and roof w/ 12" tall brackets

Cross Arm Option: Not Available

Drop Shade Option: Up to 22'0" wide x 16'6" projection

Unique Features to other Rainier Units: 16'6" projection w/drop shade, aluminum torsion bar

Frame Warranty*: Lifetime

Fabric Warranty*: 12 years

Motor/Electronics Warranty*: 8 years

Extended Warranty Options:

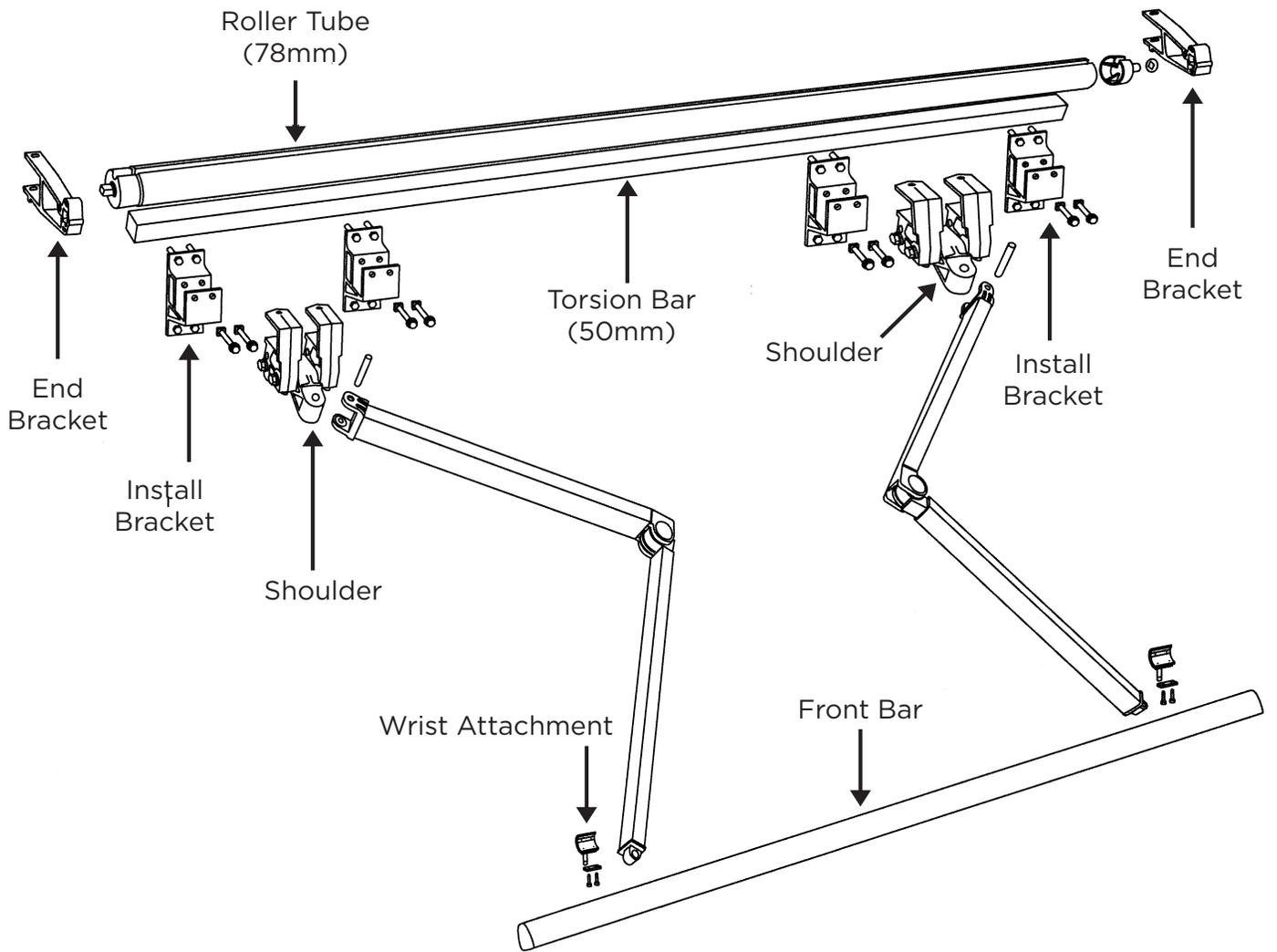


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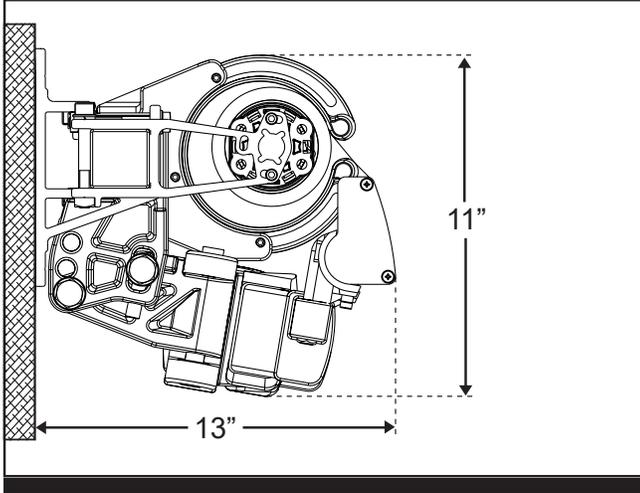
**Non-prorated*



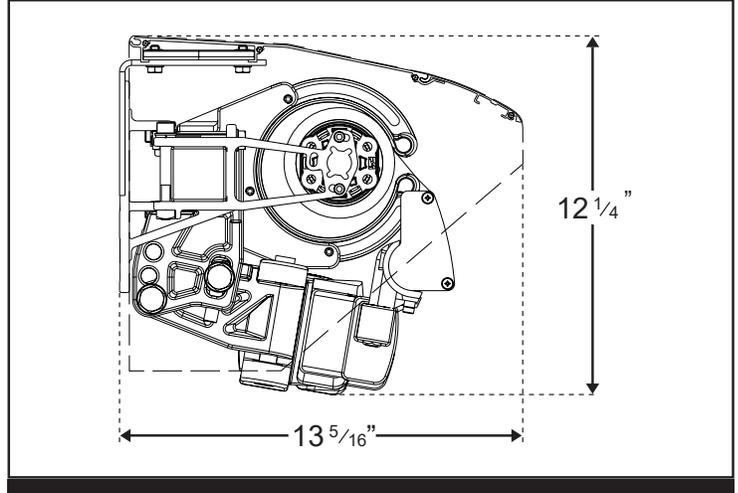
*Optional Hood
Not Shown Here



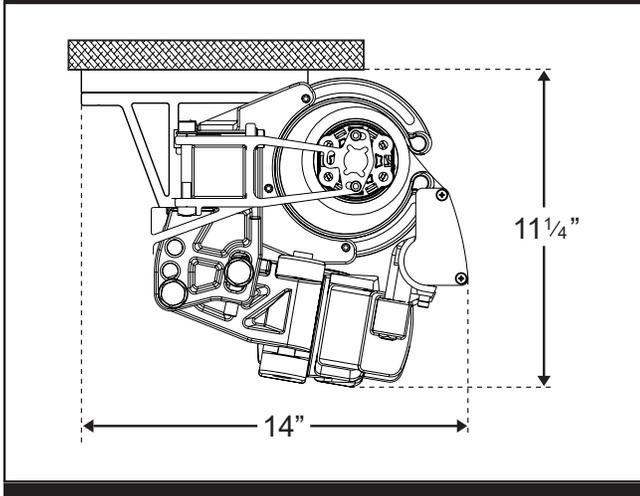
SUMMIT - Wall Mount (without hood)



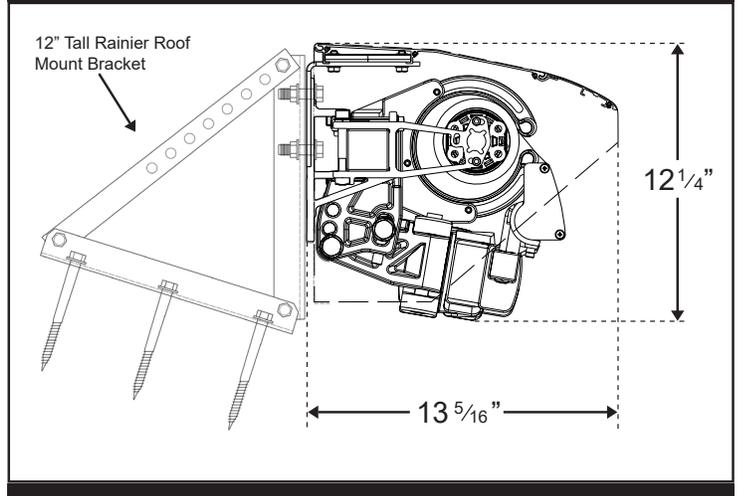
SUMMIT - Wall Mount (with hood)



SUMMIT - Soffit Mount
(no hood option available)



SUMMIT - Roof Mount
(with 12" roof brackets & hood)

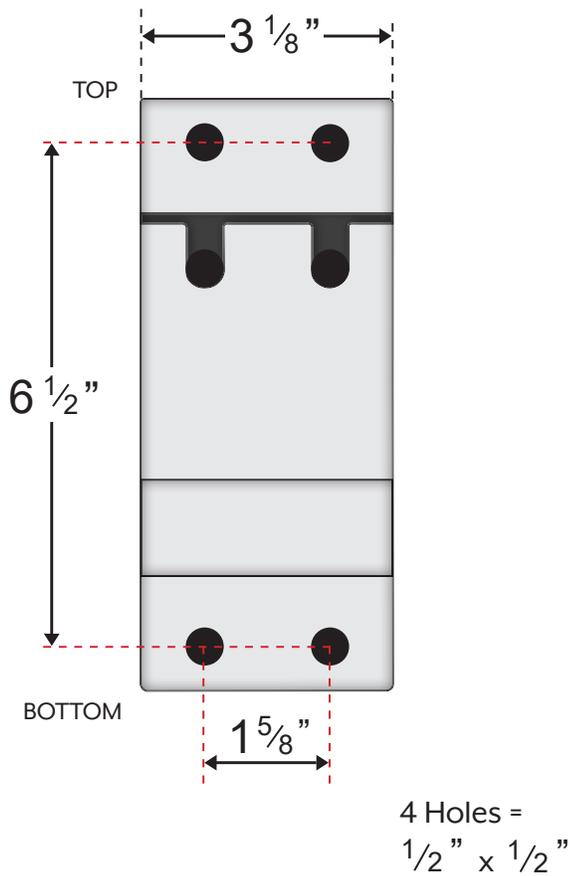


50 x 50mm
WALL/SOFFIT BRACKET

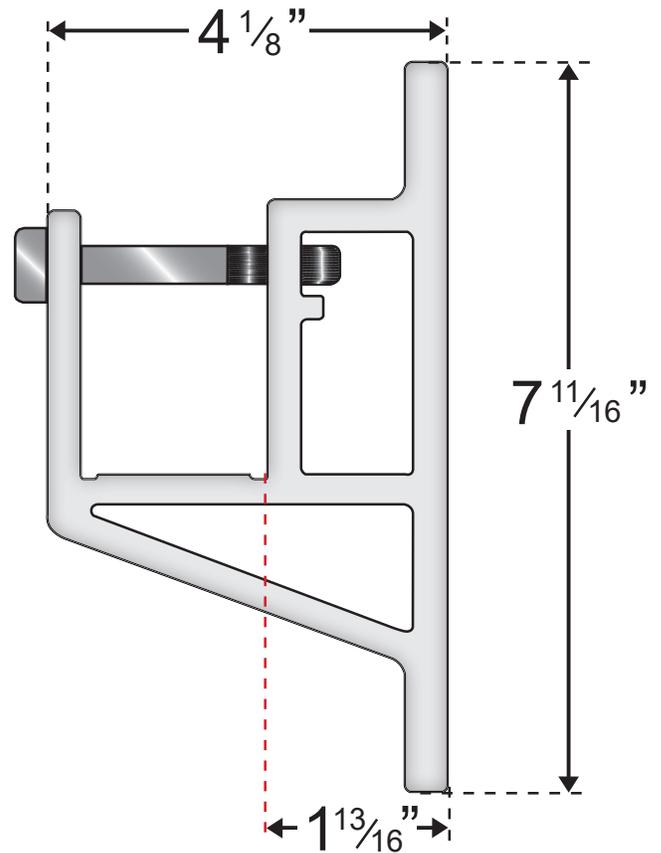
**Must use a header board
for this install bracket*

- Summit Bracket:
14'9" and 16'6"
- Available in:
White, Camel, Spartan Bronze & Onyx

Wall and Soffit Bracket - Front View



Wall and Soffit Bracket - Side View



Summit: 14-9 Projection

2 arms	3 arms	4 arms
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Unit Width	Install Bracket Count	Hood Bracket Count	Center Support Count
up to 20'0"	4	4	N/A
20'0"1/8 to 20'11"7/8	5	4	1
21'0" to 21'11"7/8	7	5	1
22'0" to 22'11"7/8	7	5	1
23'0" to 23'11"7/8	7	5	2
24'0" to 24'11"7/8	7	5	2
25'0" to 25'11"7/8	7	5	2
26'0" to 26'11"7/8	7	6	2
27'0" to 27'11"7/8	7	6	2
28'0" to 28'11"7/8	7	6	2
29'0" to 29'11"7/8	7	6	2
30'0" to 30'11"7/8	7	6	2
31'0" to 31'11"7/8	7	7	2
32'0" to 32'11"7/8	7	7	2
33'0" to 33'11"7/8	7	7	2
34'0" to 34'11"7/8	9	7	2
35'0" to 35'11"7/8	9	7	2
36'0" to 36'11"7/8	9	8	2
37'0" to 37'11"7/8	11	8	3
38'0" to 38'11"7/8	11	8	3
39'0" to 39'11"7/8	11	8	3
40'0"+	11	8	3

Product Notes:

First center support starts at 20-0 1/8
 Second center support starts at 22-0 1/8
 Third center support starts at 37-0 1/4

2 arms: 16'5 1/2" to 28'11 7/8"
 3 arms: 29'0" to 38'11 7/8"
 4 arms: 39'0" to 40'0"

ALERT INSTALLATION

When installing the Summit, the following is REQUIRED for proper installation:

A 2x10" or 2x12" header board must be installed to the building or directly to the Roof Mount brackets before the 4 bolt installation brackets are attached to the header board "book ending" each shoulder 12" on either side.

Any installation of any Summit without the use of a header board voids the Manufacturer's Warranty.

*Without Hood **With Hood

Summit: 16-6 Projection

2 arms	3 arms	4 arms - NONE
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Unit Width	Install Bracket Count	Hood Bracket Count	Center Support Count
up to 20'0"	4	4	N/A
20'0" 1/8 to 20'11" 7/8	5	4	1
21'0" to 21'11" 7/8	5	5	1
22'0" to 22'11" 7/8	7	5	1
23'0" to 23'11" 7/8	7	5	2
24'0" to 24'11" 7/8	7	5	2
25'0" to 25'11" 7/8	7	5	2
26'0" to 26'11" 7/8	7	6	2
27'0" to 27'11" 7/8	7	6	2
28'0" to 28'11" 7/8	7	6	2
29'0" to 29'11" 7/8	7	6	2
30'0" to 30'11" 7/8	9	6	2
31'0" to 31'11" 7/8	9	7	2
32'0" to 32'11" 7/8	9	7	2
33'0" to 33'11" 7/8	9	7	2
34'0" to 34'11" 7/8	9	7	2
35'0" to 35'11" 7/8	9	7	2
36'0" to 36'11" 7/8	13	8	2
37'0" to 37'11" 7/8	13	8	3
38'0" to 38'11" 7/8	13	8	3
39'0" to 39'11" 7/8	13	8	3
40'0"+	13	8	3

Product Notes:

First center support starts at 20-0 1/8
 Second center support starts at 22-0 1/8
 Third center support starts at 37-0 1/4

2 arms: 18'11/2" to 30'11/8"
 3 arms: 31'0" to 40'0"
 4 arms: N/A

ALERT INSTALLATION

When installing the Summit, the following is REQUIRED for proper installation:

A 2x10" or 2x12" header board must be installed to the building or directly to the Roof Mount brackets before the 4 bolt installation brackets are attached to the header board "book ending" each shoulder 12" on either side.

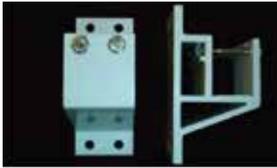
Any installation of any Summit without the use of a header board voids the Manufacturer's Warranty.

*Without Hood **With Hood

Summit Awning Components

Available Colors: * = select colors

White(01), Camel(05), Spartan Bronze(03) & Onyx (09)



Summit Wall/Soffit Install Bracket*

#P0266-0X
sold as each
complete with hardware



Summit End Bracket*

#P0268-0X
sold as a pair
complete with hardware



Summit 14'9" & 16'6" Shoulder*

#P0274-0X
sold as each
complete with hardware



Summit 14'9" & 16'6" Wrist*

#P0276-0X
sold as each
complete with hardware



Summit Front Bar*

#L0091-0X
sold by the foot



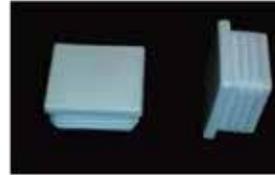
Summit Front Bar End Caps*

#P0269-0X
sold as a pair



Summit Center Support*

#P0267-0X
sold as each
complete with hardware



Summit Torsion Bar End Caps 50mm*

#P0261-0X
sold as each
complete with hardware



Summit Hood Side Cover*

#A0048-0X
sold as each
complete with hardware



Summit Hood Bracket*

#P0271-0X
sold as each
complete with hardware



10.25" Hood REAR Profile*

(0 to 16'0") #L0019-0X
(16'1" to 24'1") #L0020-0X
sold by the foot



4" Hood FRONT Profile*

#L0090-0X
sold by the foot



Summit Front Drop Shade Wrist*

#P0134-0X
sold as each
complete with hardware



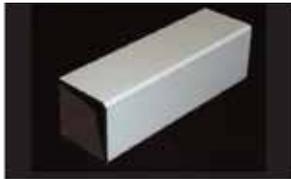
Summit Front Bar Catch Pin*

#P0120-0X
sold as each
complete with hardware

Summit Awning Components

Available Colors: * = select colors

White(01), Camel(05), Spartan Bronze(03) & Onyx (09)



50mm Torsion Bar*
Steel #L0046-0X
Aluminum #L0045-0X
sold by the foot



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



78mm Pivot Gudgeon
#P0014-00
sold as each



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



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



Summit Arm - Right*
14-9 #P0264-0X R
16-6 #P0265-0X R
sold as each



Situo 1 Pure II Transmitter
#E1870571
sold as each



Situo 5 Pure II Transmitter
#E1870575
sold as each



Summit Front Section Hood Splice/Clamp Kit*
sold complete, each



Summit Back Section Hood (10.25) Splice Kit
#P0314-0X
sold complete, each



Summit Front Bar Splice Kit
#P0277-0X
sold complete



Summit 12" Roof Mount Bracket
White, Camel, Spartan Bronze and Onyx
sold complete (does not include the wall bracket shown) Colors: Raw or Bronze



0.75" Build Out Plate for Install Bracket*
#P0260-00
sold as each



Summit Arm - Left*
14-9 #P0264-0X L
16-6 #P0265-0X L
sold as each



Touch-up Paint Stick*
sold as each



Touch-up Spray Can*
sold as each

► **What to Expect:** A minor pitch adjustment typically takes around 20 minutes to perform and requires an assistant.

► **Tools Needed:**

- 6mm Allen Wrench/Socket
- A Step Ladder
- (Two) 22mm Sockets/Wrenches
- An Assistant
- Measuring Tape or a Level

Step #1 Extend the Summit awning fully.

Step #2 Loosen both 22mm nuts on the inside of the shoulder several turns. Repeat on other shoulders.



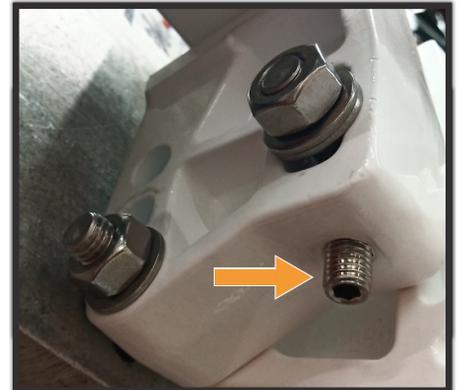
Step #3a Depending on the adjustment needed, loosen or tighten the two 6mm Allen pitch adjustment screws on all shoulders.

Step #3b When adjusting the 6mm screws, raise the front bar slightly to remove pressure from the screws.

Step #3c To Raise Pitch: Turn the 6mm Allens Clockwise.

Step #3d To Lower Pitch: Turn the 6mm Allens Counterclockwise.

***Note** Both 6mm Allen screws need to be adjusted equally.
*If desired pitch cannot be achieved, please view our Summit Major Pitch Adjustment video.



Step #4 When adjustments are complete, retighten the two 22mm nuts on all the shoulders.



Step #5 Confirm the front bar is level. Use a level or measure both sides of the front bar to a flat, even surface.

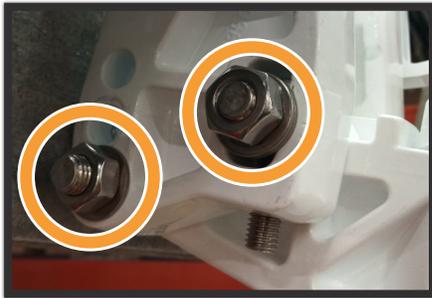
► **What to Expect:** A major pitch adjustment typically takes around 30 minutes to perform and requires an assistant.

► **Tools Needed:**

- 6mm Allen Wrench/Socket
- A Step Ladder
- (Two) 22mm Sockets/Wrenches
- An Assistant
- Measuring Tape or a Level

Step #1 Extend the Summit awning fully.

Step #2 Loosen both 22mm nuts on the inside of the shoulder several turns.



Step #3a Loosen both pitch 6mm Allen adjustment screws all the way down.

Step #3b When adjusting the 6mm screws, raise the front bar slightly to remove pressure from the screws.



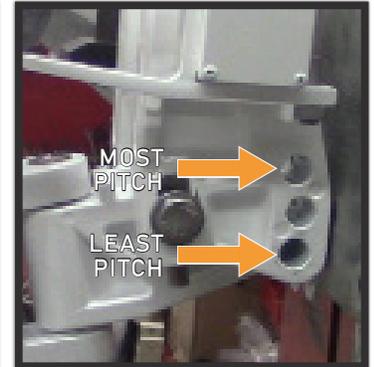
Step #4 With an assistant lifting the front bar, remove the back 22mm bolt from the shoulder.

Step #5a Depending on the pitch required, replace the 22mm bolt into one of the three openings.

Step #5b **To Raise Pitch:** place the bolt in a lower slot.
To Lower Pitch: place the bolt in a higher slot.

Step #6a Hand tighten the nut on the bolt.

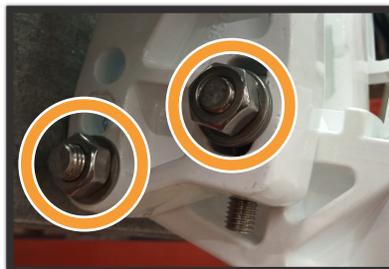
Step #6b IMPORTANT: Repeat this process on the other shoulders before final pitch adjustments.



Step #7 Roll the awning out fully and with a level or a ruler, determine the desired pitch. Adjust both 6mm Allen screws in each shoulder to achieve correct pitch.

***Note** Both 6mm Allen screws need to be adjusted equally.

Step #8 When adjustments are complete, retighten the two 22mm nuts on all shoulders.



Step #9 Confirm the front bar is level. Use a level or measure both sides of the front bar to a flat, even surface.

► **What to Expect:** An arm replacement typically takes around 30 minutes to complete and requires 2 people.
**Retractable awning arms are spring loaded and can cause serious injury, exercise extreme caution. Always properly secure all awning arms with straps or rope during service work.*

- **Tools Needed:**
- 4mm Allen Wrenches/sockets
 - (TWO) 22mm Socket/Wrenches
 - 17mm Socket/Wrench
 - An Assistant
 - Rope/Straps to Secure Arms
 - Rubber Mallet

- Step #1** With the awning fully retracted, Secure together the front and back half of all arms.
- Step #2** Secure all arms to the torsion bar.
- Step #3** Extend the awning one full rotation of the roller tube. This ensures that the arms are properly secured.
- Step #4** Unsecure the arm you are replacing from the torsion bar.

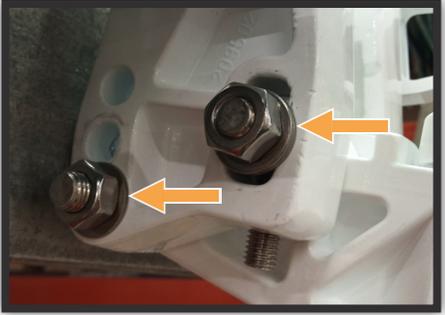
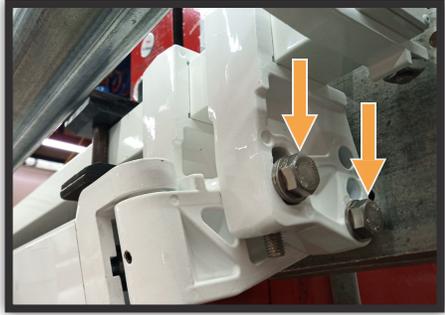
Step #5 Remove the 17mm nut that connects the front of the arm to the wrist on the back of the front bar.



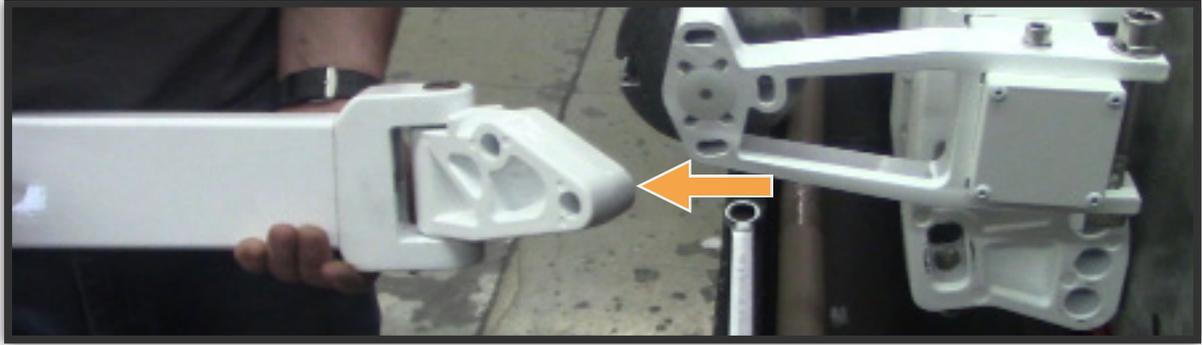
Step #6 Disconnect the front of the arm from the wrist.



Step #7 With an assistant supporting the arm, remove both 22mm bolts and washers from the shoulder.

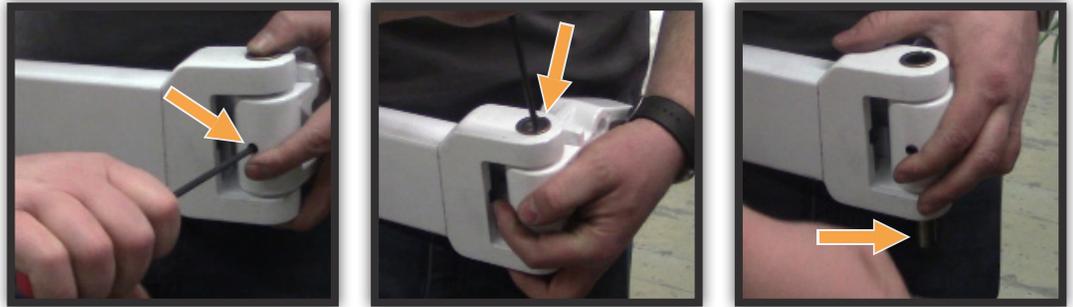


Step #8 Remove the arm with shoulder center attached.



Step #9

Loosen the 4mm Allen set screw and remove the pin.



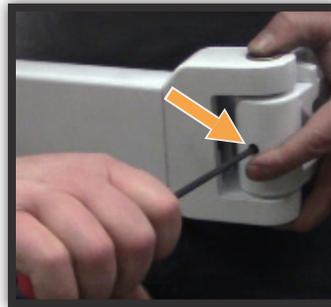
Step #10

Attach the shoulder center to the new arm with the groove facing up.

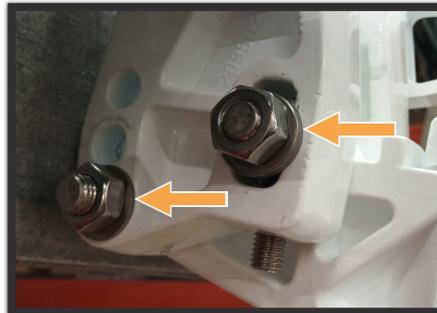
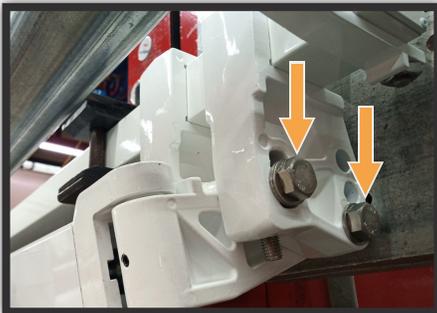


Step #11

Reinsert the stainless pin and tighten the 4mm Allen set screw.



Step #12 Replace and tighten both 22mm nuts and bolts. Use a rubber mallet if needed.



***Note**

Replace the nut with two washers on the outer bolt.

***Note**

Replace the nut with a single washer on the inner bolt.

Step #13

Reattach the front of the arm to the wrist and replace and tighten the 17mm nut.



Step #14

Untie all arms and test the unit.

► **What to Expect:** A motor replacement typically takes about 30 minutes to perform. The following steps assume that you have 3' or more clearance on the motor side to slide the motor out without needing to take down the awning.

► **Tools Needed:**

- 3mm, 5mm, & 8mm Allen Wrenches/Sockets
- An Assistant
- 10mm Socket/Wrench
- Rubber Mallet
- A Small Screwdriver
- A Step Ladder
- #4 Washer
- Rope/Straps to Secure Arms

Step #1 Fully retract the awning.

Step #2 Secure together the front and back half of all arms and secure both arms to the torsion bar.

Step #3 Extend the awning one full rotation of the roller tube. This ensures that the arms are properly secured.

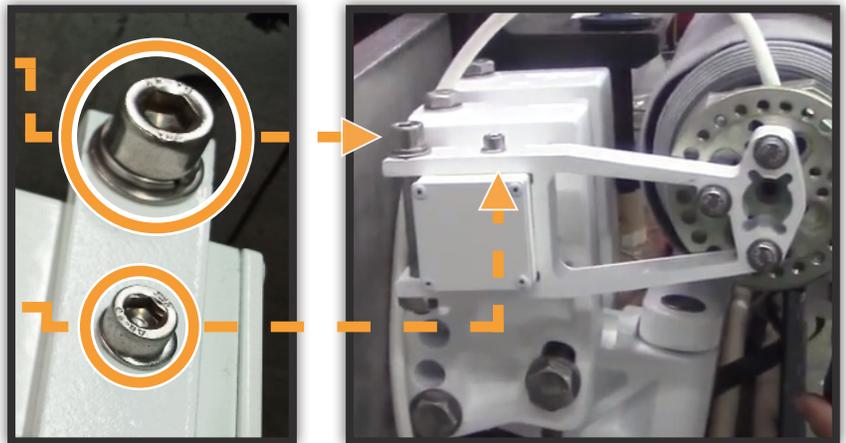
Step #4 Unplug the motor. If equipped with a fast connect, unscrew the connection.

Step #5 If the unit has a hood, remove the hood side cover on the motor side.

Step #6a Loosen but do not remove the 8mm Allen on the back side of the motor end bracket.

Step #6b Remove the 5mm Allen bolt that secures the bracket to the torsion bar.

The plan is to pull the end bracket straight off the torsion bar with the motor still attached.



Step #7a Pull the end bracket with the motor attached. A rubber mallet may be required to tap the bracket loose.

Step #7b The motor, crown, and drive wheel will slide out of the roller tube. The motor may be up to 3' long.

***Note** To be safe, perform steps 8 through 11 from the ground.

Step #8a Remove the two 5mm Allen set screws from the motor side, this will free the motor from the bracket and plate.

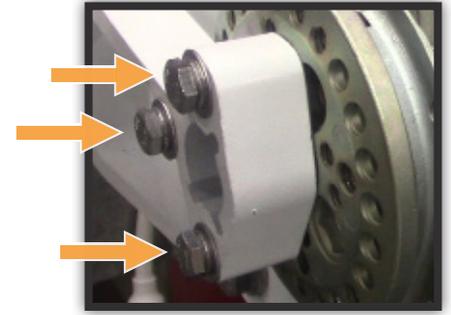


Step #8b The motor plate will stay attached to the bracket.



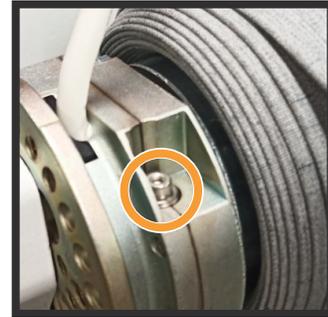
Step #8c

*Note: In the event that you need to replace the mounting plate on the motor, remove all three 10mm bolts and washers on the end bracket to gain access to the plate.



Step #8d

(If Equipped) Remove the manual override stem, #4 washer, and the 3mm Allen set screw.



Step #9

Remove the black plastic motor crown and drive wheel from the old motor by lightly prying with a small screwdriver.



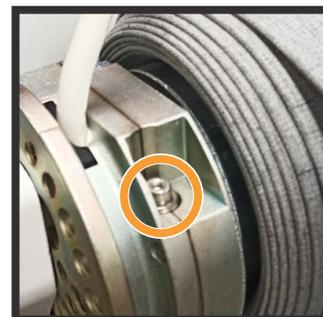
Step #10a

Add the motor crown drive wheel to the new motor.



Step #10b

(If Equipped) Replace the manual override stem on the new motor along with the #4 washer, and tighten the 3mm Allen.

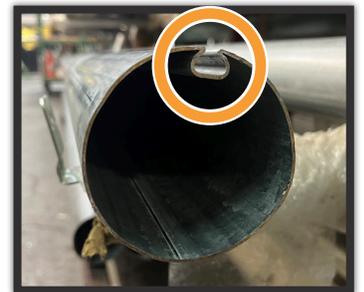


Step #11 Attach the new motor to the motor plate and bracket by replacing the two 5mm Allen set screws.



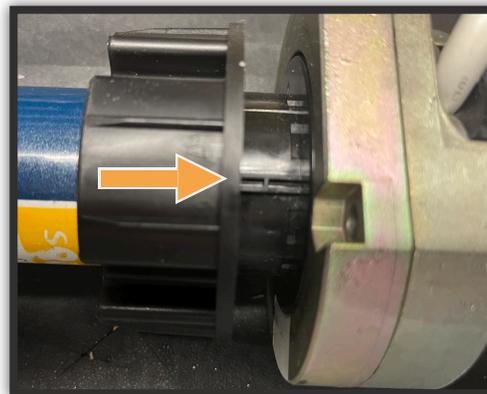
Step #12

Install the new motor with the groove on the motor crown lining up with the fabric slot of the roller tube.



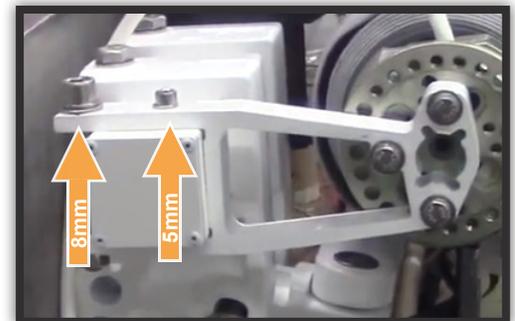
Step #13

Align the plastic drive with the motor notch as shown.



Step #14 Tap the bracket near the torsion bar until aligned properly. Do not to over tighten so that the roller tube has difficulty turning freely.

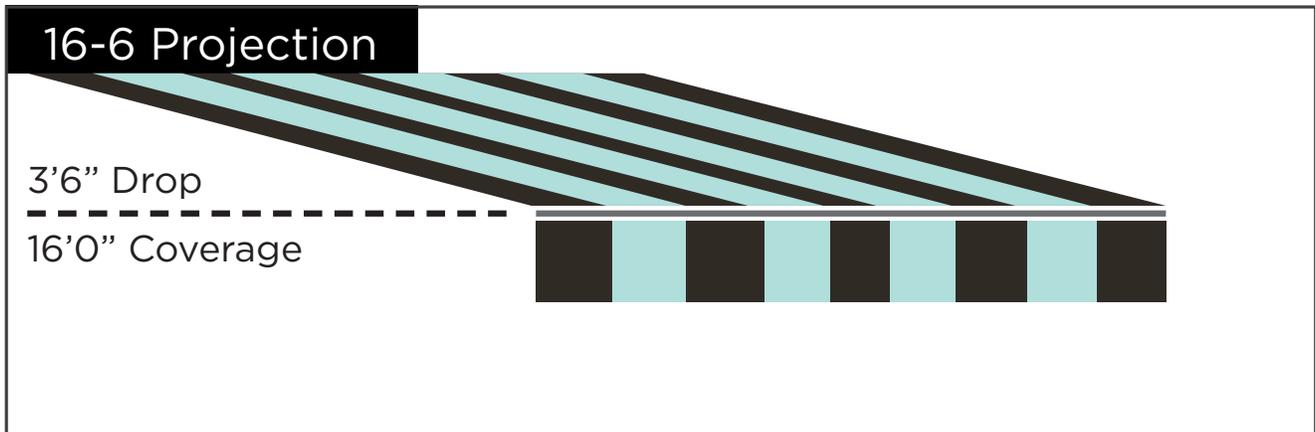
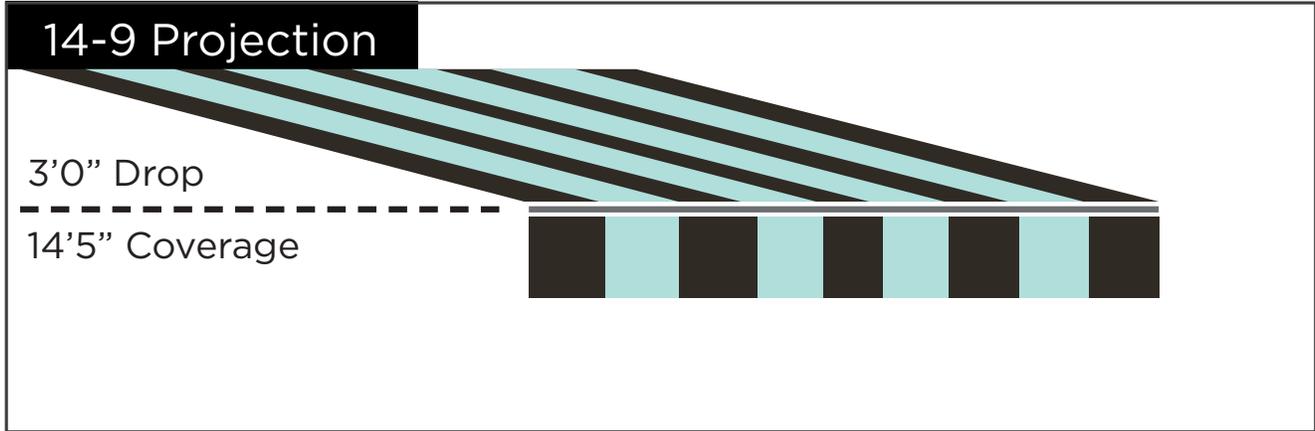
Step #15 Replace and tighten the 5mm Allen and fully tighten the 8mm Allen on the motor end bracket.



Step #16 Replace the awning hood side cover if one was removed.

Step #17 Plug in the new motor or reattach the fast connect.

Step #18 Untie all arms and program the new motor.





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.

