

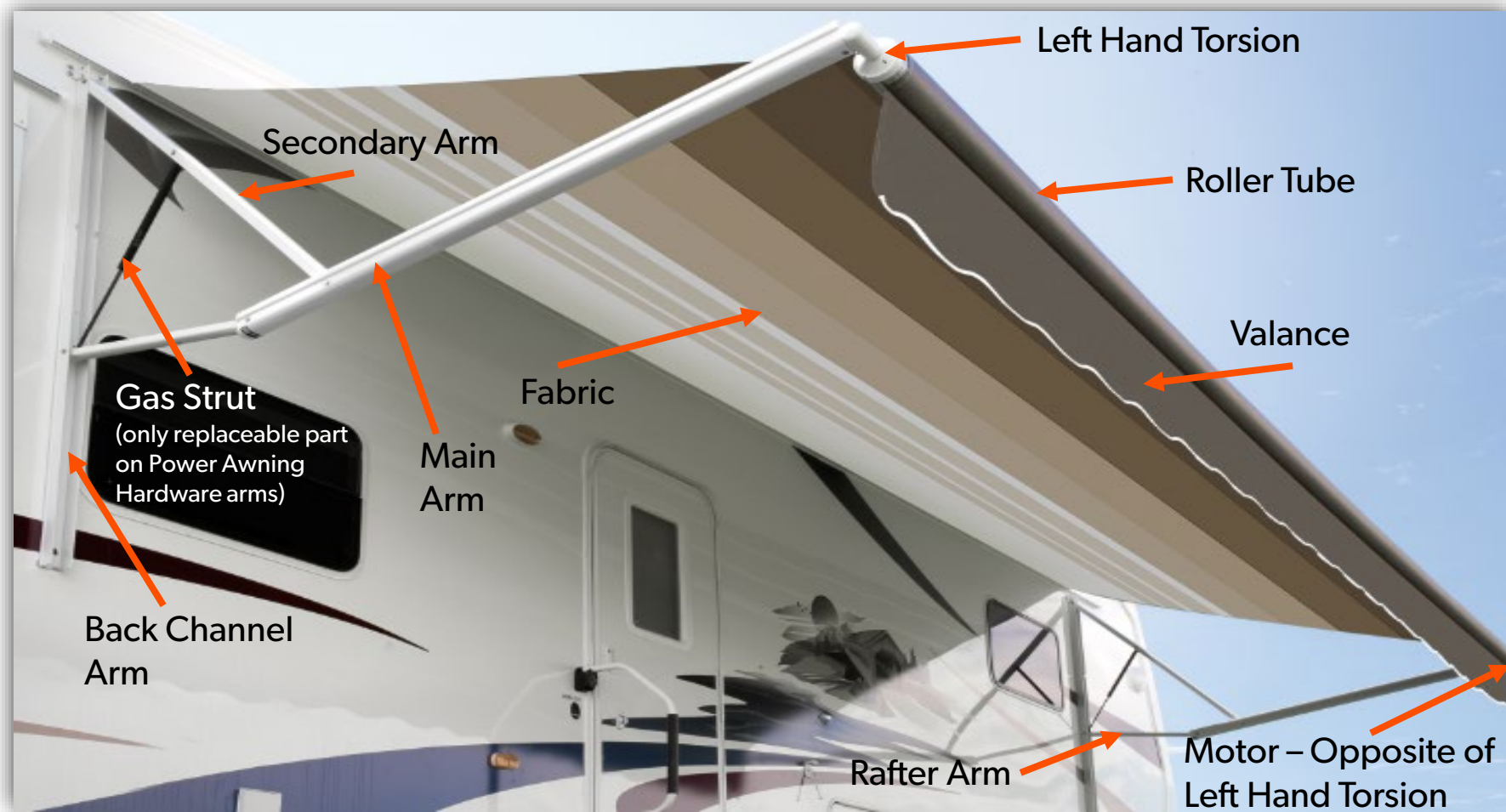
DOMETIC Awnings

- WeatherPro
- 9100 Power Awning
 - Power Awning Pro
 - 9500 Case Awning
- G-Series Geared Awning
 - Oasis Door Awning
 - Slide Toppers

Mobile living made easy.



Power Awning Parts Description



FRTA – Fabric, Roller, Torsion, Assembly (includes; Fabric, Roller Tube, LH Torsion, & RH Motor)

Hardware – Arms consist of; Back Channel Arm, Main Arm, Secondary Arm, Rafter, & Gas Strut)

Application

1) Measure distance from rail to top of door.

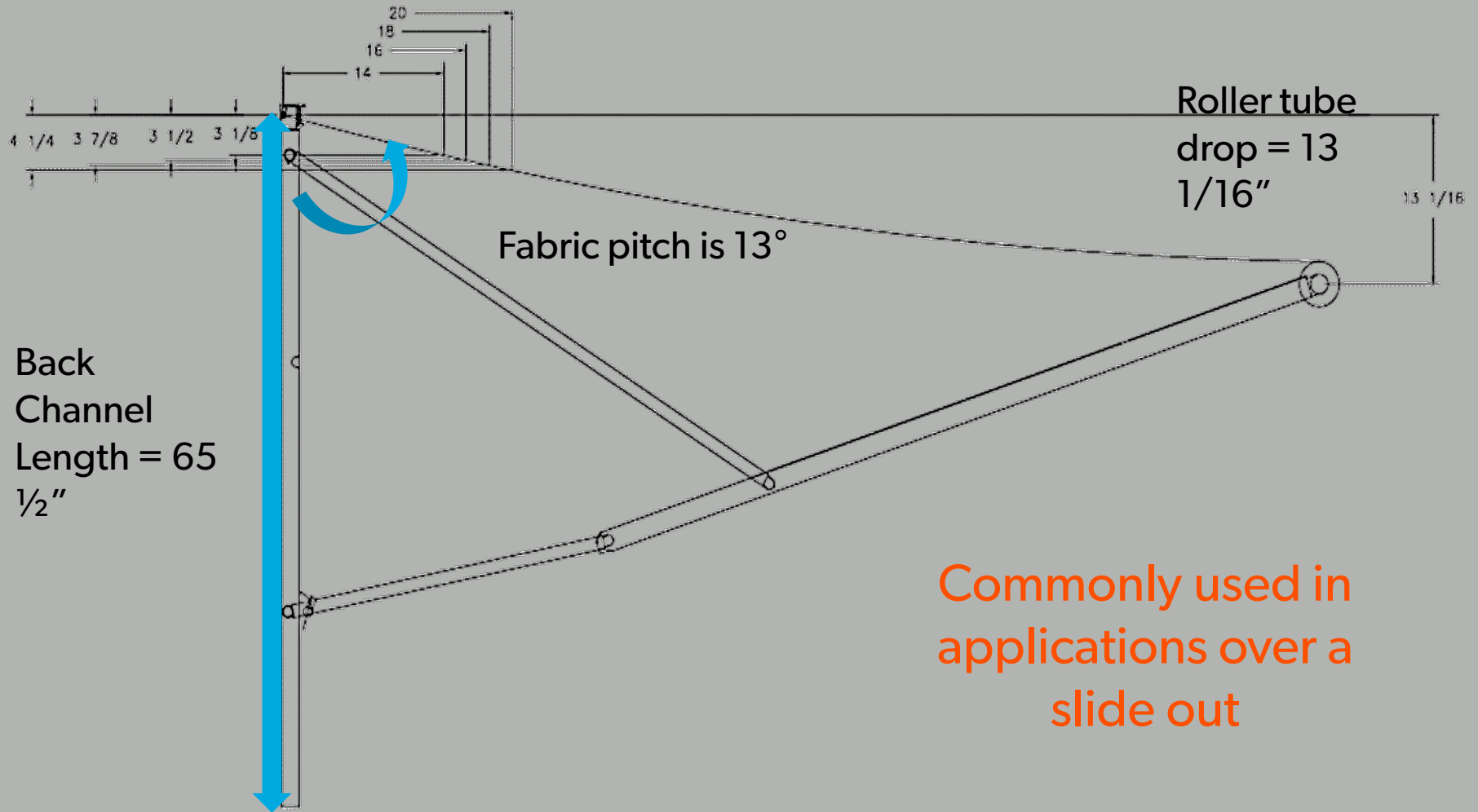
Installation of Power awning **requires a minimum of 7"** from door to awning rail.

Between **7"** and **12"** install **Standard** hardware
12" and greater install **Basement** hardware

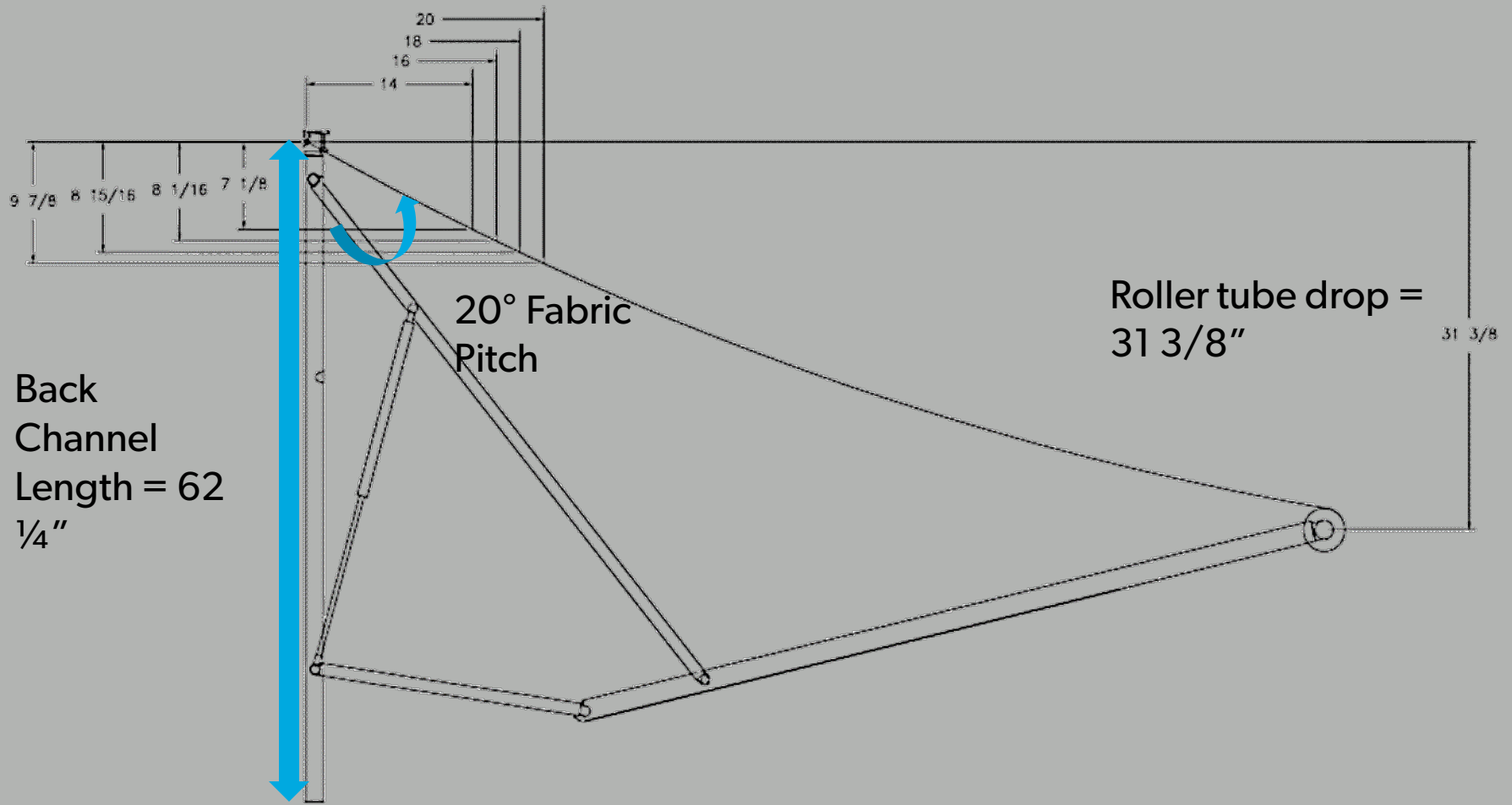
2) Measure distance from rail to floor line of coach.



Standard Hardware



Basement Hardware



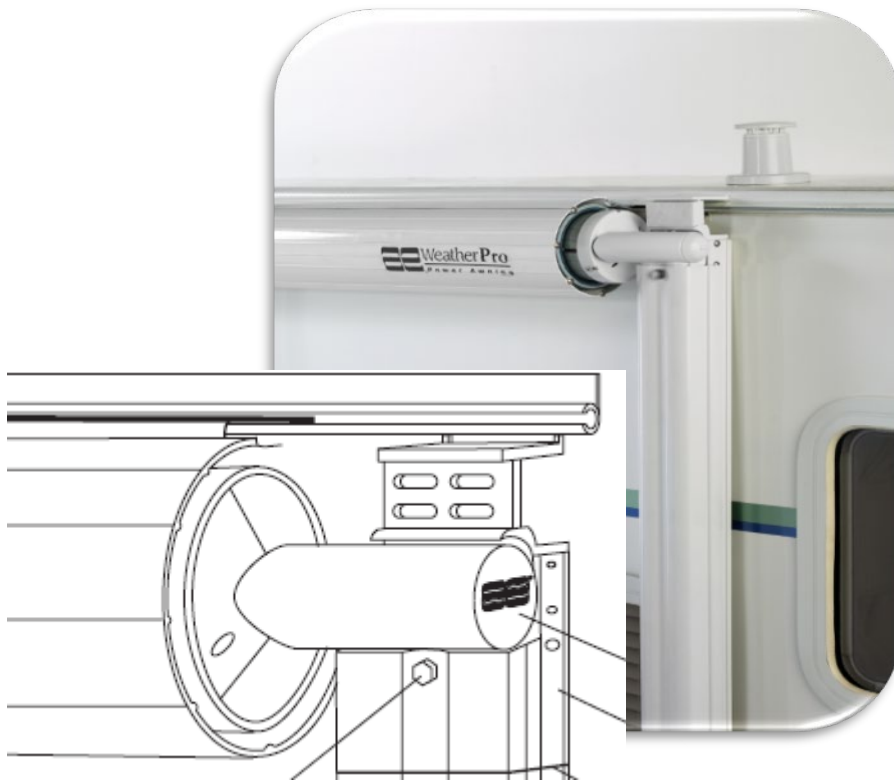
What is the problem in photo?
Could this be prevented?
What is the solution?



Top Mounting Brackets

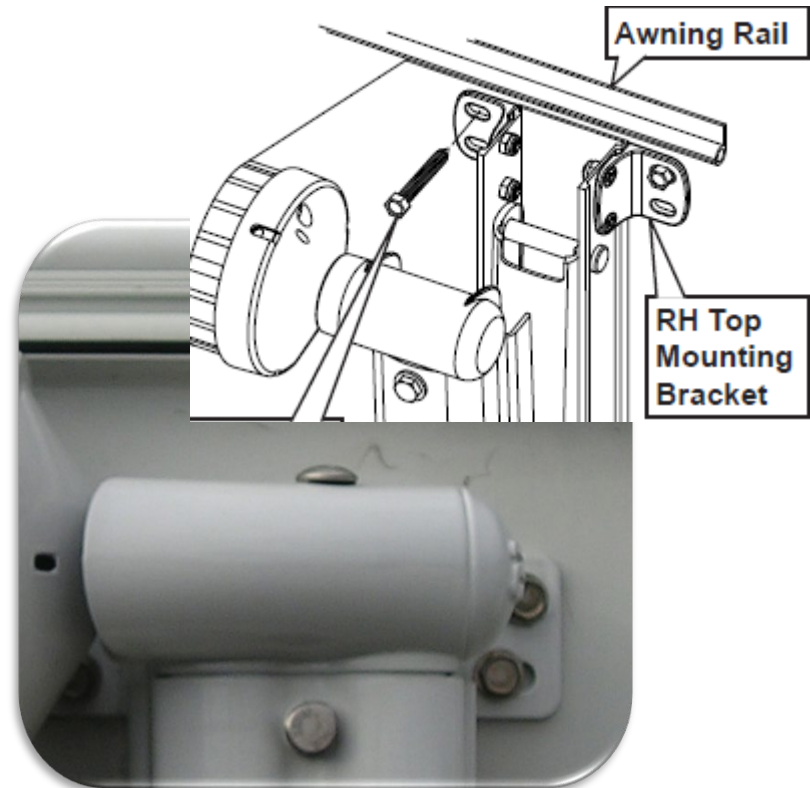
Standard

- Used on WeatherPro and all Manual awnings
- Over the rail mounting

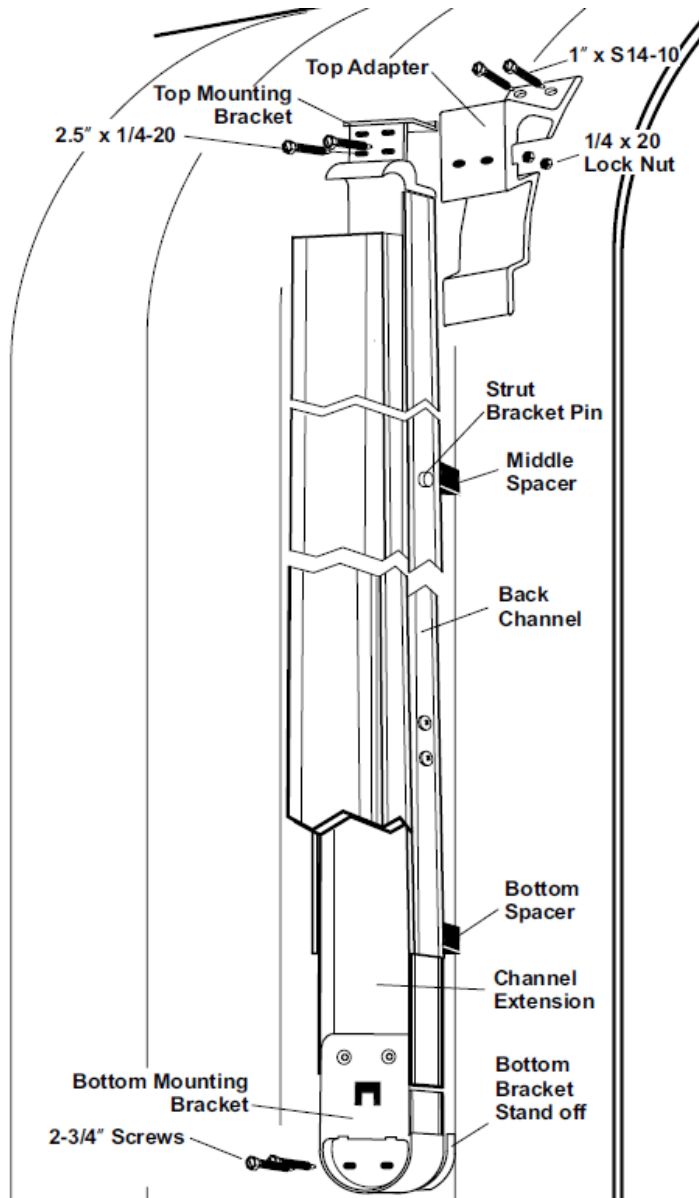


5th Wheel

- Used on 9100 Power/Manual and WeatherPro awnings
- Under the rail mounting



Radius Brackets

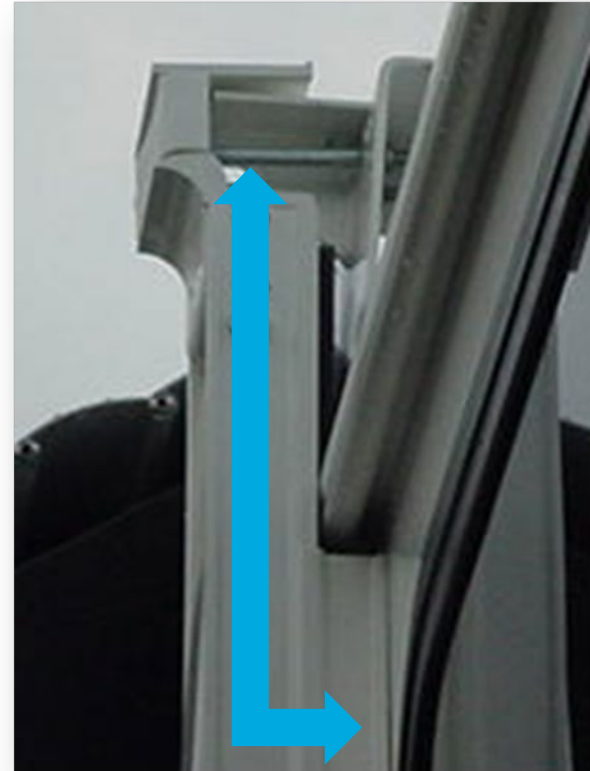


- 4.88 radius only
- Available for both Standard and 5th wheel top brackets

Radius Brackets

OEM Designed

* Requires back channel spacer



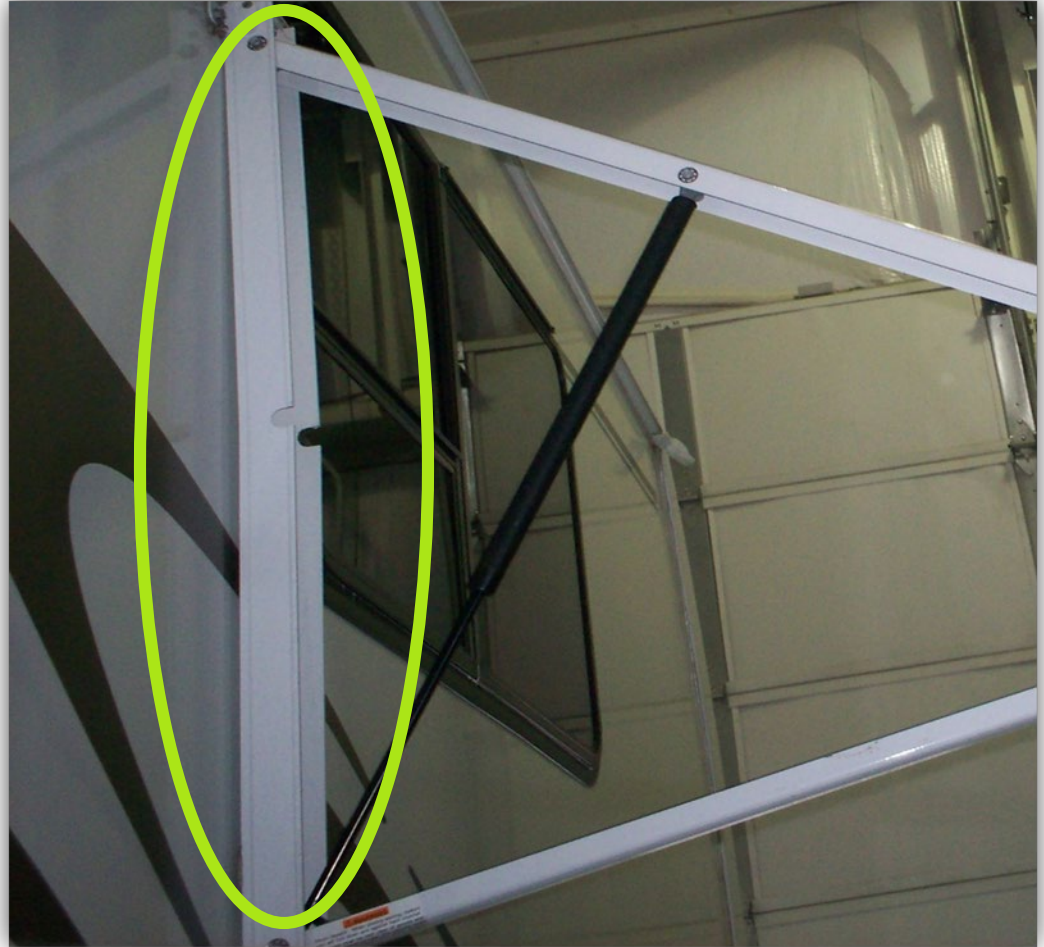
Hardware Installation

Symptom: Awning not closing properly. Sticks out on bottom end.

Possible Causes:

- Surface are not flat
- Installation
- Lack of mounting screws
- Lack of support

Fix: Install on flat surface. Add back channel spacer. Install additional mounting screws.



Identify the problem in both pictures.



Extension

What symptoms would you see if over extended?

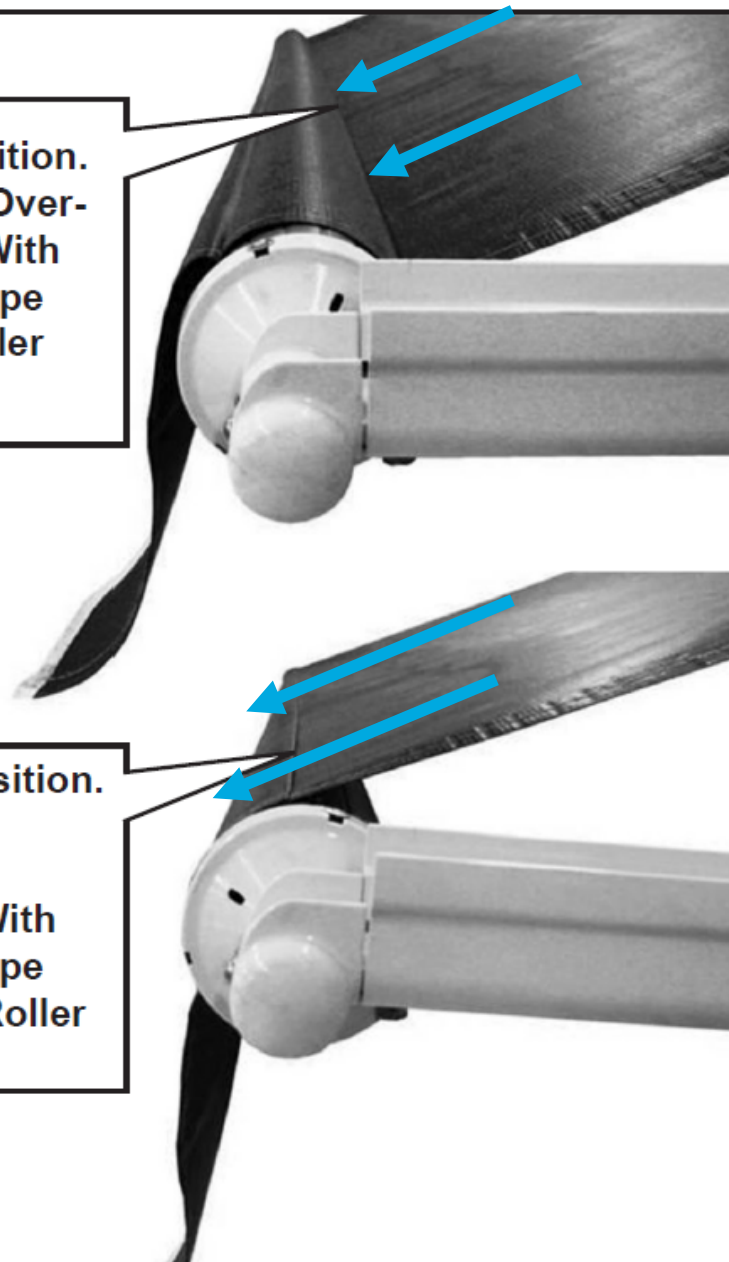


This is from Page 4 of
the Power Awning
Owners
Manual/Operating
Instruction

FIG. 2

Wrong Position.
Awning Is Over-
Extended With
Valance Rope
Behind Roller
Tube.

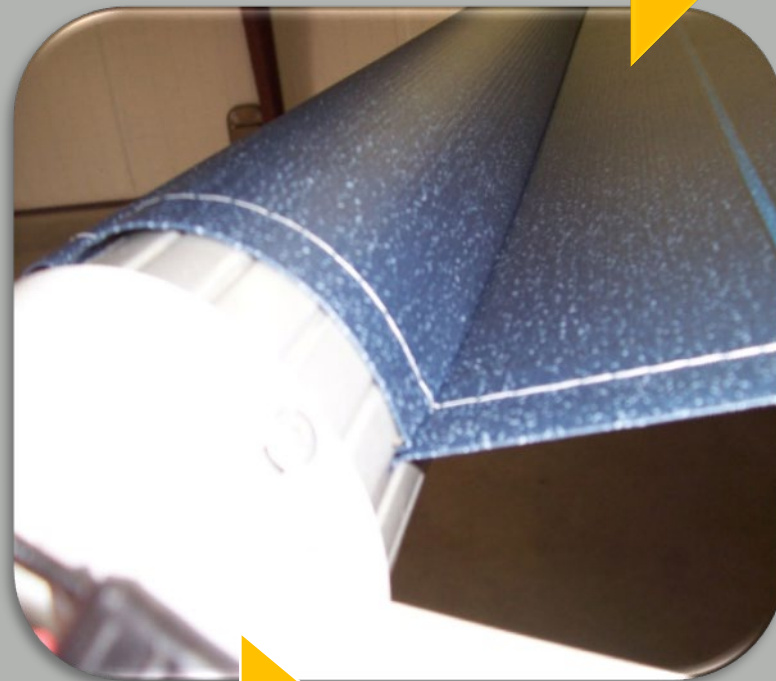
Correct Position.
Awning Is
Extended
Correctly With
Valance Rope
At Top Of Roller
Tube.



Water Pooling

Fabric Stretching

Bent Tube



High
Amps

Motor
Failure

Properly Extended Power Awning

Check:

Taut Fabric

Vertical
Valance

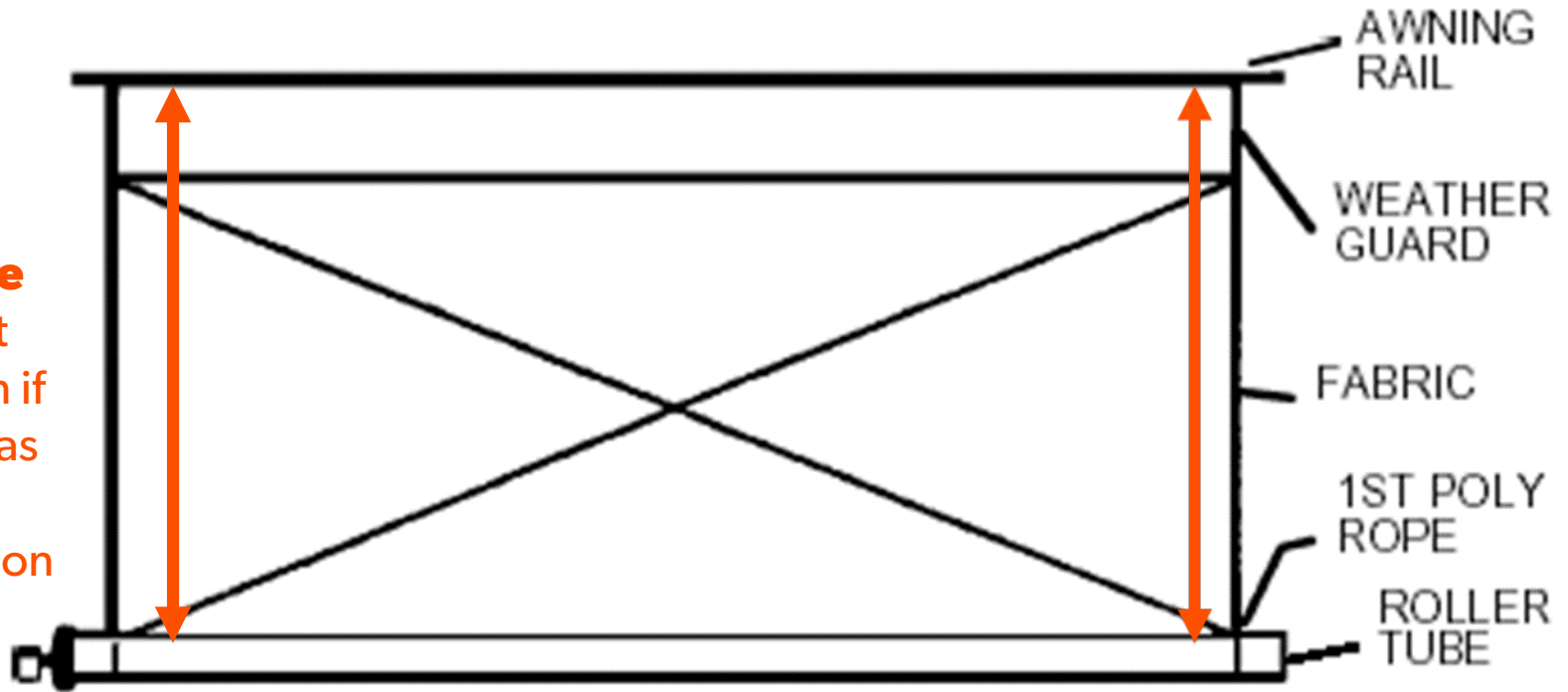
Relaxed
Arm Elbow



Fabric Extension

Measure from awning rail to awning tube for both right and left hand sides of fabric.

***Rain Dump Feature**
may not function if fabric has wrong projection



91.5"

- 5 Slat
- 9100 Vinyl

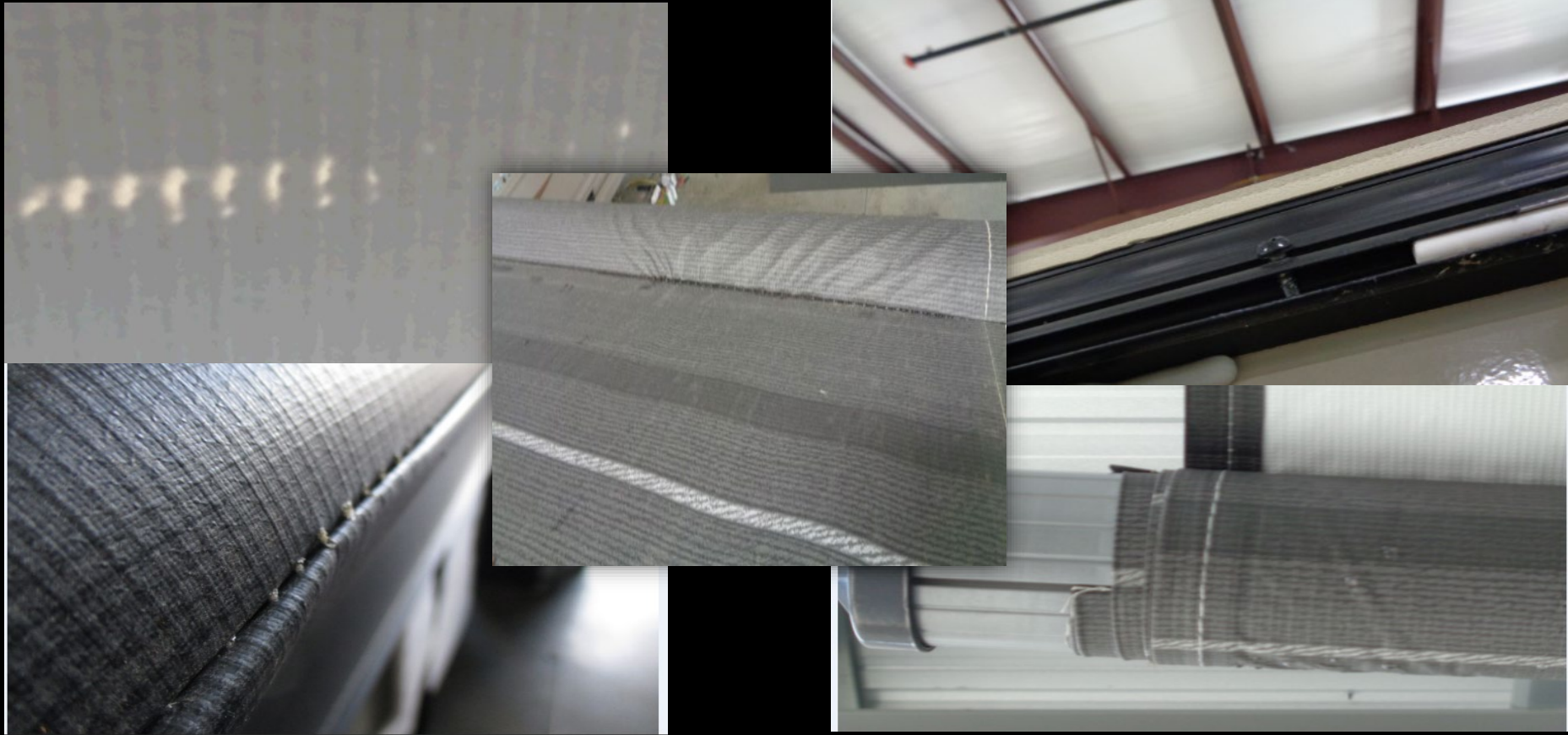
93.5"

95.5"

- 6 Slat
- 7 Slat

Fabric Flaws

All holes, tears, scrapes, scuffs, pin holes, out of square, etc. must be noted and reported to Dometic within the first 10 days of customer date of purchase.

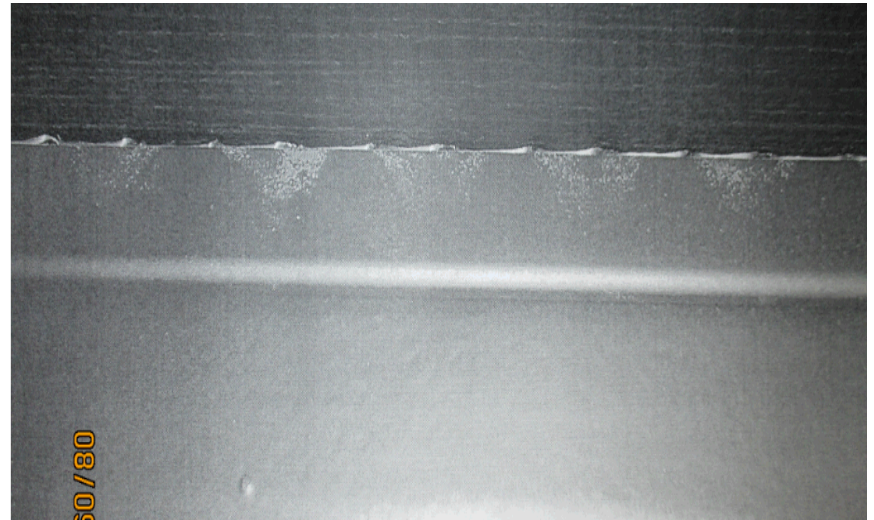
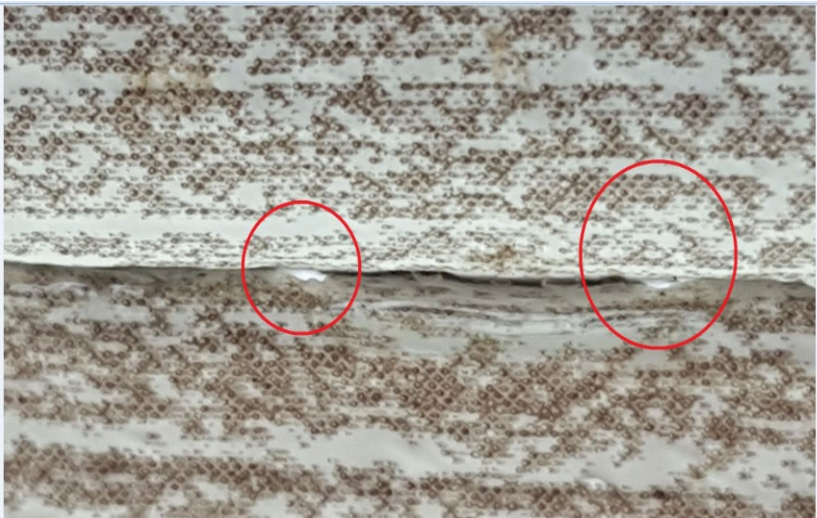


Fabric Leaks

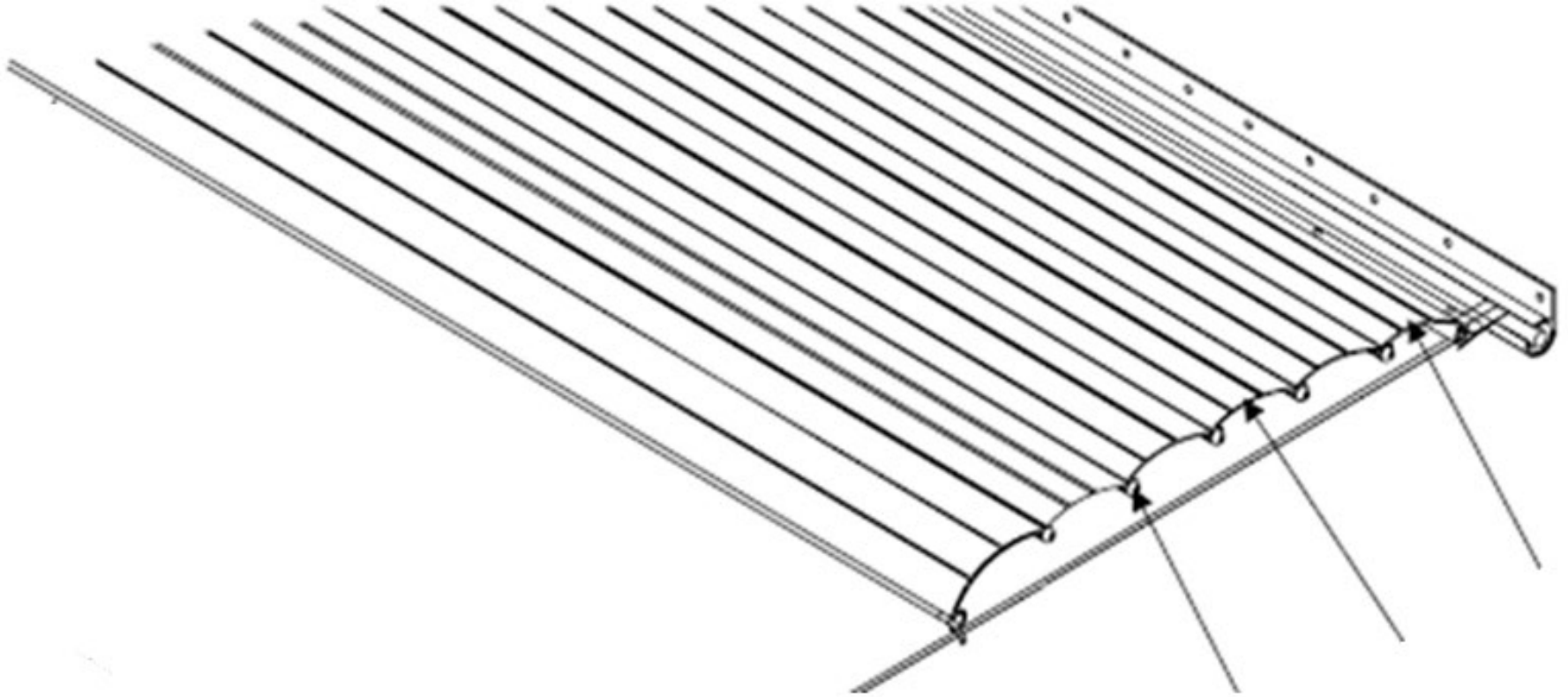
It is normal for a fabric to have leaking along the tube or rail.

Stitched with a hot needle in vinyl fabrics causes small perforations. Over time the stitches will swell and sediments settle to fill the holes.

❖ May use paraffin wax to rub over stitches to provide a barrier



Metal Weathershield: 5, 6, or 7 slats



To remove a slat:
Remove 2 slats and replace Last Slat

Tube Deflection



Natural Deflection

1 – 5 Inches

Tube Deflection

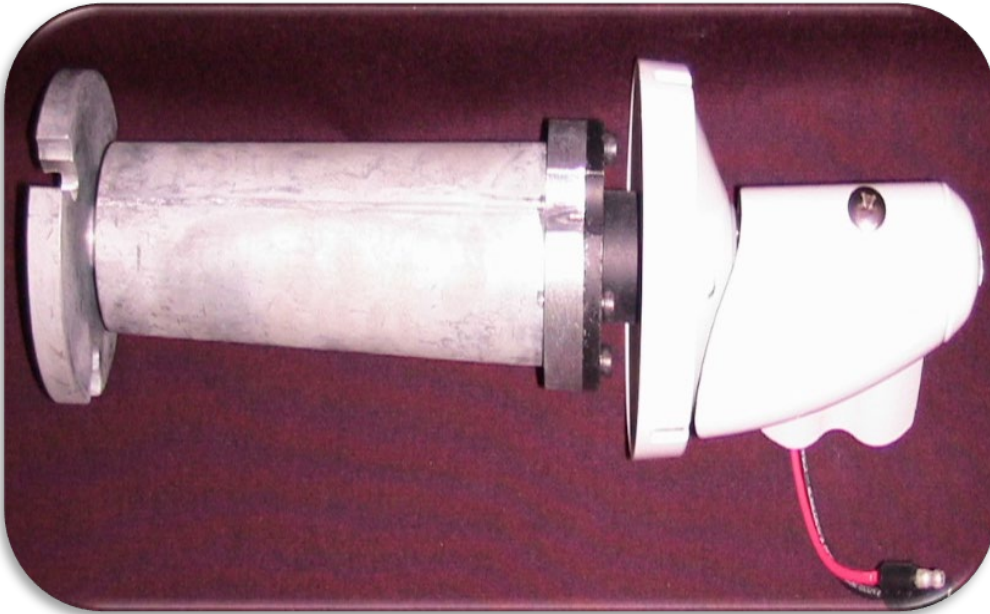


Un-Natural Deflection
"Center over Center"

Motors

Main Awning

Approx. 3 amps Extend
Approx. 4.5 amps Retract

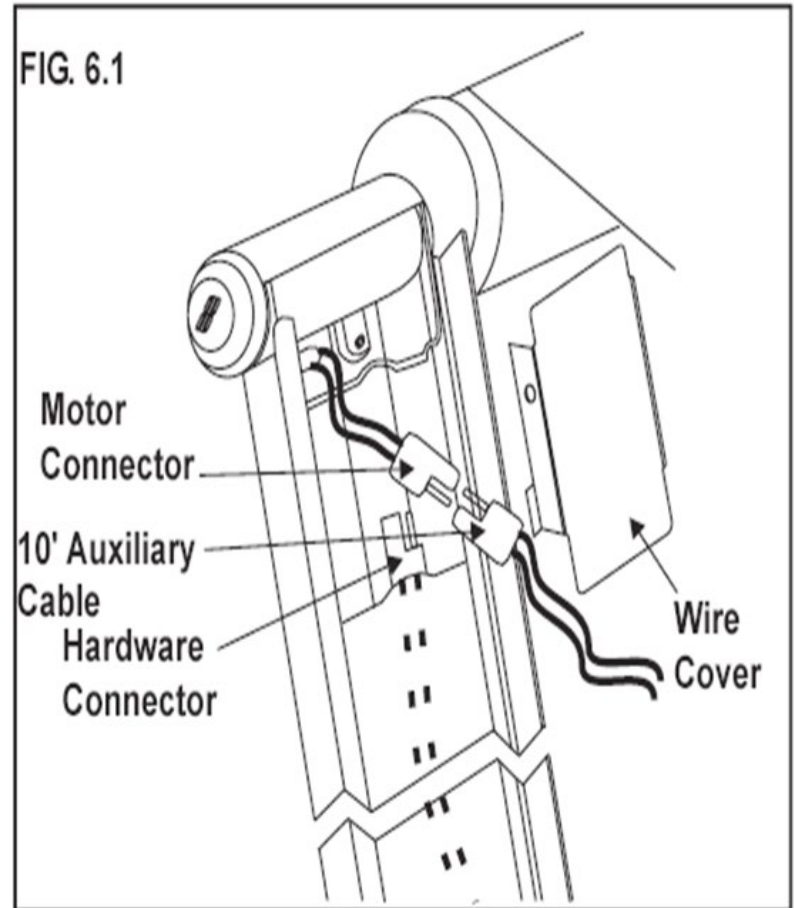


Door Awning

Approx. 2 amps Extend
Approx. 3.5 amps Retract

Motor Failure Test

Supply Motor with
a SEPARATE power
source



Before Condemning the Motor, Check the following:

Fabric

- Is it out of square
- Is out of alignment at rail or tube
- Has the poly cord shrunk/fabric shifted/tec screws

Hardware

- Mounted straight and true
- Are there kinks, binds, or bends
- Do pivot points need to be lubricated

Wiring

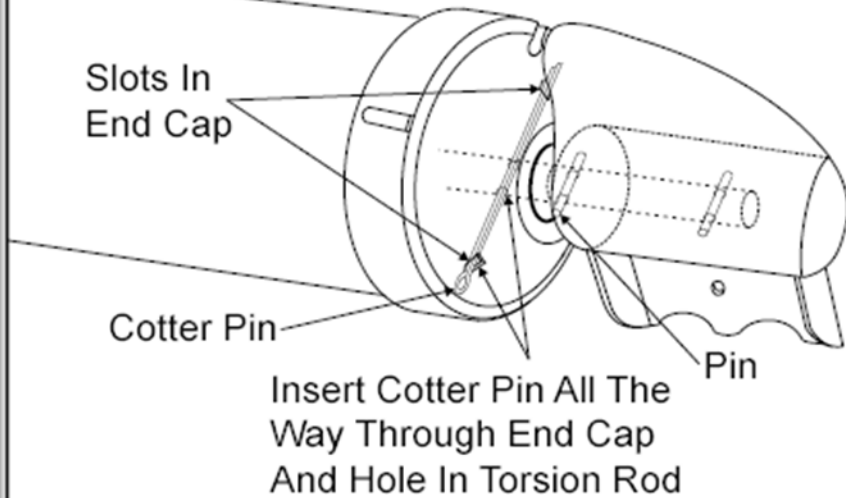
- Is the gauge of wire correct
- Is there a short in one of the wires
- Is there 12 volts DC to operate awning

Torsion or Fabric Replacement

FIG. 9

Left Hand Torsion Shown

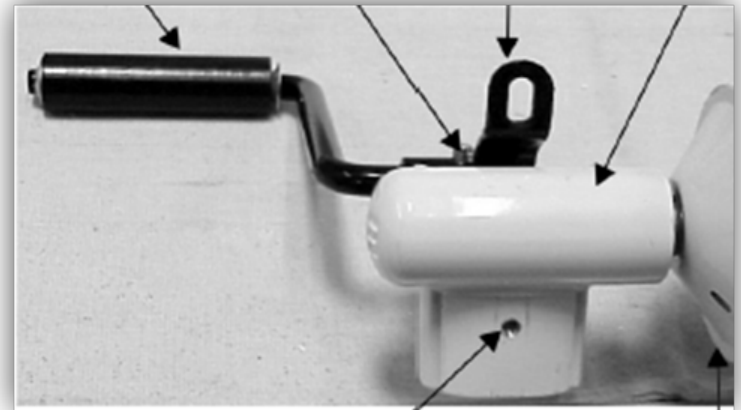
Turn FRTA or Top Casting To
Align Slots In End Cap With Pin



Insert Cotter Pin All The
Way Through End Cap
And Hole In Torsion Rod

Winding Tool

3308334.006U

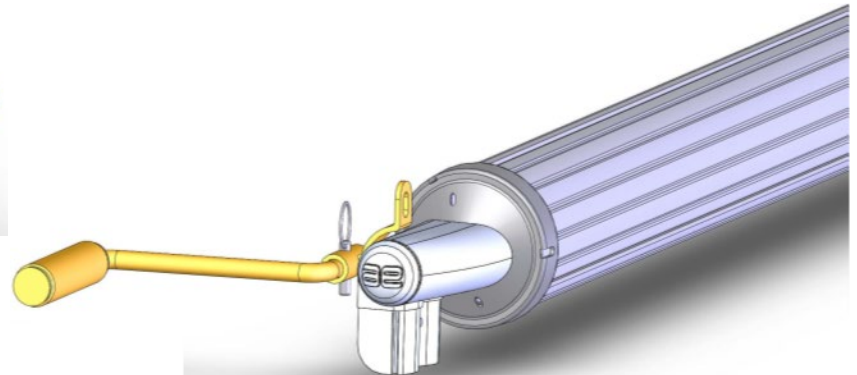
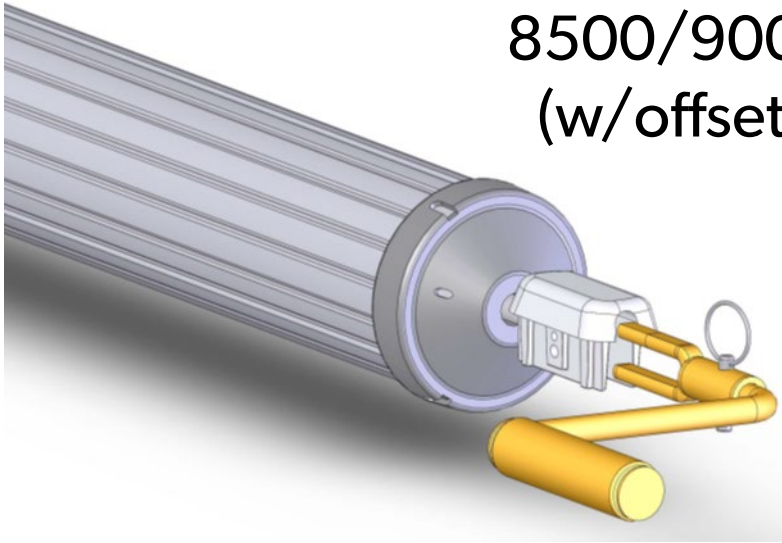


Winding Tool adapts to all current production:

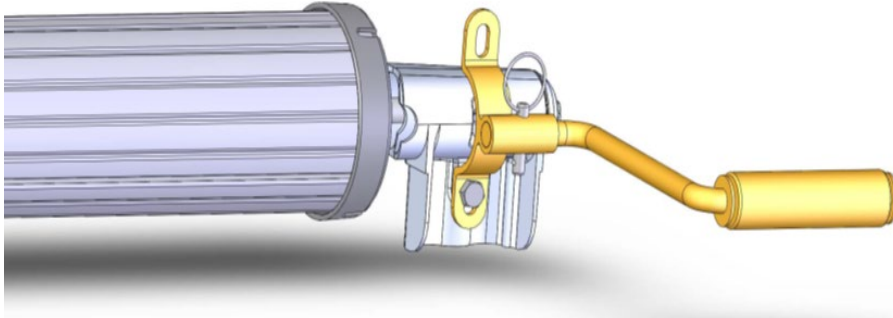
- 8500/9000 • 8500/9000 Plus
- Sunchaser/Sunchaser II
- One Step/ Two Step
- Weather Pro/Weather Pro Plus
- 9100 Power/9100 Manual

Winding Tool

8500/9000, Sunchaser
(w/offset: Plus Series)



9100 Power/Manual,
Weather Pro,
One Step, Two Step



LED LIGHT RAIL

Used with:

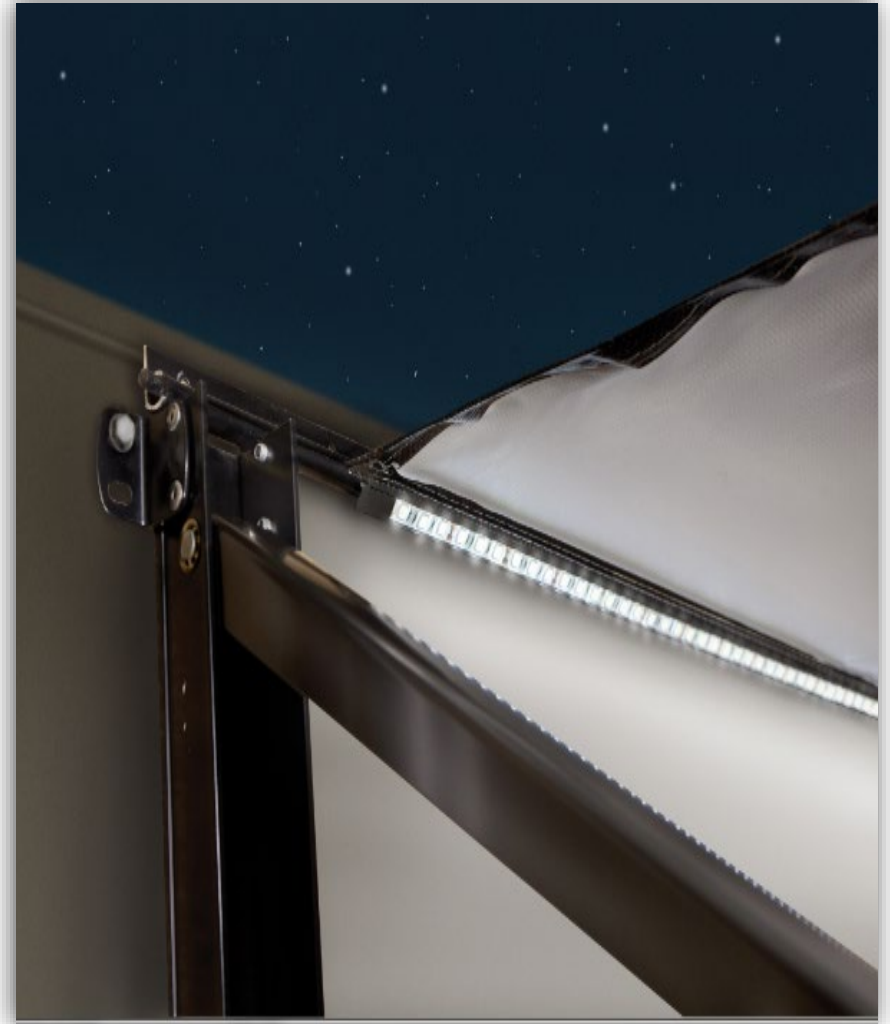
- Weather Pro, 9100
Power, 9000, 8500,
Sunchaser

Noted Issues:

- Wavy channel
- Wavy LED strip
- Lights inoperable

Common Parts:

- 3315283.006 LED
strip
- 3315701.419 LED
track



WeatherPro

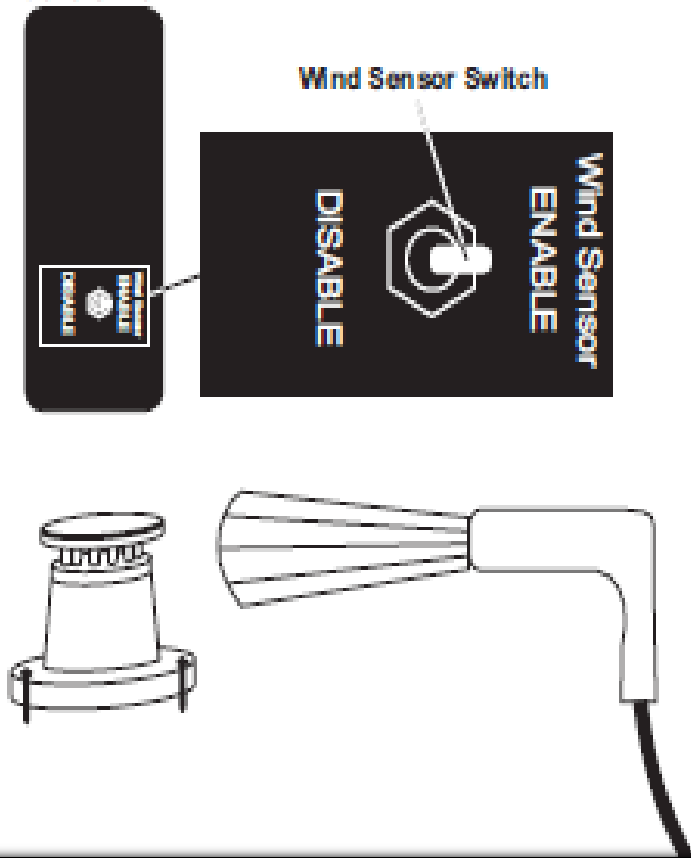


- Remote control fob operation
- Detects sustained wind speeds from 12 to 24 MPH
- Awning will close automatically at approx. 32° F
- 2 Styles of wind sensor: roof mount vs. arm mount

Wind Sensor Test

Control Box

Wind Sensor Switch



Standard Hair Dryer (can use Air Hose Gun – stand further away)

Hold 4 – 6" away from Sensor

Hold for approx. 30 seconds

NO HEAT – COOL ONLY – HIGH FAN

MUST replicate a *SUSTAINED* gust of wind

Control Box

- Wind Speed Control
- AMP sensing technology limits the **MAXIMUM** amps motor can draw
- Current Generation Box Indicates "Error" Messages

Old Style



New Style



Key Fob Programming

Arm Mount Wind Sensor



Press and Release Programming Button

Press "Patio Open" for 4 seconds

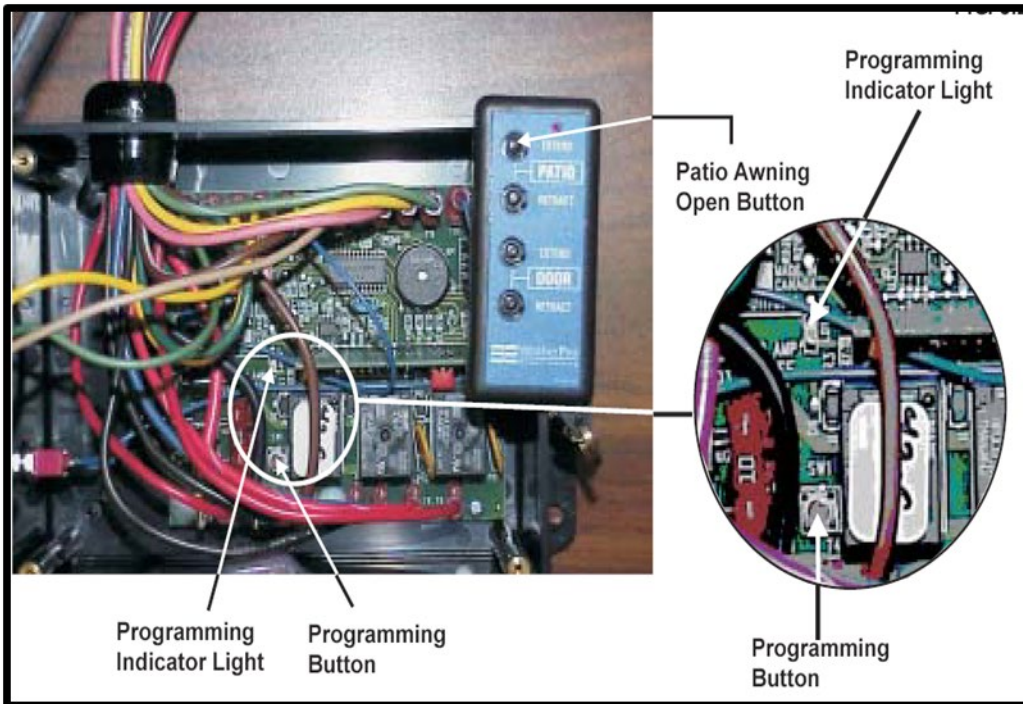


Press and Release Programming Button

Press and Hold "Patio Open" for 4 seconds



Roof Mount Wind Sensor



Wind Sensor



Activate wind sensor:
Simultaneously press and hold
buttons 1 & 2 for three seconds



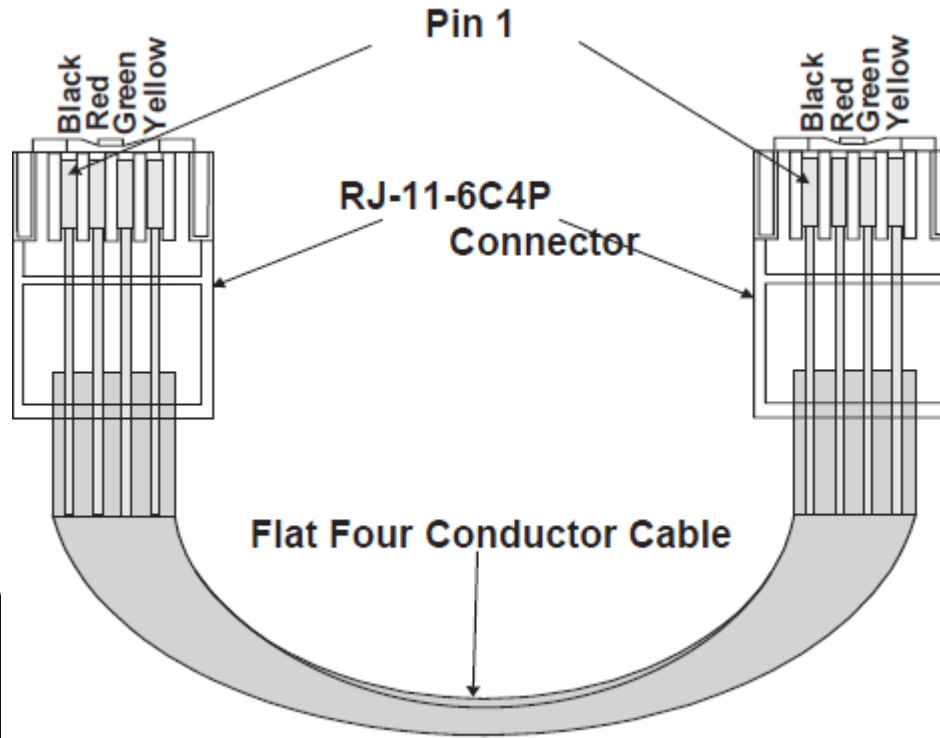
De-activate wind sensor:
Simultaneously press and hold
buttons 3 & 4 for three seconds

Control Box Error Codes

LED INDICATORS	CODE MEANING	REACTION	TEST/VERIFY
All wind speed LEDs OFF + Power light ON	Wind Sensor Disabled	Retracts awning	Re-enable Wind Sensor
1 wind speed BLINKING + Power Light On	Wind Sensor Activated	Retracts awning	Normal Operation
Wind speed LEDs SEQUENCING from top to bottom	Wet Wind Sensor	Retracts awning	Allow wind sensor to dry to return to normal operation
1 wind speed + Power light BLINKING alternately	Communication Error	Retracts awning	Check wire harness from control box to wind sensor
Bottom 2 wind speeds BLINKING	Detects temp below 32°F	Retracts awning	Temperature must be above 32°F to return to normal operation
Wind speeds OFF + Power light BLINKING	Low voltage	Retracts awning	Check DC voltage. Must have at least 10.5 volts DC.
All LEDs OFF	No Power	No operation	Check DC voltage

Communication Cable

(Only Used with Roof Mount Sensor)



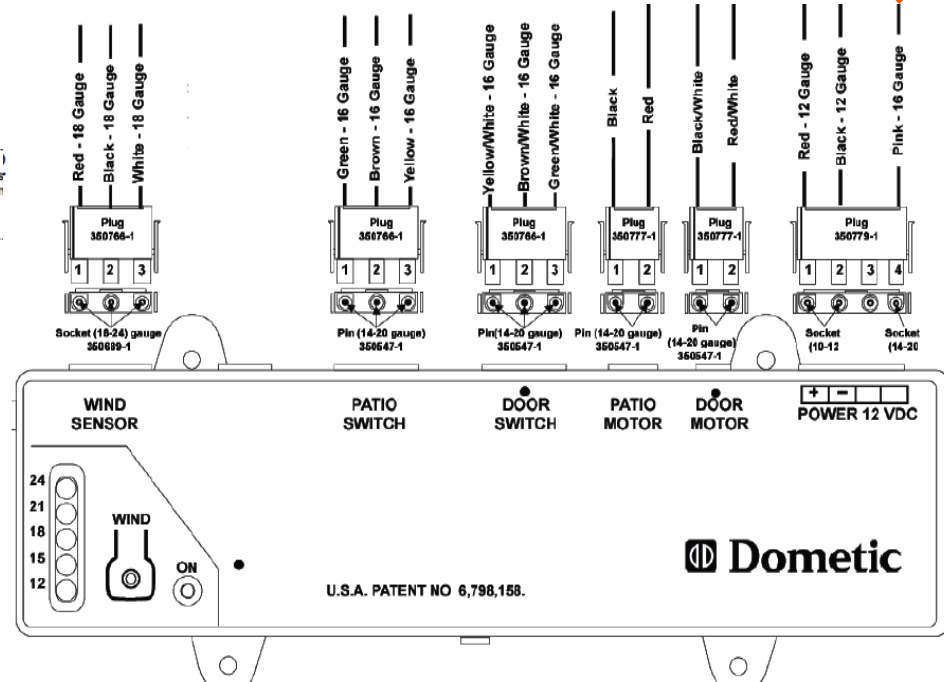
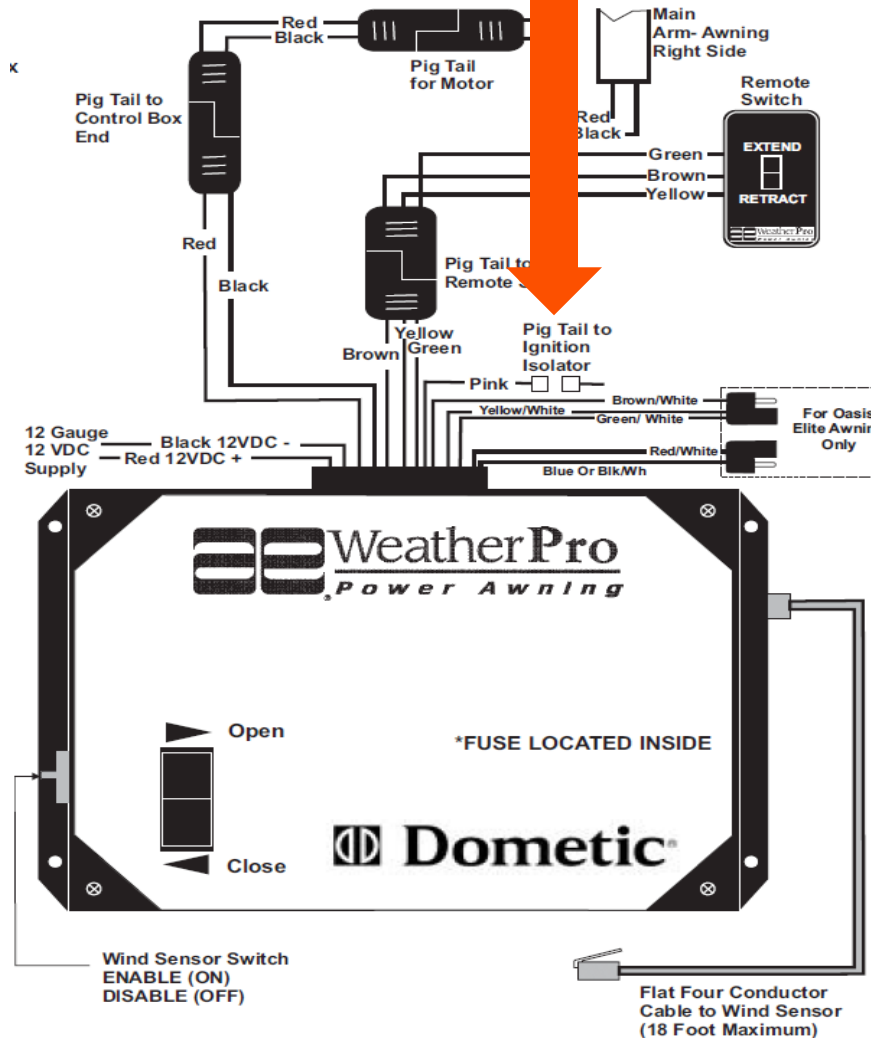
18' Communication
Cable
3106614.013

A standard telephone cable WILL NOT work!

A defective wind sensor or short in cable will cause awning to close

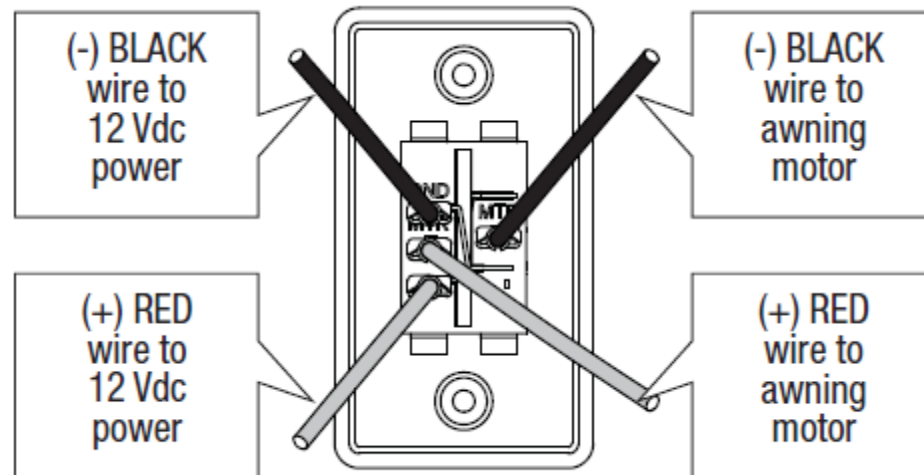
Ignition Lockout

Pigtail to Ignition Interlock MUST Be Installed



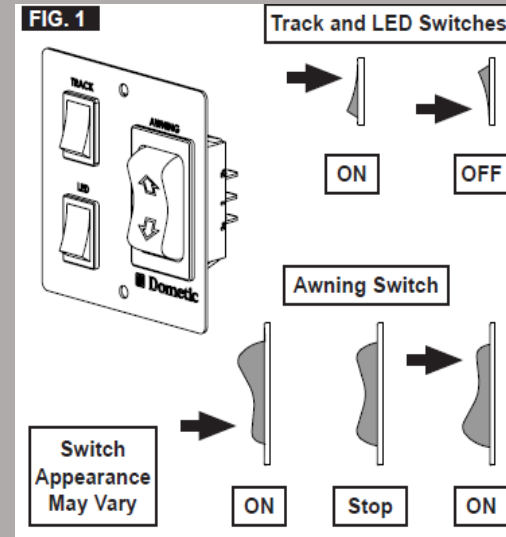
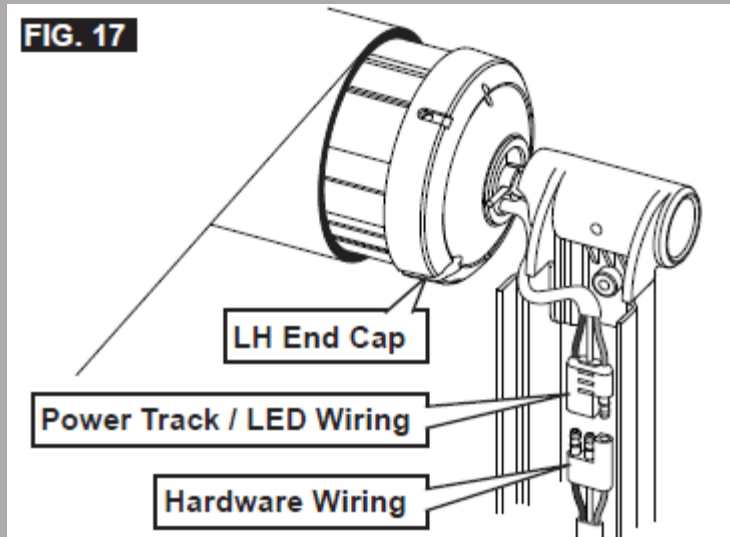
9100 Power Patio

- Rocker Switch Only
- Manual Pitch Adjustment
- ❑ Must have at least 10.5 VDC
- ❑ Low DC voltage will cause higher amps
- ❑ Some OEMS utilize a different rocker switch



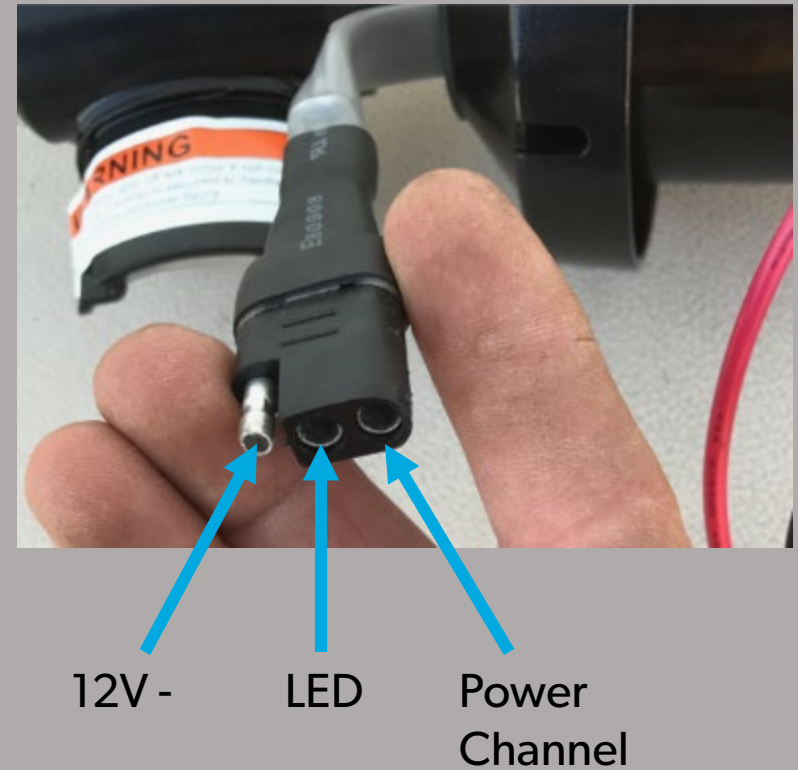
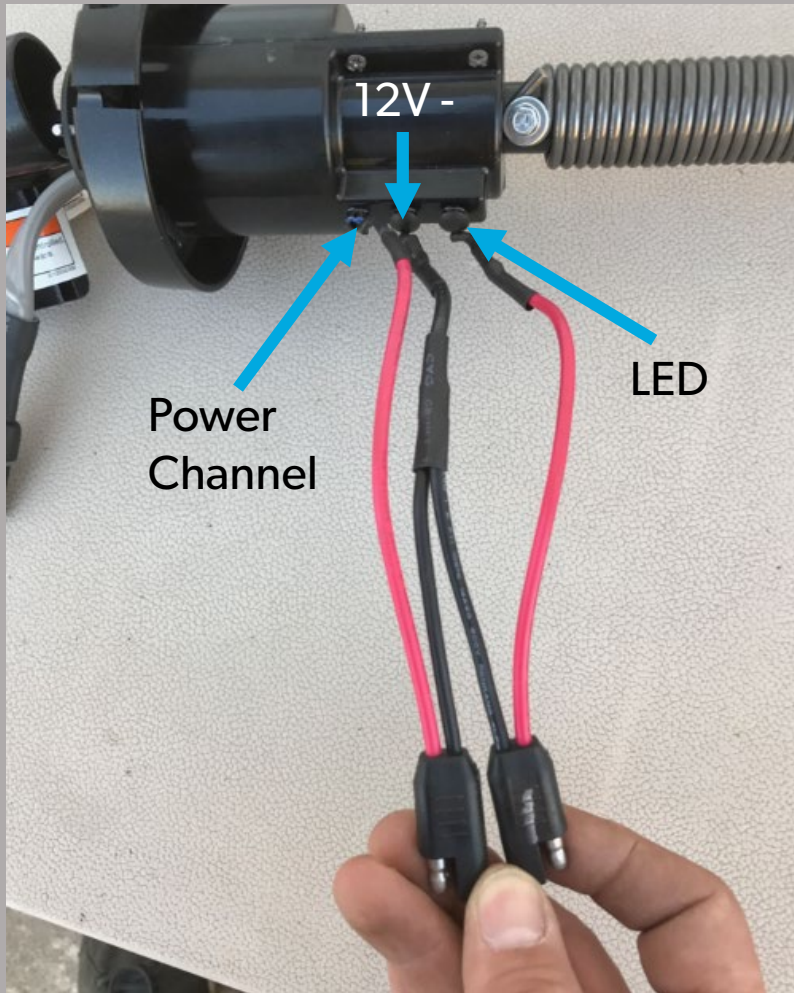
9100 Power Channel

- Power source location in LH torsion
- Includes LED light in roller tube
- 12 VDC accessories: Speakers, Fan, Bug Light



- ❑ LH Torsion must be hand turned when unwinding
 - ❑ If allowed to free spin – wire harness will pull out of both ends and ruin the power channel
- ❑ Drive motor part number - 3310423.300X
- ❑ Roller tube part number - 3316659.0XX

9100 Power Channel



Power Awning Pro



- Works with any power awning on the market.
- Open/Close the awning remotely.
- Control LED remotely.
- Wind sensor automatically closes awning in high winds (motion detection).
- Ignition interlock prevents accidental opening while the RVs ignition is active.
- Remote control works up 100 feet away.

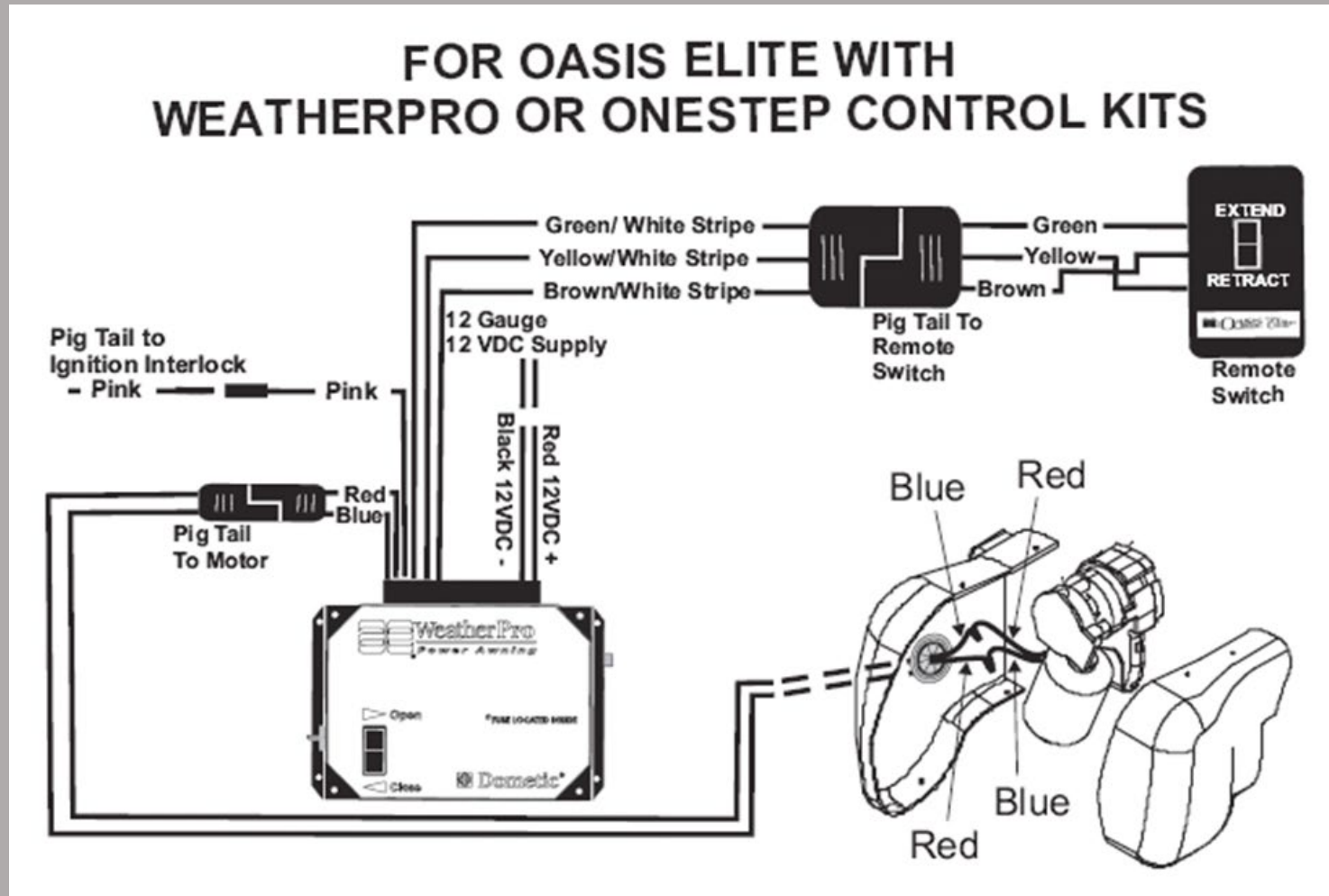
OASIS DOOR AWNING

- Offered as 48" & 56" widths
- Manual (crank) or Power (12 VDC)
- 34" Extension



Oasis Control Box

In conjunction with Weather Pro control box



Oasis Adjustment

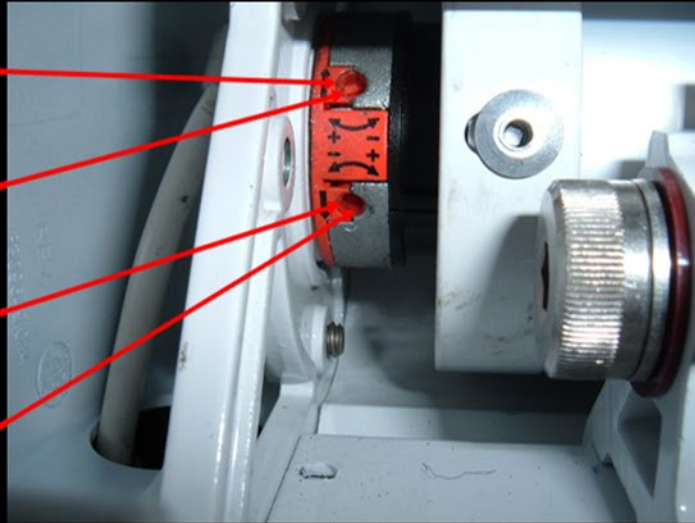
THE MOTOR MUST BE ADJUSTED SUCH THAT THE AWNING OPENS TO THE PROPER PROJECTION AS INDICATED BY THE PROJECTION GUIDE.

IF THE AWNING OPENS TOO FAR (SEE BELOW), TURN THE FRONT ADJUSTMENT SCREW COUNTER-CLOCKWISE

IF THE AWNING WILL NOT OPEN ENOUGH (SEE BELOW), TURN THE FRONT ADJUSTMENT SCREW CLOCKWISE

IF THE AWNING TRIES TO OVER-CLOSE (SEE BELOW), TURN THE BACK ADJUSTMENT SCREW COUNTER CLOCKWISE.

IF THE AWNING WILL NOT CLOSE (SEE BELOW), TURN THE BACK ADJUSTMENT SCREW CLOCKWISE.



OVER EXTENDED



UNDER EXTENDED



OVER CLOSED



UNDER CLOSED



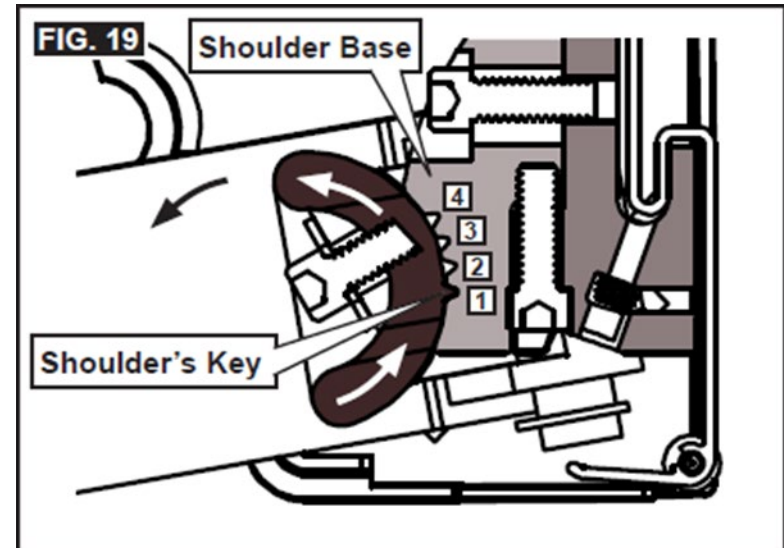
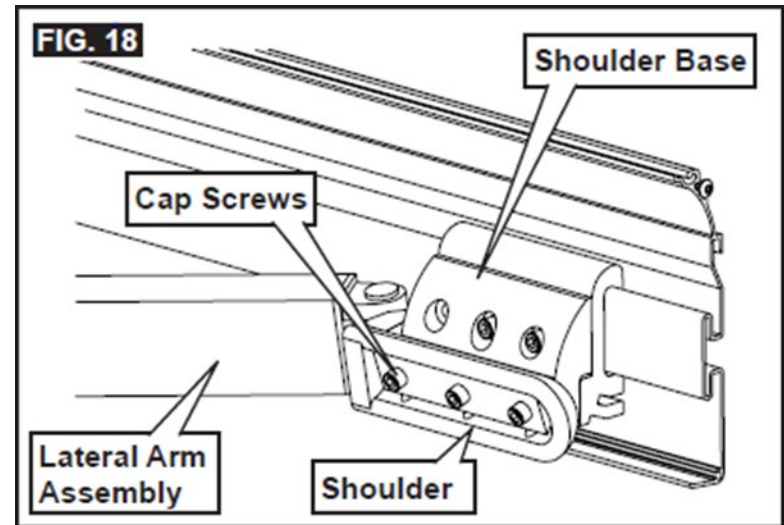
9500 Case Awning



- 12 VDC & Manual Options
- Manual Pitch Adjustment
- Motion Detection Sensor
- Must have solid structure wall for installation

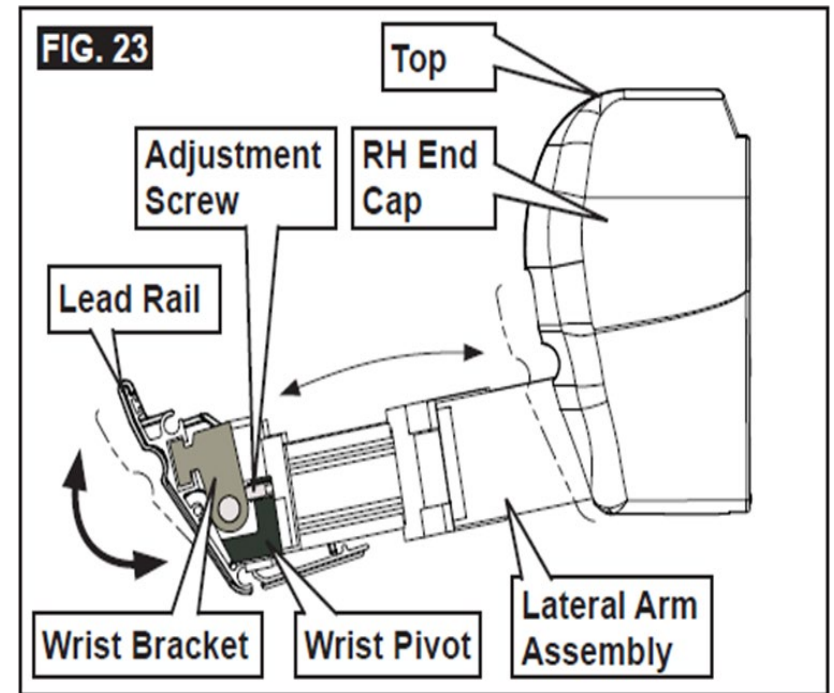
Fabric Slope

- Factory preset slope of 10°
- May be adjusted to 20° slope
- Example: 22" door would need 4 1/4" clearance for 10° slope and 7 7/8" clearance for 20° slope
- Loosen 3 screws, pivot lateral arm down until shoulder key aligns with position 2



Lead Rail Alignment

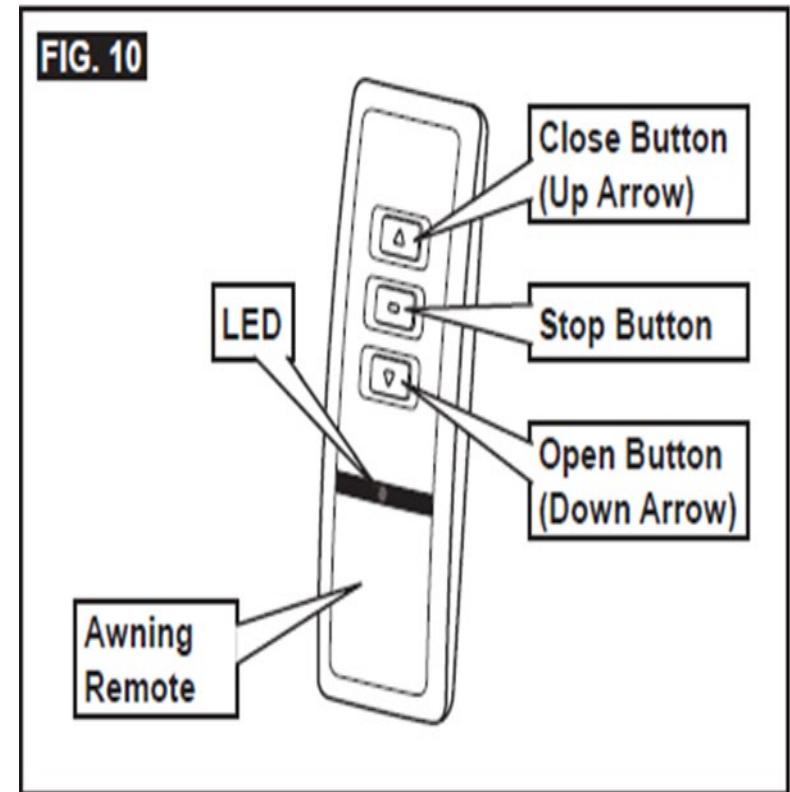
- Extend awning to access adjustment screw
- Disconnect power
- Tilt lead rail by turning adjustment screw in wrist pivot until alignment is correct
 - Clockwise to tilt lead rail forward
 - Counter-clockwise to tilt lead rail back



Limit Adjustment

Symptom: Fabric sagging due to over or under extension

- Press and hold STOP button for approx. 3 seconds. Awning motor will jog.
- Press and hold OPEN or CLOSE until lead rail is in correct position and fabric is taut.
- Press and hold STOP for approx. 3 seconds. Awning should jog indicating new limit is recognized



G-Series Geared Awnings



Retrofits to existing A&E and Dometic manual-awnings hardware with an easy-to-install kit.

- Patent-pending separable crank handle.
- Power-driven operation with a 1/4" drive screw gun.
- No electricity needed.
- Only 7 steps to operate instead of 12.
- No lock levers or pull straps.
- Always in full control of extension and retraction.
- Precision-machined brass worm-gear drive components.
- Self-locking drive safety system.
- Travel locks keep hardware secure and rattle-free.
- No rewinding of springs.
- Simplified installation.
- Installation kit fits existing A&E and Dometic manual awning hardware.

Slide Toppers

Elite EZ

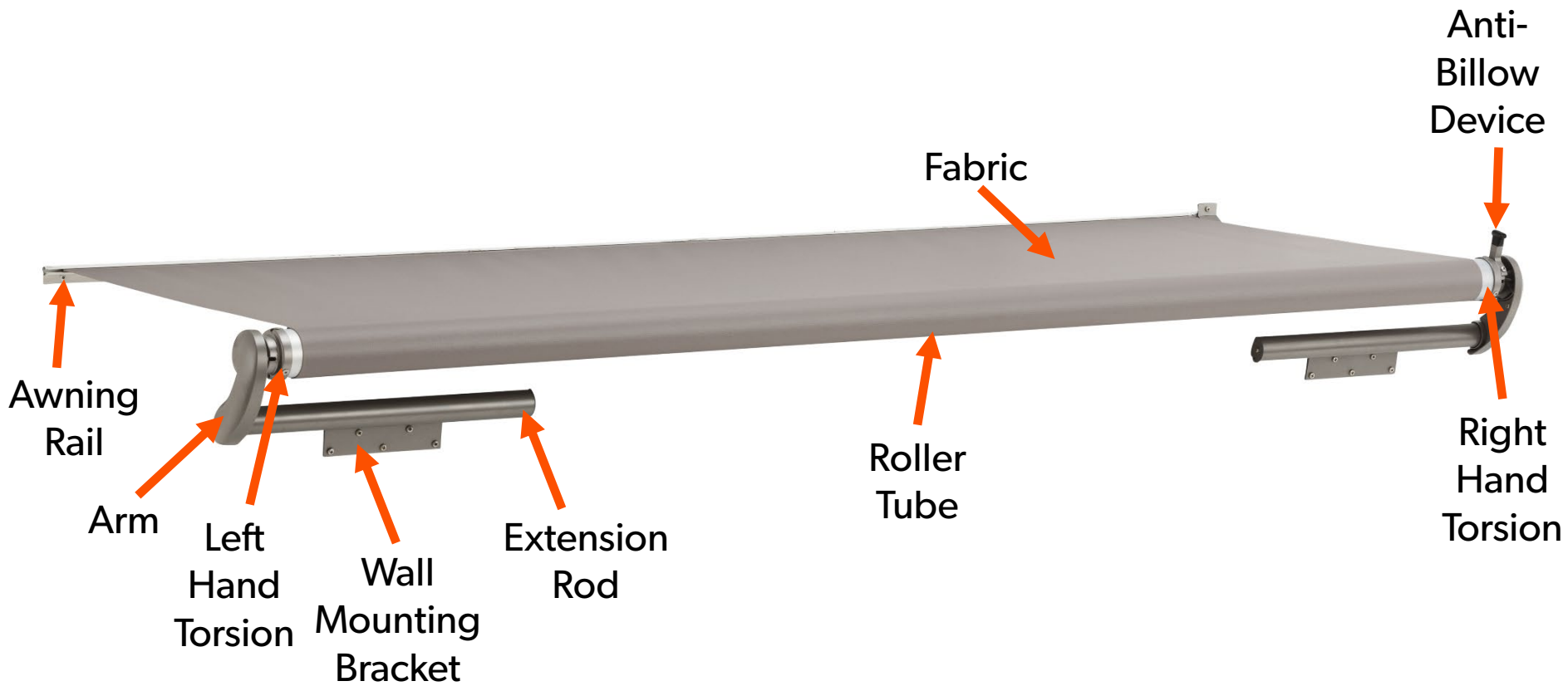


Deluxe EZ



Full Cover





Mobile living made easy.

 **DOMETIC**

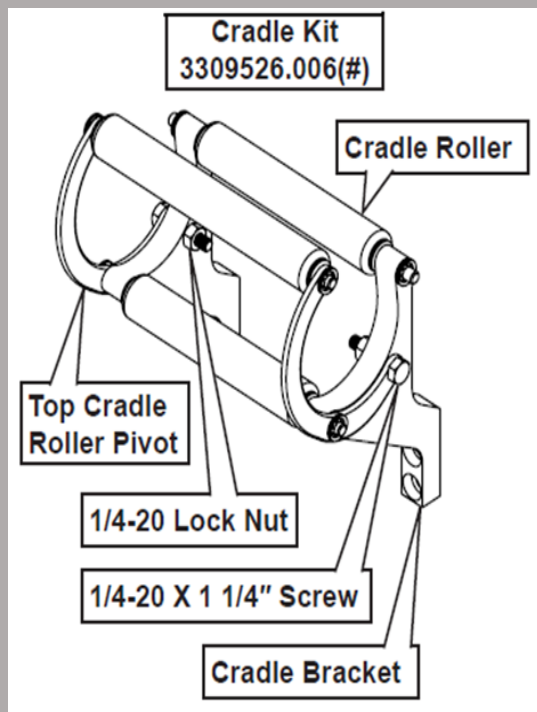
To Measure for Slide Topper

- Measure outside flange to flange
- Compare to chart below
- Do NOT order by fabric size: Fabrics are cut down by approx. 5" from Slide Topper size

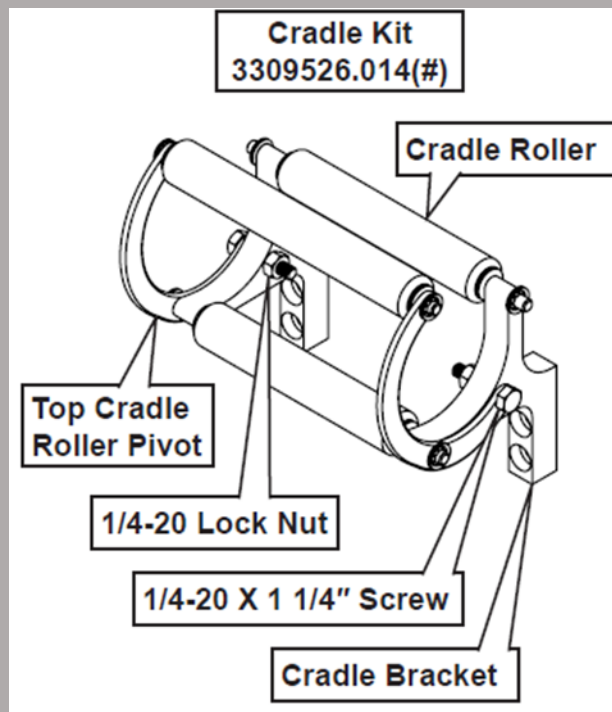
ROOM WIDTH	RECOMMENDED SIZE		ROOM WIDTH	RECOMMENDED SIZE
56" to 61 3/4"	66"		122" to 127 3/4"	132"
62" to 67 3/4"	72"		128" to 133 3/4"	138"
68" to 73 3/4"	78"		134" to 139 3/4"	144"
74" to 79 3/4"	84"		140" to 145 3/4"	150"
80" to 85 3/4"	90"		146" to 151 3/4"	156"
86" to 91 3/4"	96"		152" to 157 3/4"	162"
92" to 97 3/4"	102"		158" to 163 3/4"	168"
98" to 103 3/4"	108"		164" to 169 3/4"	174"
104" to 109 3/4"	114"		170" to 175 3/4"	180"
110" to 115 3/4"	120"		176" to 181 3/4"	186"
116" to 121 3/4"	126"		182" to 187 3/4"	192"

Cradle Kits

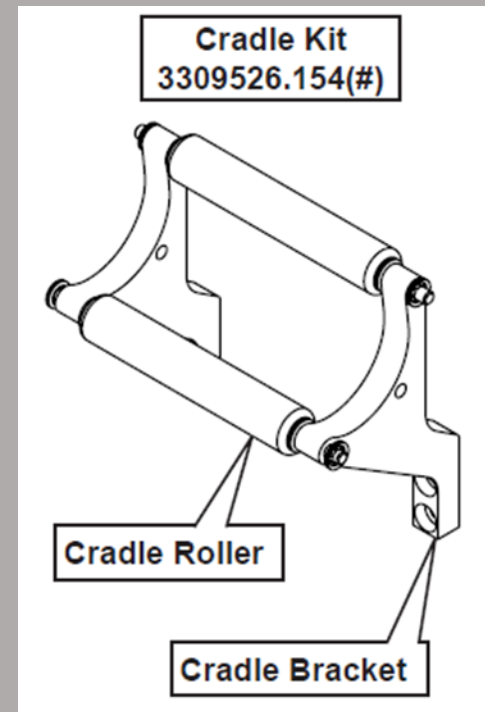
Add support to slide topper to reduce bowing in roller tube



For Deluxe EZ



For Deluxe EZ



For Elite EZ

Anti-Billow Device

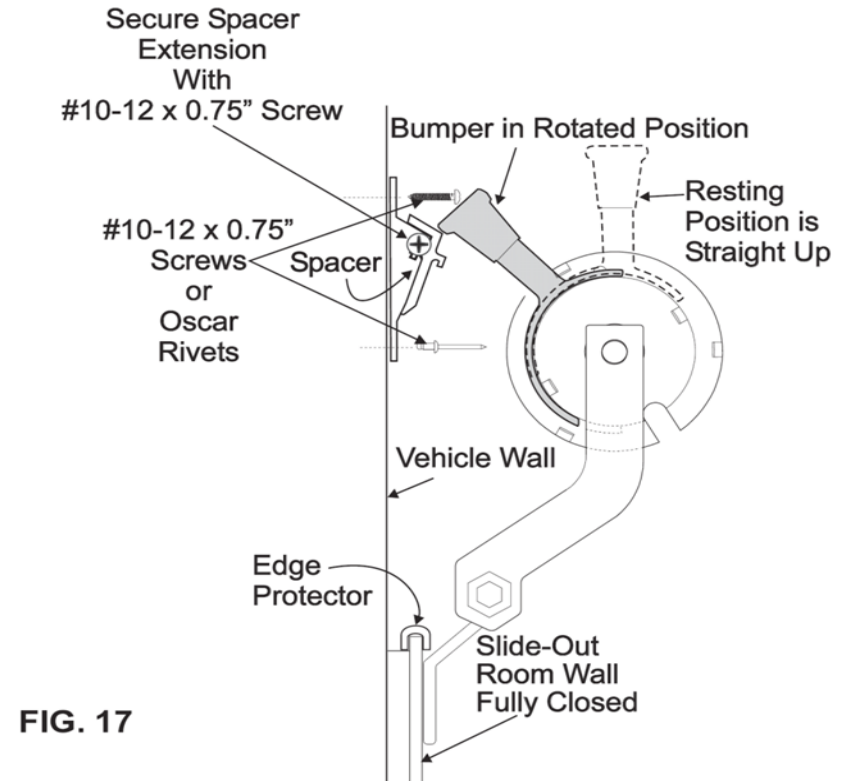


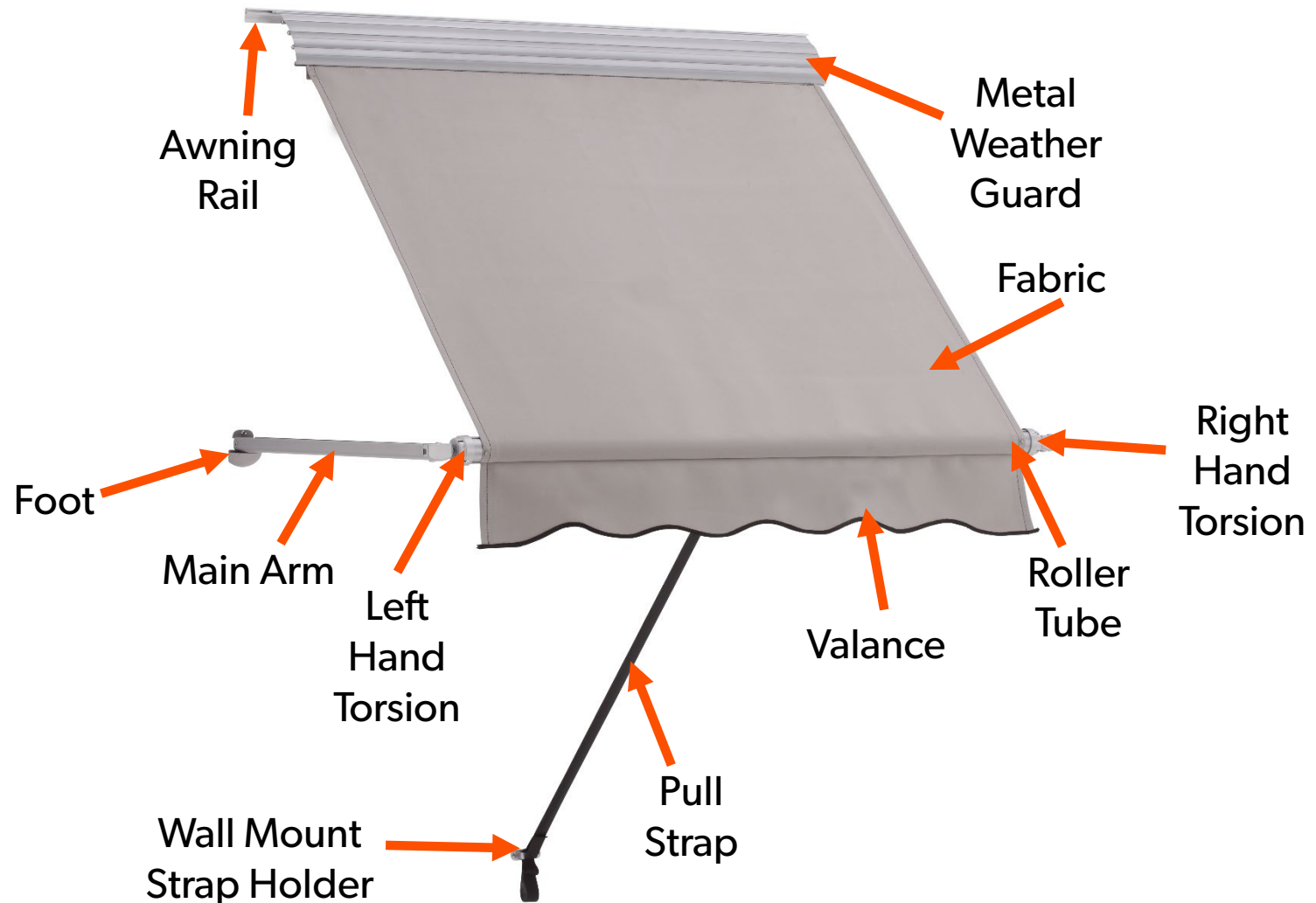
FIG. 17

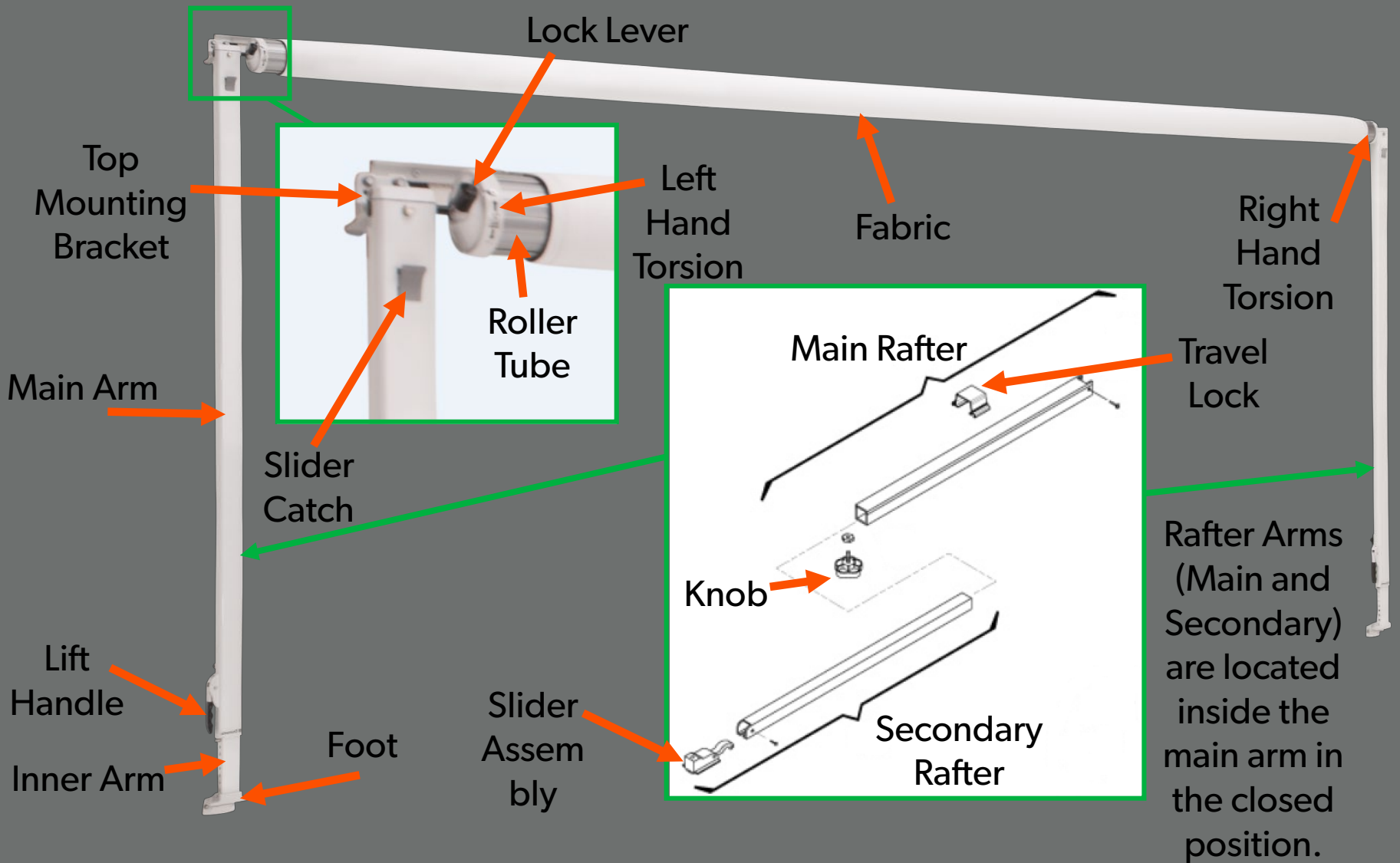
The anti-billow device should be pointing upwards (12 o'clock position) when installed properly. Anti-billow device can be installed on either side of slide topper. This device prevents slide topper from unraveling during transit.

Spacer Brackets

Not required with all installs. Certain applications need a spacer bracket to prevent damage to slide topper.







ANY QUESTIONS?

- Sales Department (Dealers Only) 1-800-366-3842
- Technical Services (Dealers Only) 1-800-216-5115
- Warranty Authorization (Dealers Only) 1-888-867-4188
- Retail (Retail Customers Only) 1-800-544-4881

Visit our websites at:

www.edomestic.com – Dometic RV Products

www.dometicusa.com – Dometic Worldwide

Email us at:

techservice@dometicusa.com – Technical Questions or Warranty Authorization

training.school@dometicusa.com – Dometic Tech Training Questions or Sign Up

Thank You
You are the reason we are here!



Mobile living made easy.

