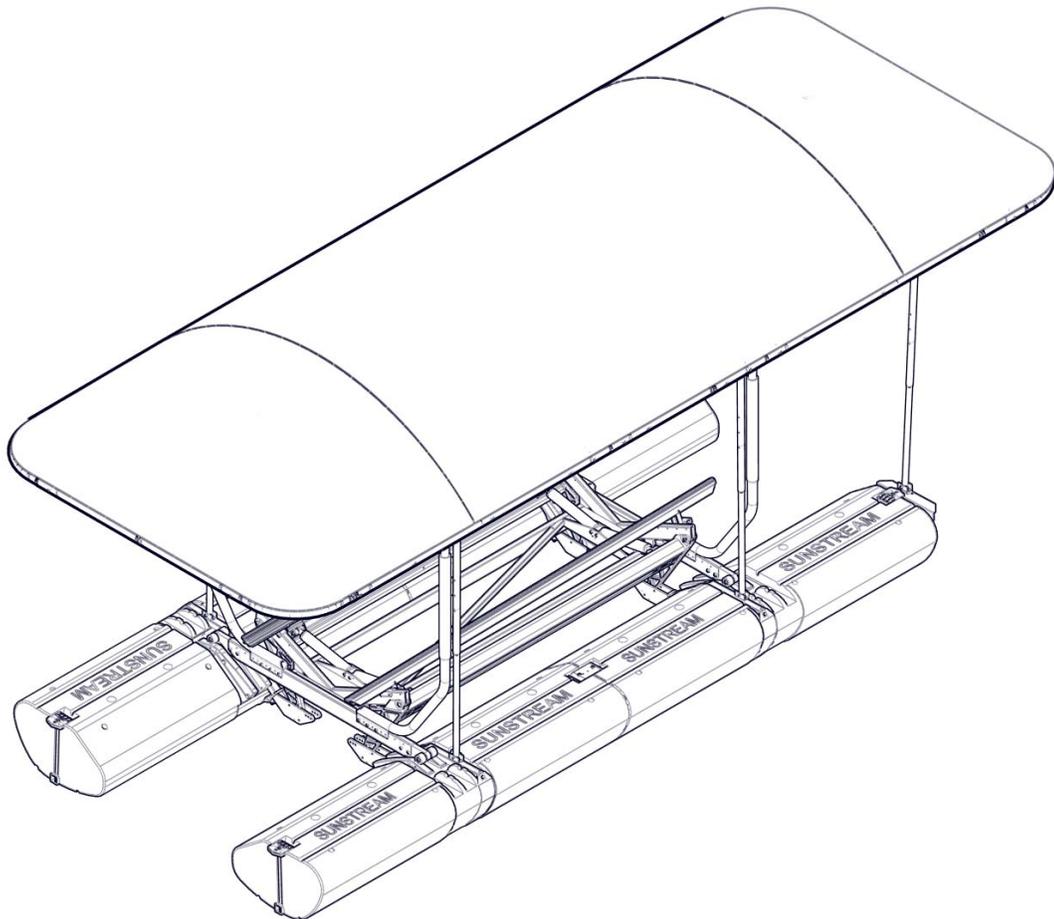




FA-HC30144

# *FL10, 13, 15 HOVERCOVER*

*ASSEMBLY, INSTALLATION & USE MANUAL*



***READ CAREFULLY***  
***KEEP THESE INSTRUCTIONS***

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## **Tools Recommended**

Socket Wrench, 9/16" & 1/2" sockets

9/16" Wrench

1/2" Wrench

Drill

5/16" & 3/8" Drill bits

3/8" Nut Driver

Screwdriver

Anti-seize

## **Disclaimer of Liability**

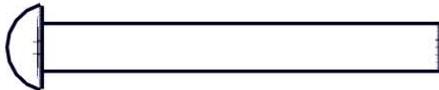
These assembly and installation instructions have been provided by Sunstream Corporation at the request of the potential installer and/or assembler. If you are not an authorized Sunstream Dealer and are not a reasonably skilled mechanic, please contact Sunstream so that we can refer you to a local dealer who can skillfully and safely perform the assembly and installation of your Sunstream boat lift.

It is the potential installer and/or assembler's responsibility to determine whether he or she has the necessary skills, knowledge, and tools to properly and safely assemble and/or install the Sunstream Lift described herein. Improper assembly and/or installation may cause the lift to function improperly or not to function. Improper assembly and/or installation may additionally cause a risk to personal safety or property. If the assembler and/or installer is confused or has questions or concerns about a particular assembly or installation, he or she should contact Sunstream by telephone at (253)-395-0500, Int'l (001)-(253)-395-0500 before proceeding further. The information contained in these instructions does not constitute a warranty or guarantee of any kind.

An assembler's and/or installer's failure to correctly follow these assembly and installation instructions constitutes a waiver of the assembler and/or installer's rights against Sunstream regarding any subsequent damages to property or personal injury caused by the assembler's and/or installer's improper assembly and/or installation.

## Parts List

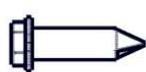
**16**  SELF THREADING SCREW #14 X 4.00"  
11-041602-40

**34**  MACHINE SCREW 5/16" X 3.50"  
11-051401-90

**4**  BOLT, 3/8" X 2.00"  
11-060801-32

**4**  BOLT, 3/8" X 2.50"  
11-061001-92

**16**  BOLT, 3/8" X 3.00"  
11-061200-16

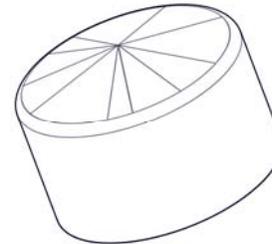
**25**  SELF DRILLING SCREW #14 X 1.00"  
11-000401-93

**8**  SELF DRILLING SCREW #14 X 2.00"  
11-000001-81

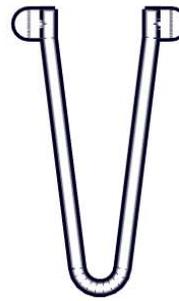
**12**  BOLT, 5/16" X 1.50"  
11-050600-38

**55**  NYLOCK, 5/16"  
12-050000-62

**28**  NYLOCK, 3/8"  
12-060000-22



**4**  
CAP  
690501



**6**  
SNAP BUTTON  
15-000001-83

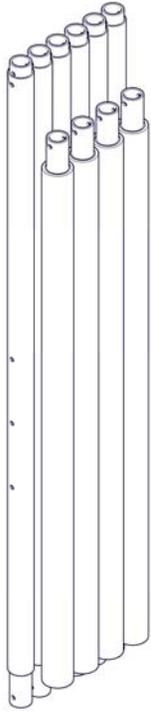
**17**  
WIRE TIE  
690255

**10**  VELCRO STRAP  
69-000001-00

**16**  D-RING VELCRO STRAP  
690493

RAFTERS

# Parts List



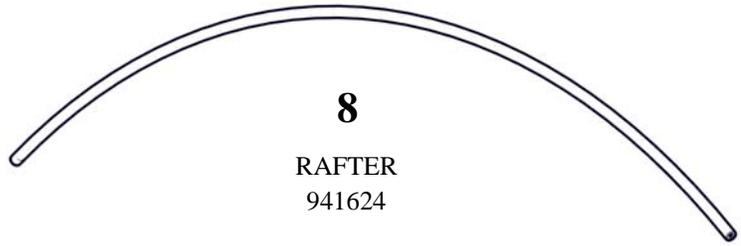
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UPRIGHT AS.  
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**2**  
GUIDE ON  
95-000006-19



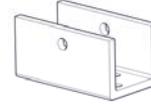
**4**  
STOP TUBE  
440627



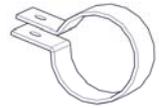
**8**  
RAFTER  
941624



**2**  
GUIDE ON SLEEVE  
44-000008-99



**6**  
FLOAT BRACKET  
44-000011-56



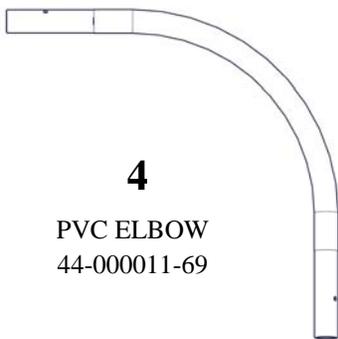
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CLAMP  
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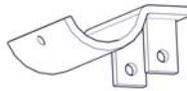
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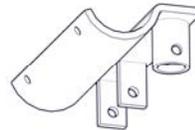
**6**  
DIAGONAL BAR  
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**4**  
PVC ELBOW  
44-000011-69



**2**  
END BRACKET  
95-000008-85



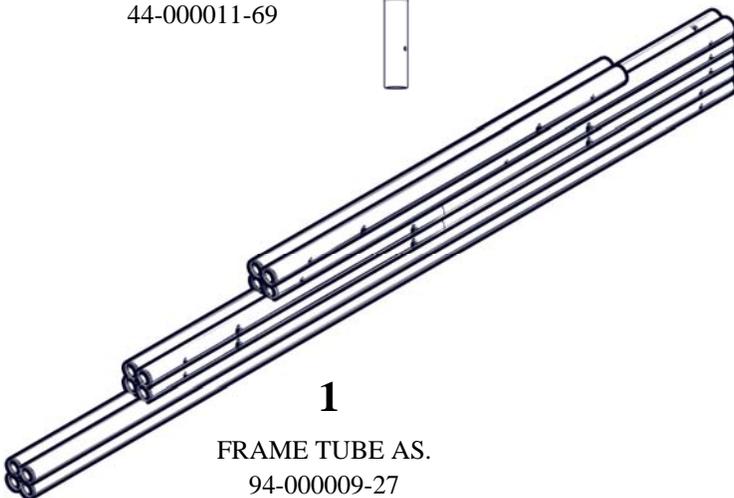
**2**  
FRAME BRACKET L  
95-000007-92



**2**  
FRAME BRACKET R  
95-000007-93



**6**  
UNION SLEEVE  
44-000011-72



**1**  
FRAME TUBE AS.  
94-000009-27



**1**  
END FLOAT BRACKET L  
95-000008-87



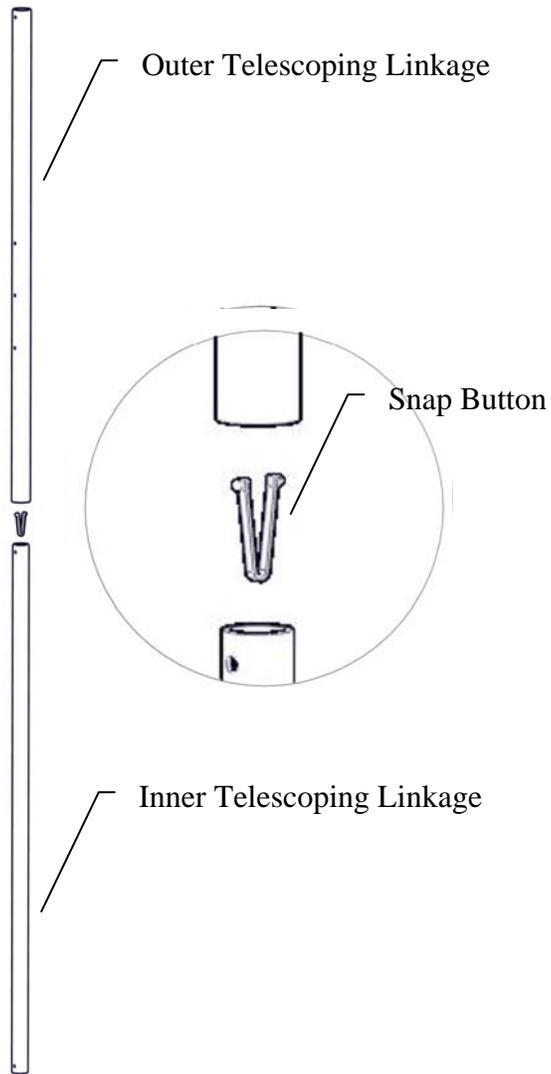
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**1** BAG 1

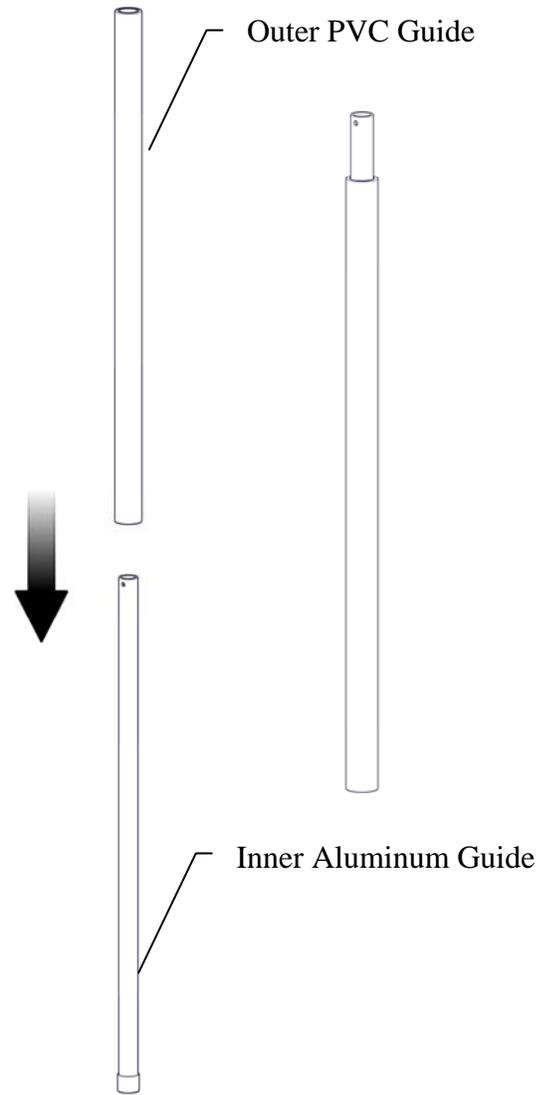
**1** OWNERS MANUAL 690178

# Assembly

## **1** Assemble all Telescoping Linkages



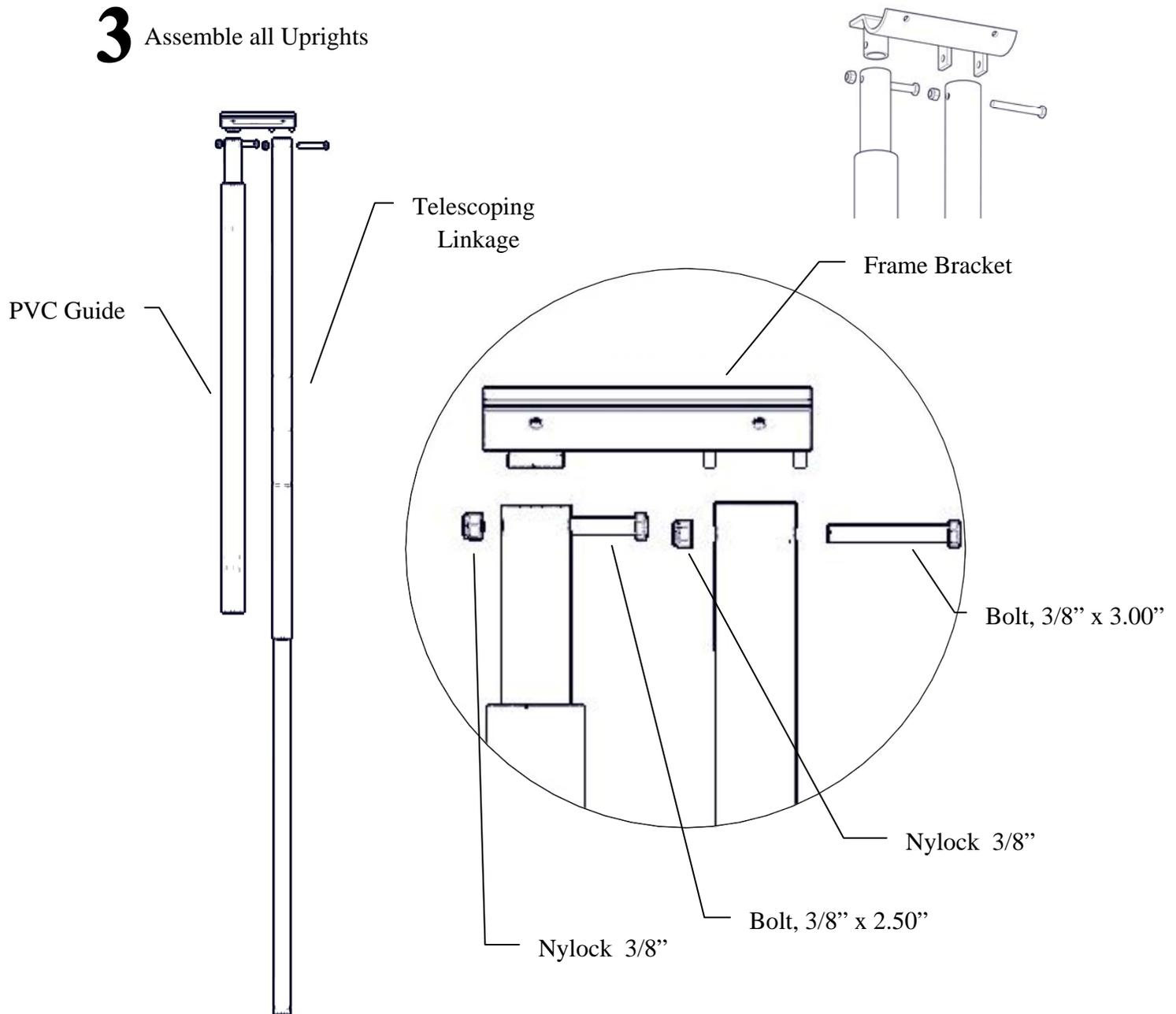
## **2** Assemble all Slide Tubes



Note orientation

## Assembly

### 3 Assemble all Uprights

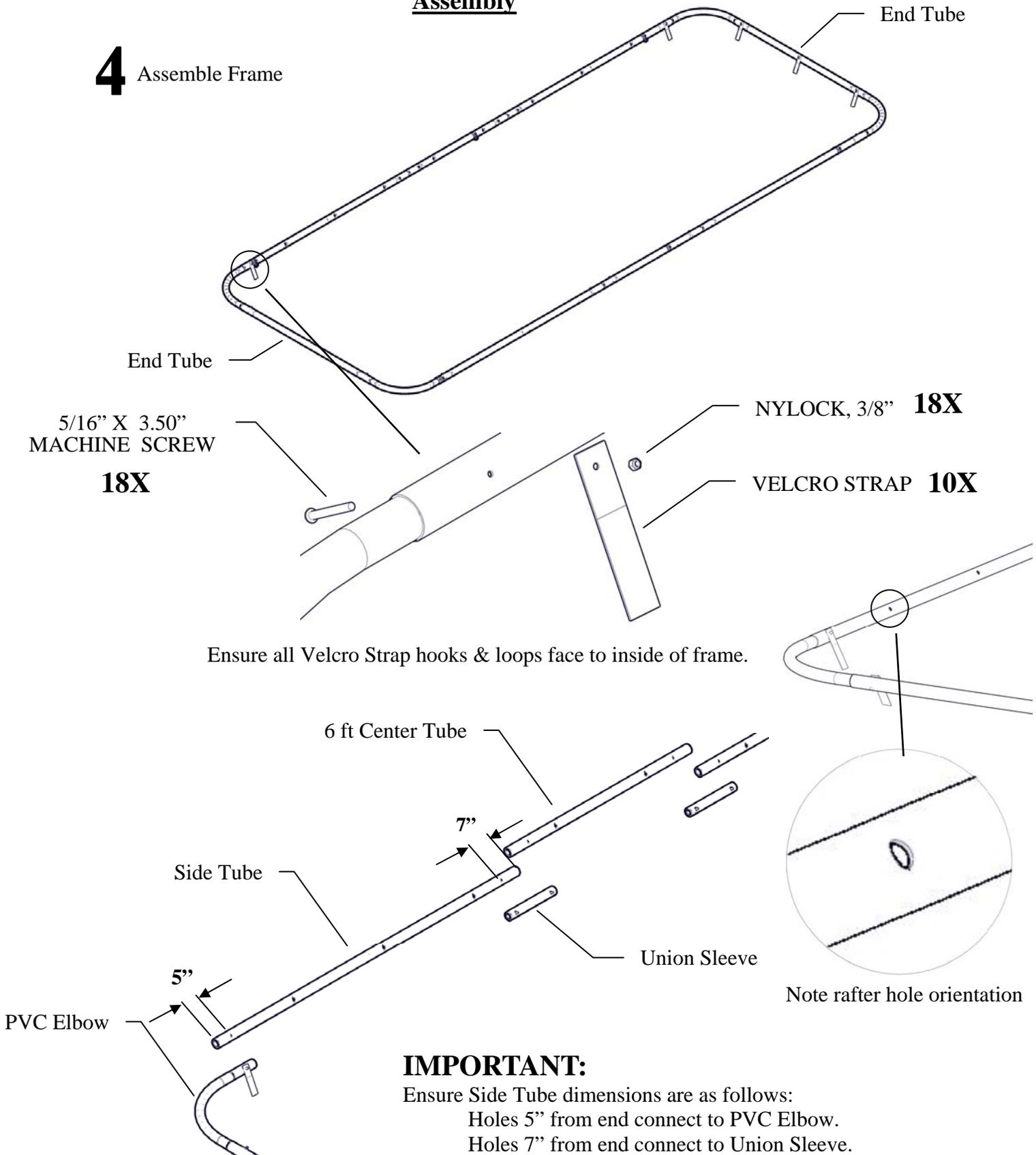


### **IMPORTANT:**

Do not over tighten bolt. Squeezing the frame bracket prevents Linkage from pivoting.

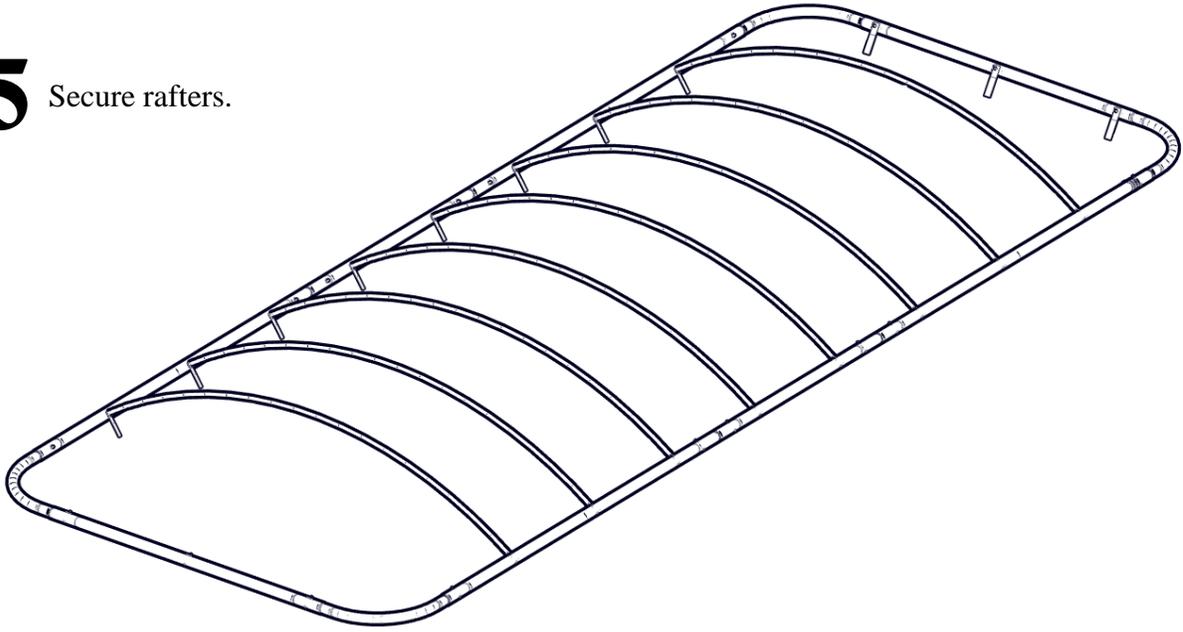
## Assembly

### **4** Assemble Frame



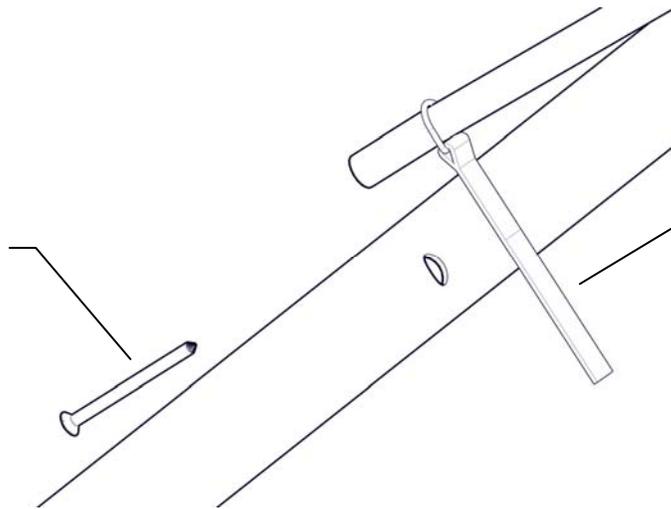
## Assembly

**5** Secure rafters.



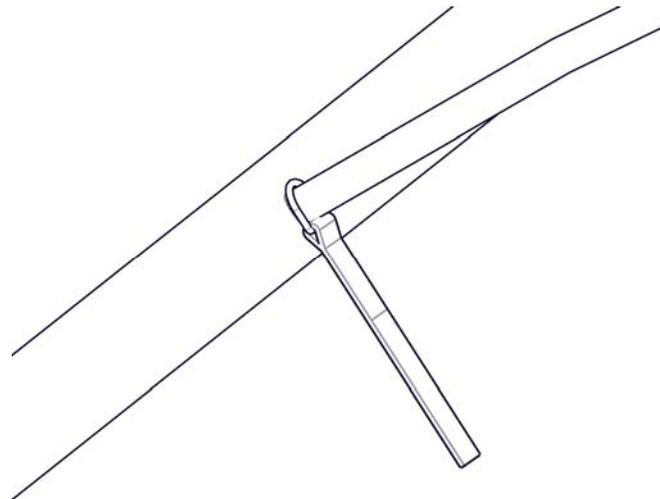
#14 x 4.00"  
Self Threading Screw

**16X**



D-Ring Velcro Strap

**16X**

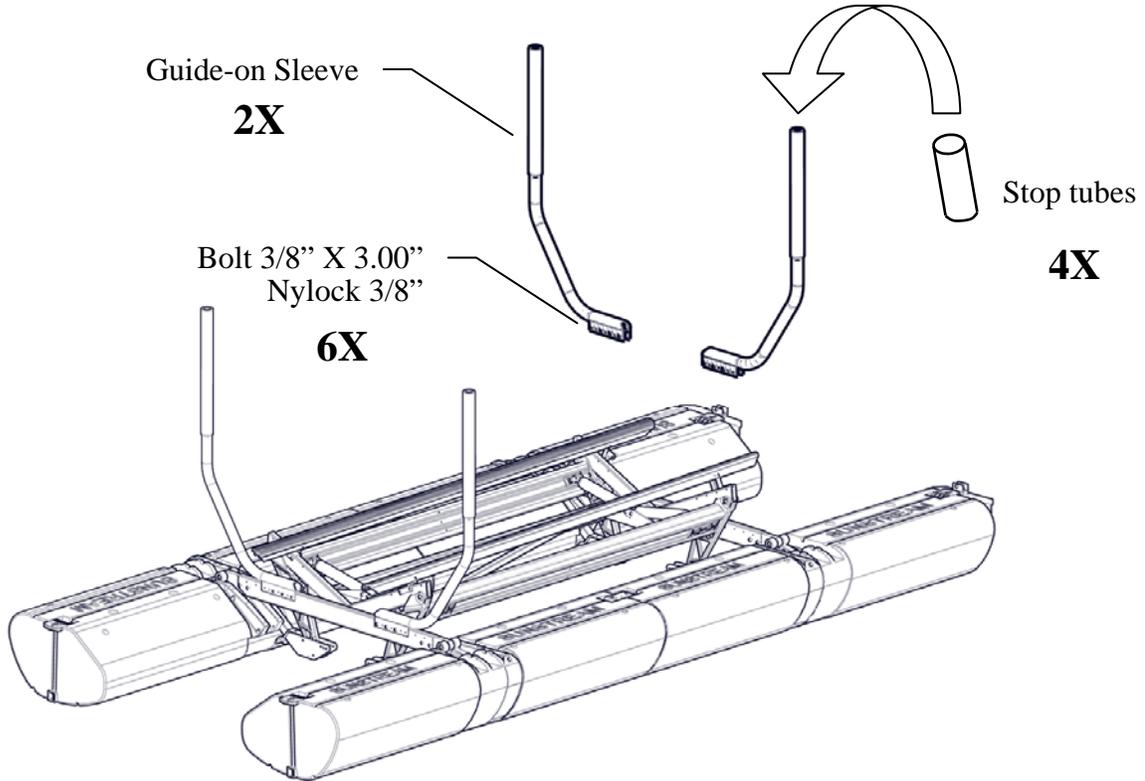


Ensure all Velcro Strap hooks & loops face to inside of frame.

## Assembly

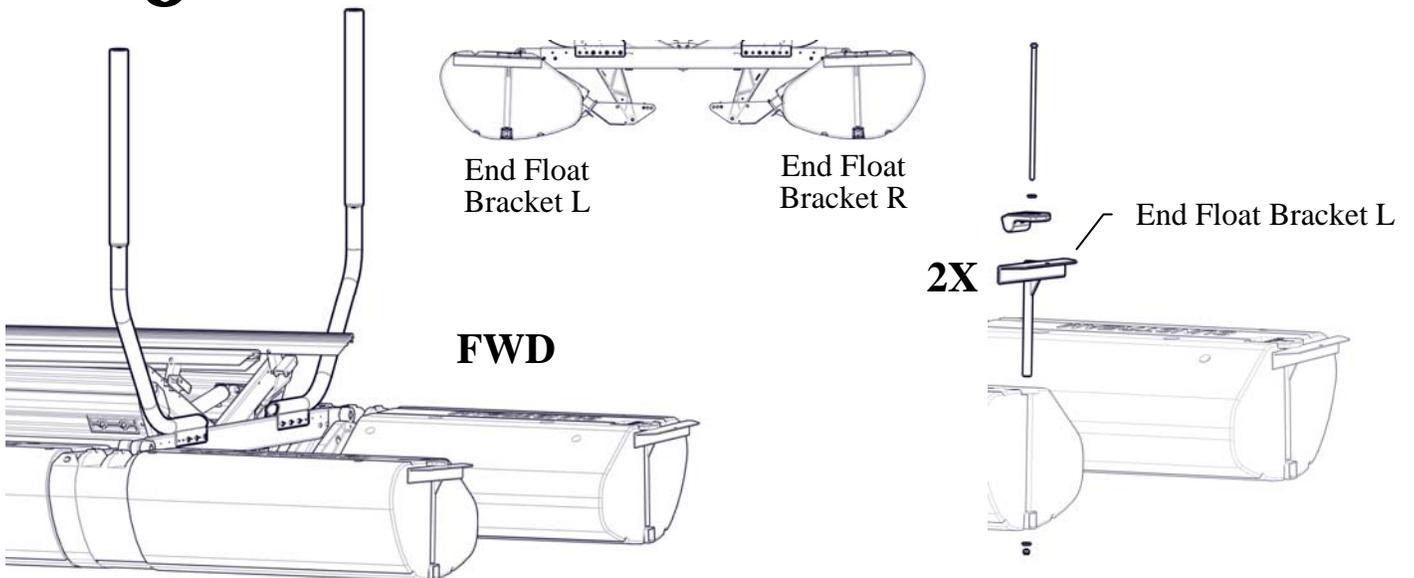
**6** Remove Guide-on caps from existing guide-ons.

**7** Install additional guide-ons and drop stop tubes down guide-ons.



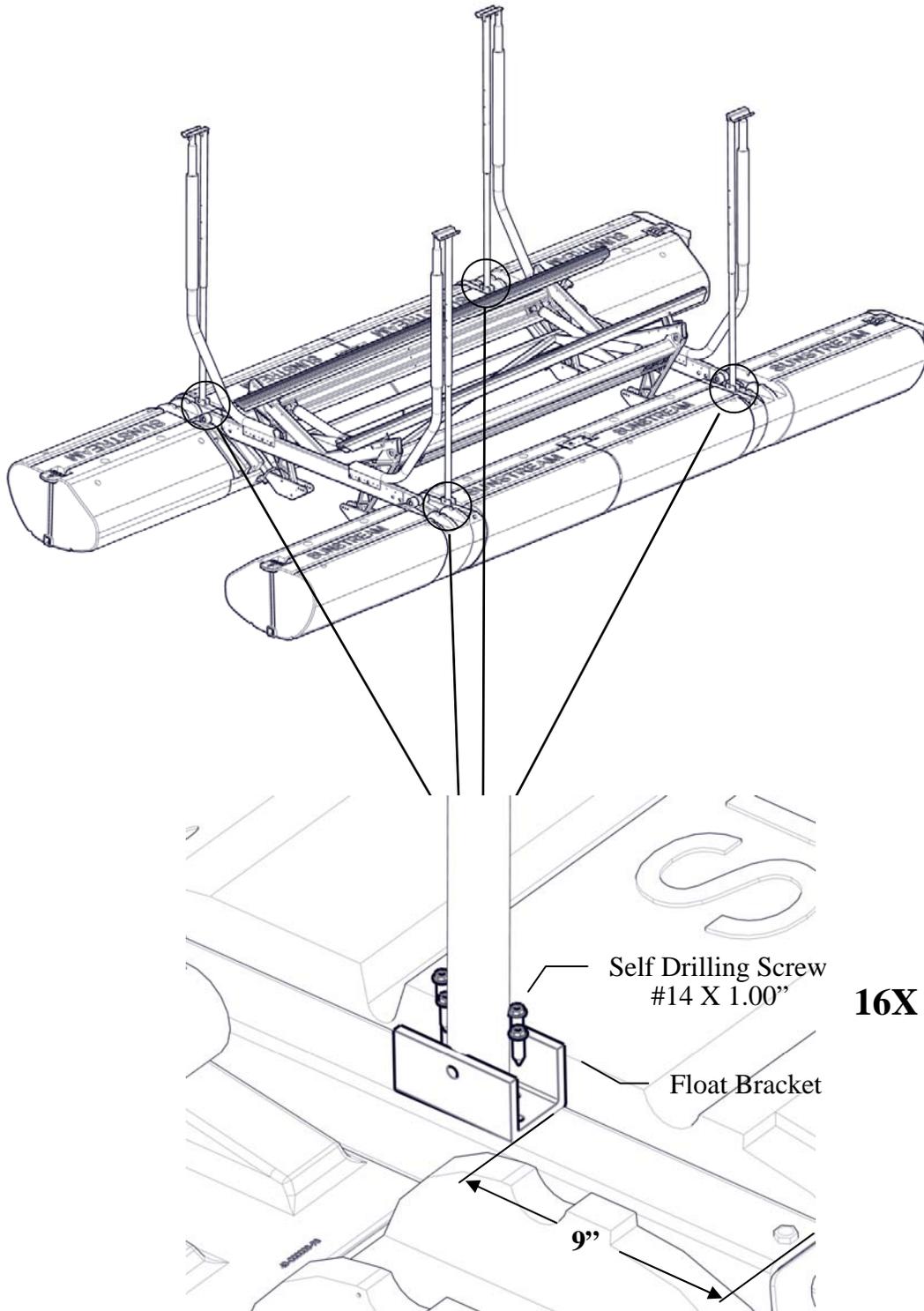
Set guide-ons to desired boat beam width.

**8** Install End Float Brackets



## Assembly

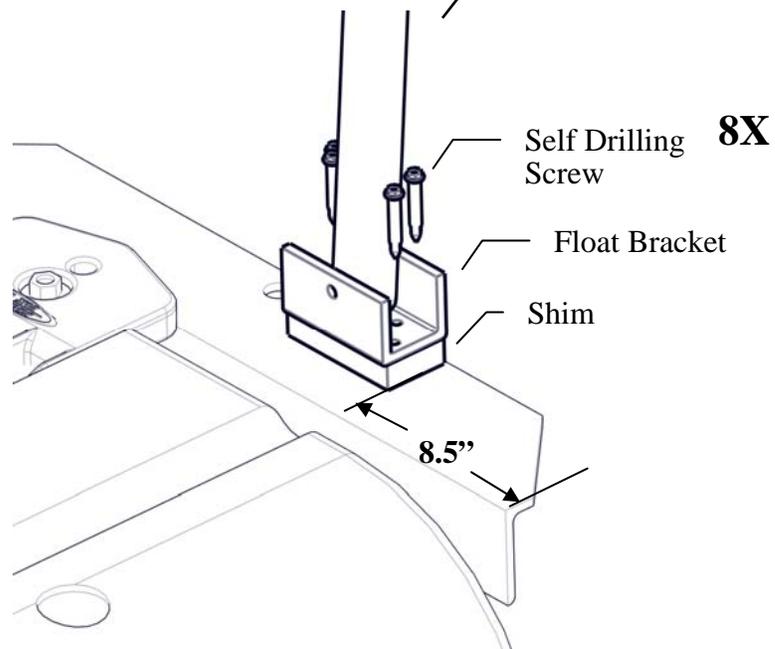
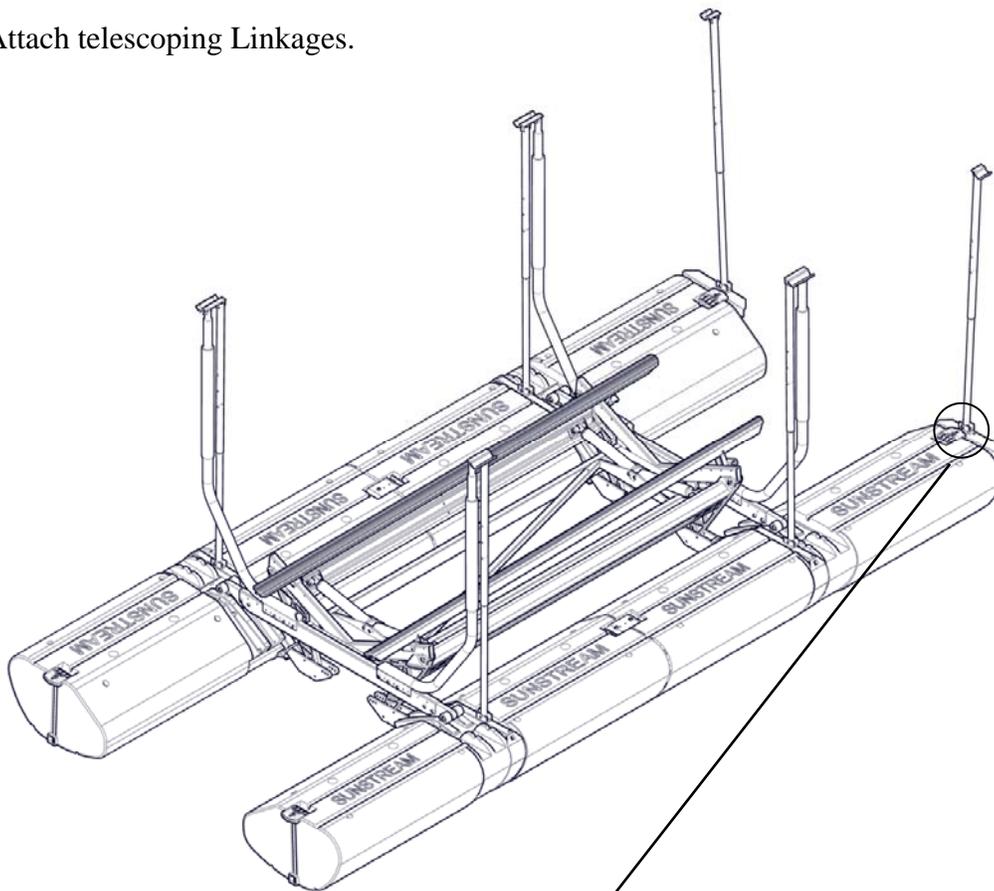
### **9** Align Telescoping Linkages with Guide-ons.



Position Float Bracket an attach with Self Drilling Screws. If a 3/8" Nut Driver is not available, drill a 3/16" hole and install with 3/8" socket wrench. Dimension reflects approximate location.

## Assembly

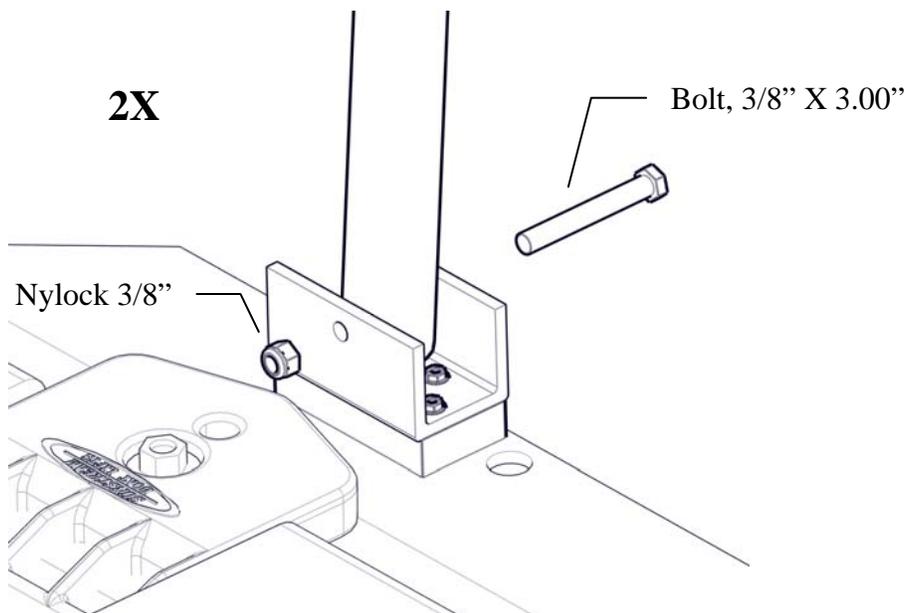
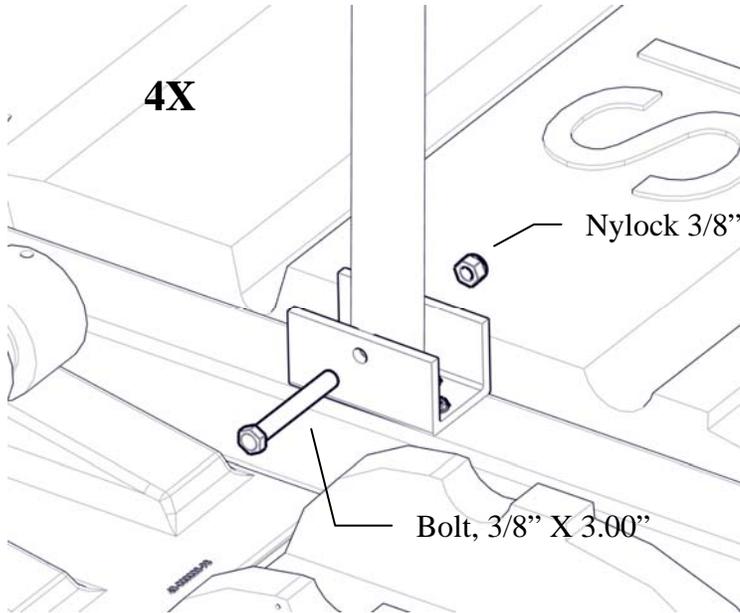
### **10** Attach telescoping Linkages.



Position Float Bracket and attach Self Drilling Screws through shim and secure into end float brackets. Shim can be pre-drilled prior to securing. Dimension reflects approximate location.

## Assembly

### **11** Align Telescoping Linkages with Guide-ons.



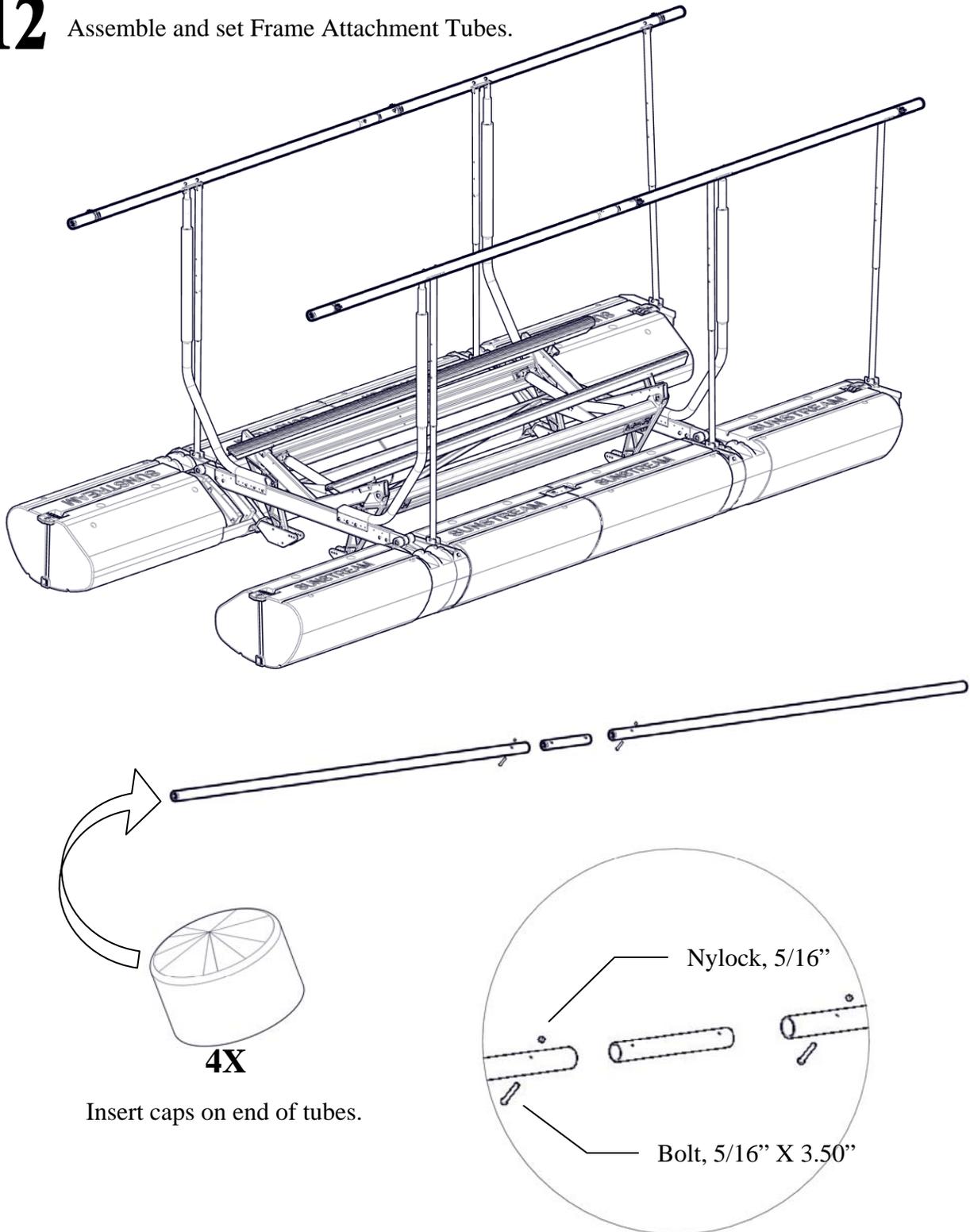
### **IMPORTANT:**

Do not over tighten bolt. Squeezing the float bracket prevents Linkage from pivoting.

## Assembly

# 12

Assemble and set Frame Attachment Tubes.

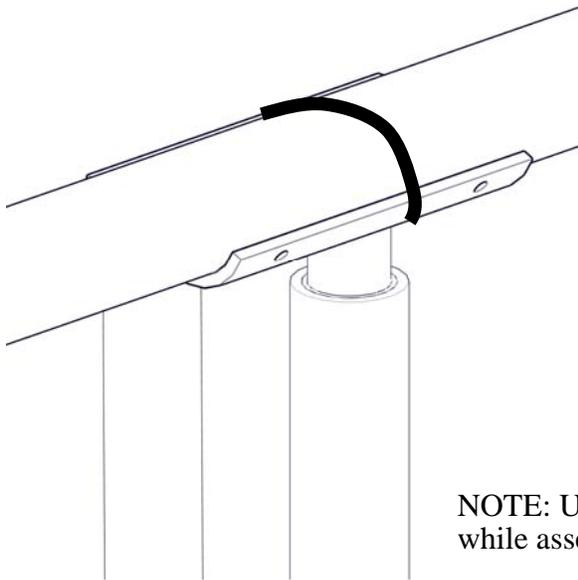
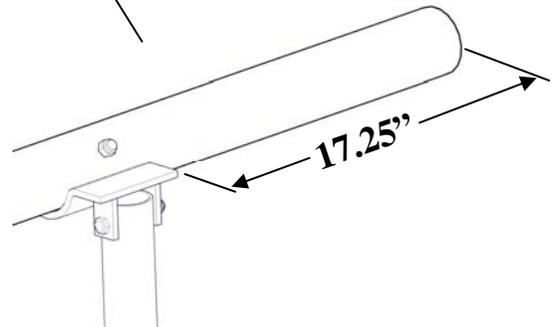
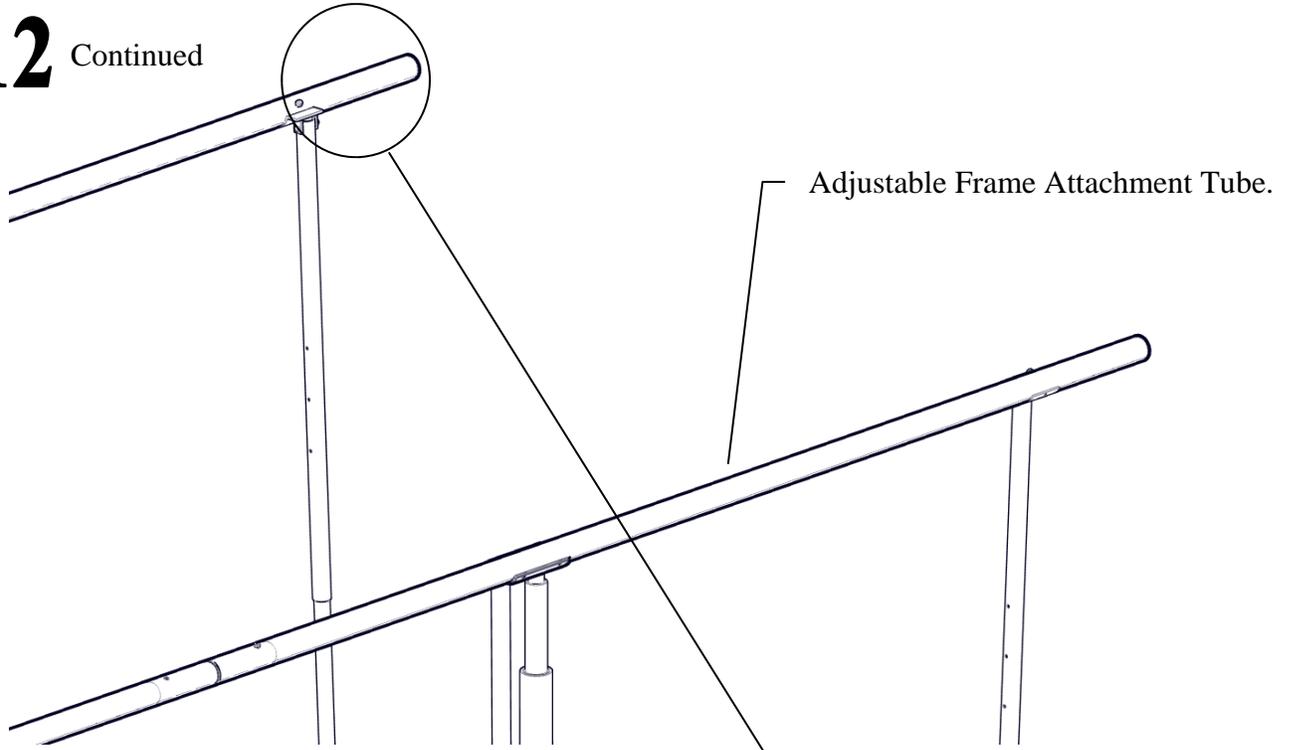


### **IMPORTANT:**

Set Adjustable Frame Attachment Tubes on Frame Brackets and position to desired location.

Assembly

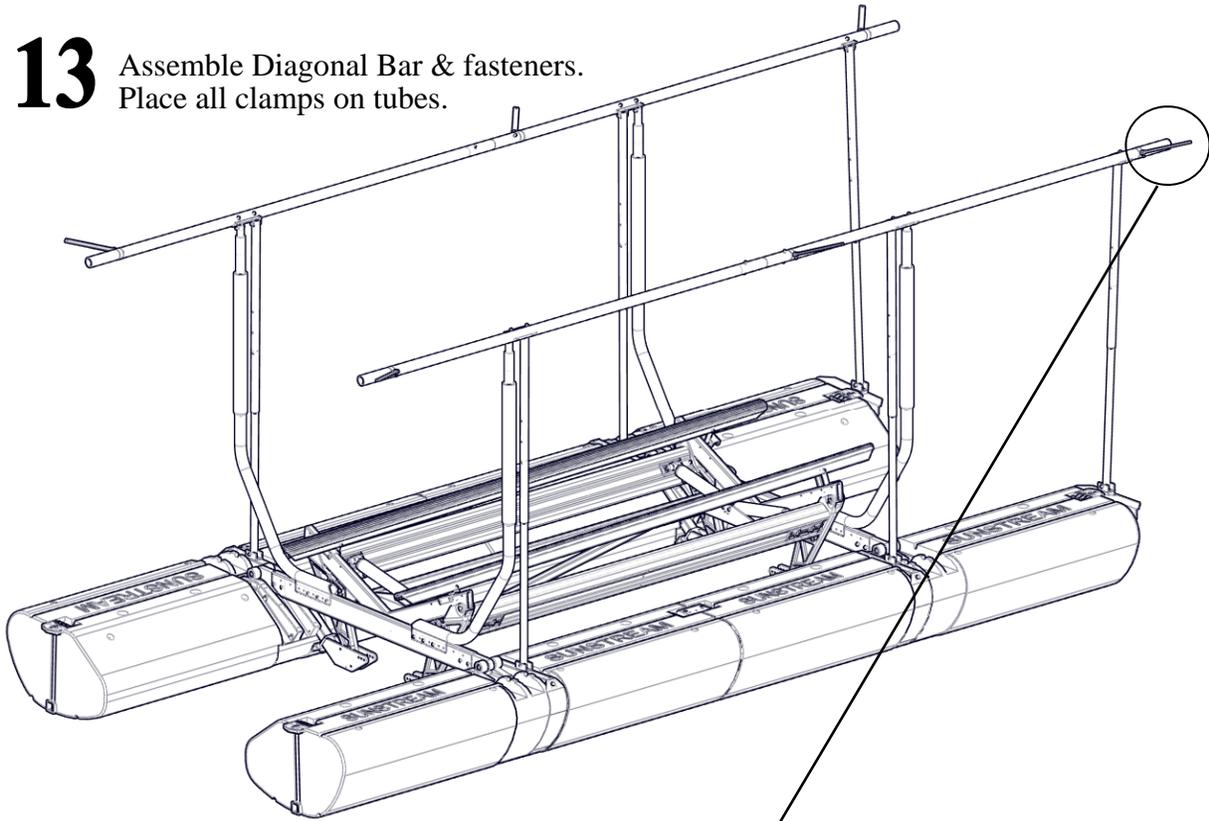
**12** Continued



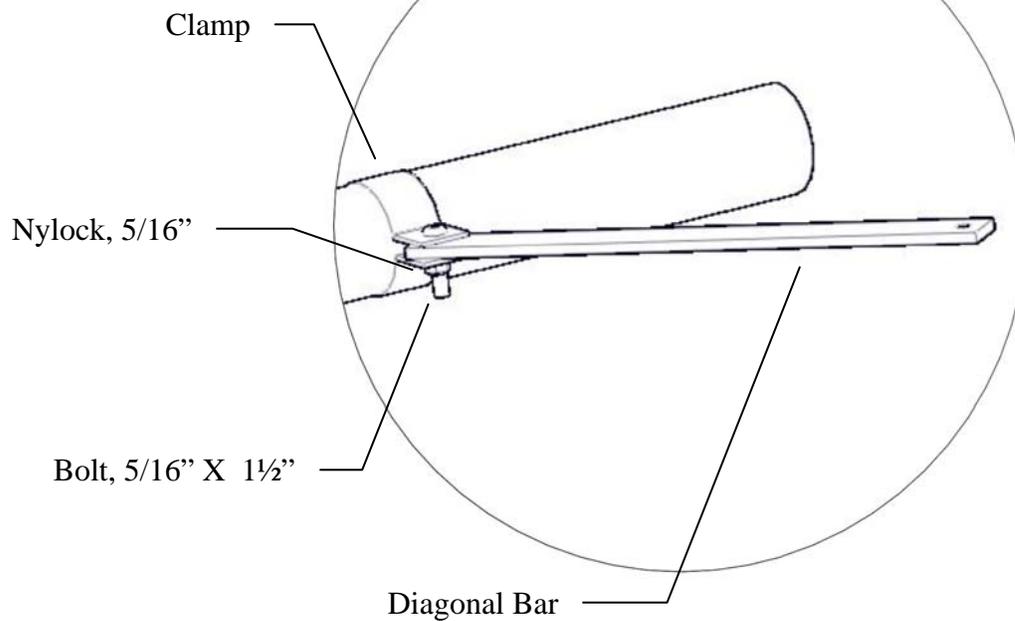
NOTE: Use wire ties to temporarily hold frame while assembling.

## Assembly

- 13** Assemble Diagonal Bar & fasteners.  
Place all clamps on tubes.



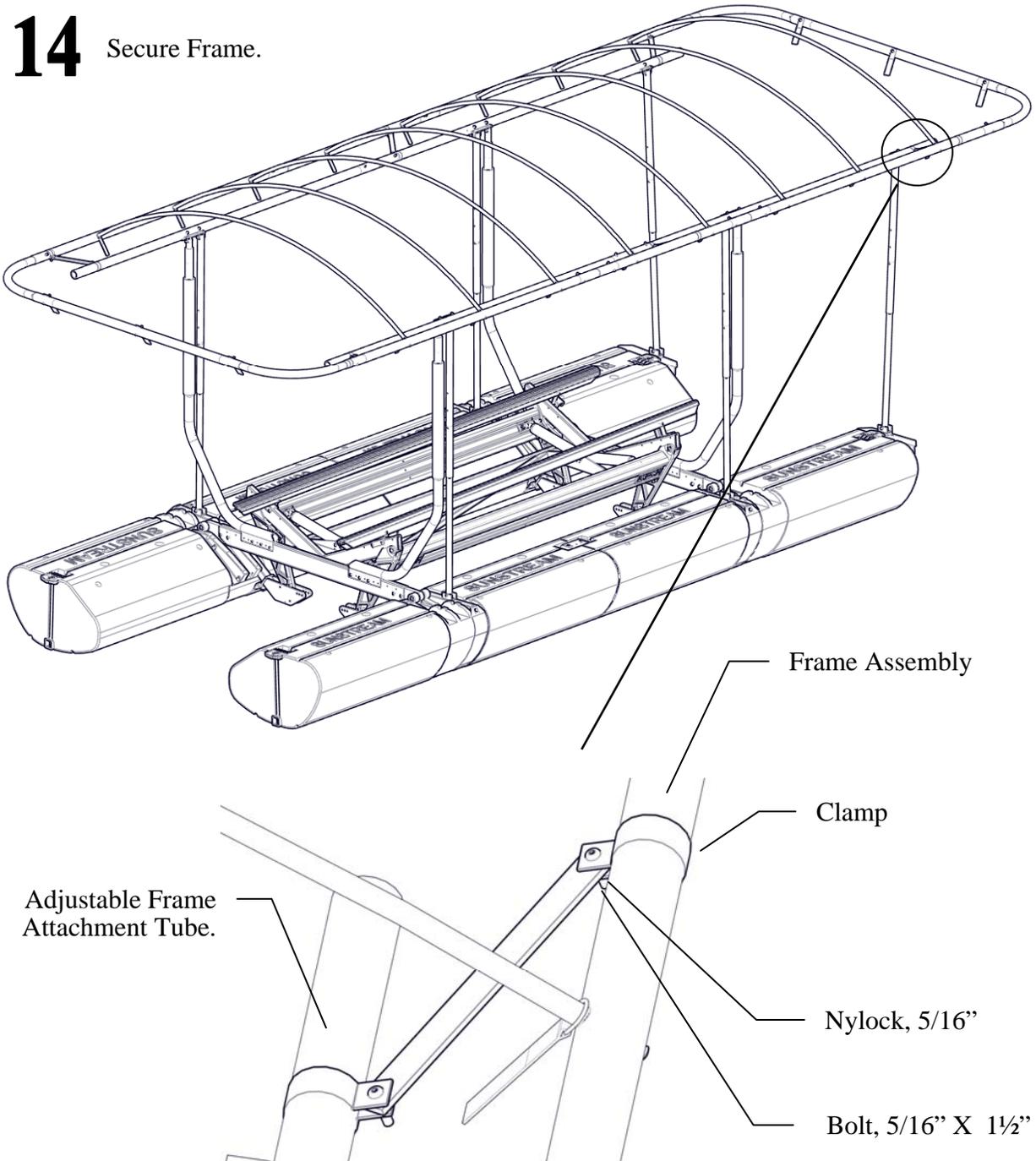
**6X**



Center middle clamps and locate end clamps approximately 10" from end of tubes.

## Assembly

### 14 Secure Frame.

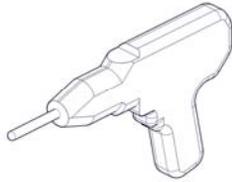


### **IMPORTANT:**

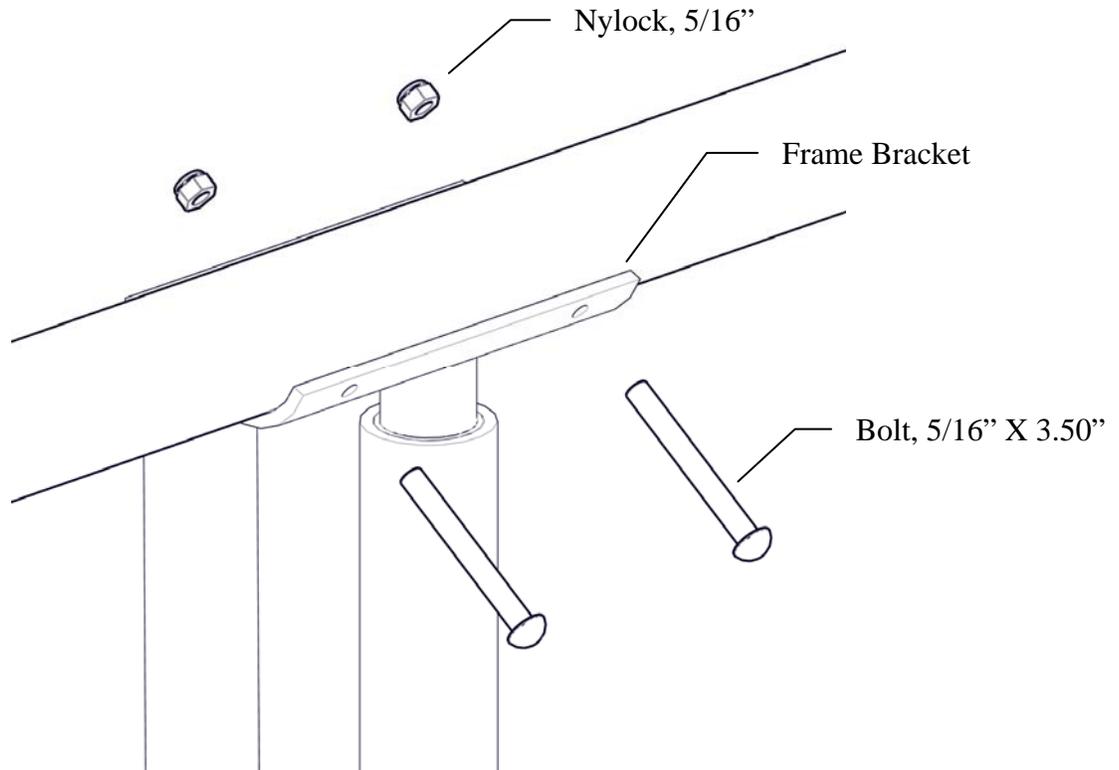
Set Hovercover Frame Assembly on Adjustable Frame Attachment Tubes and adjust Frame Assembly to desired location over craft. Attach Frame using Clamps and fasteners.

## Assembly

# 15



10X



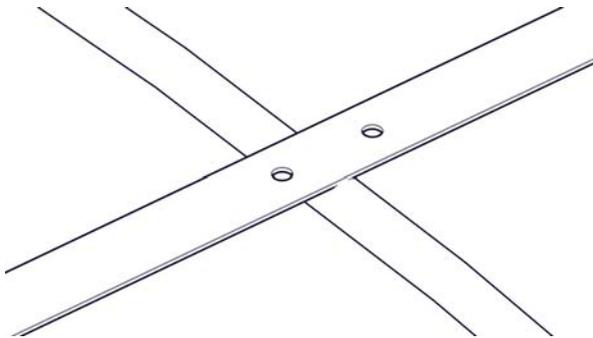
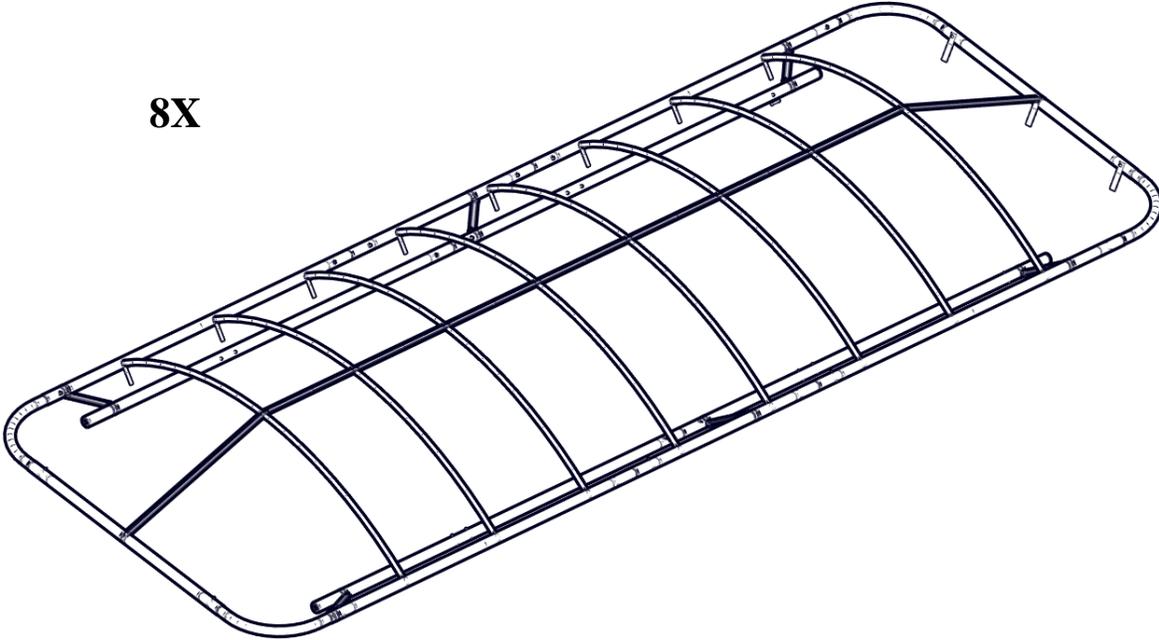
Drill using Frame Brackets as a template and attach fasteners. Repeat for all brackets including forward brackets. You can temporarily hold the frame to the frame brackets with Wire Ties. Remember to save 8 for step 16.

## Assembly

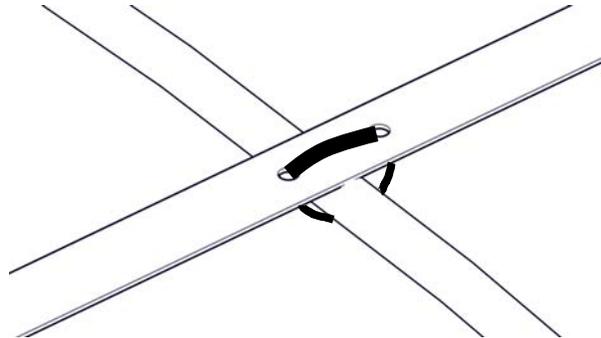
# 16

Secure High Wind strap

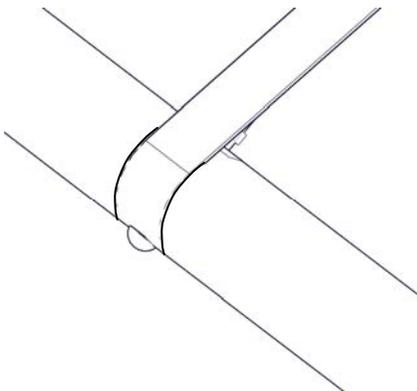
8X



Align strap grommets over rafter.



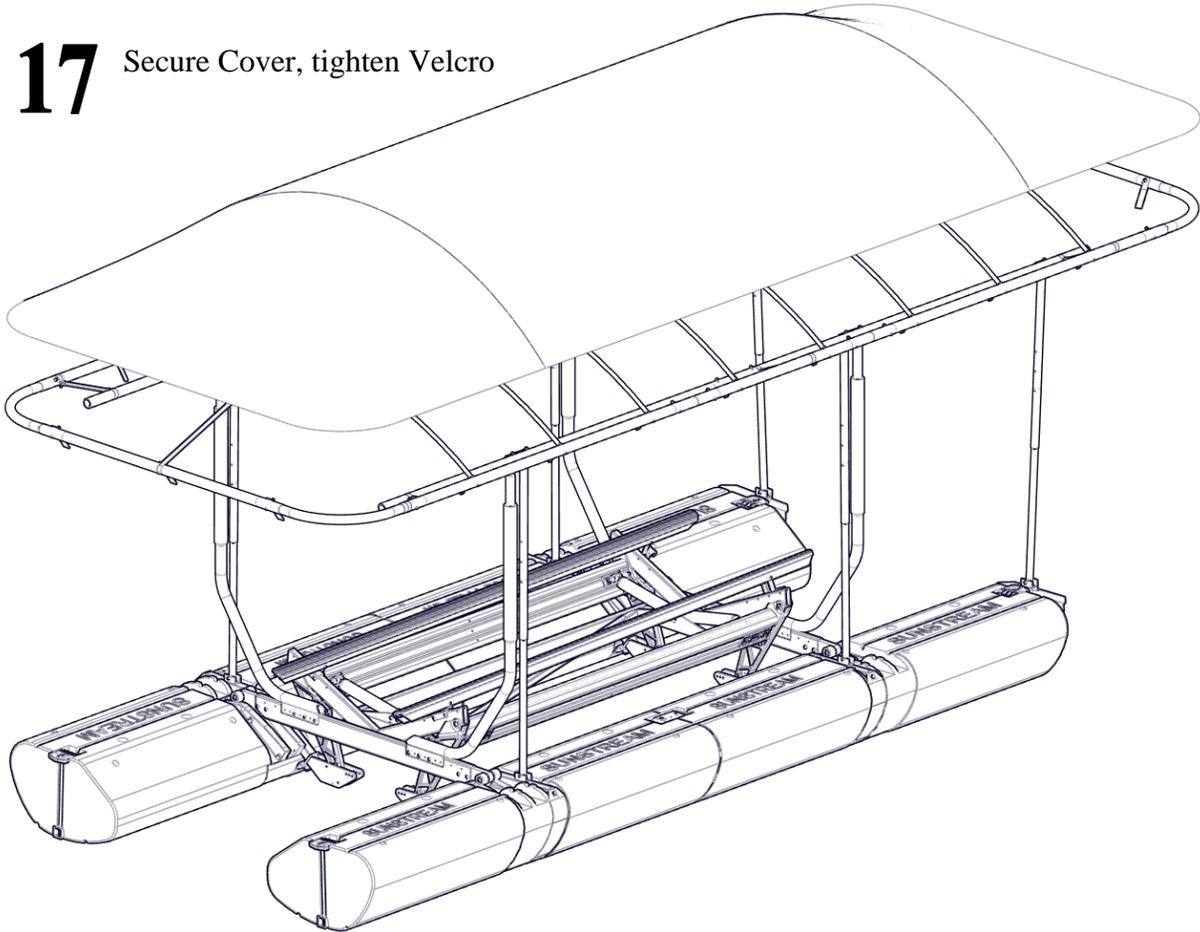
Secure rafter with Wire Tie. Ensure Wire Tie joint doesn't rub on fabric.



Wrap strap around forward & aft frame tube and secure with fastener.

## Assembly

### **17** Secure Cover, tighten Velcro



1. Lay fabric over Frame.
2. Pull the corner pockets over the Frame Elbows & leave the split corner for later.
3. Pull split corner over Elbows. Pull long side of fabric over frame and then pull the split corner over Elbow last.
4. **IMPORTANT** - Pull Velcro straps through drawstring but do not secure Velcro yet.
5. Tighten drawstring **TIGHTLY** and tie rings together.
6. Tighten Velcro straps.

#### **CAUTION:**

Tighten drawstring prior to securing Velcro. Water may pool in corners if cover is improperly secured.

## Height Adjustment

### **FL10 Hovercover clearances with lift up and down.**

Height of the Hovercover is adjusted with the Telescoping Linkages.

The Hovercover has four preset positions incrementing every six inches. The height clearances for the Hovercover are:

1. With the lift in the up position, the distance between the bottom of the boat and the bottom of the Hovercover frame.
2. With the lift in the down position, the distance between the surface of the water to the bottom of the Hovercover frame.

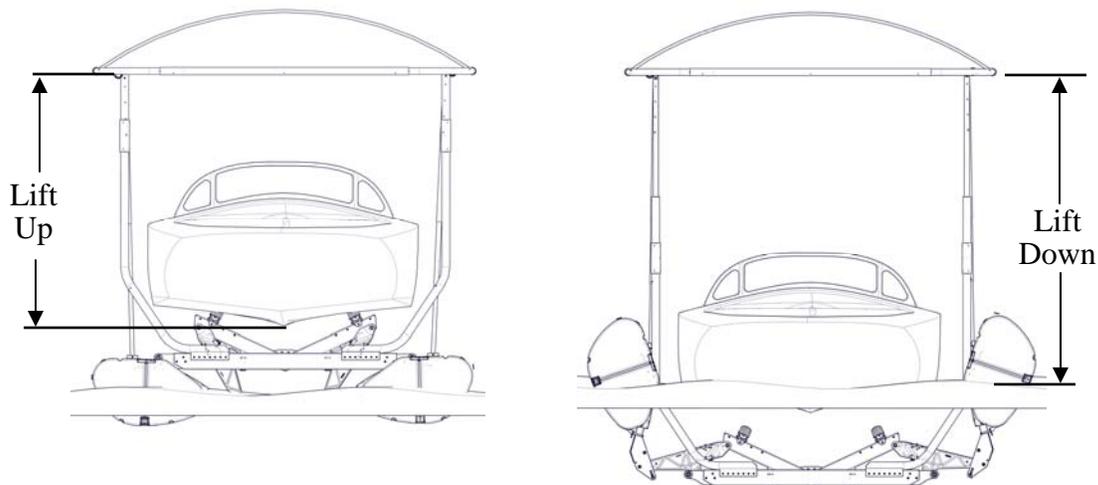
The Hovercover can be set to the following range of heights .

	Lift Up	Lift Down	Maximum Boat Height
Minimum Height	72"	97"	-
Maximum Height	84"	109"	103"

#### **NOTE:**

**Maximum and Minimum Heights are calculated from boat models with a 21° dead-rise hull.**

**Maximum Boat Height assumes curved windshield. Actual height will be determined by shape of boat.**



## **Safety Instructions**

*If you have any questions, please call your dealer, or Sunstream at (253-395-0500).*

### **Save These Instructions**

Your safety and the safety of others is very important. Proper use of the information in this manual will help avoid potential hazards that could cause damage to property and/or personal injury. It is not possible, however, to identify and warn users of all hazards associated with the assembly, installation, operation, and maintenance of the Float Lift. You must use your own good judgment.

Failure to comply with the following rules may result in severe injury and/or death and damage to property.

1. Refer to your FloatLift™ owner's manual to review safety specifications for your FloatLift.
2. The Hovercover moves from a raised position to a lowered position relative to your boat. In the lowered position, the Hovercover is meant to provide a close fit to your watercraft. Be aware of people in the boat and the risk of the Hovercover contacting them.
3. Be sure the Hovercover's height range is properly adjusted for your watercraft to avoid damage to boat windshields or other high reaching fixtures.
4. Avoid putting your hands or other body parts on the Hovercover's moving parts while the Hovercover operates. Do not let children or others contact the Hovercover's moving parts while it operates.
5. Be aware of environmental forces while using the Hovercover. Strong winds may cause the cover to become unstable. Excessive wave action may cause the cover to become unstable. Remove the fabric cover in the case of predicted extreme weather.
6. The Hovercover is a lightweight structure that is NOT designed to hold body weight. DO NOT hang from the Hovercover.

## **Maintenance**

1. Sunstream recommends an annual inspection by your Sunstream dealer.
2. Refer to your FloatLift™ owner's manual to review maintenance requirements for your FloatLift.
3. Check telescoping PVC guides for binding and add light lubrication as needed. If binding continues, wrap duct tape around base of outer PVC Guide.
4. Check Velcro connections from time to time to ensure a continued tight fit.
5. Report evidence of excessive wear and tear to your Sunstream dealer or to Sunstream.
6. Remove canopy cover before snowfall.
7. Remove canopy cover if winds exceed 30 mph for a prolonged period of time.
8. Do not allow water to collect on the canopy fabric. Re-tighten tightening cords and/or adjust rafters to avoid such water collection.
9. Remove your canopy top for off-season storage or if boat is not on lift for an extended period of time.
10. Tighten nuts and bolts as needed.

## Standard Warranty

**WARRANTY:** Sunstream Corporation (“Company”) warrants its Products for non-commercial and/or non-governmental use for a period of three (3)\* years, in both fresh and salt water, to the original Purchaser (“Purchaser”) against manufacturing defects in all Product materials and workmanship beginning from date of purchase of the Product from Company\*\* under the following terms and conditions:

**NOTICE REQUIREMENTS AND REMEDIES:** If the Purchaser discovers a defect, the Company, or its authorized Company dealer or agent, will, at the Company’s option: (1) repair the Product, (2) replace the defective part, or (3) refund the purchase price of the Product upon confirmation by Company that the Product is defective, provided that the Company receives notice of the defect from the Purchaser or Company dealer before the warranty period lapses. Product changes caused by age or environment (such as marine growth or heat) shall not constitute a defect. Confirmation of the defect shall require that reasonable proof of the defect be provided by Purchaser to Company or Company dealer, and may include that the Product or part be returned to Company for inspection at Purchaser’s initial expense. This warranty shall not apply if Company receives notification after the before-stated deadline, regardless of when the defect occurred or was discovered, and regardless of the reason for the delay in notification. “Notification” shall be deemed to have occurred when the Purchaser or Company dealer sends written notice to Company by fax or by e-mail and when receipt is confirmed by Company’s response.

**EXCLUSIONS:** This warranty does not apply to damages caused by or due to: (1) accident (including, without limitation, collision, fire, flood, wind, ice or any other natural disaster or acts of God), abuse, misuse, overloading, out of level or improper boat loading (i.e.: not fully on, too far on, or crooked on lift), or (2) faulty assembly or installation if such assembly or installation was not performed by a Company employee or Company dealer. Company is not responsible for determining the weight or dimensions of Purchaser’s boat, and Purchaser is advised that published boat specifications are often inaccurate. This warranty is void if the Product has been modified without the permission of the Company or if any Company serial number has been removed or defaced. Normal maintenance requires an annual inspection of the Product by a Company employee or Company dealer, including bolts, pins, hydraulics, pump, electronics, and welds and failure to undertake such maintenance may constitute “abuse.” Lift components’ fluid level and condition, including battery water and acid, SunFluid and strainer cleaning are maintenance items and are not covered by this warranty. Zincs, ropes, batteries, cosmetic concerns and custom coatings are not covered by this warranty. Batteries supplied by Company that are maintained in top operating condition by Purchaser are warranted for a period of one (1) year. Underwater light systems and the DockJock are not warranted for use in brackish or salt water. This warranty does not void or alter any rights the Purchaser may have against dealers or suppliers of component parts.

**SALT WATER REQUIREMENTS AND EXCLUSIONS:** If any Company Product is used in brackish or salt water, the Purchaser agrees that proper maintenance requires that the Purchaser shall attach to the product, maintain and regularly check sacrificial anodes, also known as “zincs,” in order to prevent electrolysis from damaging the lift metals, and that failure to attach and maintain the zincs constitutes “abuse.” \*\*\* Underwater light systems and the Dock Jock™ personal watercraft lifts are not warranted for brackish or salt water use regardless of zinc use.\*

**INTERNATIONAL WARRANTY:** The Purchaser agrees that if the Product leaves the borders of the United States of America, Puerto Rico or Canada, replacement parts shall be shipped with the dealer’s next container order. International dealers have the option of using parts from stocked product if possible to expedite response. Purchaser has the option to pay for expedited freight if desired.

**LIMITATIONS:** Except as expressly stated herein, there are no warranties, expressed or implied, by operation of law or otherwise, of the Product furnished under this Agreement. Seller disclaims any implied warranty of merchantability or fitness for a particular purpose. The sole remedy for liability of any kind shall be limited to the remedies provided in this warranty and shall in no event include any incidental, indirect, special or consequential damages or loss of use, revenue or profit. State law may override the above exceptions or limitations.

\*Fresh water applications for underwater light systems and the Dock Jock™ winch and strap are warranted for one (1) year; salt water applications are not warranted for these Products.

\*\*If the Product is purchased from a Company dealer, the warranty term begins upon the date the Product is sold to the end Purchaser or three (3) months from the date the Product is shipped from Company, whichever occurs first.

\*\*\*Under normal conditions, zincs should last at least one (1) year. If Purchaser observes that the zincs are deteriorating in a shorter time period, an external current could be entering the system and the Purchaser must find the source of this current and stop it, or change zincs more frequently.

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### Sunstream Corporation

22149 68<sup>th</sup> Avenue South

Kent, WA 98032

USA

Web Site: [www.sunstreamcorp.com](http://www.sunstreamcorp.com)

Phone: 1-253-395-0500

001-253-395-0500 (Int'l)

E-mail: [warranty@sunstreamcorp.com](mailto:warranty@sunstreamcorp.com)

Fax: 1-253-395-0501

001-253-395-0501 (Int'l)