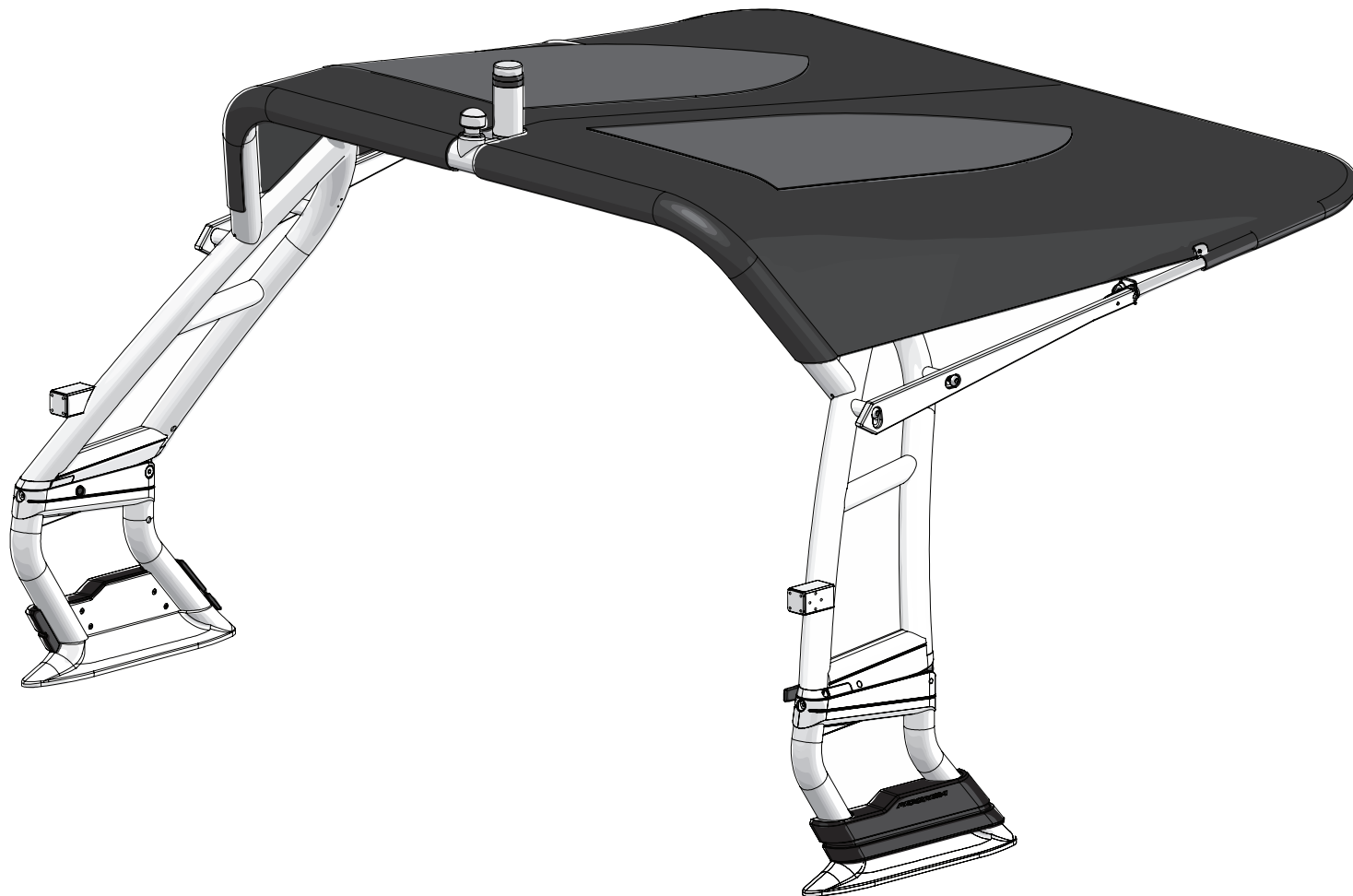


MOOMBA

**Tower &
Accessories**
Care / Maintenance / Operation



MOOMBA A3 TOWER

Tower Center Section # C915-117100, C915-117101, C915-119105

Tower Port Side # C915-117103, C915-117105

Tower Starboard Side # C915-117102, C915-117104

Bimini Arms # C915-117179

Bimini # C915-119153, C915-116382

Triton Board Rack # C915-118179

Push Button Swivel with Quick release # C915-116063

Wake Surf Rack # C915-116071

Information: info@roswellmarine.com

Warranty: warranty@roswellmarine.com

If you have any questions please call : 1-321-638-1331



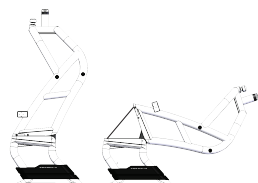
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Tower Features _____ **04-05**



Bimini _____ **06-09**

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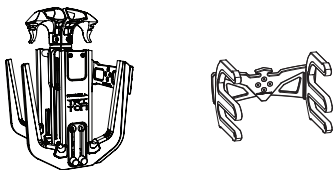
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Trailerling pg 12

Tightening Canvas pg 13

Tips & Tricks pg 14

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Board Racks _____ **17-24**

Triton Rack pg 18-20

Swivel Operation pg 21

Wake-Surf Rack pg 22

Quick Release pg 23-24

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GENERAL TOWER CARE & MAINTENANCE

This product is to be used for the sole purpose of wakeboarding, wakesurfing, hydrofoiling, and kneeboarding.

The tower is intended to center tow a maximum of two wake boarders at one time and no more than 400lbs (181kg) collectively.

Check all tower hardware before every use on the water. We recommend keeping a set of allen wrenches on your boat for this purpose. Verify that all bolts, screws, and nuts are tight. Even with loctite they may loosen over time.

Never attach a tow rope to anything other than the tow head.

Do not use the board racks as entry/exit handles to get in and out of the boat – they are not designed for this purpose.

Never hang from the tower or speakers. Do not climb or sit on the tower.

Be aware of the tow rope at all times. Ensure that it is not attached to anything on the tower other than the tow head, and that the rope is clear of any cleats or objects on the boat before pulling the rider up and out of the water.

Never travel at speeds in excess of 30mph / 48kph (i.e. towing the boat on a trailer) or through extremely rough water with wakeboards, wakesurfers, skis, etc. In the racks.

Never travel at speeds in excess of 30mph / 48kph (i.e. towing the boat on a trailer) or through extremely rough water with the bimini in it's deployed state. ONLY travel with the bimini in it's folded state secured to the tower.

Be cautious when driving your boat on the water or on a trailer if you have board racks. They may decrease your clearance into a garage or slip. Rotate board racks inboard.

Check the clearance between your tower and any overhead obstacles including bridges, canals etc.

NEVER USE CLEANERS ON YOUR TOWER OR ACCESSORIES! Your Roswell tower has been treated with an automotive paint coating that forms a protective layer. A mild soap and water combination may be used to remove traveling grime or water spots. Clean with each use. Use only a soft cloth and never use any chemical cleaners. Treat as you would your vehicle. Wax to protect finish.

Happy Boating

A3 TOWER FEATURES



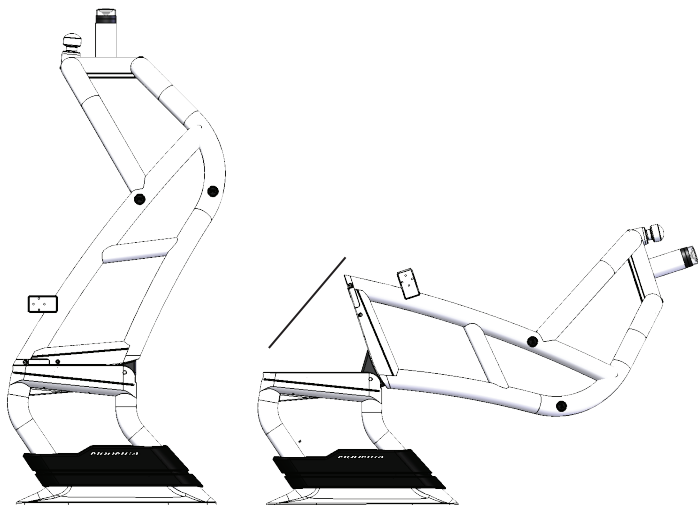
Tower Bimini

Get the shade you need when out on the water with the bimini for your tower.



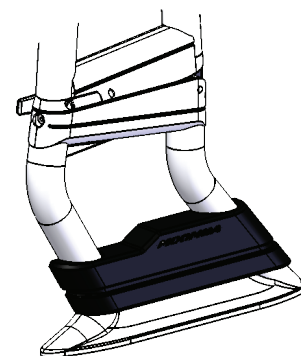
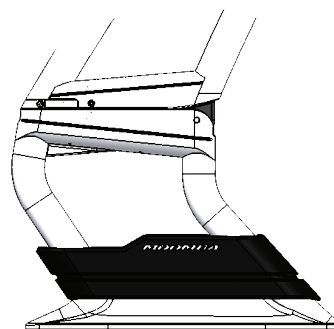
Surf Pockets

Surf pockets are a great place to store extra surfboards. When storing the boards make sure the nose goes in first with the fin pointing to the sky. Lock the boards in place by securing the bungee strap around the fin(s) of the board.



Tower Folding

Fold the tower with ease when you need. Whether you need to drive under a bridge or store your tower, this tower folds with Roswell's patented weightless fold down system.



Upgrade Kits

Upgrade Kits on your Moomba A3 tower include Moomba Accent lights that can be activated from your boat dash.

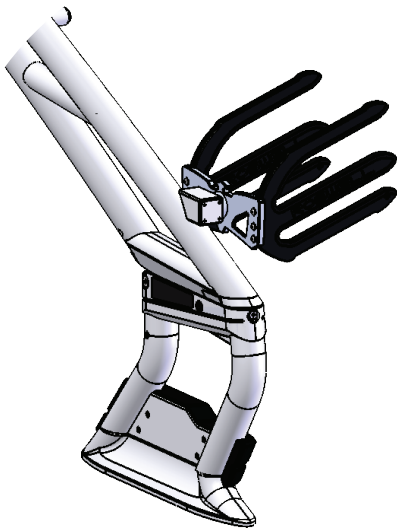
NOTE: More Information on Page 16-17

A3 TOWER FEATURES

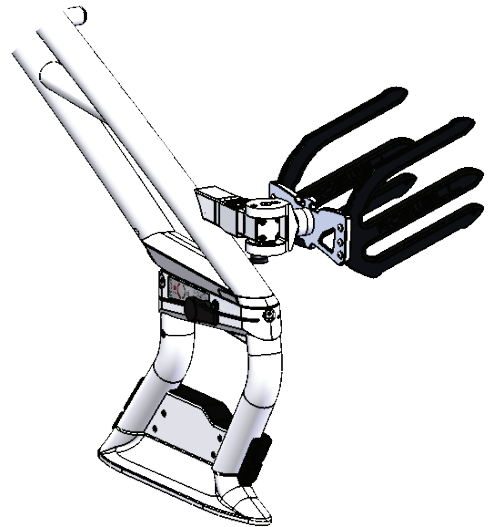
Two Styles of Mounts for Two Styles of Board Racks

Choose between a fixed mount or a swivel mount. The swivel mount also comes with a quick release option for your Wakesurf Rack or your vertical Triton Board Rack.

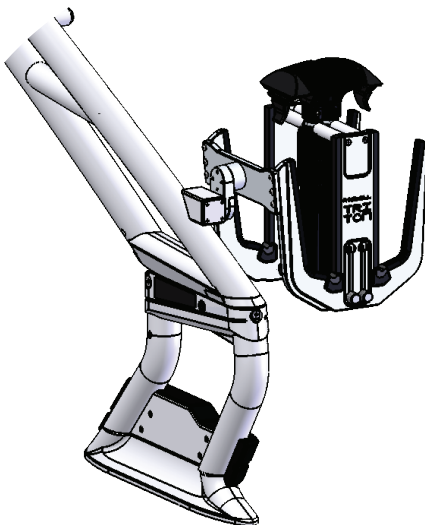
**Fixed Board Rack
C915-116071**



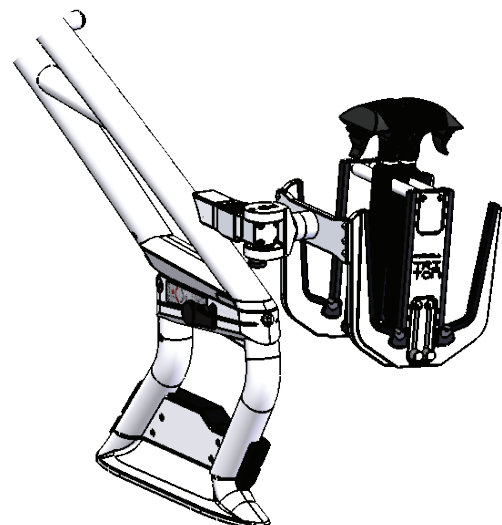
**QR Swivel Board Rack
C915-116063 with
C915-116071**



**Fixed Triton Board Rack
C915-118179**


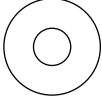


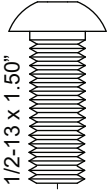
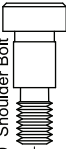
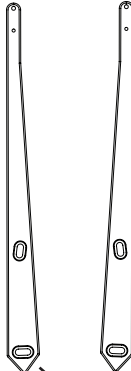
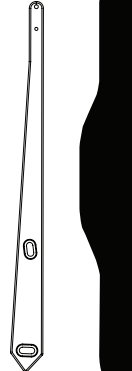

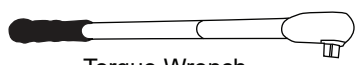
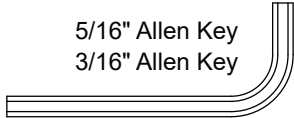

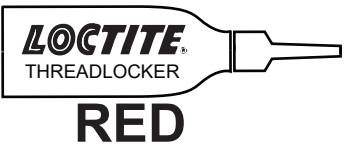


**QR Swivel Triton Board Rack
C9151-16063 with
C915-118179**



NOTE: More Information on Page 18-23

A3 Bimini Installation Instructions

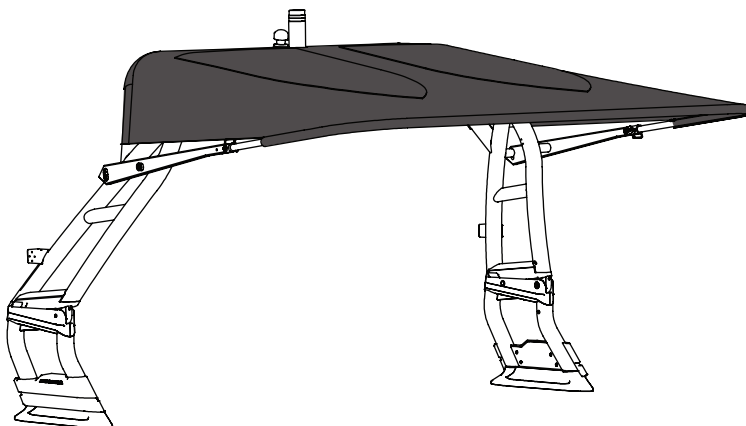
Hardware	Parts	Tools Required
 Bolt Washer x4  Pivot Washer x2  Paint Protection Washer x4  Shoulder Bolt Washer x2  1/2-13 x 1.50" x4  3/8-16 x 0.50" Shoulder Bolt x2	 Port Bimini Arm  Starboard Bimini Arm  Bimini Frame, Canvas, and Boot	 Torque Wrench  5/16" Allen Key  3/16" Allen Key  LOCTITE THREADLOCKER RED

Towers and tower accessories require regular maintenance. Tower hardware and retaining bolts can become loose with normal operation; it is the owner's responsibility to ensure all hardware is kept tight and secure. Corrosion and/or oxidation on coated surfaces as well as on all hardware are specifically excluded from warranty as their care, maintenance, and environments of use cannot be controlled by Roswell Marine. Damage due to misuse or improper care is also excluded from warranty. For full warranty details please contact your local dealer.

Roswell recommends 2 people for installation of the bimini.

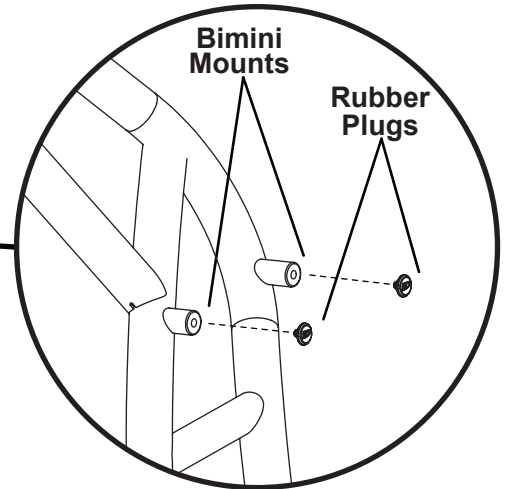
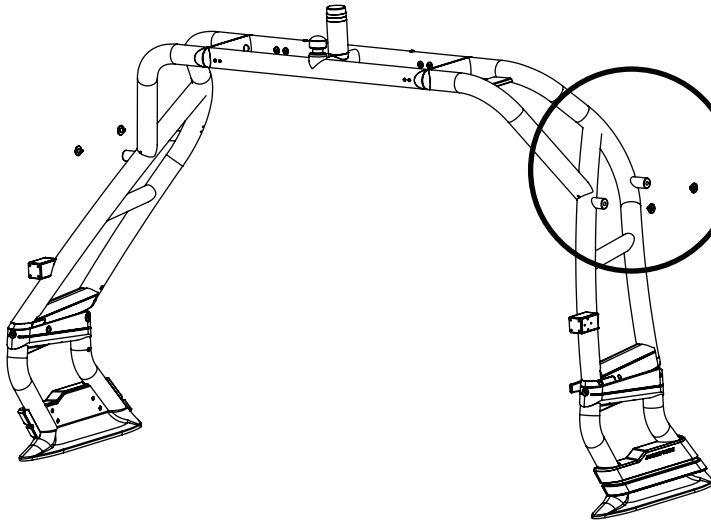
Important

Read & follow these installation instructions carefully. Failure to do so may result in an improper bimini installation. Damage to parts due to improper bimini installation is not covered under warranty.



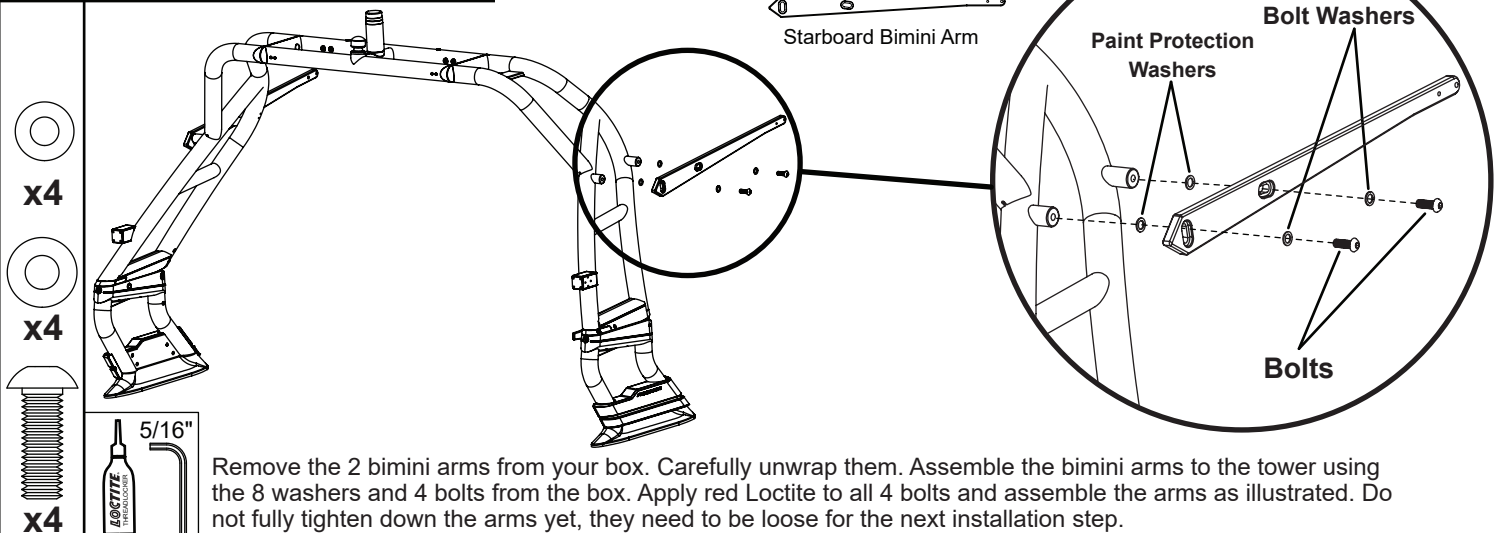
Moomba A3

A Preparing your tower



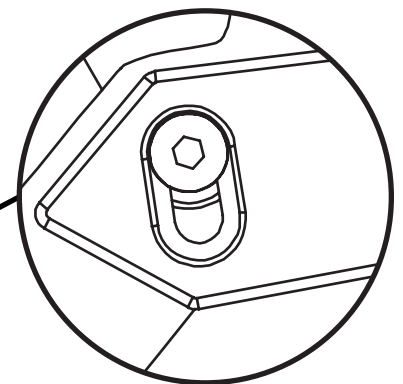
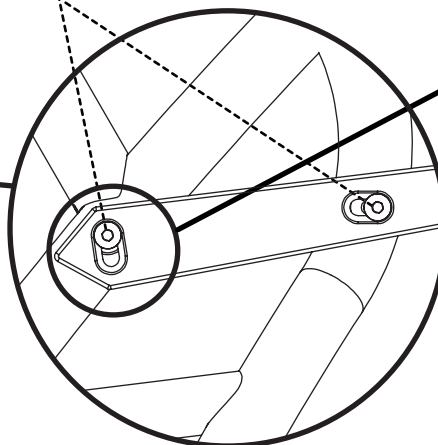
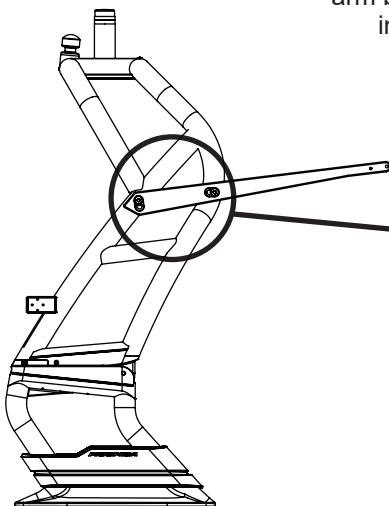
Remove the 4 rubber plugs from the bimini mounts on your tower. These are press fit into the bimini mounts and do not require any tools to remove.

B Installing Bimini Arms



C Tighten Bimini Arm Bolts

Position arms as illustrated, then tighten down the bimini arm bolts that were loosely installed in Step B.



****IMPORTANT****

Tighten the Rear Bolts at the top of the slots as illustrated.

Torque bolts to 40ft.lbs

D Bimini Frame Assembly

****This step requires 2 people****

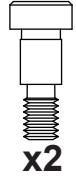
Remove the plastic wrapping from your bimini frame. Grab the 2 shoulder bolts, 2 pivot washers, and 2 shoulder bolt washers from your bimini box. Apply red Loctite to the 2 bolts. Attach the bimini frame to the bimini arms as illustrated. Make sure the pivot washers are sandwiched between the bimini arms and the bimini frame and that the shoulder bolt washers are under the heads of the shoulder bolts.



x2



x2



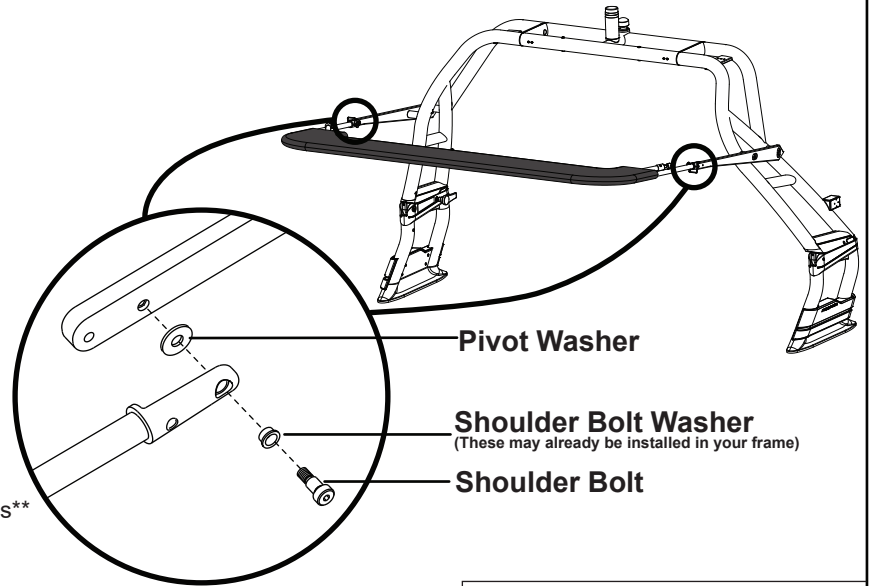
x2



3/16"

****Refer to page 15 for Alignment Tips & Tricks****

****To avoid installing the frame upside down make sure the middle bow rotates upward****



Pivot Washer

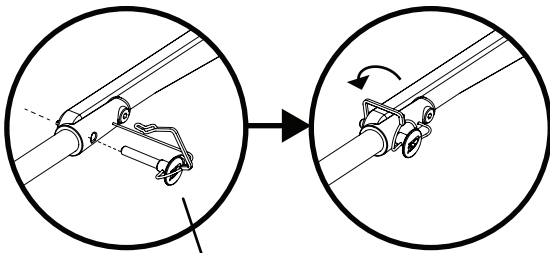
Shoulder Bolt Washer
(These may already be installed in your frame)

Shoulder Bolt

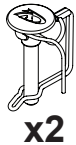
Torque bolts to 15ft.lbs

E Bimini Boot Removal

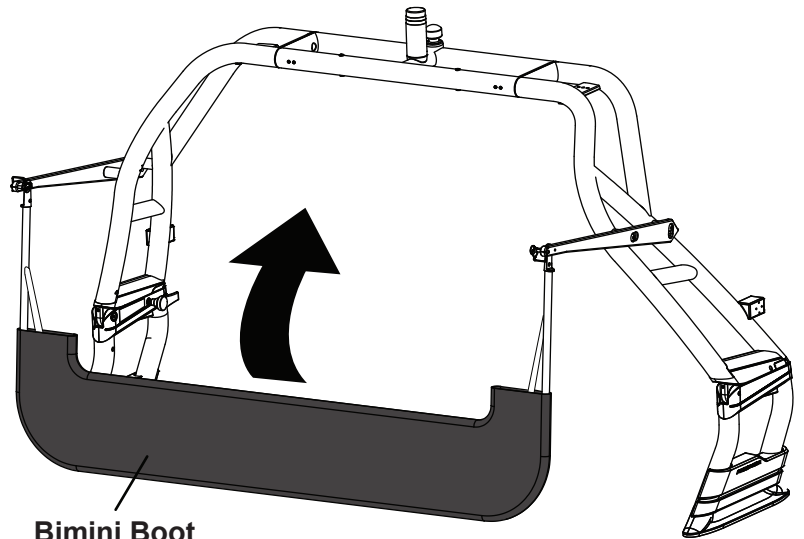
Unzip the bimini boot from the bimini frame. Unroll your fabric and middle bow. Rotate the frame upwards and insert the quick release pins through the arms and bimini frame.



Folding Quick Release Pin



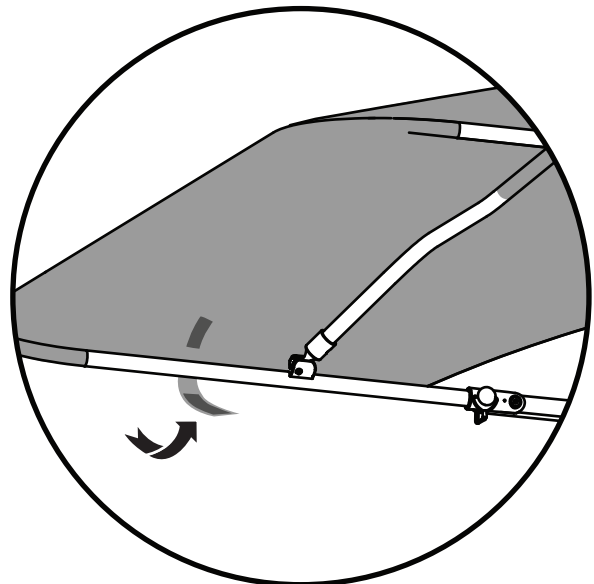
x2



Bimini Boot

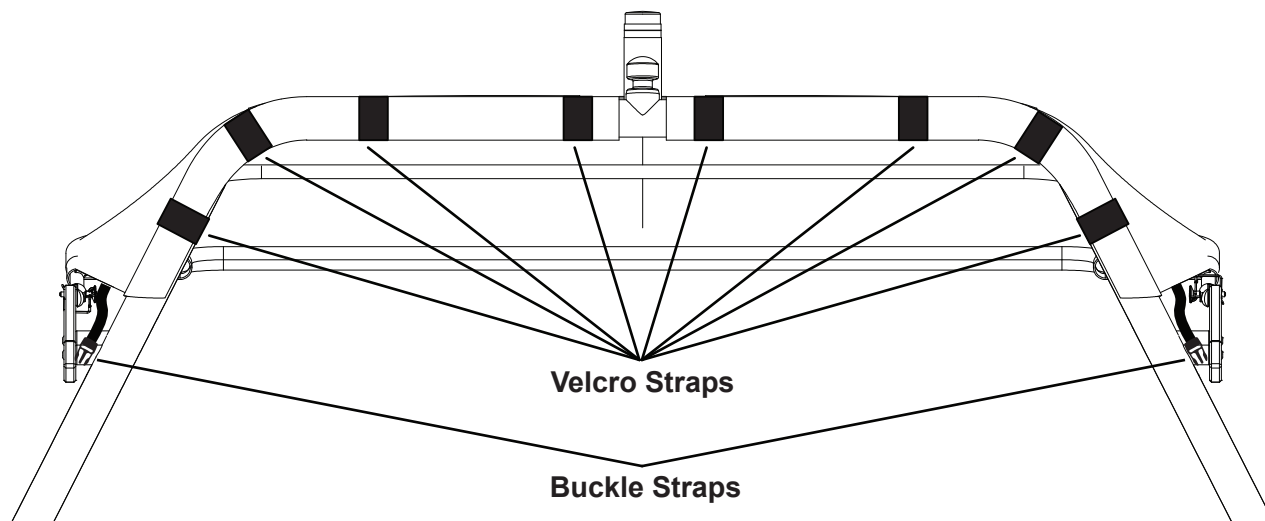
F Velcro Straps

Adjust and secure the 2 velcro straps located on either side of the bimini canvas to the bimini frame as illustrated

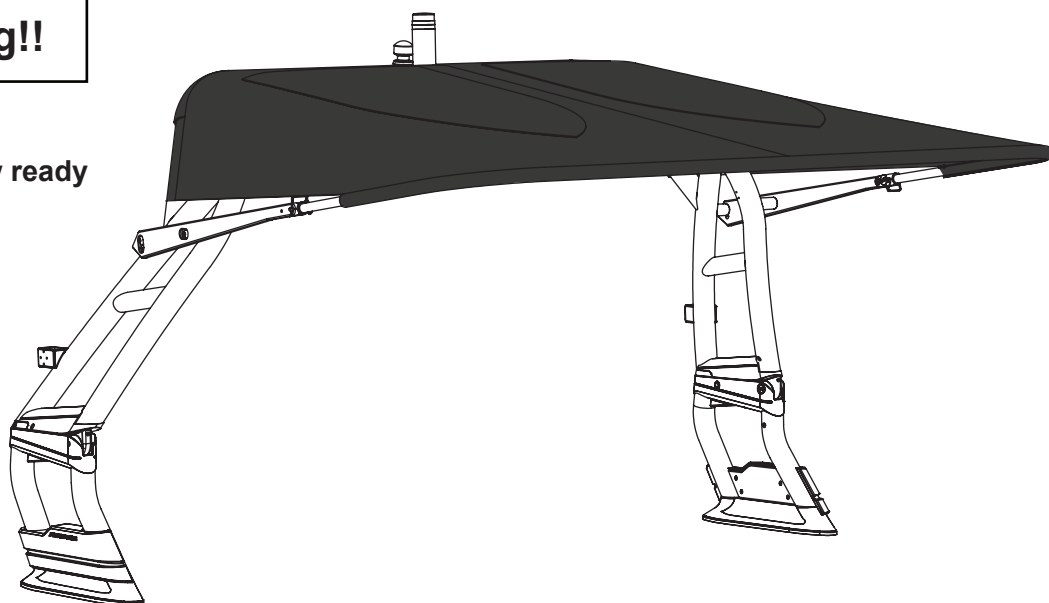


G**Final Velcro**

Attach all 8 velcro straps on the rear of the bimini to the rear tower tube and the 2 buckle straps to the rear bimini mount. After attaching all straps, adjust and secure them until the bimini canvas fits tight. Your bimini installation is now complete!

**H****Happy Boating!!**

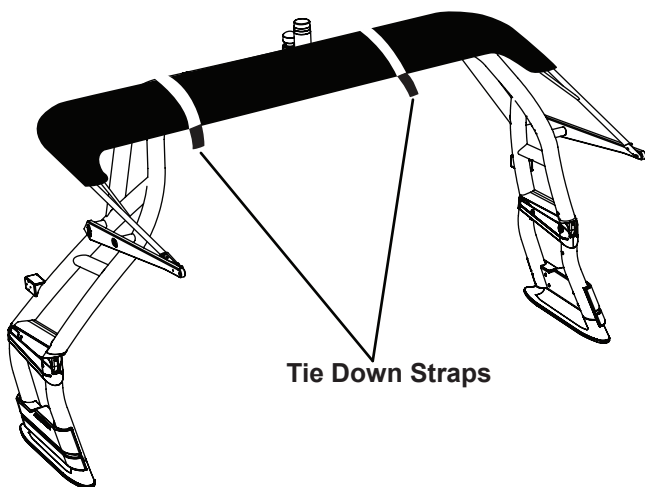
Your bimini is now ready
for use.



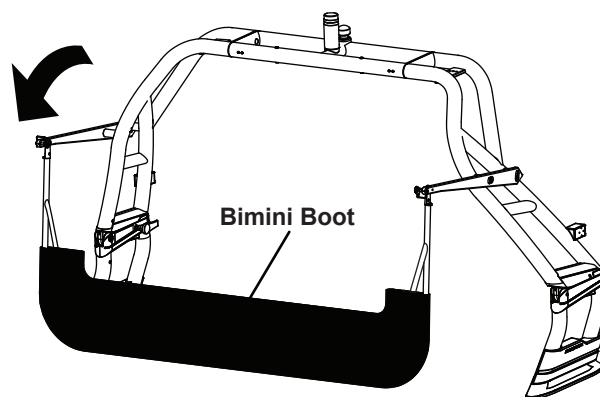
Unfolding your Moomba Bimini

A

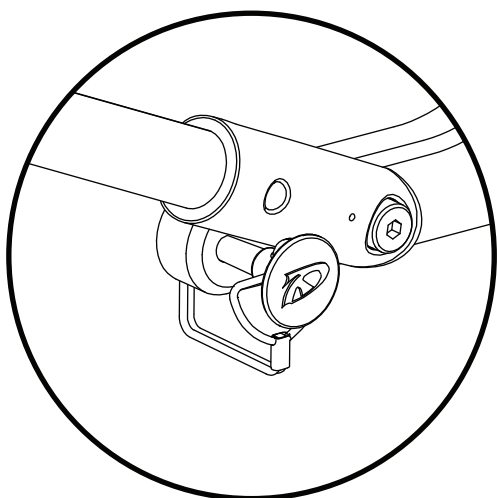
Undo the 2 straps that secure the bimini to your tower.

**B**

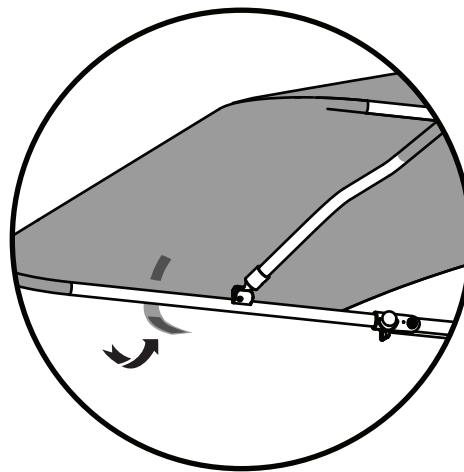
Unfold the frame from the tower. Unzip the bimini boot from the bimini frame. Unroll your fabric and middle bow.

**C**

Rotate the frame upwards and insert the quick release pins into the bimini arm only.

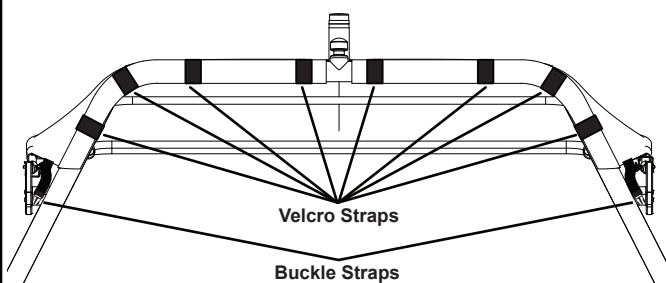
**D**

Adjust and secure the 2 velcro straps located on either side of the bimini canvas to the bimini frame as illustrated.

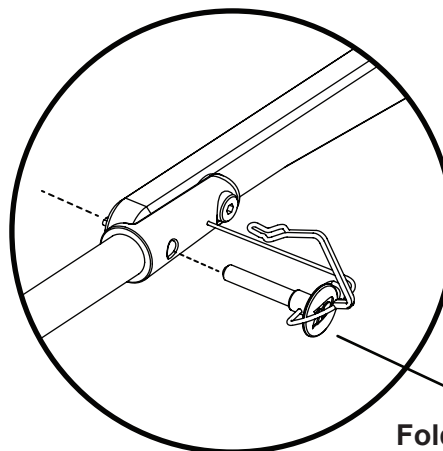
**E**

Attach all 8 velcro straps on the rear of the bimini to the rear tower tube and the 2 buckle straps to the rear bimini frame.

Note: be careful to not over tighten straps

**F**

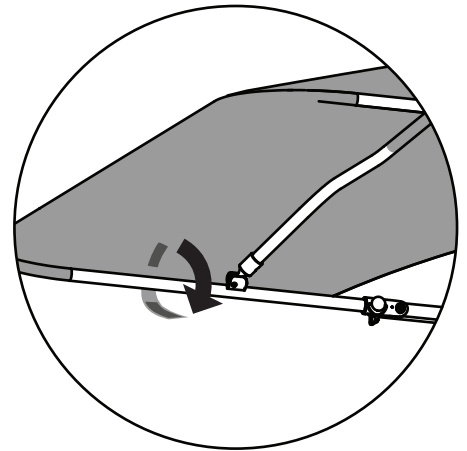
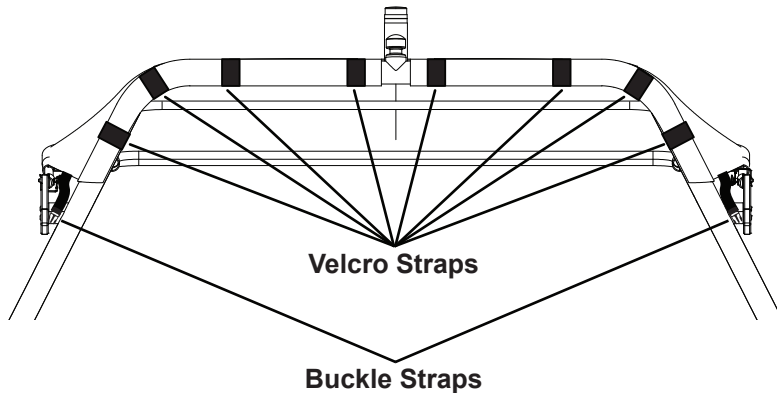
Remove the pins, pull frame down, align holes, and re-enter pins. Your bimini is now ready to use!



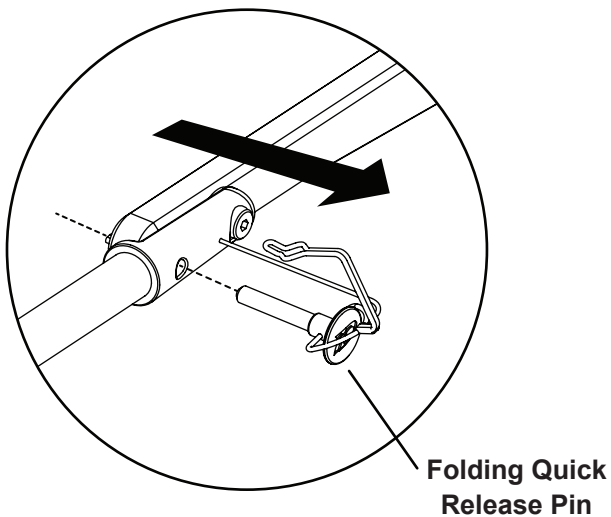
Folding Quick
Release Pin

Folding up your Moomba Bimini

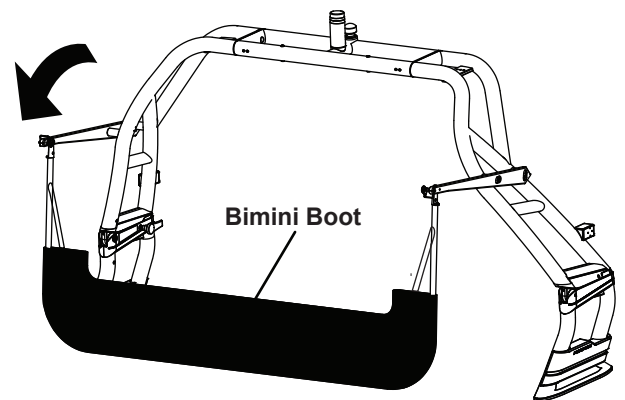
- A** Undo all 8 velcro straps and 2 buckle straps attaching the rear of the bimini canvas to the tower. Undo the 2 velcro straps attaching the sides of the canvas to the bimini frame.



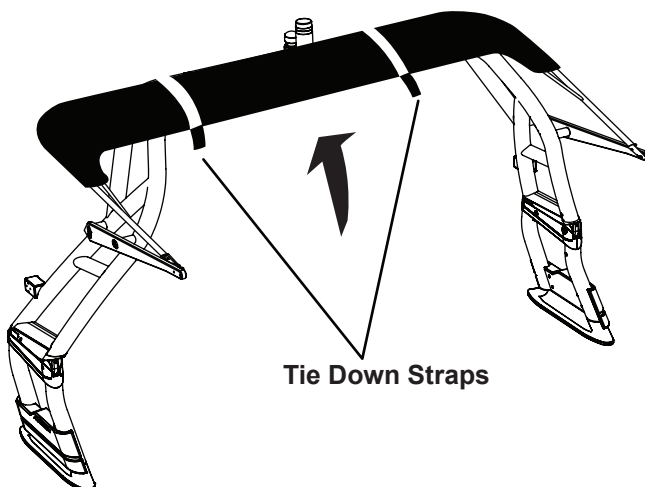
- B** Remove the quick release pins located on both bimini arms and lower the frame.



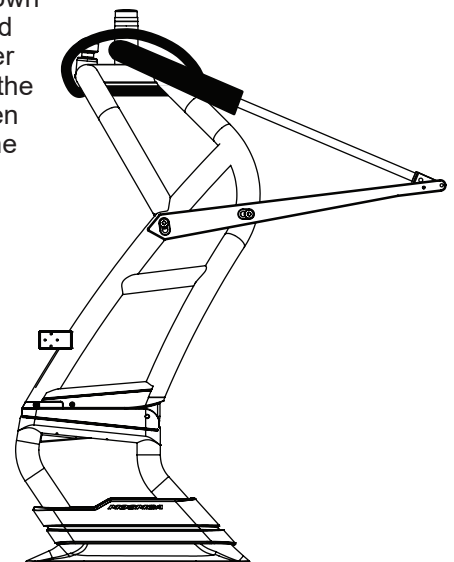
- C** Fold the middle bow toward the front bow and wrap the fabric around both bows. Zip the bimini boot over the bows and fabric.



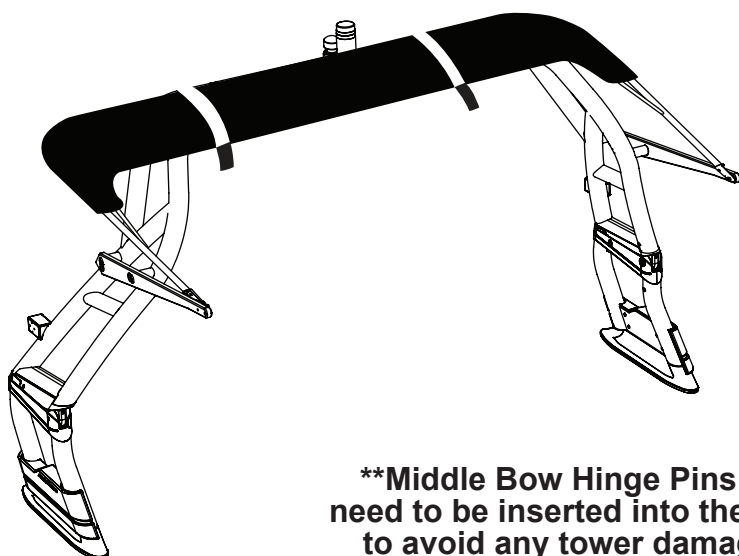
- D** Fold the bimini up towards the tower until it rests on top of the tower.



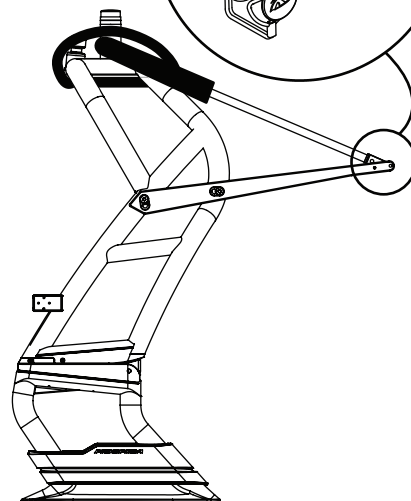
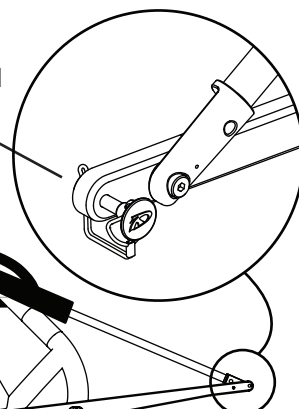
- E** Loop the tie down straps over and under the tower tubing. Adjust the straps to tighten the bimini to the tower.



Tower folding / Trailing

A


Quick release pins must be inserted into the bimini arms for trailing to avoid damage to parts



****Middle Bow Hinge Pins also need to be inserted into the hinge to avoid any tower damage.****

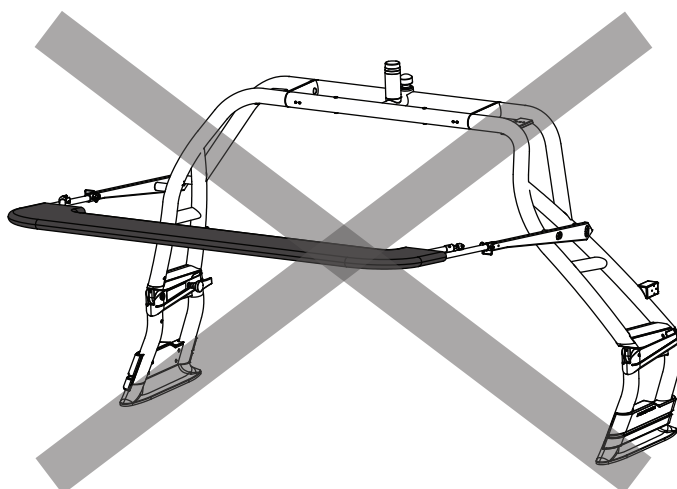
***** Illustrated is the ONLY acceptable way to safely fold your Moomba tower or trailer your Moomba boat with the bimini on*****

! ATTENTION !

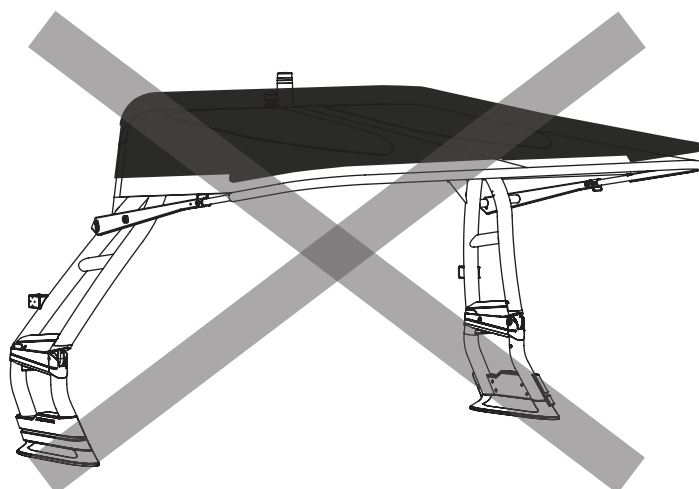
DO NOT TRAILER YOUR BOAT WITH THE BIMINI IN ITS OUTSTRETCHED POSITION

DO NOT FOLD YOUR TOWER WITH THE BIMINI IN ITS OUTSTRETCHED POSITION

DO NOT USE YOUR BIMINI IN ITS OUTSTRETCHED POSITION IN ANY HIGH WIND CIRCUMSTANCES



DO NOT FOLD THE TOWER OR TRAILER BOAT WITH BIMINI IN THIS POSITION



DO NOT FOLD THE TOWER OR TRAILER BOAT WITH BIMINI IN THIS POSITION

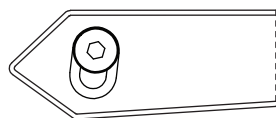
Tightening your Moomba Bimini Canvas

It is normal that your bimini canvas will stretch over time and use. Your Moomba Bimini has been designed to allow you to tighten your canvas as needed.

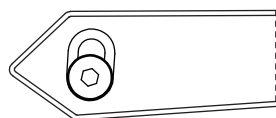
A Canvas Tightening

This method is best executed with 2 people

Remove the rear bimini arm bolts on port and starboard sides. Do not remove the front bimini arm bolts or your fabric. Once both rear bolts are removed, re-apply Loctite to each bolt and re-thread them loosely back into the tower. Have a friend lightly pull down on the bimini arms one side at a time. With the arm being pulled down, re-tighten the rear bimini arm bolt. Repeat on the other side.



Factory installed
rear bolt
position



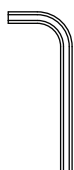
Tighter canvas
rear bolt
position

Rear bimini
arm bolt

Front bimini
arm bolt

Remove
this bolt

5/16"

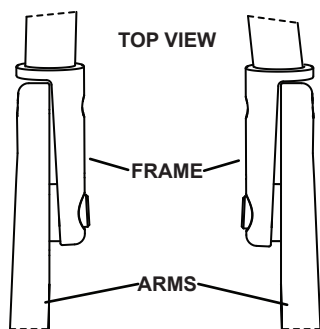


Tips and Tricks for your Bimini

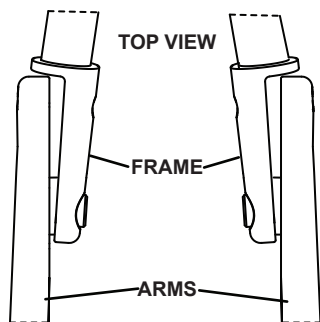
It is normal that there is potentially a slight variation from one tower bimini to another. Listed below are some tips and tricks to ensure that your bimini is installed and functioning properly. This process is not mandatory for all biminis.

A

It is possible that once your bimini is installed your frame and arms are not parallel where they pivot. This could make inserting and removing your quick release pins difficult. If you are not experiencing any issues, skip this page.



If your bimini looks like this, in Step 2 you will need to add shim washers between the forward bimini mounts and your bimini arms

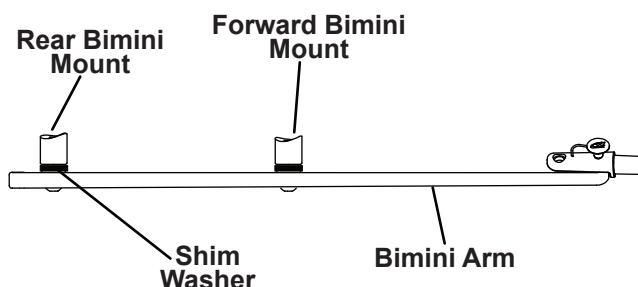


If your bimini looks like this, in Step 2 you will need to add shim washers between the rear bimini mounts and your bimini arms

B

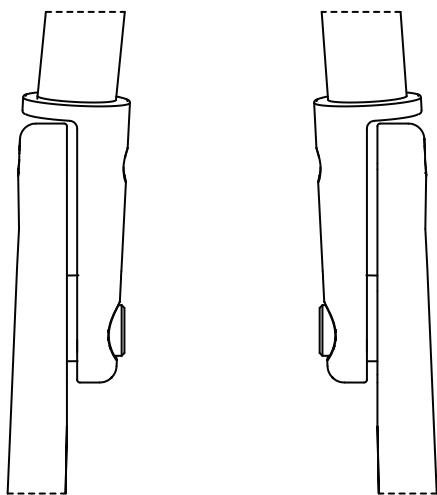
Choose one side of your tower to work on first. Determine which bimini mount the shim washers will need to be added to. Completely remove the bolt that secures the bimini arm to your chosen bimini mount. Loosen the other bimini arm bolt. Add the shim washer(s) in between the chosen bimini mount and bimini arm (In some cases 2 washers may be required under each arm). Re-insert the bolt with loctite applied. Remove the loosened bolt, apply Loctite and re-insert. Tighten down the front and rear bimini arm bolts in the same position they were in prior to loosening them. Repeat on the other side of your tower.

TOP VIEW



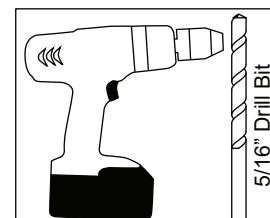
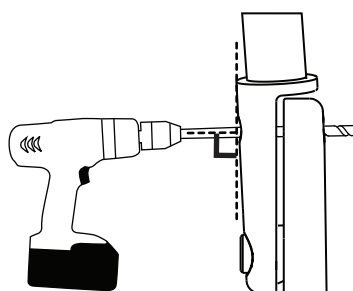
C

Now that your shim washers have been added your frame and arms should be parallel or much closer. Test removing and inserting your quick release pins. If it is still difficult to remove or insert the pins proceed to the next step.



D

If your quick release pins are still difficult to remove and insert with the addition of the arm shim washers, Roswell recommends using a drill with a 5/16" drill bit to clean out the holes. Drill perpendicular through the frame and bimini arms at the same time. This will help with the alignment and ensure an accurately aligned hole.



Folding Your Tower

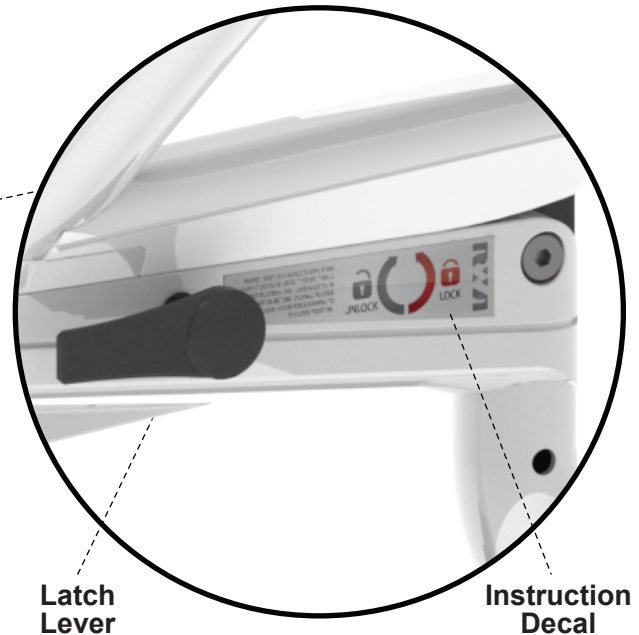
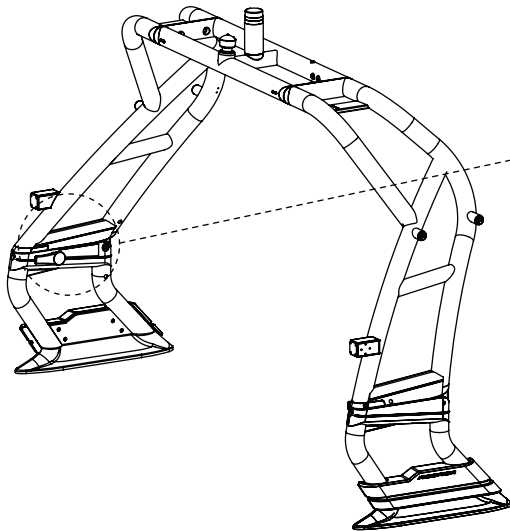
A

BEFORE ATTEMPTING TO FOLD YOUR TOWER :

- Ensure all boards have been removed from racks.
- Ensure swivels are locked into either the inside or outside positions.
- Ensure your bimini is folded against the tower and secured.
- Ensure no body parts are near the folding area of the tower.
- Ensure that no one is sitting in the way of the folded tower.

B

Unlocking the latches



To fold your tower, first unlock the latches using the lever illustrated. Follow the instructions indicated on each decal. The decal instructions are different on each side. Prior to unlocking the second latch ensure you are ready to support and slowly lower the weight of the tower.

PORT Side Unlocking:

Turn lever **CLOCKWISE** until it stops.
This is the reset position.

PORT Side Locking:

Turn lever **COUNTERCLOCKWISE**.

STARBOARD Side Unlocking:

Turn lever **COUNTERCLOCKWISE** until it stops.
This is the reset position.

STARBOARD Side Locking:

Turn lever **CLOCKWISE**.

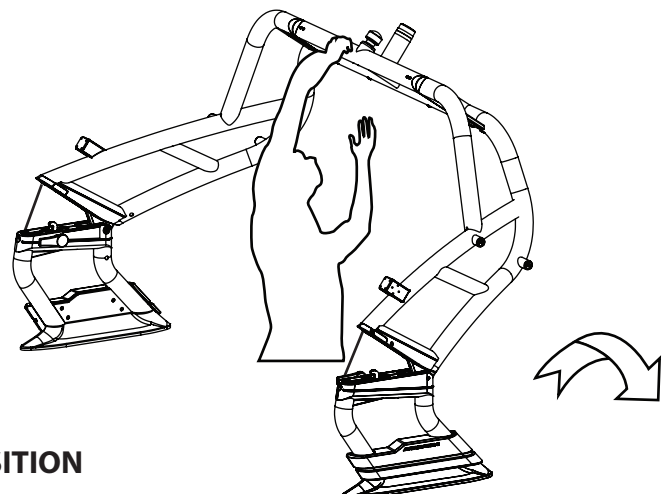
C

Fold the tower down

With both latches released, slowly lower the tower until it rests at the stop position.

This folded position is intended for low speed

- Boat operation such as
- Parking boat in garage
- Boating under a bridge
- Parking Boat in Slip



DO NOT TRAILER YOUR TOWER IN THE FOLDED POSITION

D**Raise the tower up**

To raise the tower up repeat steps B & C in reverse.

PORT Side Locking:

Turn lever **COUNTERCLOCKWISE**.

PORT Side Unlocking:

Turn lever **CLOCKWISE** until it stops.

This is the reset position.

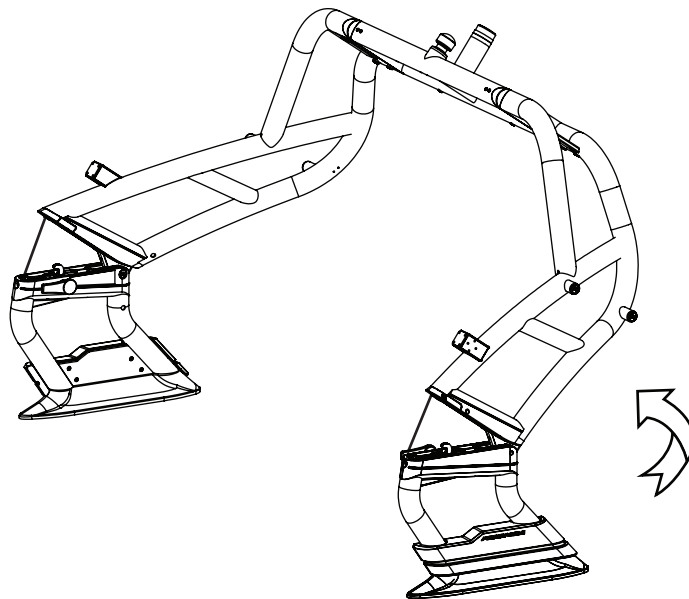
STARBOARD Side Locking:

Turn lever **CLOCKWISE**.

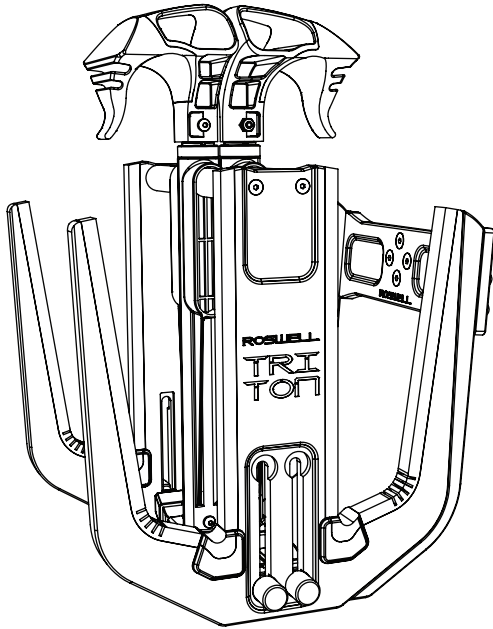
STARBOARD Side Unlocking:

Turn lever **COUNTERCLOCKWISE** until it stops.

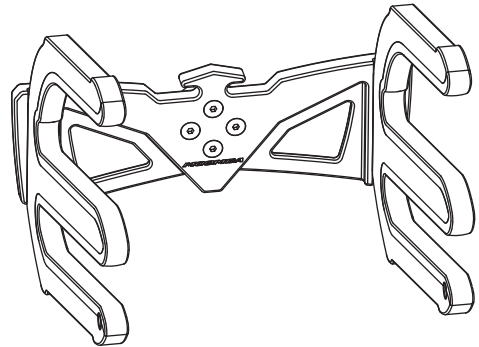
This is the reset position.



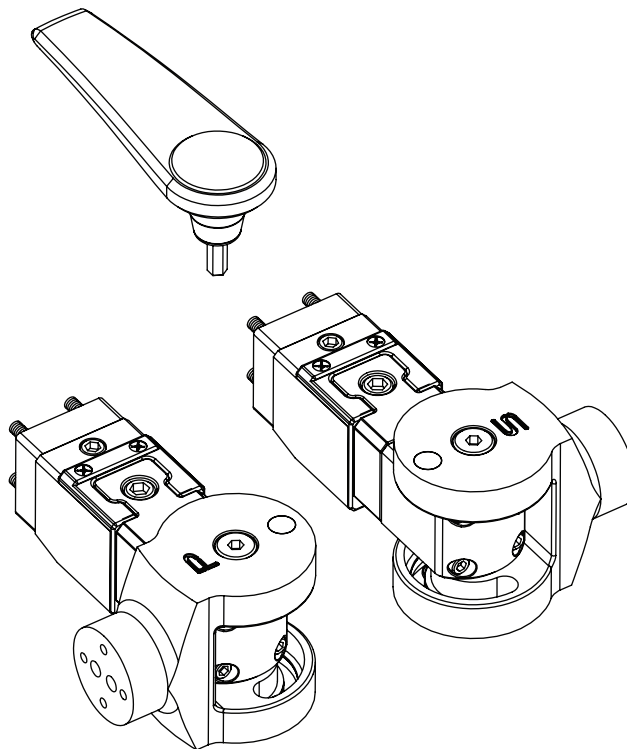
Board Racks/ Swivel/ Quick Release



Triton Board Rack # C915-118179



Wake Surf Rack # C915-116071

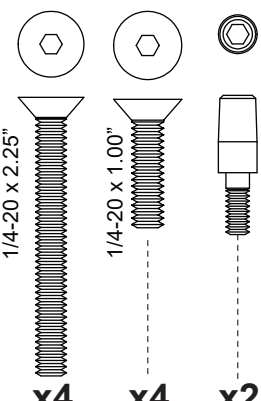
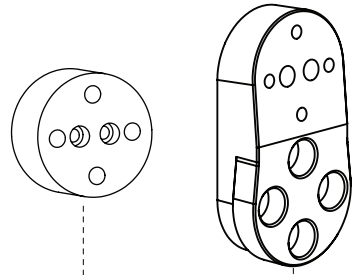
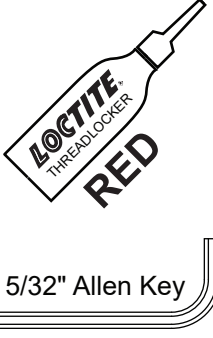
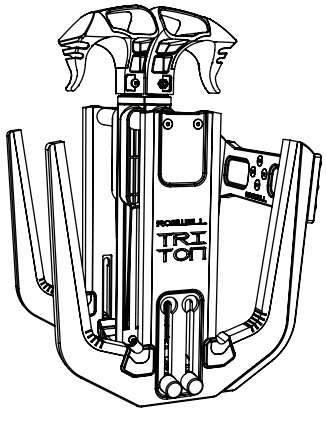


Push Button Swivel with Board Rack Quick release # C915-116063

Information: info@roswellmarine.com
If you have any questions please call : 1-321-638-1331



Triton Board Rack Assembly Instructions

Hardware	Parts	Tools Required	
 <p>1/4-20 x 2.25" x4</p> <p>1/4-20 x 1.00" x4</p> <p>x2</p>	 <p>Triton Spacer</p> <p>Triton Adapter</p>	 <p>LOCTITE THREADLOCKER RED</p> <p>5/32" Allen Key</p>	 <p>Triton Board Rack</p>

! ATTENTION !

- Always ensure your boards are securely **fastened** in place by the rack. Give the board a quick tug to check it is secure before setting off.
- Always ensure your swivel is properly **locked** before moving your boat. Give the rack a tug and visually check locking pin to make sure it is secure after you have put the swivel in a new position.
- Never insert boards that are beyond the stated maximums and minimums for the rack:
- Always swivel your racks inboard when docking and/or trailering your boat.
- Never trailer your boat with boards in the racks. Racks are for on water use only.
- Check all bolts on the rack and swivel for tightness before using your boat. If any bolts are found to be loose remove them, apply red thread lock and re-tighten the bolts.
- The driver should check their lines of sight before operating the boat being sure nothing in the rack blocks their safe view and operation of the boat.
- Be aware of your rope making sure it does not get wrapped around the board rack, the boards, or any other objects.

! Triton Rack Specific !

- 20" maximum for the narrow board setting and 23" maximum for the wide board setting.
- 14" minimum for the narrow board setting and 17" minimum for the wide board setting.

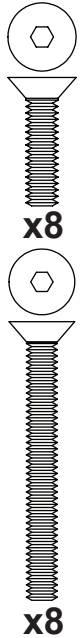
MOUNTING OPTIONS

There are 4 scenarios for mounting a board rack provided by Moomba.

- 1 : You have a Triton rack and can mount the rack in a fixed position.
- 2 : You have a Triton rack and can mount the rack to a Moomba Swivel with Quick Release.
- 3 : You have a Board Rack and can mount the rack in a fixed position.
- 4 : You have a Board Rack and can mount the rack to a Moomba Swivel with Quick Release.

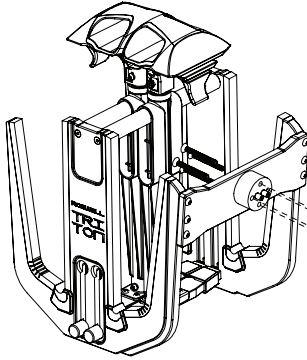
A

Fixed mounting



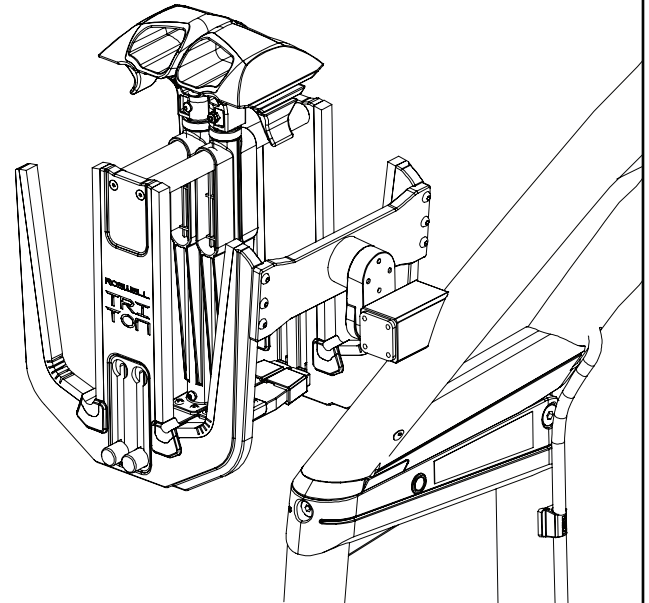
1- Mount the adapter to the tower block with the 4 bolts included with your adapter. Add a drop of red Loctite to each bolt first.

2- Mount the triton rack to the adapter using the 4 long bolts provided with your rack. Add a drop of red Loctite to each bolt first.



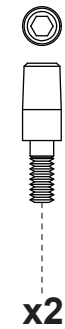
Torque bolts to 15ft-lb

This is how your Triton rack installation should look.

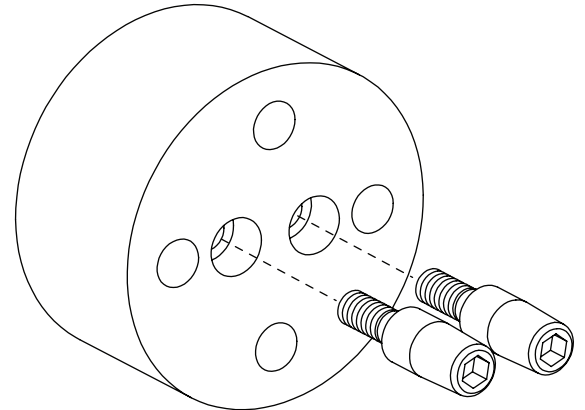


A

Swivel mounting

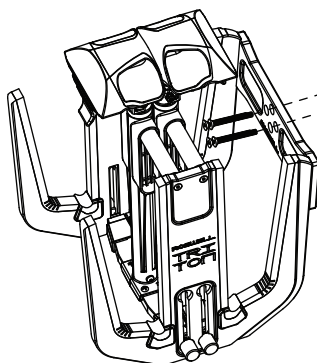
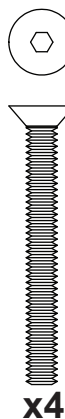


If you are mounting Triton to a swivel first verify that your swivel has 2 holes to accommodate the 2 alignment pins. If it does, thread the 2 alignment pins into the spacer. Apply loctite to the 2 pins first. If it doesn't move on to step B.

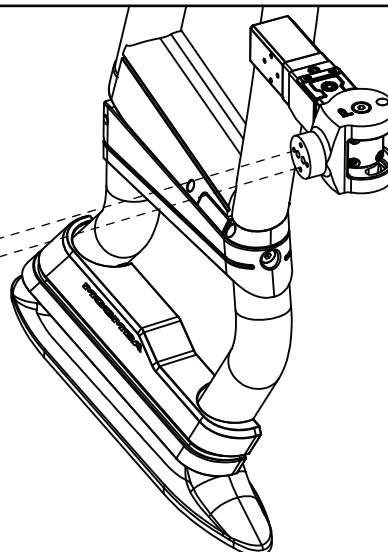


B

Swivel mounting

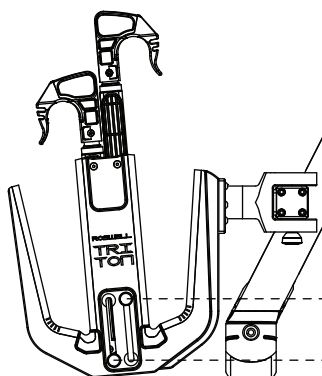


If you are mounting your Triton rack to a swivel, use the 4 bolts provided and the spacer from Step A. Apply loctite to the 4 bolts first.



A

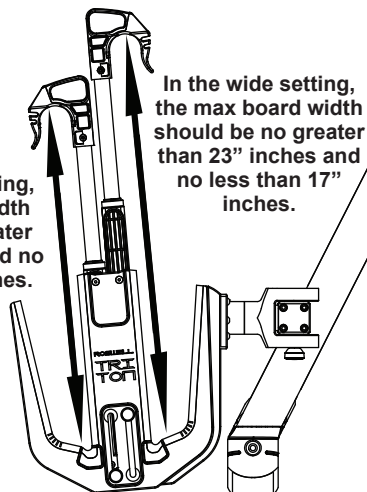
Your Triton rack is designed to be adjustable to fit just about any size of wakeboard, wakesurfer or wakeskate. There are 2 settings, one for narrower boards, one for wider boards.



Wide board setting

Narrow board setting

In the narrow setting, the max board width should be no greater than 20" inches and no less than 14" inches.

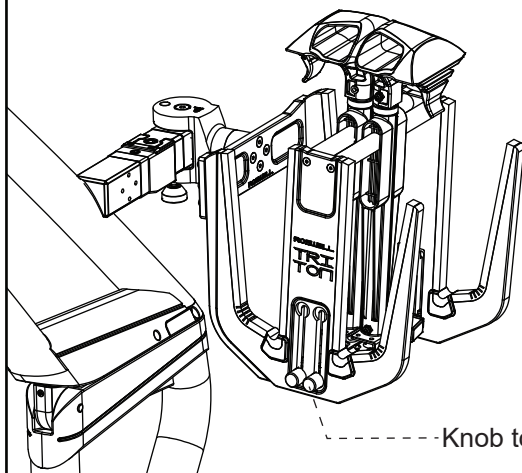


In the wide setting, the max board width should be no greater than 23" inches and no less than 17" inches.

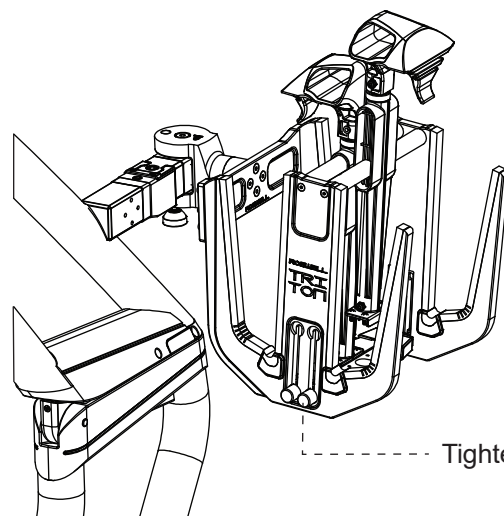
B

Adjust your telescopic arms one at a time. To adjust your telescopic arms loosen the knobs on both sides of the rack for the same arm until the knobs are past the counterbored holes they sit in. At this point you will be able to slide the whole arm assembly up or down to the next position where you will then retighten the knobs.

Make sure your adjustment knobs are tightened periodically.



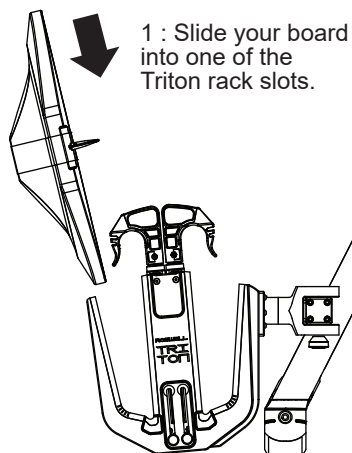
Knob to loosen/tighten



Tighten

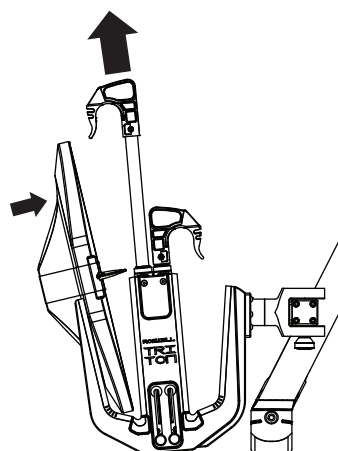
C

Inserting Boards

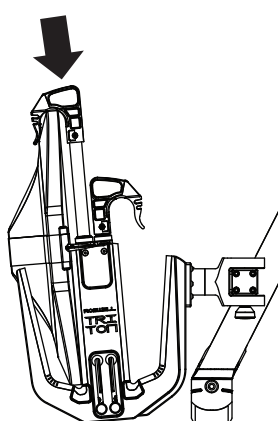


1 : Slide your board into one of the Triton rack slots.

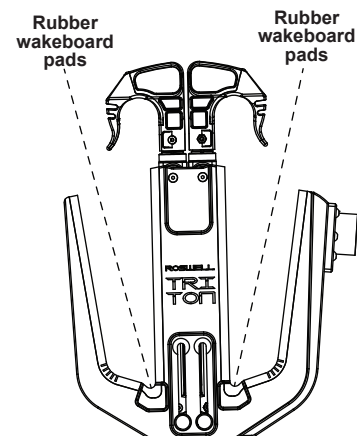
2 : Pull up on the telescopic arm and flip your board towards it.



3 : Let the telescopic arm clamp down over your board. To remove a board, repeat steps 1-3 in reverse



Ensure wakeboards with sharper edges are located within the harder rubber wakeboard pads in the tine slots. This is essential to avoid damaging the softer foam protection intended for fragile surfboards and wakesurfers.

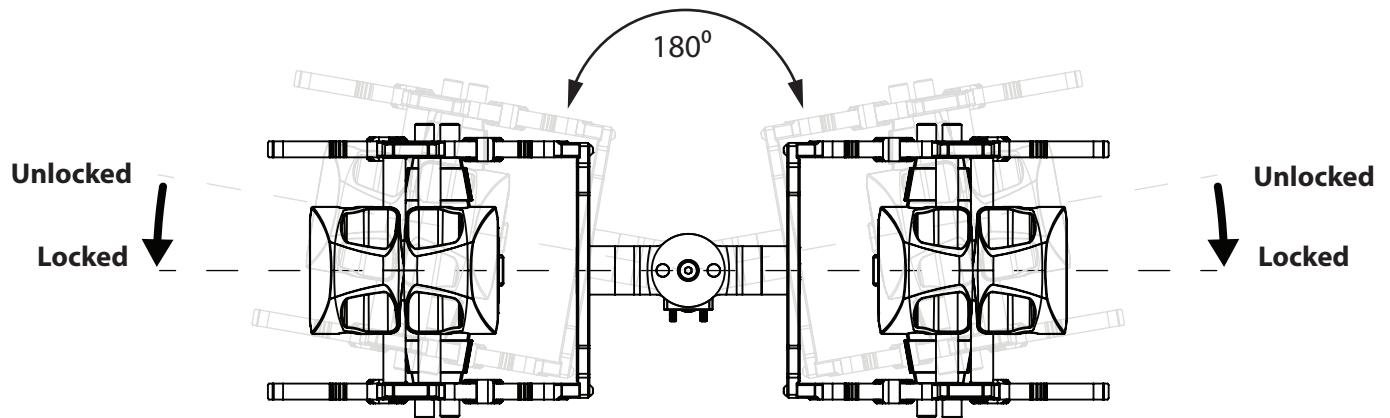


Rubber wakeboard pads

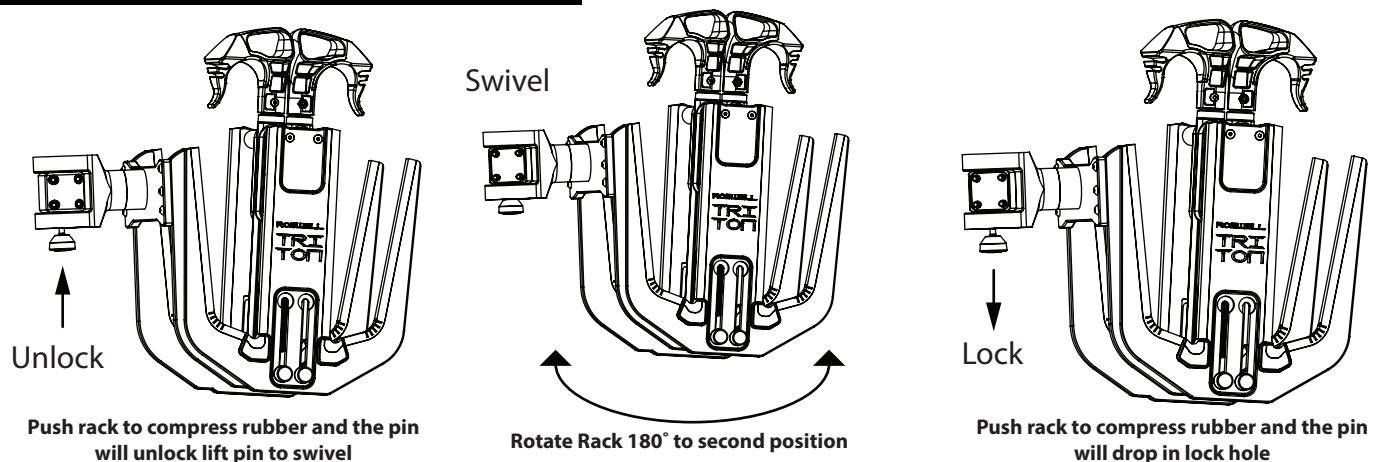
Rubber wakeboard pads

D Swivel Operation

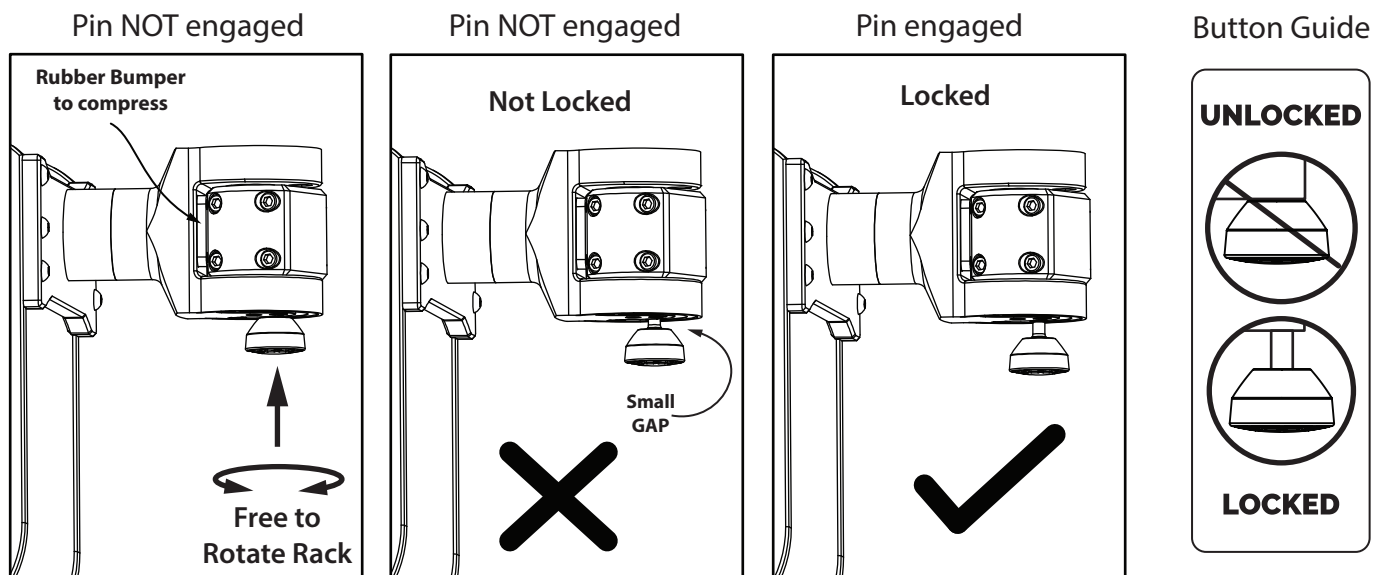
Swivel assemblies must be completely locked to avoid damage to boat or injury to occupants. Proper swivel operation is crucial to ensure racks do not swing into boat unintentionally. To ensure proper engagement and releasing of locking pin, swing racks until they compress the rubber bumper at end of travel. Compressing the bumper is necessary to lock AND unlock the locking pin.



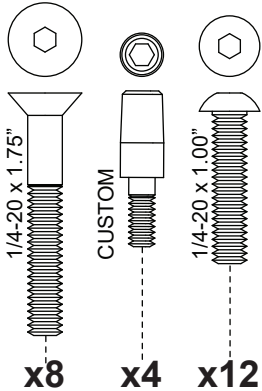
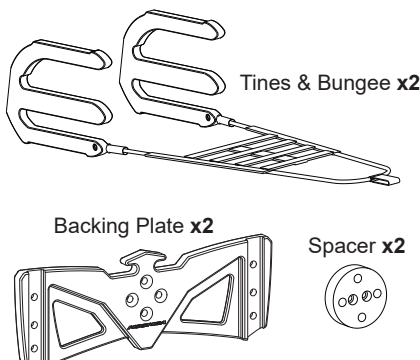

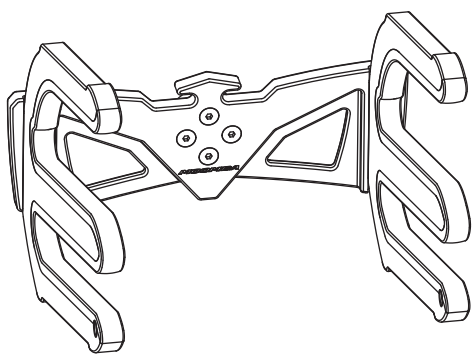
How to properly operate the Swivel



How to identify if your swivel is locked



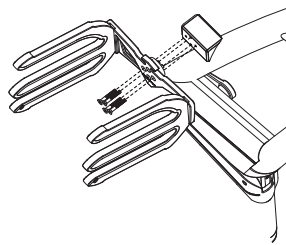
Wake/Surf Rack Assembly Instructions

Hardware	Parts	Tools Required	
 <p>1/4-20 x 1.75" x8</p> <p>CUSTOM x4</p> <p>1/4-20 x 1.00" x12</p>	 <p>Tines & Bungee x2</p> <p>Backing Plate x2</p> <p>Spacer x2</p>	 <p>LOCTITE THREADLOCKER RED</p> <p>5/32" Allen Key</p>	

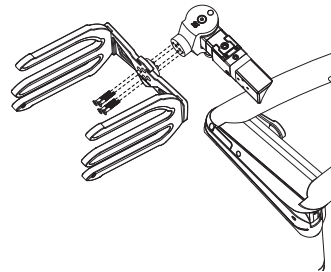
**** BOARD RACK BUNGEE CORD NOT ILLUSTRATED FOR IMAGE CLARITY ****

Below are the recommended mounting options for Roswell board racks.

Installation instructions available with respective mounting products.

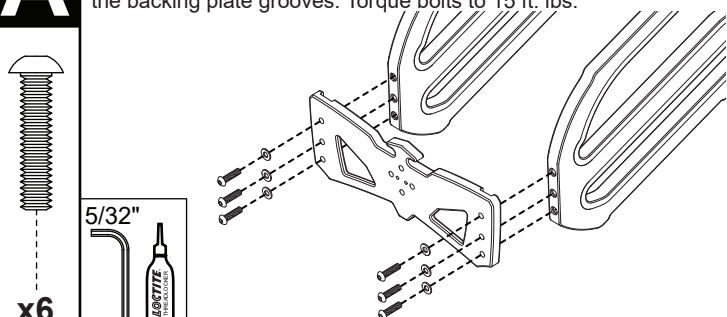


Fixed Tower Mount



Quick Release Swivel Mount

A Apply RED Loctite to 6 button head bolts and mount the backing plate to a set of tines. Make sure the tines are properly seated in the backing plate grooves. Torque bolts to 15 ft. lbs.

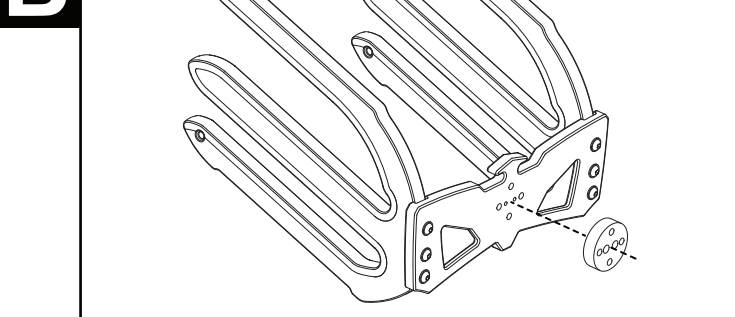


x6

5/32"

LOCTITE
RED

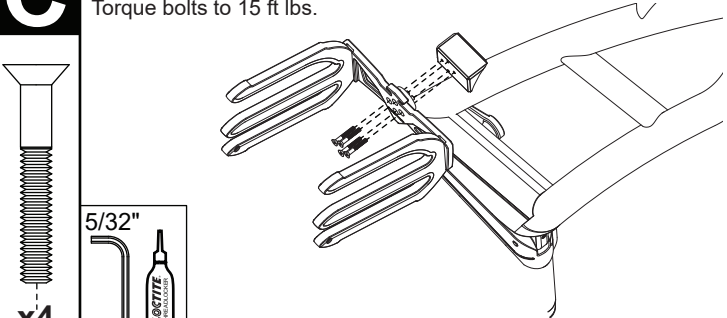
B Place the spacer behind the backing plate, and mount following the next step.



5/32"

LOCTITE
RED

C Apply red Loctite to 4 flat head bolts and mount the rack to the tower. Ensure the spacer is mounted between the rack and the tower. Torque bolts to 15 ft. lbs.



x4

5/32"

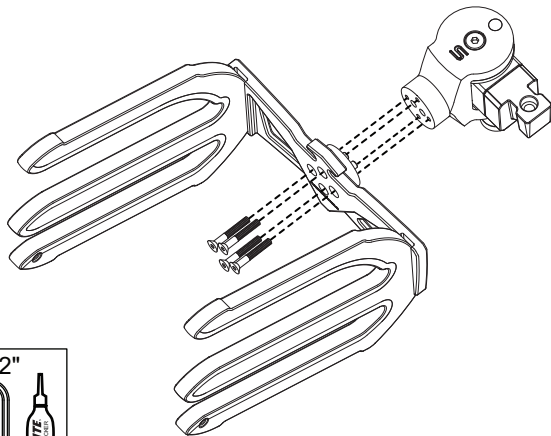
LOCTITE
RED

Board Rack Quick Release Assembly Instructions

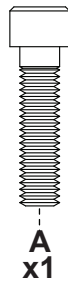
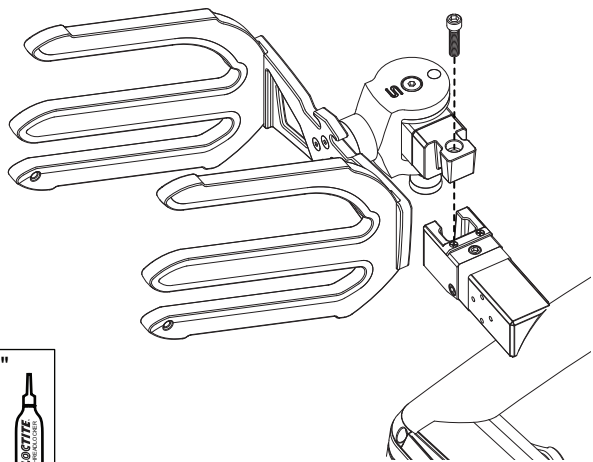
Hardware	Tools Required	Parts	
<p>3/8-16 x 1.5" A x2</p> <p>5/16-18 x 1.5" B x2</p> <p>1/4-20 x 1.0" C x8</p> <p>5/16-18 x 0.75" D x2</p>	<p>LOCTITE THREADLOCKER RED</p> <p>1/4" Allen Key 5/16" Allen Key 3/16" Allen Key</p>	<p>QR Tool</p> <p>QR Tower Adaptor</p> <p>QR Male Adaptor with Swivels</p> <p>QR Female Adaptor</p>	

<p>A</p> <p>Apply RED Loctite to 4x C bolts and mount the QR Tower Adaptor to the tower mount as illustrated. Torque bolts to 15 ft lbs.</p> <p>C x4</p> <p>3/16"</p> <p>LOCTITE THREADLOCKER</p>	<p>B</p> <p>First, place the QR Female Adaptor onto the QR Tower Adaptor. Then, apply RED Loctite to a B bolt and a D bolt and fasten as illustrated. Torque bolts to 15 ft lbs.</p> <p>D x1</p> <p>B x1</p> <p>1/4"</p> <p>LOCTITE THREADLOCKER</p>
<p>C</p> <p>Apply RED Loctite to the Swivel's 4 bolts and mount the QR Male Adaptor to the Swivel. Torque bolts to 15 ft lbs.</p> <p>3/16"</p> <p>LOCTITE THREADLOCKER</p>	<p>D</p> <p>Make sure to apply RED Loctite to the board rack's 2 custom bolts and assemble the spacer to rear of the backing plate before continuing. Torque bolts to 9.5 ft lbs.</p> <p>x2</p> <p>5/32"</p> <p>LOCTITE THREADLOCKER</p>

E Apply RED Loctite to the board rack's 4 bolts and mount the rack to the Swivel. Torque bolts to 15 ft lbs.

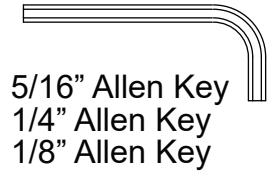
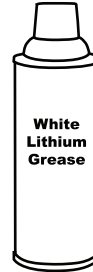
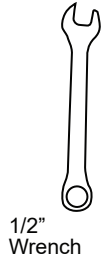


F Carefully slide the Male Adaptor into the Female Adaptor, and fasten together with an A bolt and your QR tool.

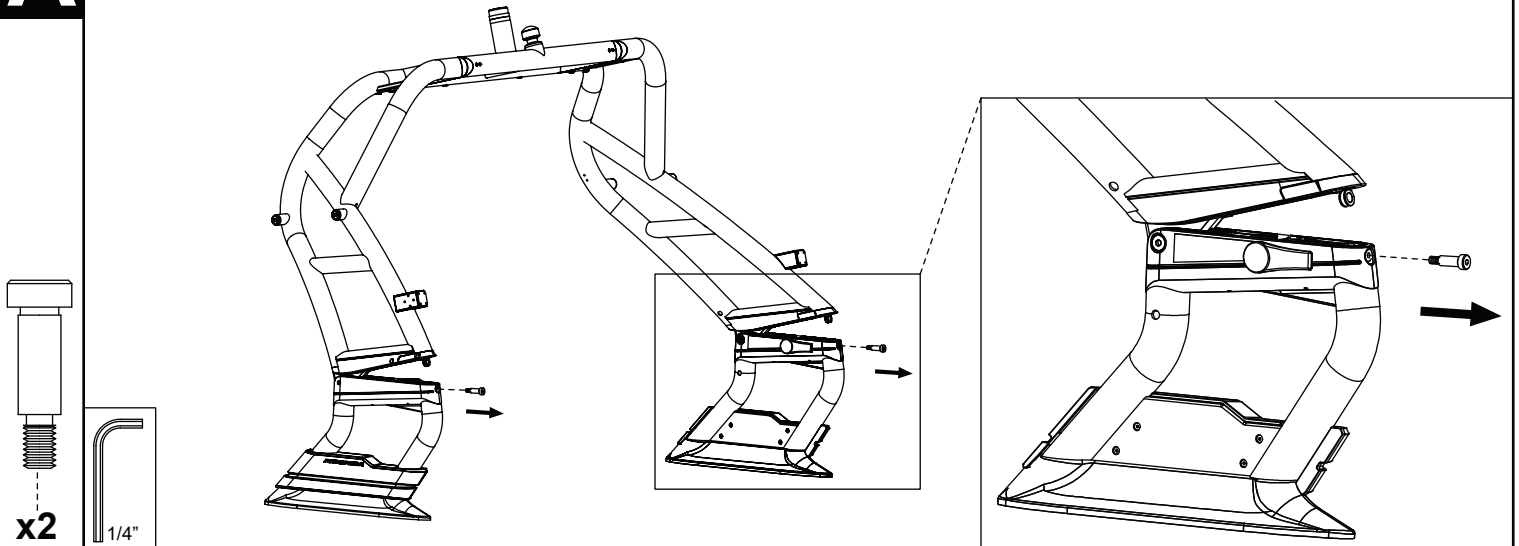


Aviator Weight Assist Adjustment Instructions

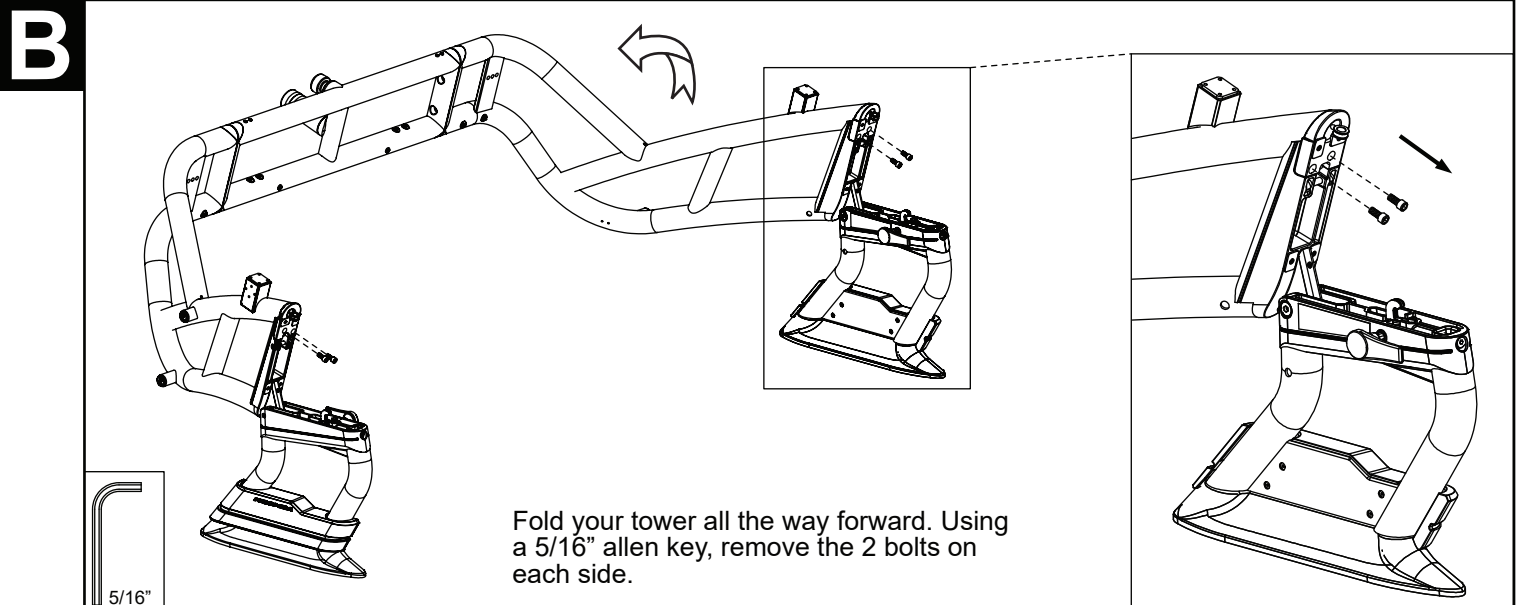
Tools Required

**A**

First ensure nothing is in the way of the tower. Remove the 2 bolts as shown below.

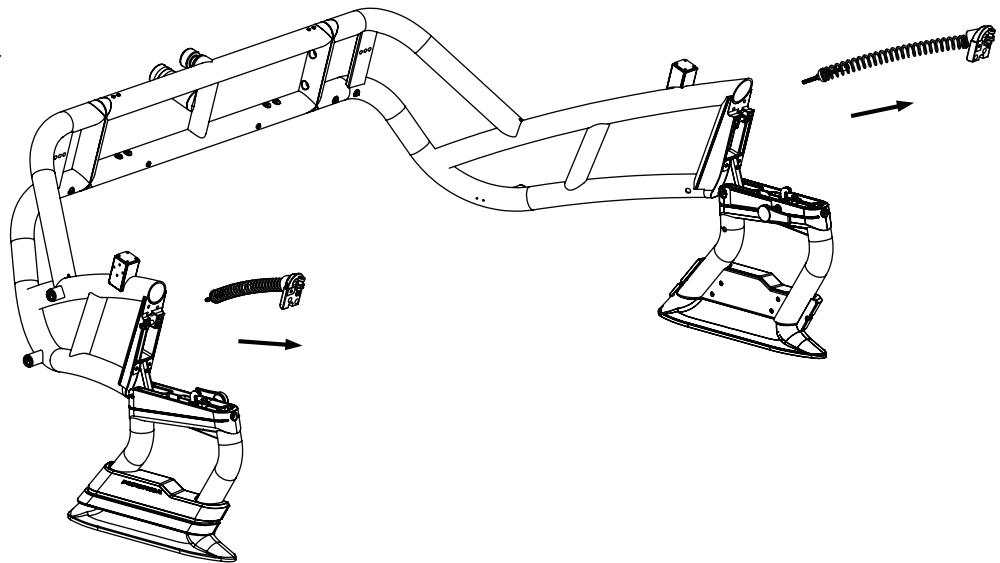
**B**

Fold your tower all the way forward. Using a 5/16" allen key, remove the 2 bolts on each side.



C

Remove each spring assembly. Take extra caution to not scratch your paint when removing the spring fittings.



D

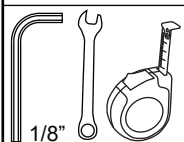
Prior to taking any measurements in this step, ensure all parts are sitting together properly by lightly pulling on the robline thimble and pushing on the spring fitting.

Robline Thimble

1"-1.5"

Threaded Rod

Nut



1/8"

Using a tape measure, see how far the robline thimble sticks out from the bottom surface of the spring fitting as illustrated. An ideal measurement is 1 - 1.5 inches. If the distance is more or less than this range, adjust the threaded rod and nut at the other end of the assembly. You will need a 1/2" wrench and a 1/8" allen key to do so. Adjust each spring assembly so that the distance is the same on both.

E

Before adjusting, spray lubricant anti-seize or white lithium grease on the threads of the threaded rod to avoid galling of the nut and threaded rod.

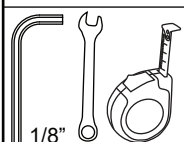
Robline Thimble

1"-1.5"

Threaded Rod

Nut

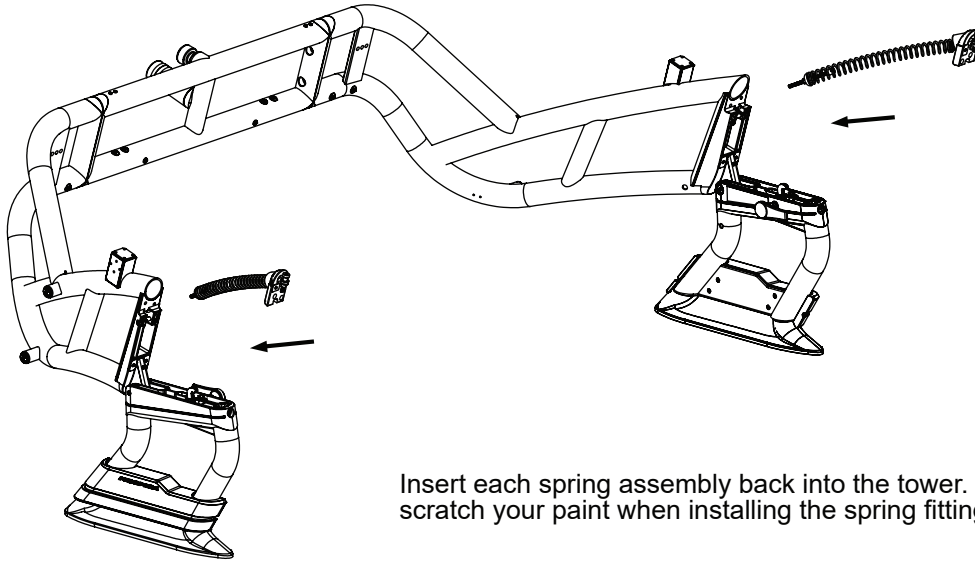
Distance to Adjust



1/8"

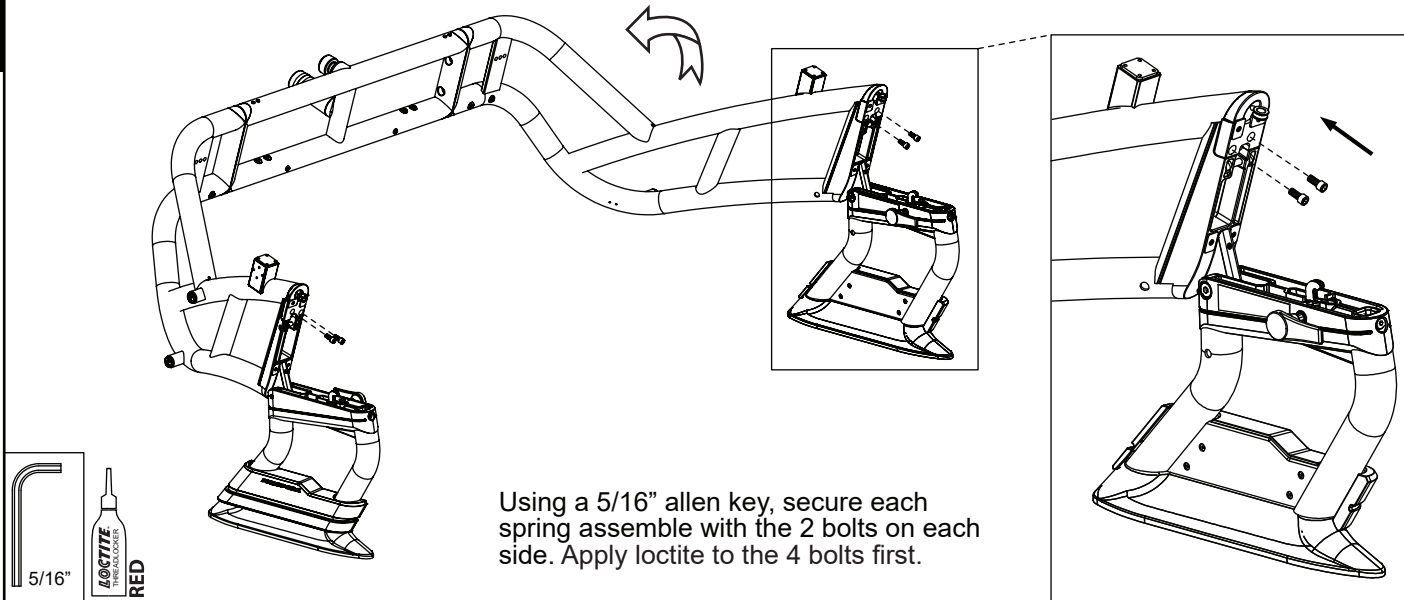
Depending on your tower set up you may need to adjust the spring assembly. More accessories provide more counter weight, you will want more exposed threaded rod. Less accessories provide less counter weight, you will want less exposed threaded rod. To adjust the threaded rod and nut you will need a 1/2" wrench and a 1/8" allen key to do so. Ensure each spring assembly is adjusted so that the distance is the same on both sides.

F



Insert each spring assembly back into the tower. Take extra caution to not scratch your paint when installing the spring fittings.

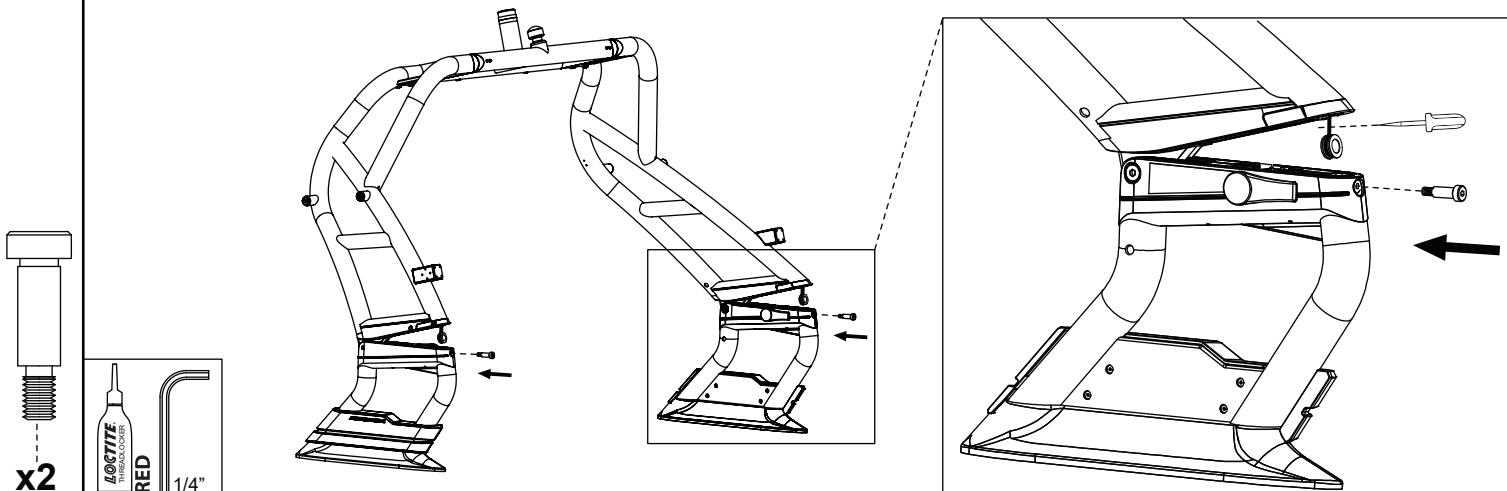
G



Using a 5/16" allen key, secure each spring assembly with the 2 bolts on each side. Apply loctite to the 4 bolts first.

H

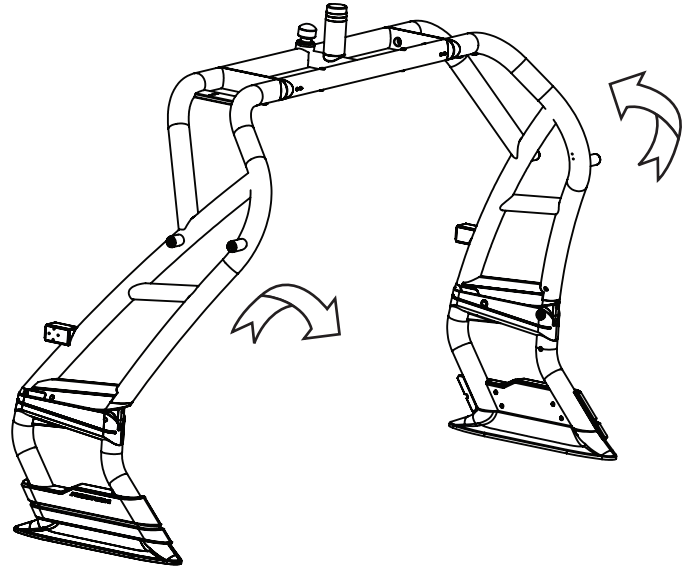
First ensure nothing will get pinch when folding the tower back up. Pull the Rob Line out and stick the Awl through it to hold it into place. Insert the eyelet into its slot and install the bolt with red Loctite using a 1/4" Allen Key. Once the line has been re-installed remove the Awl and lock your cam latches. Repeat this for both sides.



I

Fold your tower up and down a couple of times to test and ensure that your weight assist system is functioning properly. Lock your tower cam latches a few times to ensure they are still firmly locking the tower.

Depending on your tower setup, you may find that your tower does not want to stay in the folded position. This is a result of not enough counterweight to keep the tower in a folded position. Adding speakers, board racks and/or a bimini will provide additional counter weight. If a simple, no accessory setup is what you are going for, Roswell recommends disconnecting one of the spring assemblies. This would mean simply removing one of the bolts installed in Step H.



Wiring Diagrams

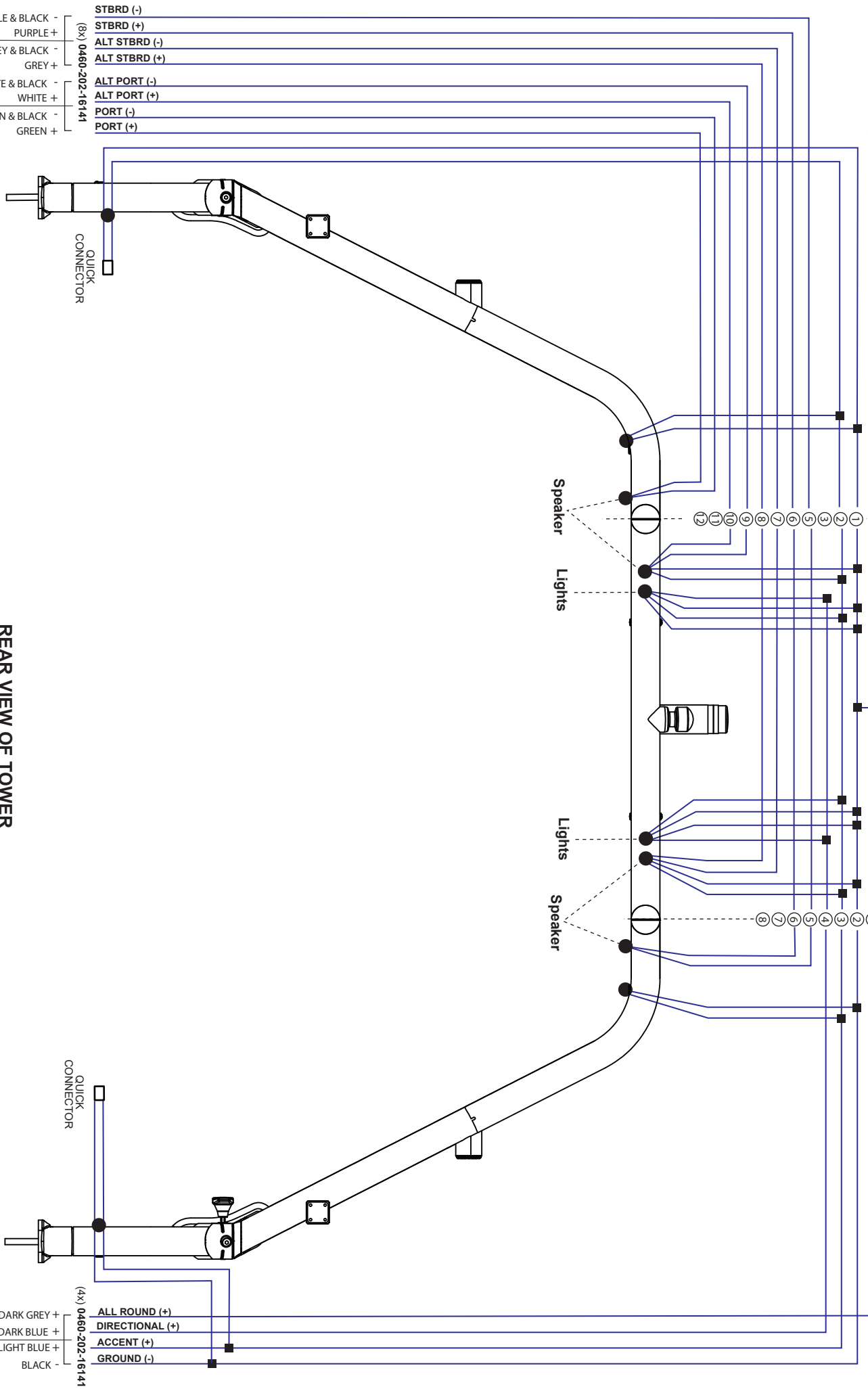
Tower Wiring / Speaker wiring



MOOMBA

Aviator 3 Tower
Wiring Diagram

Revised August 13th, 2018



AUDIO
PORT SIDE

REAR VIEW OF TOWER

ROSWELL
UNIVERSITY

LIGHTS
STARBOARD SIDE

[illegible]