

Tower & Accessories Care / Maintenance / Operation

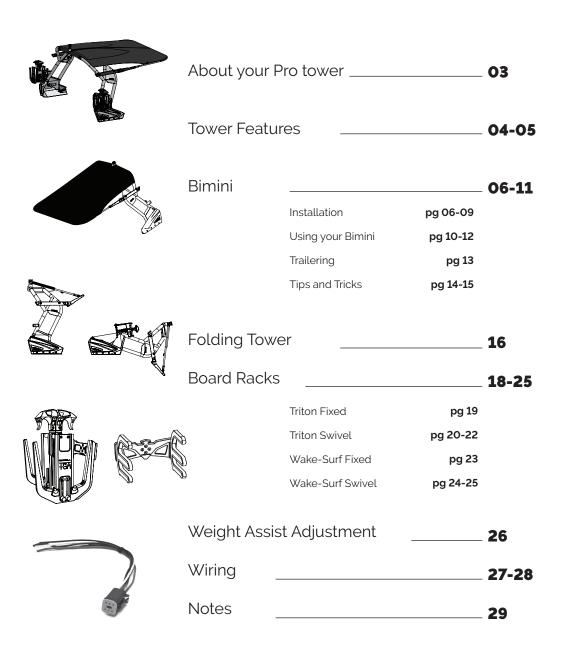


MOOMBA PRO TOWER

Information: info@roswellmarine.com **Warranty:** warranty@roswellmarine.com



TABLE OF CONTENTS



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, side tow a maximum of one wakesurfer at a time 250 lbs (114kg)

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 thread-locker they may loosen over time.

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

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.

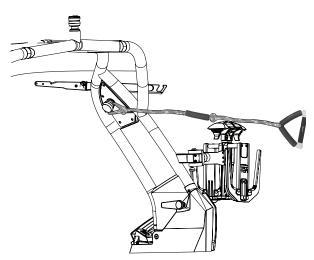
Check the clearance between your tower and any overhead obstacles including bridges, canals etc.

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

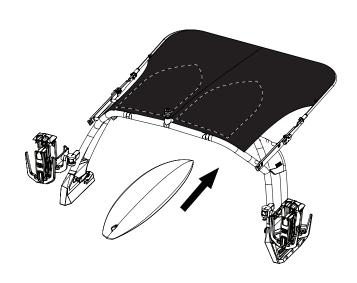


PRO TOWER FEATURES



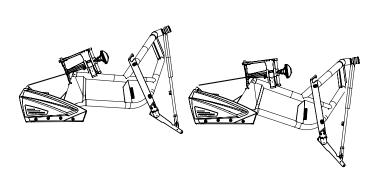
Surf Tow Heads

Why be in the wake when you can be on it. The surf tow heads make it easier to get up without the wash of the wake and allows you to be on the correct side of the wake before you even start. Port & starboard sides available on all towers.



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.



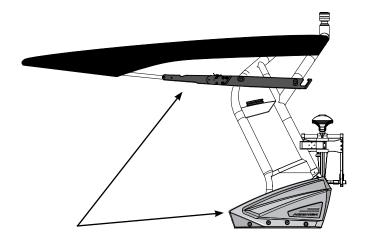
Low clearance while operating.

Fully folded.

2 Folding Positions

The Moomba Pro tower has an additional bumper that allows the tower to fold partially to get under low objects such as bridges when boating.

Note: More information on Page 15



Upgrade Kit

To customize your Moomba Pro tower can have custom painted side plates and bimini arms.

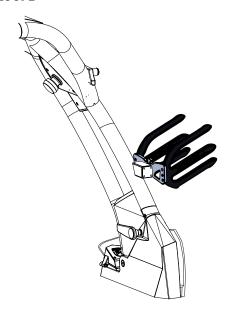
Give yourself a break from sun you can add on a bimini package to the Moomba Pro tower.

PRO TOWER FEATURES

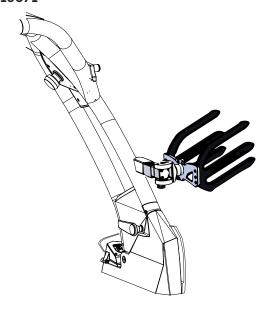
Two Styles of Mounts for Two Styles of Board Racks

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.

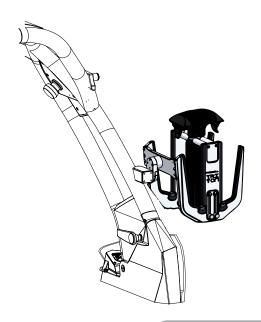
Fixed Board Rack C915-116071



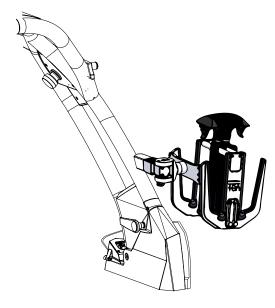
QR Swivel Board Rack C915-116063 with C915-116071



Fixed Triton Board Rack C915-118179

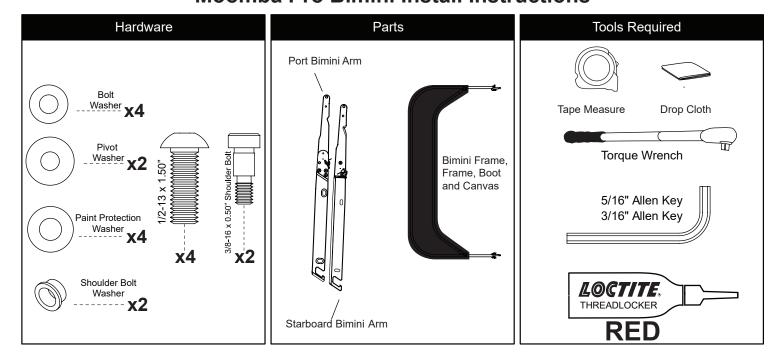


QR Swivel Triton Board Rack C9151-16063 with C915-118179



Note: More information on Page 16

Moomba Pro Bimini Install Instructions

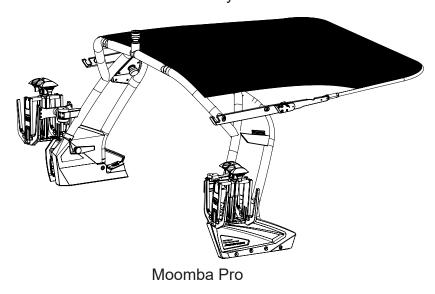


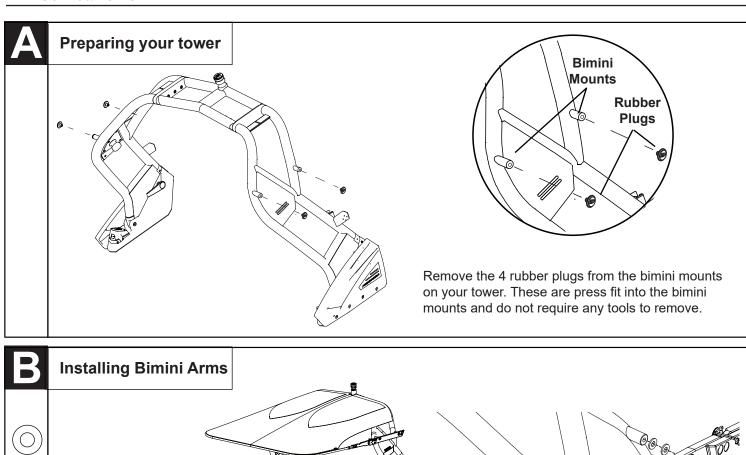
Towers and tower accessories require regular maintenance. Tower hardware and retaining bolts can become loose with normal operation; it is the owner's responsibility to ensure all hardware is kept tight and secure. Corrosion and/or oxidation on coated surfaces as well as on all hardware are specifically 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.

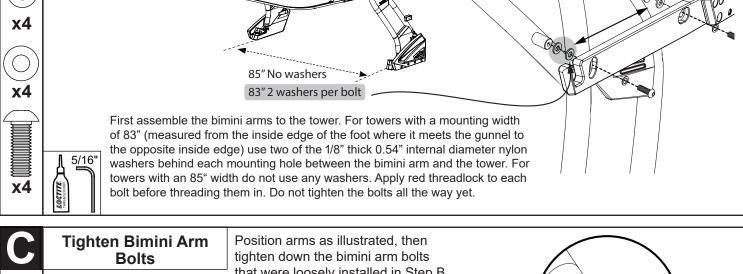
Roswell recommends 2 people for installation of the bimini.

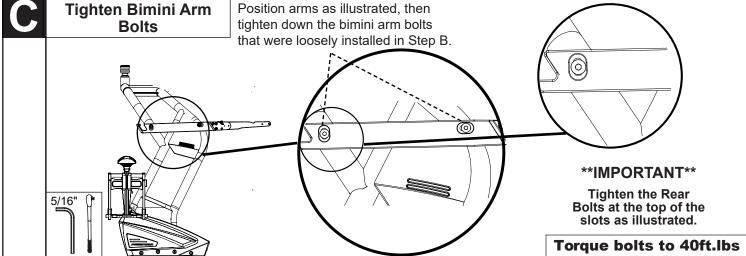
Important

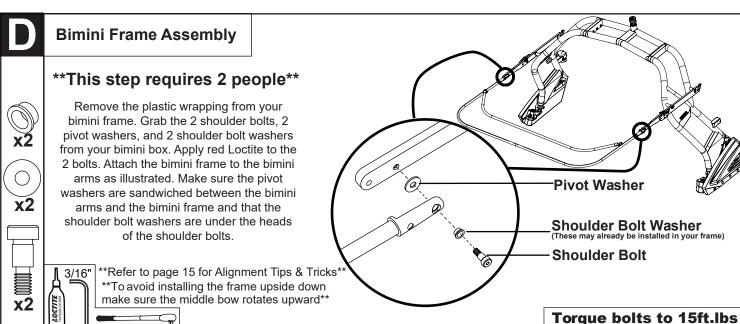
Read & follow these installation instructions carefully. Failure to do so may result in an improper bimini installation. Damage to parts due to improper bimini installation is not covered under warranty.



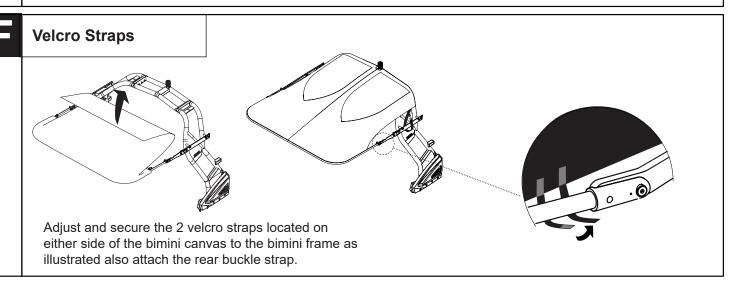


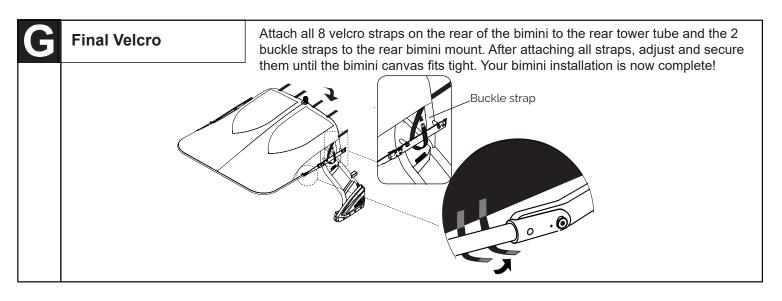


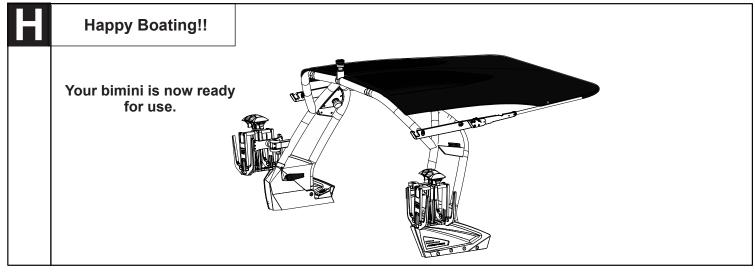




Unzip the bimini boot from the bimini frame. Unroll your fabric and middle bow. Rotate the frame upwards and insert the quick release pins through the arms and bimini frame. Folding Quick Release Pin Bimini Boot



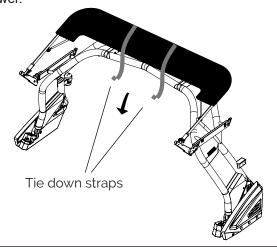




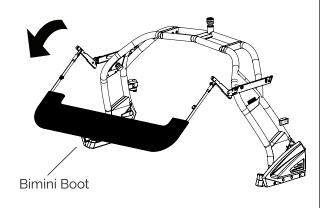
Unfolding Your Moomba Bimini



Undo the 2 straps that secure the bimini to your tower

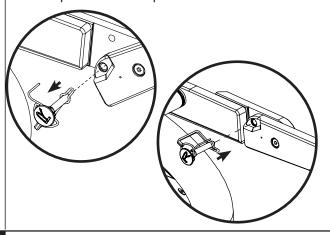


Unfold the frame from the tower. Unzip the bimini boot from the bimini frame. Unroll your fabric and middle bow



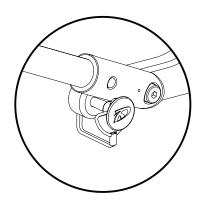
C

Remove the quick release pins from the bimini arms, rotate downwards and insert the quick release pins in the new position



Rem fram

Remove the quick release pins and lift up the frame slightly, then insert the quick release pins into the bimini arms only.

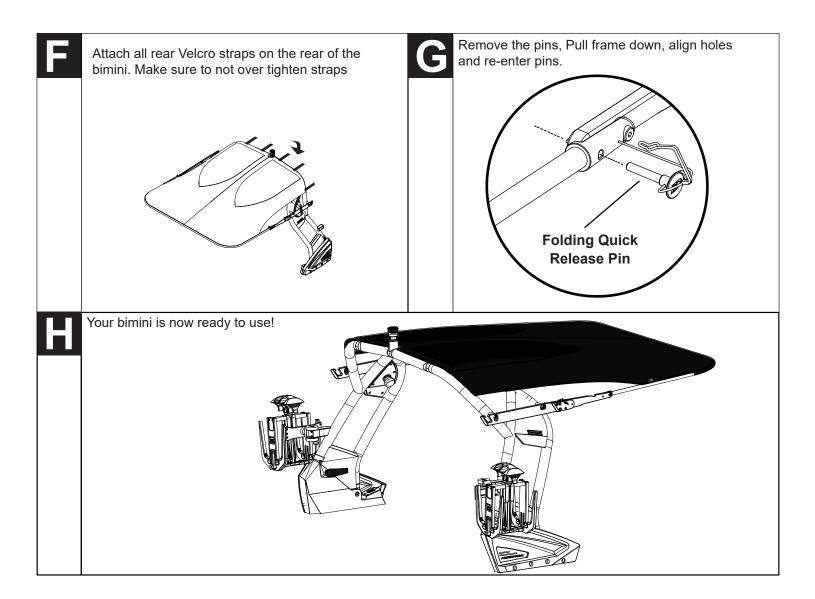


Buckle strap

Ε

Adjust and secure the Velcro straps located on either side of the bimini canvas and clip the rear buckle strap in.

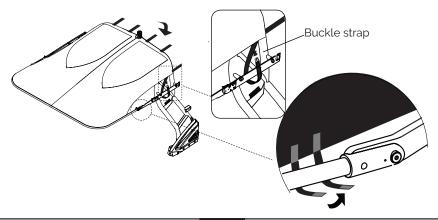




Folding Up Your Moomba Bimini

A

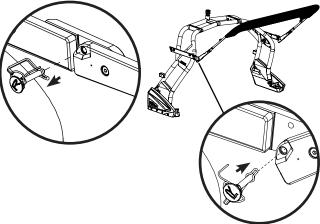
Undo all Velcro straps and both buckle straps attaching the rear of the bimini canvas to the tower. Also release the straps on the side of the bimini frame.

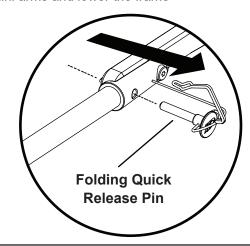


Remove the quick release pins from the bimini arms, rotate upwards and insert the quick release pins in the new position



Remove the quick release pins located on both bimini arms and lower the frame

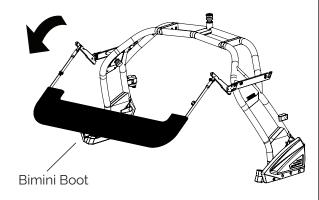


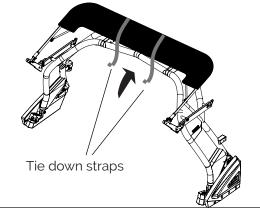


Fold the middle bow towards the front bow and wrap the fabric around both bows. Zip the bimini boot over the bows and fabric.



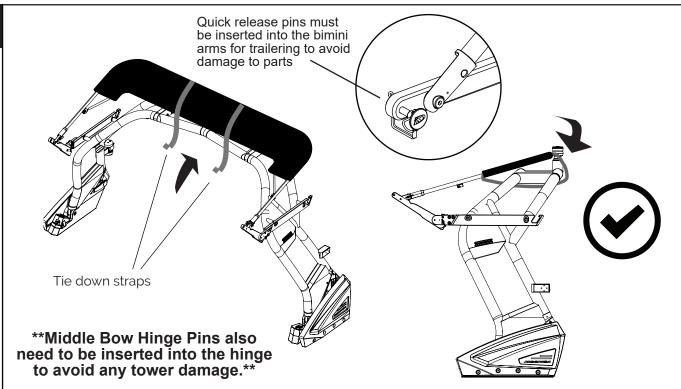
Fold the bimini up towards the tower until it rests on the top of the tower. Loop the tie down straps over the tower tubing. Adjust the straps to tighten the bimini to the tower.





Tower folding / Trailering





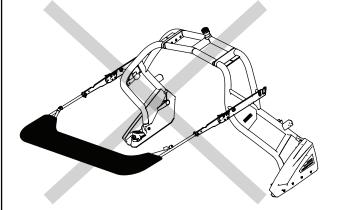
*** Illustrated is the ONLY acceptable way to safely fold your Moomba tower or trailer your Moomba boat with the bimini on***

ATTENTION

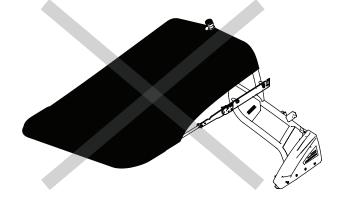
DO NOT TRAILER YOUR BOAT WITH THE BIMINI IN ITS OUTSTRETCHED POSITION

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 Bimini Canvas

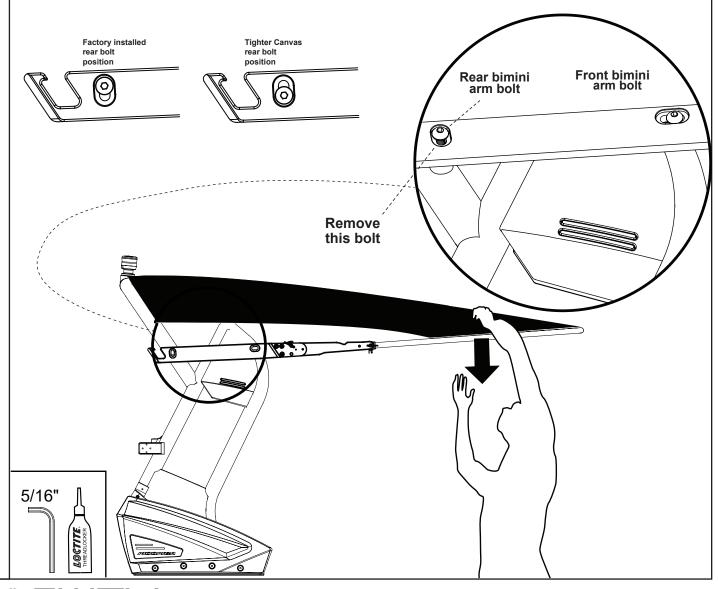
It is normal that your bimini canvas will stretch over time and use. Your Moomba Bimini has been designed to allow you to tighten your canvas as needed.



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 threadlocker to each bolt and rethread 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.



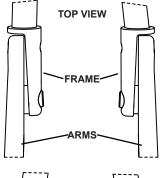
Tips and Tricks for your Bimini

It is normal that there is potentially a slight variation from one tower bimini to another.

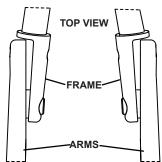
Listed below are some tips and tricks to ensure that your bimini is installed and
functioning properly. This process is not mandatory for all biminis.



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

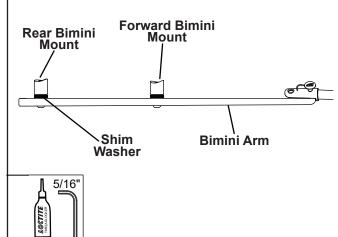


If your bimini looks like this, in Step 2 you will need to add shim washers between the rear bimini mounts and your bimini arms



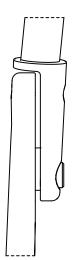
Choose one side of your tower to work on first. Determine which bimini mount the shim washers will need to be added to. Completely remove the bolt that secures the bimini arm to your chosen bimini mount. Loosen the other bimini arm bolt. Add the shim washer(s) in between the chosen bimini mount and bimini 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.

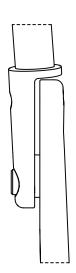






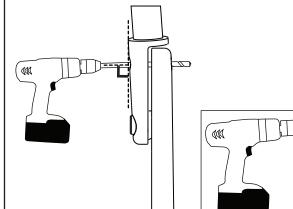
Now that your shim washers have been added your frame and arms should be parallel or much closer. Test removing and inserting your quick release pins. If it is still difficult to remove or insert the pins proceed to the next step.





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







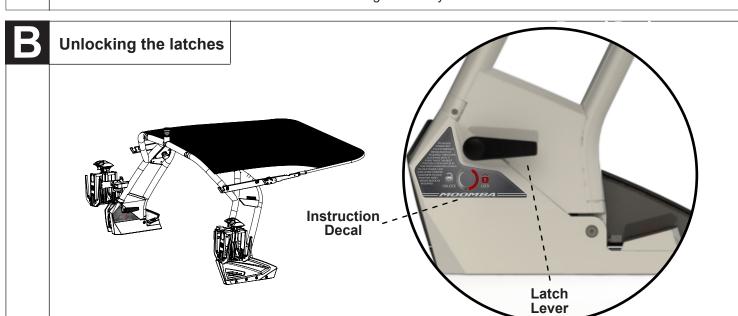
5/16" Drill Bit

Folding Your Tower



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.



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 your are ready to support and slowly lower the weight of the tower.

PORT Side <u>Unlocking</u>:

Turn lever **CLOCKWISE** until it stops.

This is the reset position.

PORT Side Locking:

Turn lever COUNTERCLOCKWISE.

STARBOARD Side <u>Unlocking</u>:

Turn lever **COUNTERCLOCKWISE** until it stops.

This is the reset position.

STARBOARD Side Locking:

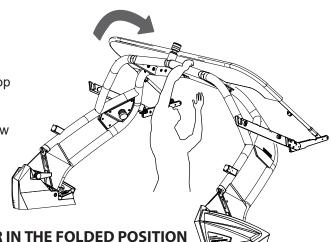
Turn lever **CLOCKWISE**.

Unlocking the latches

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

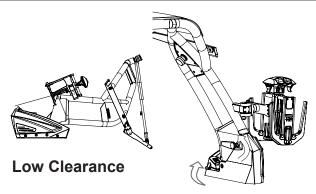
This folded position is intended for low speed boat operation such as

- Parking boat in garage
- Boating under a bridge
- Parking Boat in Slip



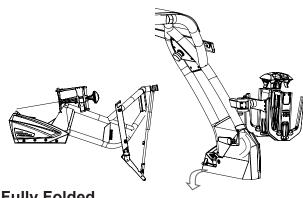
DO NOT TRAILER YOUR TOWER IN THE FOLDED POSITION





The Moomba Pro tower has a bumper that allows the tower to fold partially to get under low objects such as bridges when boating. To do this make sure that the bumper is folded up on the port side of the tower. Then release the cam latches and fold the tower.





Fully Folded

To fully fold the Moomba pro tower flip the bump stop on the port side down and then release the cam latches and fold your tower.



Rise the tower up

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

PORT Side Locking:

Turn lever **COUNTERCLOCKWISE**.

PORT Side <u>Unlocking</u>:

Turn lever **CLOCKWISE** until it stops.

This is the reset position.

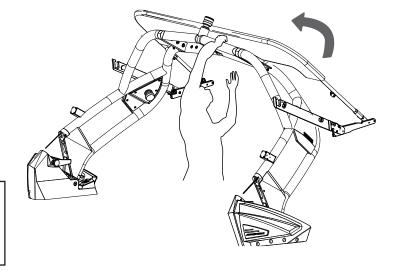
STARBOARD Side <u>Locking</u>:

Turn lever **CLOCKWISE**.

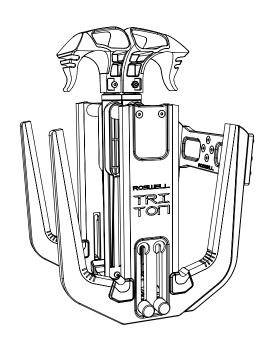
STARBOARD Side <u>Unlocking</u>:

Turn lever **COUNTERCLOCKWISE** until it stops.

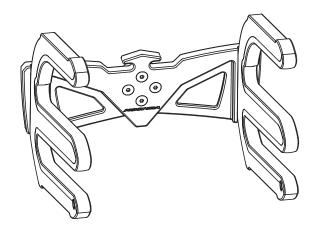
This is the reset position.



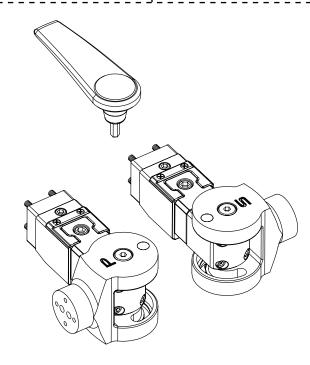
Board Racks/ Swivel/ Quick Release







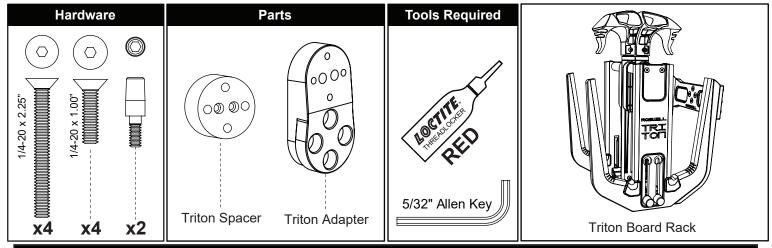
Wake Surf #C915-116071



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



ATTENTION A

- 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.

- ·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.

ROSWELL.

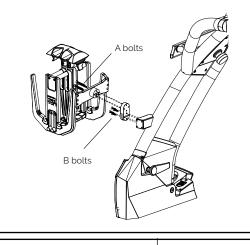
Fixed mounting

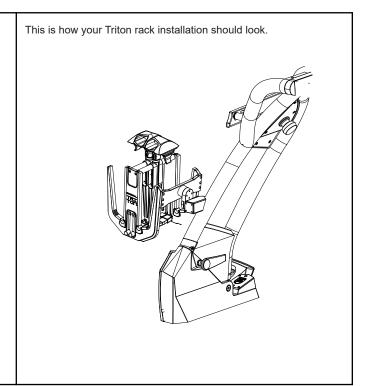


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1: Mount the adapter to the tower block with the 4 (B) bolts included with your adapter. Add a drop of red threadlocker to each bolt first.

2: Mount the triton rack to the adapter using the 4 long (A) bolts provided with your rack. Add a drop of red threadlocker to each bolt first.







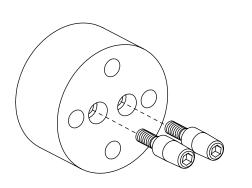
Swivel mounting

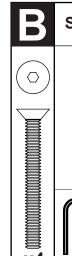


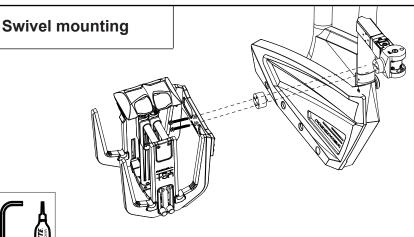


5/32"

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 threadlocker to the 2 pins first. If it doesn't move on to step E.



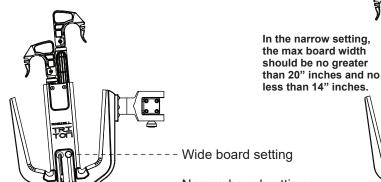




If you are mounting your Triton rack to a swivel, use the 4 bolts provided and the spacer. Apply threadlocker to the 4 bolts first.



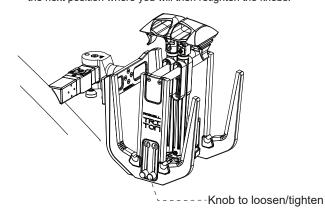
Your Triton rack is designed to be adjustable to fit just about any size of wakeboard, wakesurfer or wakeskate. There are 2 settings, one for narrower boards, one for wider boards.

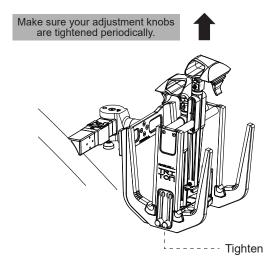


In the wide setting, the max board width should be no greater than 23" inches and no less than 17" inches.



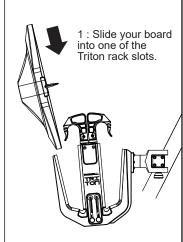
Adjust your telescopic arms one at a time. To adjust your telescopic arms loosen the knobs on both sides of the rack for the same arm until the knobs are past the counterbored holes they sit in. At this point you will be able to slide the whole arm assembly up or down to the next position where you will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



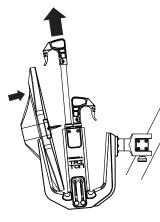




Inserting Boards

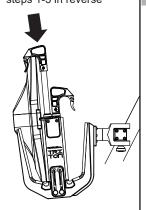


2 : Pull up on the telescopic arm and flip your board towards it.

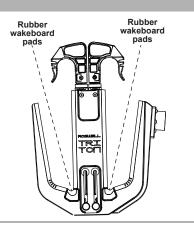


3 : Let the telescopic arm clamp down over your board.

To remove a board, repeat steps 1-3 in reverse



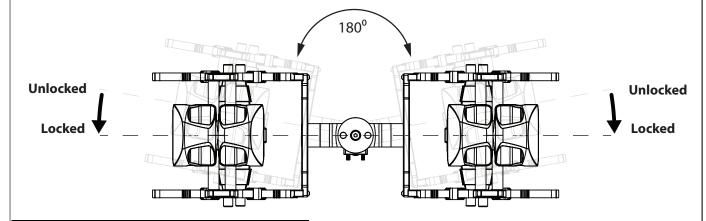
Ensure wakeboards with sharper edges are located within the harder rubber wakeboard pads in the tine slots. This is essential to avoid damaging the softer foam protection intended for fragile surfboards and wakesurfers.



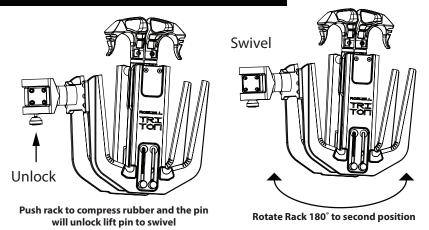
A

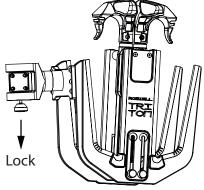
Swivel Operation

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.



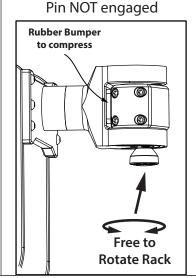
How to properly operate the Swivel

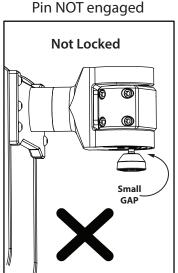


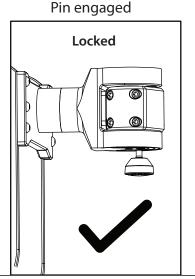


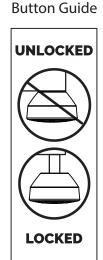
Push rack to compress rubber and the pin will drop in lock hole

How to identify if your swivel is locked

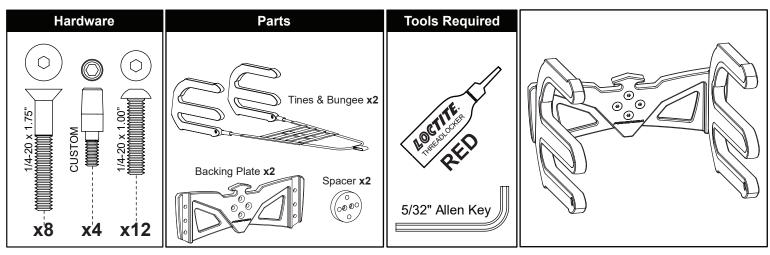








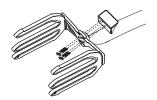
Wake/Surf Rack Assembly Instructions



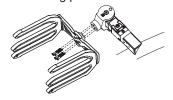
** BOARD RACK BUNGEE CORD NOT ILLUSTRATED FOR IMAGE CLARITY **

Below are the recommended mounting options for Roswell board racks.

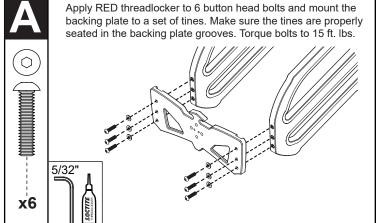
Installation instructions available with respective mounting products.

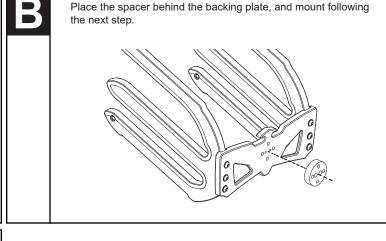


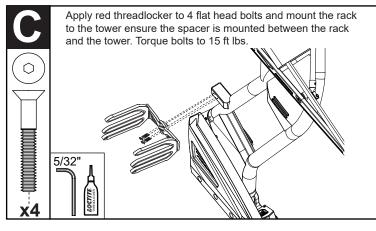
Fixed Tower Mount



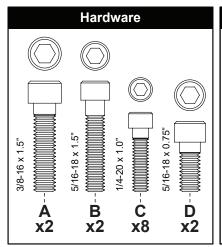
Quick Release Swivel Mount

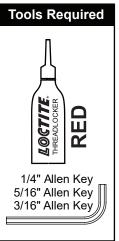


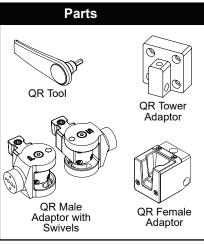


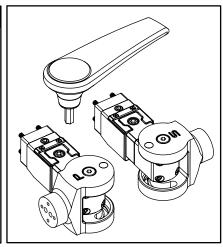


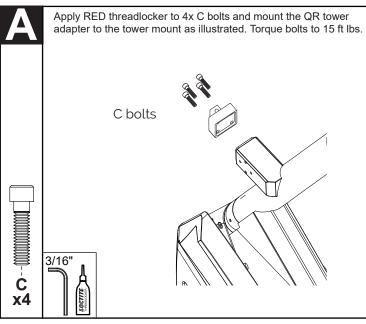
Board Rack Quick Release Assembly Instructions

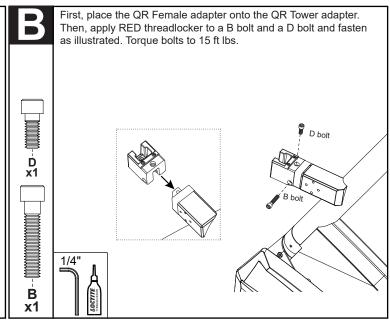


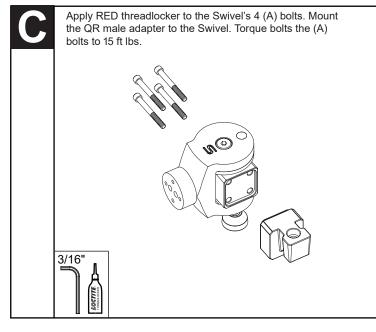


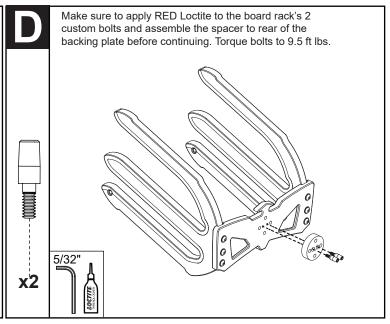


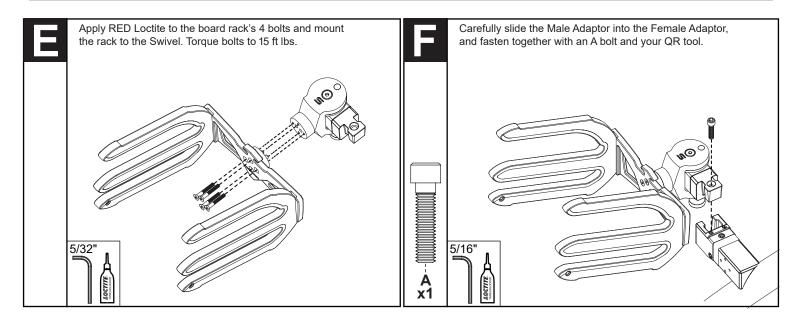






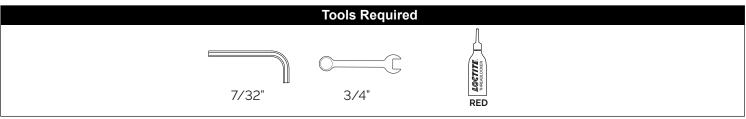


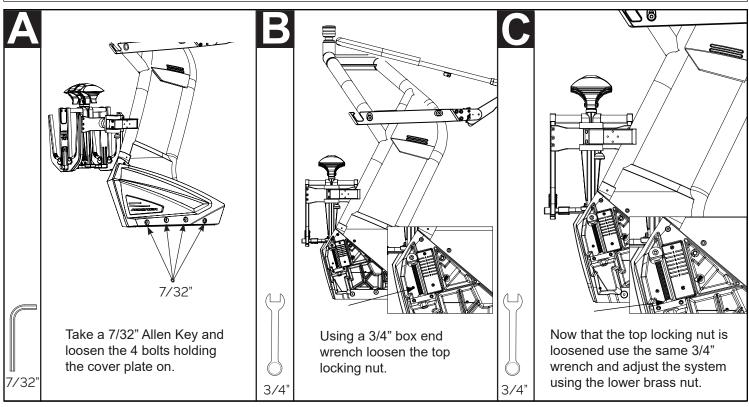




Weight Assist www.roswellmarine.com

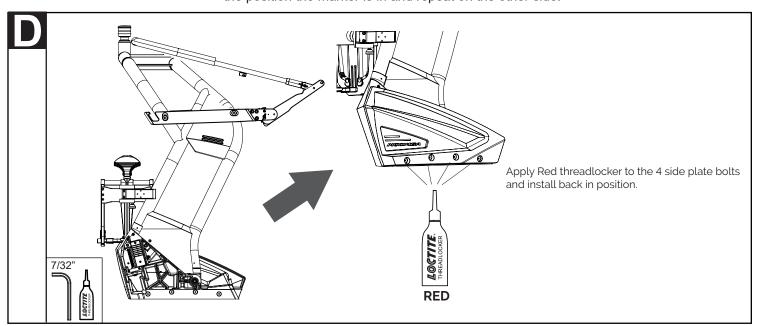
Moomba Pro Weight Assist Adjustment





NOTE:

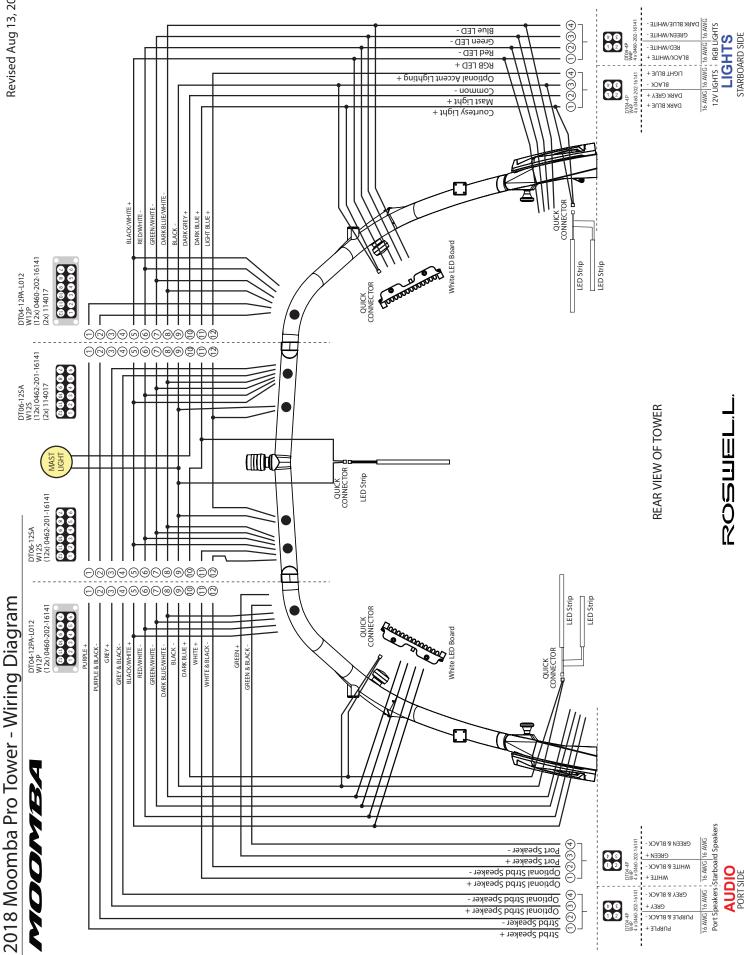
This will have to be repeated for both sides. Take note of the position the marker is in and repeat on the other side.



Wiring Diagrams

Tower Wiring / Speaker wiring





NOTES