

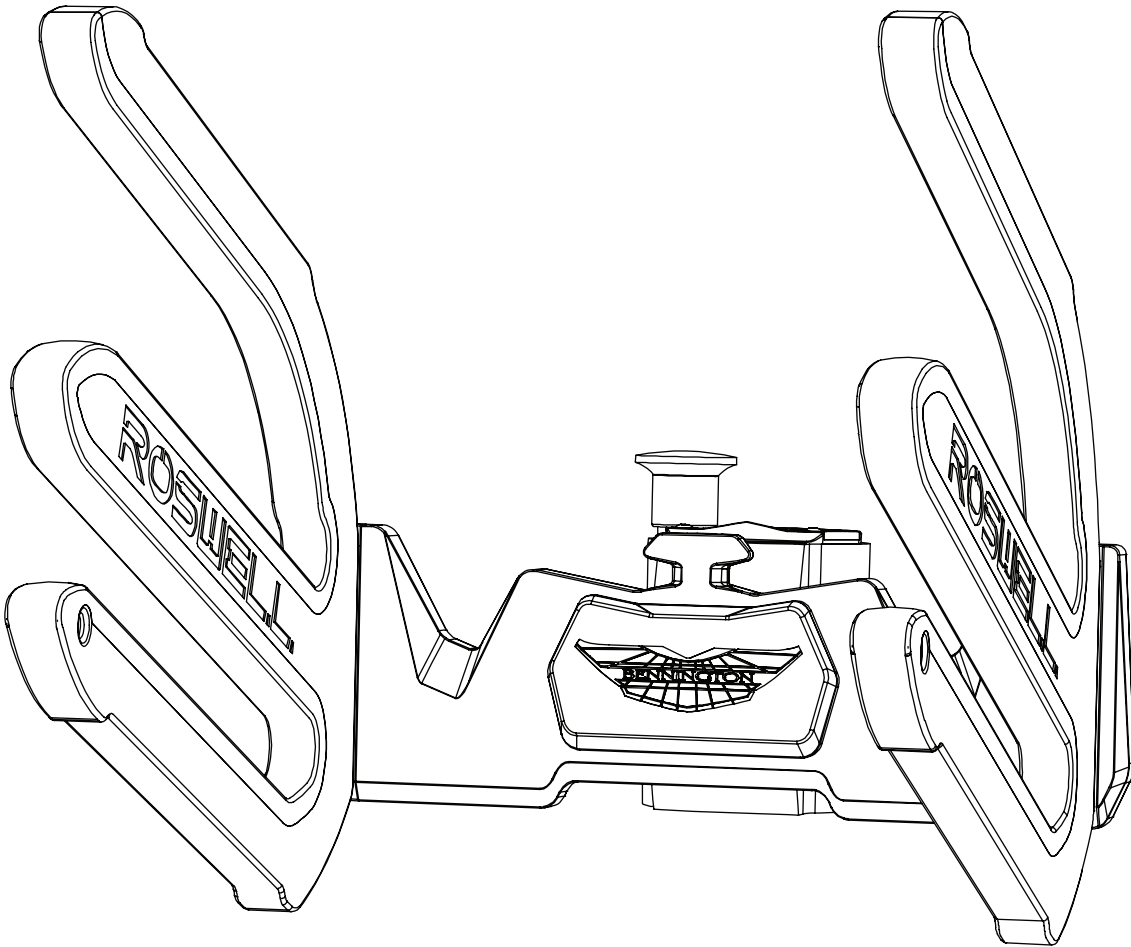
**ROSWELL.**

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# BENNINGTON

Board Rack Assembly Installation & Usage



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**Part # C924-017091**

**Information:** [info@roswellmarine.com](mailto:info@roswellmarine.com)

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

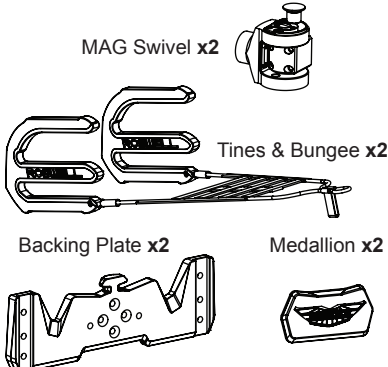
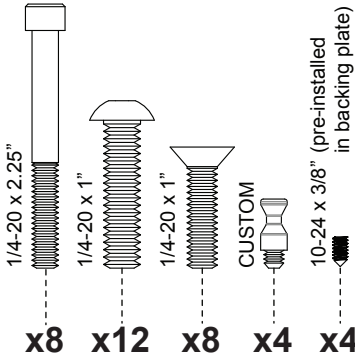

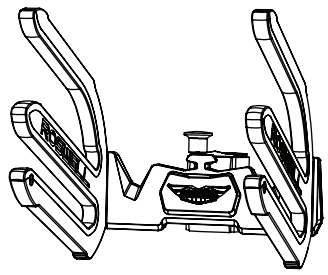


## ! ATTENTION !

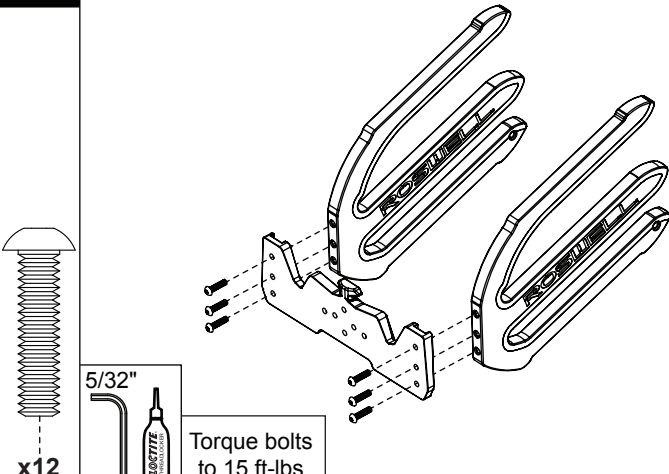
Roswell strongly recommends that a routine inspection of hardware and components be done to ensure proper function and safety and to maximize product life. If bolts are found to be loose, discontinue use until thread lock is re-applied and bolts are re-tightened.

## ! 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.

Parts	Hardware	Tools Required	
 <p>MAG Swivel x2</p> <p>Tines &amp; Bungee x2</p> <p>Backing Plate x2</p> <p>Medallion x2</p>	 <p>1/4-20 x 2.25" x8</p> <p>1/4-20 x 1" x12</p> <p>1/4-20 x 1" x8</p> <p>CUSTOM x4</p> <p>10-24 x 3/8" (pre-installed in backing plate) x4</p>	 <p>LOCTITE THREADLOCKER RED</p> <p>3/32" Allen Key 5/32" Allen Key 3/16" Allen Key</p>	 <p>Instructions to build <b>two</b> racks</p>

**A** Apply RED Loctite to 6 button head bolts, mount the backing plate to a set of tines. Make sure the tines are properly seated in the backing plate grooves.



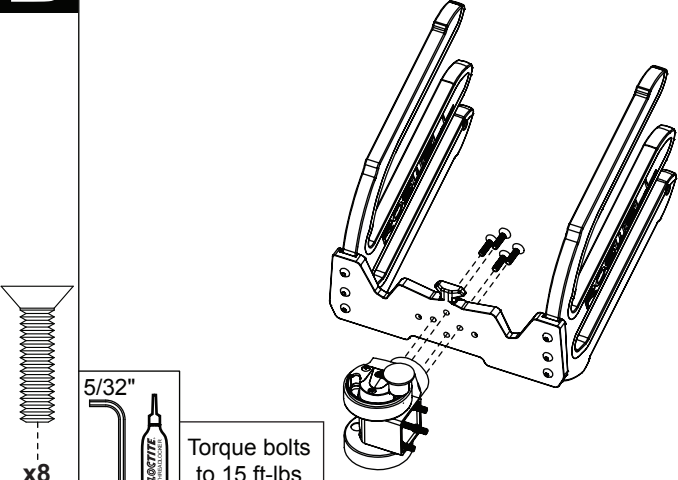
5/32" Allen Key

Loctite

Torque bolts to 15 ft-lbs

x12

**B** Apply RED Loctite to 4 flat head bolts and assemble the swivel to the board rack backing plate with the space in between.



5/32" Allen Key

Loctite

Torque bolts to 15 ft-lbs

x8

**C** 1) Apply red Loctite to 2 custom bolts and fasten to the back of the medallion. 2) Insert the medallion into the backing plate, 3) Fasten the medallion in place by inserting 2 set screws under the backing plate. **Do not use thread lock on the set screws.**

Hand tighten bolts

Do not thread lock these set screws

## 1: Mounting to a standard Tower

-Proceed Below

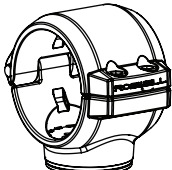






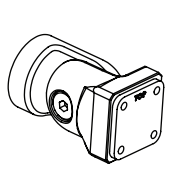
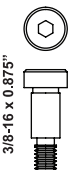
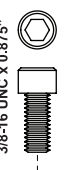
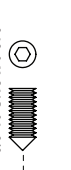
or

## 2: Mounting to a Roswell Tower

-Proceed to step K

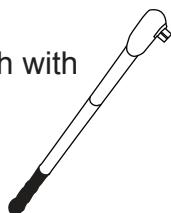
## 1: Mounting to a standard Tower

### PACKAGE CONTENTS

Clamp Box Contents							Swivel Adapter box contents			
										
x1	x2		x1	x1	x2	x1	x1	x1	x3	x1

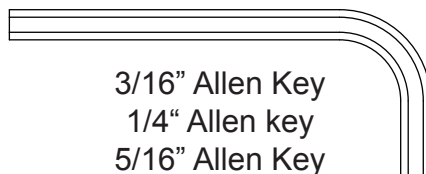
### TOOLS NEEDED

Torque Wrench with  
3/16" Allen Bit  
1/4" Allen Bit  
5/16" Allen Bit



OR

3/16" Allen Key  
1/4" Allen key  
5/16" Allen Key

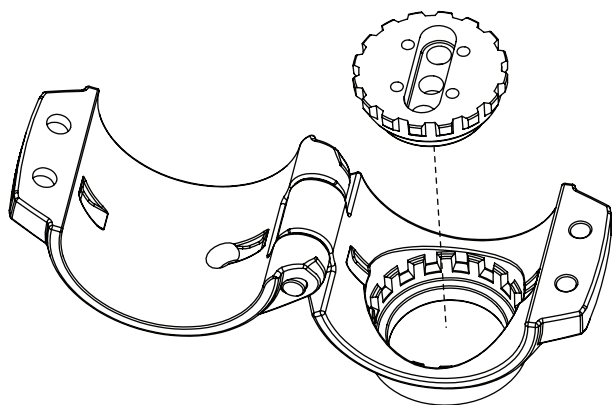


**LOCTITE**  
THREADLOCKER

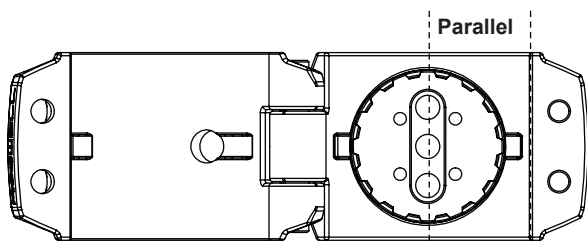
RED



## D



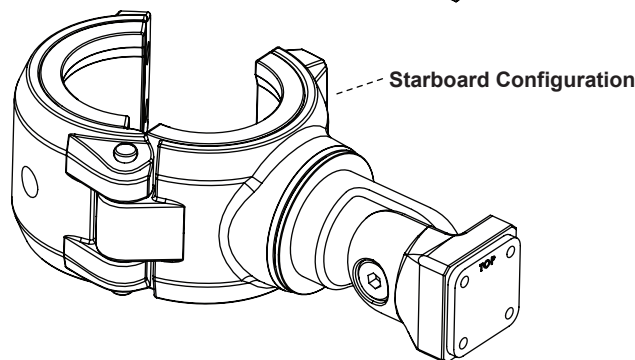
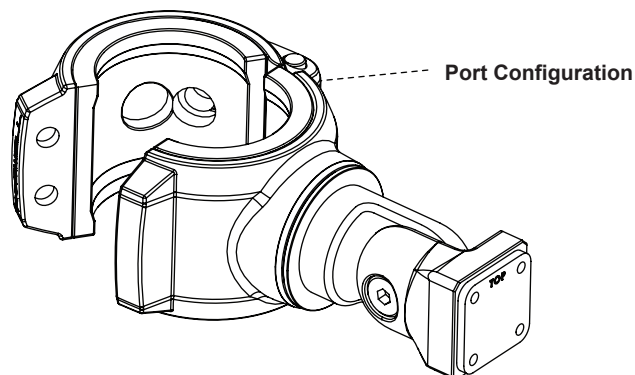
1: Insert the angle adjustment piece into the clamp base in the orientation shown.



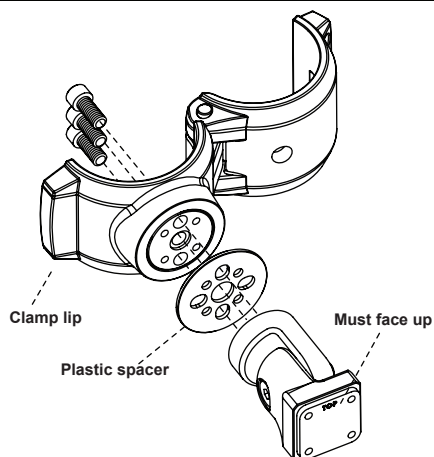
2: Once located, this is how your clamp should look. Ensure the holes are running parallel to the edge indicated.

## E

Before proceeding to step F, view the images below to know how your clamp and swivel adapter will look once assembled depending on which side it will be installed on.



## F



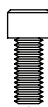
Assemble the swivel adapter to the clamp with the bolts provided. Be sure the plastic spacer is sandwiched between the clamp and the swivel adapter.

\*\*\*IMPORTANT\*\*\*

The swivel adapter has the word "TOP" Marked on it. This must face up for final installation. The Lip of the clamp must face out for final installation.



x1

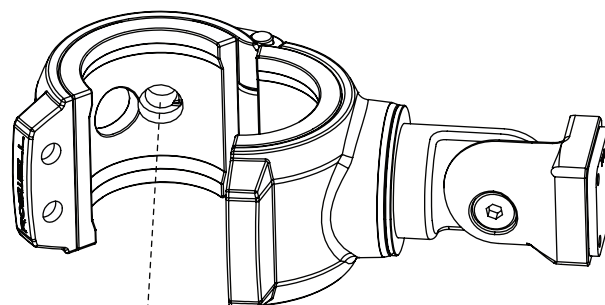


x3

Torque bolts to 25ft-lb



## G



Set screw hole



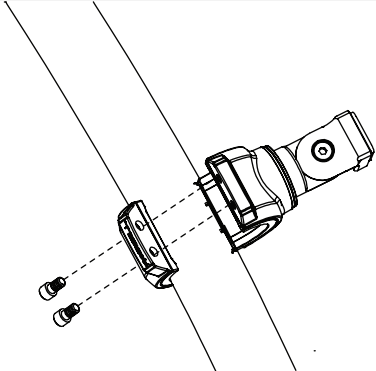
x2




x2


Determine which size plastic inserts you require to mount your rack to your tower. Insert the appropriate size plastic inserts into the clamp halves being sure to line up the set screw hole in the plastic with the set screw hole in the top of the clamp.

## H



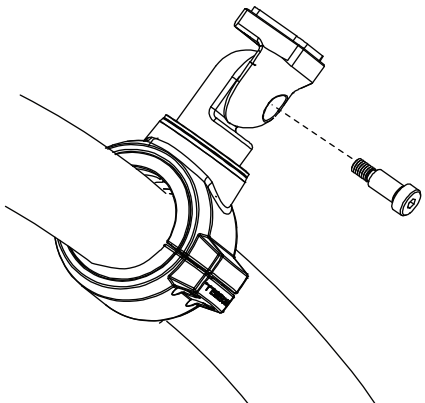
Mount the clamp and swivel adapter assembly to your tower tubing with the provided bolts as illustrated. Add a drop of red loctite to each bolt first.

  
**x2**


  
 5/16" RED


Torque bolts  
to 25ft-lb

## I

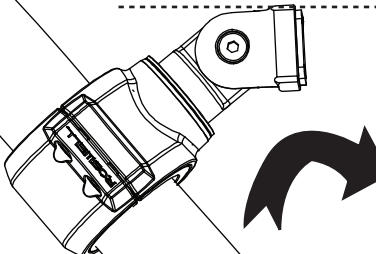


Remove the pivot bolt on the swivel adapter. Apply red Loctite to the thread and re-insert the bolt. **Do not fully tighten.**


  
**x1**

  
 1/4" RED

## J



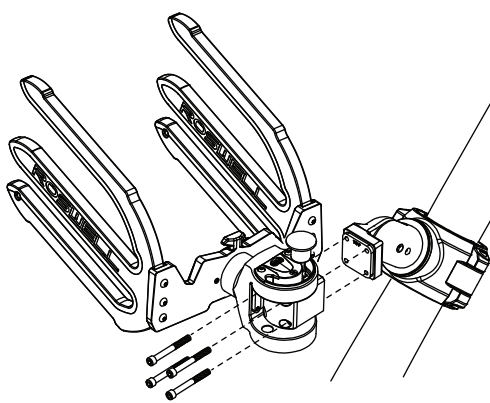
Rotate the swivel adapter fitting to as close to level as possible and tighten down the main pivot bolt left loose in step I.

  
 1/4"

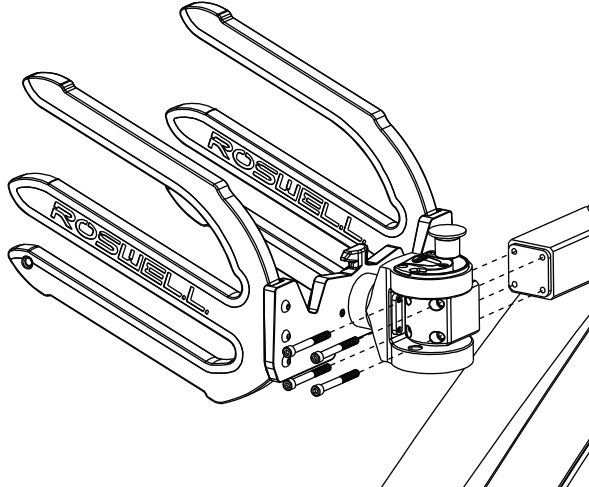
Torque bolts  
to 25ft-lb

**Level**

## K

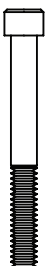



**Mounting to a standard Tower**  
Once installed proceed to step L



**Mounting to a Roswell Tower**  
Once installed Happy Boating.

or

  
**x4**

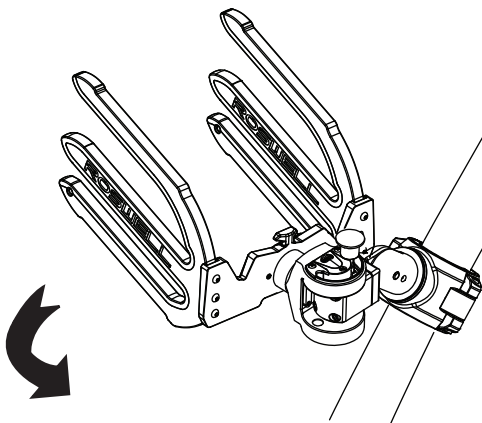
  
 3/16" RED

Torque bolts  
to 15ft-lb

Add a drop of red Loctite to each bolt first. Mount the rack and swivel assembly to the swivel adapter as illustrated with the 4 bolts provided.

**Note:** Following instructions are only for mounting to a standard Tower


## L



Swivel your rack to the inside and outside positions with a board. Ensure your swivel is operating well and locking in both positions. Ensure there is no interference occurring. This is the point where you can tweak the angle of the swivel adapter (Step J) and the clamp angle on the tubing to optimize fit and function. If you alter anything, Check clearance and function again.


## M

Use with 2.5" clamp inserts



**x1**


**OR**




**x1**

Use with 2.0" clamp inserts

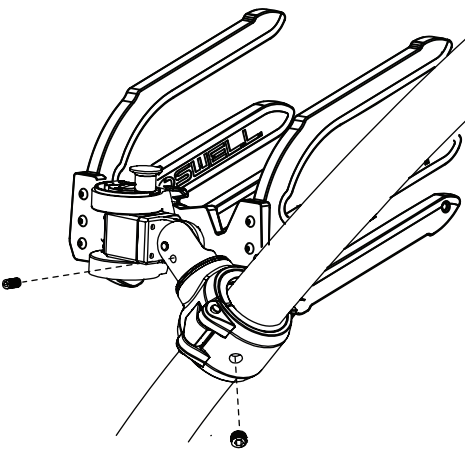
Torque set screws to 25ft-lb



3/16" & 5/16"



LOCTITE  
RED



Apply a drop of red Loctite to each set screw first. Once you are happy with the final location of the rack, install the swivel adapter set screw to lock in the angle of the swivel adapter. Then install the clamp set screws to lock the location of the entire rack assembly.

## 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 of locking pin be sure to swing racks until they reach a lock position AND compress the rubber bumper at end of travel. Once this is accomplished the locking pin will be drawn down automatically leaving no gap between pin handle and swivel.

### How to properly operate the Swivel

1.

Lift pin to unlock swivel

2.

Rotate Rack 180° to second position

3.

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

Free to Rotate Rack

Not Locked

Locked

6

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