



**Thank you for purchasing a Tsunami Wakeboard Tower by Extreme Marine Products, Inc. Please read and understand the instructions before proceeding to install. Inspect the package for missing or damaged parts caused from shipping.**

**A Few Helpful Hints:**

Spend some extra time doing the layout of the tower on the boat before you drill. If possible, do the installation inside a garage where you can hang the tower from the ceiling. This makes trying different locations much easier. When the tower is folded down, it is recommended to rest it on a motor cover or sun pad.

When drilling in fiberglass use a 1/4" pilot bit then a 13/32" bit to mount the feet. Also run the drill in reverse thru the gelcoat, which is the top layer (about 1/16" thick.) Always countersink the holes drilled in the fiberglass for the mounting feet. If you don't have a countersinking bit, use a larger diameter drill bit by hand to taper the hole out. When you drill thru the fiberglass use a vacuum on the inside of the boat to catch the shavings. This makes clean up a breeze.

Installation on boats with open bows require a little more thought. Layout the front feet first since there may be minimal space between the seats and windshield.

Keep in mind you are going to be placing backing plates and need access to fit a wrench to tighten the nut on the mounting feet bolts on the inside of your boat. Double check the location of the feet before drilling.

**Make sure you put a dab of an anti seize lubricant on all of the male threads of the stainless steel hardware except the 5/16" set screw. Grease should be applied to the bearings in the heim joints when needed.**

**A Word Of Caution:**

Most newer boats have thicker fiberglass to support the stresses occurring from the installation & use of a wakeboard tower. We recommend a minimum fiberglass thickness of 3/8" inch. If you have an older boat or fiberglass thinner than 3/8" you may need to reinforce the mounting area. Please consult your boat manufacturer or your local dealer.

**Warranty:**

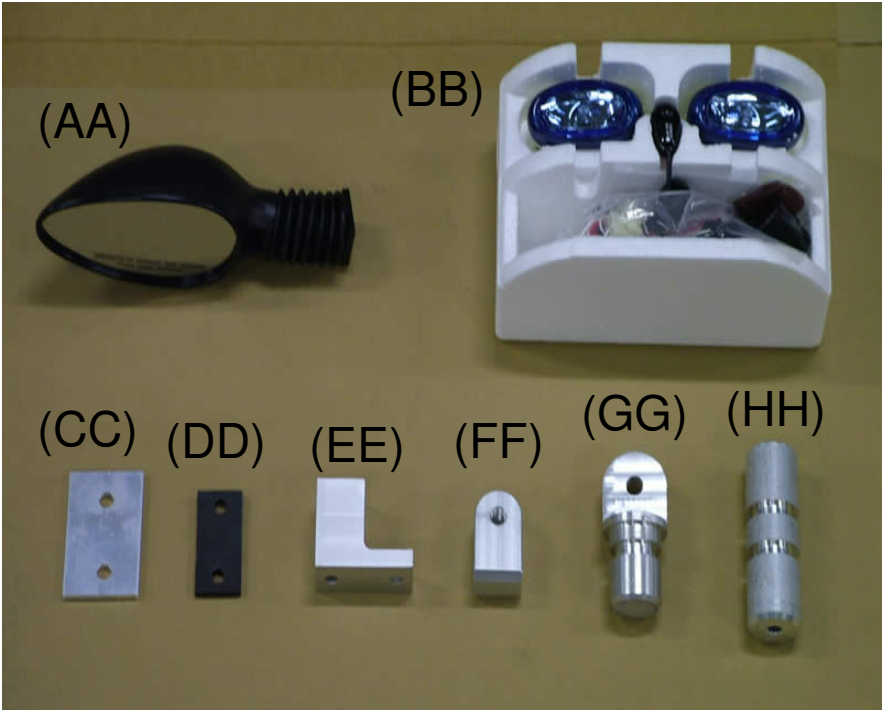
1 year warranty on manufacturer defects. Damage cause to the tower from improper installation, misuse, aftermarket accessories, or failure to check all hardware before, during, and after each use will void warranty.

**Tools Needed for Installations**

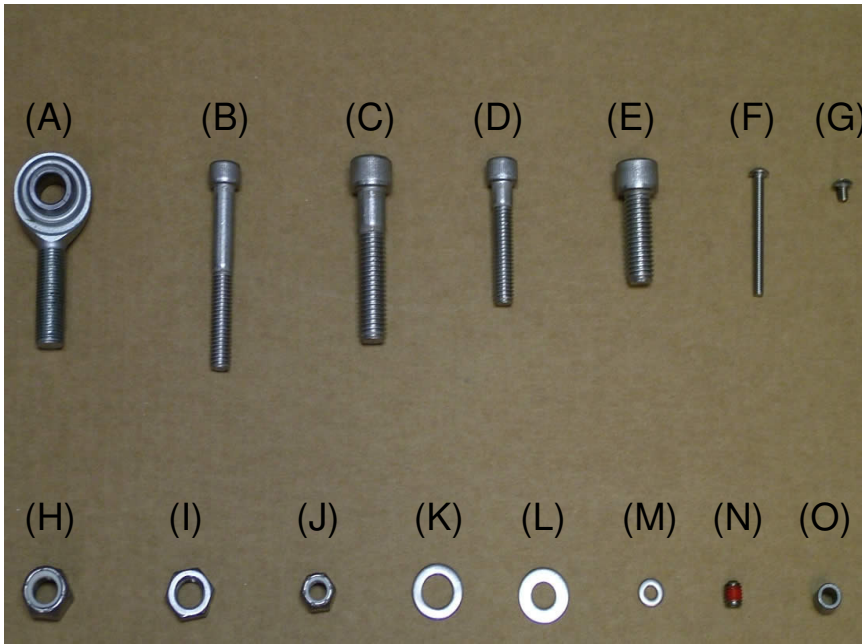
- \* Tape Measure
- \* 1/4", 13/32" & 7/16" drill bits
- \* Silicon sealant
- \* Safety glasses
- \* Sandpaper
- \* Never seize lubricant
- \* Sawzall, chop saw, or hacksaw
- \* Masking tape
- \* Marking pen
- \* 9/16" & 3/4" end wrenches & sockets
- \* Countersink bit
- \* Allen wrenches
- \* Shop Vacuum



- (I) Side Frames Qty. 2
- (II) Lower Front Legs Qty. 2
- (III) Cage Assembly Qty. 1
- (IV) Top Bent Bars Qty. 4



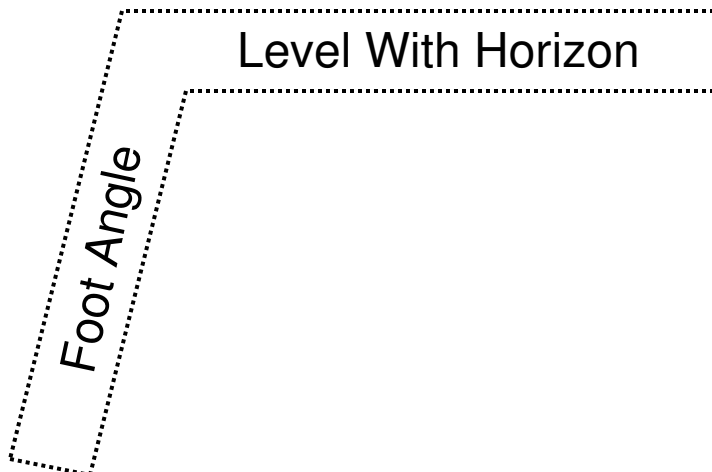
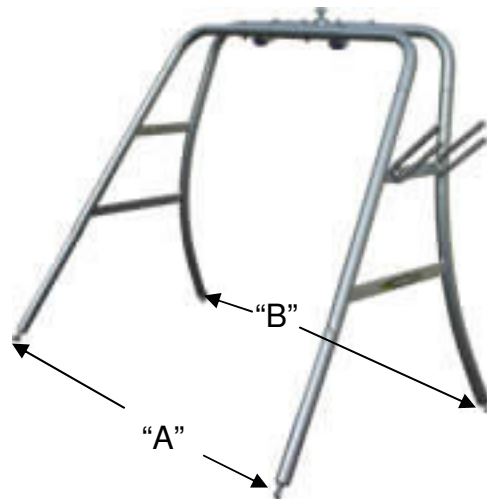
- (AA) Mirror Qty. 1
- (BB) Light Kit Qty. 1
- (CC) Backing Plates Qty. 4
- (DD) Rubber Pads Qty. 4
- (EE) L-Shape Foot Qty. 4
- (FF) U-Shape Foot Qty. 4
- (GG) Breakaway Fitting Qty. 4
- (HH) Inner Coupler Qty. 4



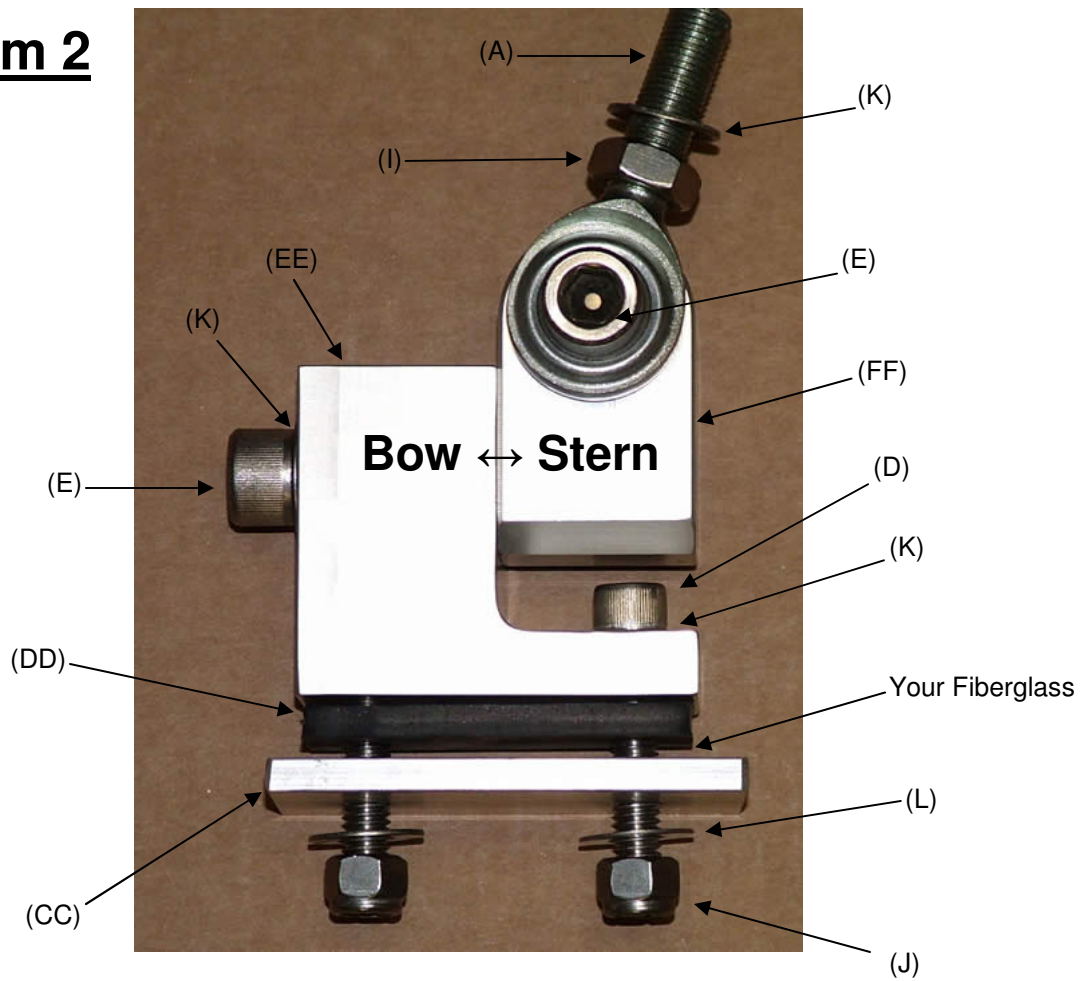
- (A) 1/2" Heim Joint 4
- (B) 3/8" x 3" SHCS 8
- (C) 1/2" x 2 1/2" SHCS 4
- (D) 3/8" x 2" SHCS 8
- (E) 1/2" x 1 1/2" SHCS 6
- (F) #10 x 2" BHCS 1
- (G) #10 x 1/4" BHCS 2
- (H) 1/2" Nyloc Nut 2
- (I) 1/2" Jam Nut 4
- (J) 3/8" Nyloc Nut 16
- (K) 1/2" Washer 12
- (L) 3/8" Washer 28
- (M) #10 Washer 1
- (N) 5/16" x 3/8" Set Screw 24
- (O) Drill Bushing 1

Dimension "A"	
Front Foot Dimension	
Dimension "B"	
Rear Foot Dimension	

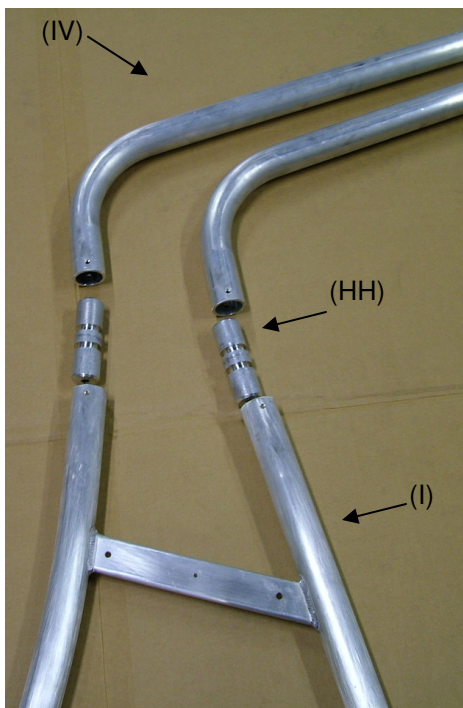
### Diagram 1



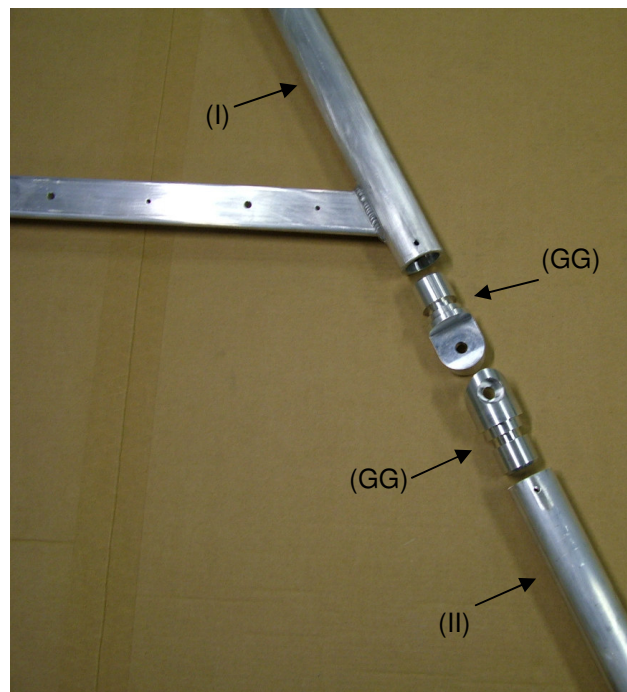
**Diagram 2**



**Diagram 3**



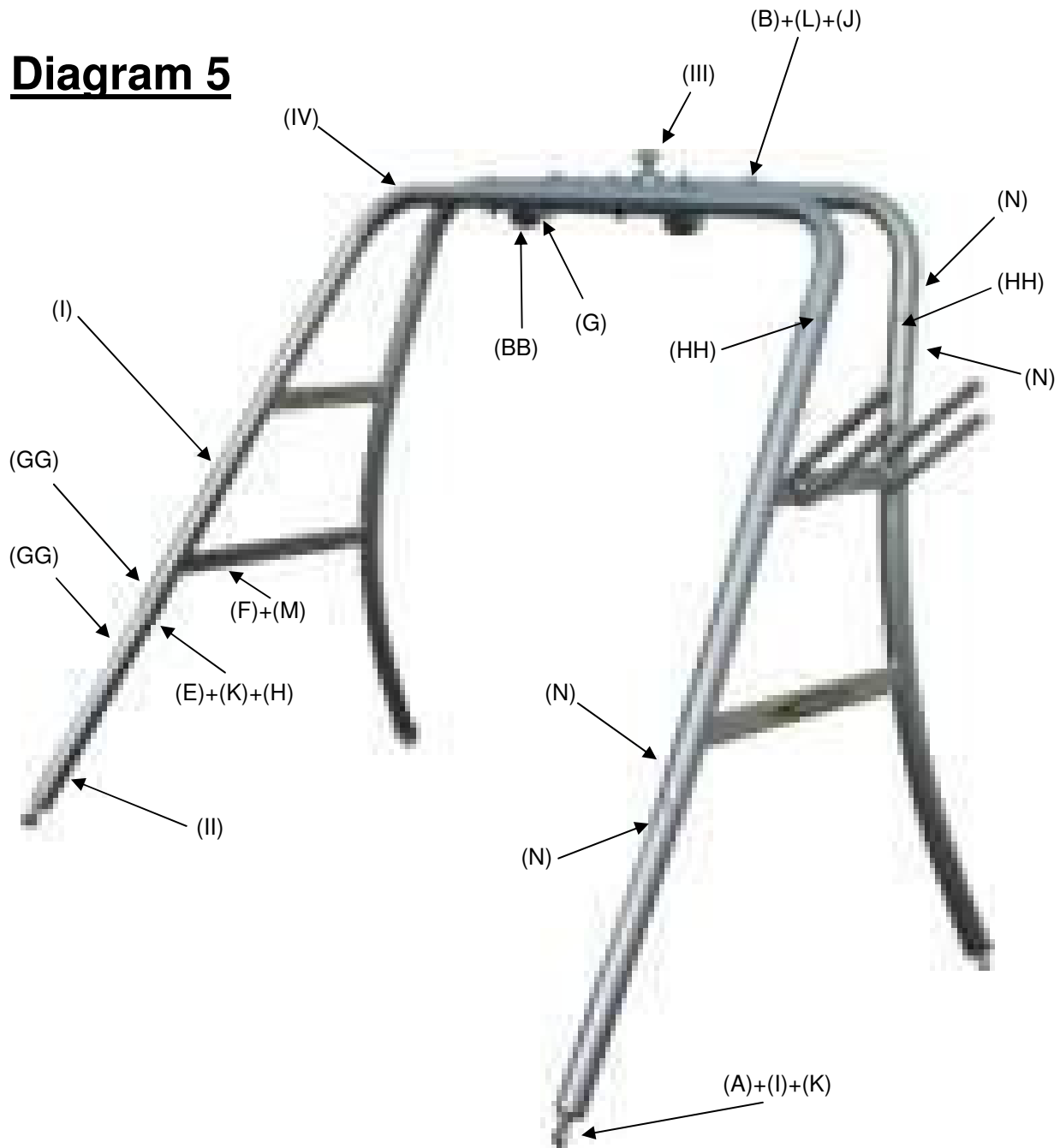
**Diagram 4**



## **Installation Steps**

1. Rough fit the tower together. Refer to **Diagram 5** . **Diagram 3 & Diagram 4** are close up photos of how the fittings are installed. Don't drill the top bent bars as we will perform this in a later step. Don't tighten the jam nuts on the heim joints as we will perform this in a later step. Tighten all set screws just so the fitting cannot be pulled out making sure they can still rotate. We will tighten these later.
2. Now it's time to locate a good spot for the mounting feet. Remember you will need access from the inside of the boat for the backing plates and to tighten the nuts, so place the mounting feet where they don't interfere with interior objects.
3. We recommend the front and rear mounting feet are in-line with one another so the top of the tower stays level. We also recommend the lower front legs are in-line with the side frames.
4. Once you find an acceptable place for the mounting feet tape off the general area with masking tape. Transfer the drill pattern on the tape and drill 1/4" pilot holes. After all the pilot holes are drilled, enlarge them with a 13/32" bit then countersink them.
5. Lay a bead of marine grade silicone around the holes and securely fasten all the mounting feet to your boats fiberglass. Make sure the tall section of the L-Shape foot is facing towards the bow (front) of the boat and the other end towards the stern (rear). This will allow the tower to be collapsed. Refer to **Diagram 2**.
6. Next its time to fit the tower to the mounting feet. Measure the width of the rough fit tower from the inside to inside of the heim joint bearings on both the front and back legs. Refer to **Diagram 1**. Record these measurements on the chart located on page 3 of the instruction packet.
7. Now measure the width of the outside to outside on the U-Shape mounting feet for both the front and back mounts. Record your measurements on the chart on page 3 of the instruction packet. Use the following example to figure out how much to cut off the top bent bars. In most cases you will cut different amounts off the front and back top bent bars. Contact Extreme Marine if the difference you need to cut off from the front to back bent bars exceeds 5".  
  
**Example: If your "A" dimension is 100" & your front foot dimension is 80".**  
 **$100 - 80 = 20$  Now you would divide 20 by 2 since you are cutting both the right and left top bent bars to keep the tow knob centered.**  
 **$20 \div 2 = 10$  Now you would cut off 10" from the front top bent bars.**
8. Mark the top bent bars to cut the correct amount you figured in the last step. The cuts can either be performed with a sawzall, chop saw, or hacksaw. Make sure the tool you use is outfitted with a metal cutting blade.
9. After the cuts are made, assemble the tower back together. Center the correct top bent bars inside the cage assembly. Use the provided drill bushing and drill 1/4" holes into the top bent bars. If installing the lights drill a 1/4" hole on both sides of the cage assembly into the back bent bars. Once all the pilot holes are drilled, remove the bars from the cage assembly and enlarge all holes to 7/16". Supplied grommets can be inserted into the holes drilled for the lights. Before bolting the tower together it is a good time to run any wires for accessories such as lights or speakers.
10. Bolt the tower back together referring to **Diagram 5**. After this is completed simply raise the tower frame up to the boat and tightly secure it to the mounting feet. This step will take a few extra hands. Once the tower is attached, make sure it is centered between the mounts. Finally tighten all the set screws and jam nuts. Make sure all the hardware is tight before, during, and after each use. Congratulations your install is complete, enjoy your new Tsunami wakeboard tower.

## **Diagram 5**



**We love to see customer installs and it helps others get an idea of how the tower will look if they have the same boat. If you send us photos you will be entered in a randomly picked drawing to win free gear.**

**Please send photos to the below email for your chance to win  
[info@xmpinc.com](mailto:info@xmpinc.com)**