

# Barewest – Prozone Collapsible (T4) Installation Instructions

## **NOTICE:**

**Barewest is not responsible for the installation of this tower on your boat. Boat owner and or users of this Barewest product assume full responsibility for the installation of this product.**

### **Step 1:**

Remove all tower parts from the box, & check parts list to assure all parts are included.

**Use ONLY parts supplied by Barewest to install this tower. Using incorrect parts will VOID the warranty and may cause tower failure, damage to boat, serious injury, or possible death.**

### **Step 2:**

Carefully evaluate your boat for the desirable location of the tower. Most wakeboard towers are installed over the windshield area of the boat.

### **Step 3:**

With a pencil and a tape measure, roughly locate front and rear mounting point's approximately 38" apart starting from the front area to the rear of the windshield, on the side of the boat approx. 3-5" up from the rub rail. Preassemble your tower, sliding the legs into the top section. With a helper carefully lift the tower over the windshield area and position in place. When you are satisfied with the location you have chosen, use the pencil to mark the front and rear mounting points.

### **Step 4:**

Now climb inside your boat and check to see if your pencil marks are in an area that is relatively easy to access from the inside. Use a flashlight to carefully feel inside to be sure the mounting positions you choose are free of obstacles such as wiring, ect. You might have to adjust your mounting position forward or back, to avoid mounting difficulties.

### **Step 5:**

Install the rear mounting brackets. Have a helper hold a shop vac to vacuum the fiberglass residue as you drill. Carefully position the base of the mounting bracket against the side of the boat at the rear pencil mark. Hold the mounting bracket parallel to the rub rail, with a 3/8" drill bit drill one of the two 3/8" holes using the mounting bracket as a template. After drilling the first hole, remove the bracket and debar the hole with a 5/8" countersink drill bit. Set the bracket back in place and insert one 3/8" x 2" flat head bolt through the bracket and the boat. Now very

carefully align the mounting bracket parallel to the rub rail. Drill the second hold through boat, again using the bracket for a template. Rotate the mounting bracket one quarter turn and debar with the countersink drill bit. Insert 3/8" x 2" flathead bolt through the bracket on the boat. Repeat this step with the opposite side of the boat.

#### **Step 6:**

Now that you have the rear mounting brackets placed on the boat, get inside the boat taking with you all 4 aluminum backing plates and 8 – 3/8" lock nuts. For extra support we would suggest a slightly larger plywood backing panel be used in addition to the aluminum backing plates provided. Slide the plywood over the exposed bolts then slip the aluminum backing plate over the bolts and spin on the lock nuts. Have a helper tighten the bolts from the outside with an Allen wrench. These bolts should be very snug but **only hand tightened. Do not use power tools or any other devices to tighten the bolts.** Next bolt on the vertical aluminum tabs to the mounting brackets with the 1/2"x 3" hex head bolt. Tighten this bolt until tab is vertical and will stand upright on its own.

#### **Step 7:**

Carefully measure the width from driver side rear tab to passenger side rear tab. With a helper, take each the driver side tower leg and passenger side tower leg and slide into the top section. Slide legs into top section, until you reach the desired width. Place the tower on a flat surface (driveway, garage floor), and have your helper stabilize the tower. With a 3/8" drill bit, drill through the predrilled holes in the top section through the legs. When holes are drilled, take the legs out of the top section and clean out all aluminum chips. Reinsert legs back into the top and bolt together with 8 - 3/8" x 3" bolts. Be sure to use washers on both sides of the top section, this will help to protect your powder coat. The smooth bolt head should be facing the outside of the top section. Tighten all 8 bolts firmly by hand. Next, with your helper hoist the assembled tower up onto the boat. Slide the 3/8" x 2" socket head bolts through the foot of the tower, slide on the nylon washer, slide the bolt through the tab of the mounting bracket, slide on the 3/8" stainless steel washer, and spin on the 3/8" nyloc nut. Hold the nyloc nut with a 9/16" wrench and turn with an Allen wrench from the outside. Be sure nyloc nut is snug by hand on either side of your boat.

#### **Step 8:**

Holding front side of the tower, slip the 3/8" socket head bolt through the foot of the tower and onto mounting bracket #3. Placing the tower at an even height front and back. Mark the mounting bracket holes using a pencil. Drill out the first hole and insert 3/8" x 2" flathead bolt. Align mounting bracket parallel to the rub rail, and drill out the 2<sup>nd</sup> hole using the bracket as a template. Debur both holes with a countersink drill bit. Insert both 3/8" x 2" flathead bolts through the bracket and into the boat. Repeat this step on the opposite side of boat.

#### **Step 9:**

Now that the front brackets are in place, get inside the boat. For extra support we suggest adding a plywood backing piece in addition to the aluminum backing provided. Slide the plywood backing on first over the exposed bolts, then slide on the aluminum backing plate and spin on the lock nut. Have a helper tighten the bolts from the outside, with an Allen wrench. Tighten these bolts by hand, and only until snug. Do not use power tools or any other devices to tighten the bolts. Next, bolt on the vertical aluminum tabs to the mounting brackets with ½" x 3" hex head bolts. Tighten this bolt until tab is vertical and will stand upright on its own. Bolt the tower to the mounting bracket with the 3/8" x 2" socket head bolts. Slip the bolts through the foot of the tower then slip the nylon washer, slide the bolt through the tab of the mounting bracket. Put on the 3/8" stainless steel washer over the bolt and spin on the nyloc nut. Hold a 9/16" wrench and turn with an Allen wrench from the outside. Tighten this nut very snug on both sides of the boat.

Now your tower installation is complete!

**Go around your boat to check to make sure all nuts and bolts are tight. Check the nuts, bolts, and fasteners frequently to be sure tower is secured properly to your boat. Try a few test pulls with a rope fastened to the top of the tower to make sure the tower is secure before use. Carefully read the warning label placed on your tower before used to ensure safety. If there are any questions or concerns regarding the installation of this tower, contact your local dealer or Barewest.**

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