

INSTALLATION INSTRUCTIONS  
**BAREWEST MINI TOWER**  
READ COMPLETE INSTRUCTIONS BEFORE MOUNTING

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1. Take a careful look at your boat's gunwale (deck) surface where you anticipate installing the tower. Look and feel under side of gunwale to be sure you do not have wiring or cable in the way when you bolt on the backing plate. Check both sides of your boat when doing this.
2. Attach both tower mounting brackets to bottom of tower with the 3/8" socket head bolts (included).
3. Loosely assemble the tower holding together with masking tape if necessary. With a helper, set the tower on the boat where it will be mounted. Using a pencil, mark through the two mounting bracket holes onto boat deck where you are going to drill. Do the same on the other side of the boat. Use a tape measure to be sure tower is even on both sides. We suggest taking a measurement from more than one spot to insure accuracy.
4. Move tower out of the way either by laying back, or removing from the boat. Drill holes slowly and carefully, when done, use a countersink drill bit to level holes back. This will help, but not necessarily prevent gel coat cracks from occurring.
5. Cut a piece of 5 or 7 ply plywood, as large as possible, to fit in the area under the fiberglass or gel coat. This will help to strengthen and to keep the bolts from slipping out. Glue the plywood in place using plenty of glue.
6. Set tower back on boat and in place. Drop four 5/16" flat head bolts through the holes in mounting brackets. From underside, slip backing plates over exposed bolts. Only do this after plywood is in place! From underside spin on the 5/16" lock nuts and hold in place with 1/2 box end wrench, while turning from the top with an allen wrench until firm tight. Check lock nuts after every few use, to insure tightness.
7. Install front braces next. Slip 5' slotted brace pole over tab located on the top of tower, then insert 16" brace pole into the open end of brace tube approx. 6". Do the same on opposite side and temporarily tape in place with masking tape. Locate a safe strong location for the 5/8" deck clevis bolts to be mounted toward the front of the boat, either outside or just in front of the windshield. Carefully mark this location with a pencil and do the same on the other side. Using a small drill bit, approx. 1/4" to 3/8", drill through marked areas. Next, change to a 5/8" drill bit and drill through holes.  
**You must follow step #5 before this is complete!**
8. Using a 5/8" clevis bolt, slip stainless steel washer over end of bolt and push through hole in boat.
9. From underside, slip large galvanized washer over threads of 5/8" bolt, followed by the lock washer, and then the 5/8" nut. Tighten securely (it helps to turn from top with a crescent wrench and hold nut in place on bottom with box wrench). Using crescent wrench from topside, turn until it aligns with the tower brace poles.
10. Slip tower brace poles over front deck clevis bolts and pin in place with 1/4" clevis pins.
11. Step back from boat and look to see where you like the tower positioned. It can be a few inches forward or back of center, depending on where you prefer it.
12. Mark location of the holes through the end of the tube into short front brace poles and drill 5/16" hole. Next, insert stainless steel bolt through brace with washer on either side and secure in place with lock nuts, repeat on other side.
13. Last step, Measure boat from side to side from rear mounting bracket on one side across to the rear mounting bracket on the other side. When sliding left and right leg of tower into the center section, measure to ensure top will be mounted straight (pylon top in the center facing straight upward). Drill through the pre-drilled holes in 2 3/8" pipe. Slide 4 -3/8" bolts through the drilled out holes from back to front of tower top, with a washer on either side and secure with the lock nut using a 9/16" wrench.
14. Installation is now complete. Tie ski rope to the top and give a few test pulls before each use. Be sure to check all connections for tightness, and gel coat for possible cracks.

**Safety Tips:**

Obey all rules on the warning label at all times.

Keep all passengers away from ski rope, keeping an eye on the rope overhead at all times.

If and when mounting wakeboards/kneeboards/ski's to your tower, do not block your field of vision.

Be cautious, and have fun!