

# THE TOWER BOOM INSTALLATION INSTRUCTIONS



FIGURE 1.

## **⚠ WARNING**

**FAILURE TO ADHERE TO ALL WARNINGS COULD CAUSE DAMAGE TO EQUIPMENT OR VEHICLE, PERSONAL INJURY OR EVEN DEATH.**

- **BE AWARE** of your surroundings and always stay clear of bridges, docks and any other obstacles
- **DO NOT** use the boom without the cables attached to the bow of the boat
- **DO NOT** tow the boat with the tower boom installed
- **DO NOT** use to pull tubes, kites, para sailors or stranded boats
- **BE SURE** to check all hardware, clamps and cables for wear and proper installation prior to each use

## **⚠ WARNING**

The use of this product involves inherent risks of injury or death. To reduce these risks the individual must always stay within their limits and at speeds that do not exceed their level of skill. This product is a training aid for all types of skiing and should only be used for that purpose. Do not hang off the boom when the boat is in motion unless the intent is to ski. The driver of the boat should always focus their attention on the surroundings, not the skier.

1. Read through all directions and warnings completely before installing this product.

**NOTE:** If your tower is smaller in diameter, use the supplied bushings with the clamp (**FIGURE 3**). This applies to all clamps. If the bushings don't fit perfectly flush, please contact us.

**NOTE:** On boats with a single bar tower such as the 2007 MasterCraft line, the Tower Boom will install differently. If your tower has a single bar tower design, perform step **2A**.

2. **BOOM CLAMP ASSEMBLY** Attach the boom clamp to the rear tower leg. Position it on a straight portion of the tower as close to the base as possible. Don't tighten the bolts completely. (**FIGURES 1 & 3**).
  - 2a. Attach the boom clamp to the front tower leg. Position it as close to the base as possible. Don't tighten the bolts completely. (**FIGURES 2 & 3**)
  3. There are two types of clamps for the support braces (**FIGURE 4**). Attach a hitch pin clamp 2-3 feet above the boom clamp. Don't tighten the bolts completely because you will need to adjust the clamp.

**NOTE:** On boats with a single bar tower design, perform step 4a.
  4. Attach the other hitch pin clamp to the front tower leg 2-3 feet above the boat's gunnel. Don't completely tighten the bolts. (**FIGURE 1**).
  - 4a. Attach the other hitch pin clamp 1 foot above the first hitch pin clamp on the same tower leg (**FIGURE 2**). Don't completely tighten the bolts.
  5. Attach the remaining two clamps to the inside section of the boom. Don't tighten them completely.
  6. Pin both braces to the clamps on the tower using the hitch pins.





FIGURE 2.



FIGURE 3.



FIGURE 4.



FIGURE 5.

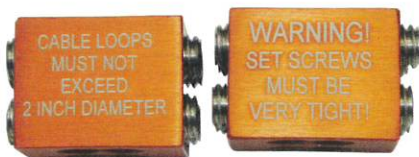


FIGURE 6.

7. Use the quick release pin to attach the inside section of the boom to the boom clamp. Be sure the ball on the quick release pin is all the way through the clamp.
8. Bolt the braces to the clamps on the boom. You may have to adjust the length of the brace so it will reach. To adjust the length of a brace, simply turn the inside section of the brace.

**NOTE:** For the next step, the boom should be chest high of an average height skier. If adjustments are needed while skiing, moving people in the boat will shift the weight and raise or lower the boom.

9. Now you must adjust everything while someone holds the boom in position. The boom must be angled slightly forward and up. The braces must be between 3-5 feet in length and have a minimum angle of 30° above horizontal.

**NOTE:** Tower adjustments may vary depending on tower's height, position, and location on boat.

10. After everything is set to the correct position, tighten the hardware on all clamps. Start with the main boom clamp, then the clamps on the tower, and finally the clamps on the boom. Tighten the bolts firmly.

**NOTE:** For the next step, if you own a MasterCraft with the pickle-fork bow design you will attach the carabineer to the boat's deck clevis. (FIGURE 5)

11. Slide the outside boom section into the inside boom section until the push pin snaps entirely into the hole. Hook the carabineer on the cables to the boat's trailer under-bow eye hook.

**NOTE:** For the next step, the cables must have no slack hanging down. If they are too loose the Tower Boom will put too much stress on the tower when in use.

12. Pull any slack out of the cables until they are snug. Make sure the cable loop at the end is approximately 1½" - 2" in diameter. Tighten all 8 set screws on the cable clamp with provided allen wrench (FIGURE 6). Be sure you tighten them until they are extremely tight.
13. Slide the cable pad over the cables and connect loop strap through the carabineer. Tuck any excess cable back into the cable pad.

### TO STOW THE TOWER BOOM

- (1) Disconnect the cables from the boat.
- (2) Telescope the outside boom section into the inside section.
- (3) Pull the pins from the braces and raise the boom.
- (4) Pull the quick release pin from the boom clamp.
- (5) Remove the boom until its next use.

**WE RECOMMEND THAT YOU KEEP A SMALL TUBE OF CLEAR SILICONE GREASE IN THE BOAT AND OCCASIONALLY APPLY A LIGHT COAT TO THE PINS. THIS WILL HELP KEEP THEM IN GOOD WORKING CONDITION AND EASE THEIR INSTALLATION AND REMOVAL.**



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