



TOWER ASSEMBLY INSTRUCTIONS

****Assembly Requires a minimum of two Persons****

PARTS LIST

2 - CURVED LEGS LONG
2 - CURVED LEGS SHORT
1 - STRAIGHT TOW BAR
6 - THREADED FEET
2 - TOWER ADAPTER MOUNTS
4 - RUBBER PADS
4 - 3/4" X 6" X 2-1/2" PLYWOOD PLATES
4 - 1/8" X 6" X 2-1/2" ALUMINUM PLATE
6 - 1" X 1-1/2" O.D. HEX NUT (JAMB NUTS)
8 - 5/16" HEX NUT
4 - 10MM PANHEAD BOLTS
4 - 10MM BLIND RIVET NUT

2 - LARGE MOUNTING EGGS
2 - SMALL MOUNTING EGGS
6 - MOUNTING CLEVIS
2 - 3/8" X 2-1/4" QUICK RELEASE PINS
4 - 3/8" X 1-3/4" SHOULDER BOLT
4 - 3/8" NYLON HEX NUT (NYLOCK)
2 - 1/2" X 1" HEX BOLT
2 - 1/2" X 1/8" O.D. FLAT WASHER
4 - 1" X 1-1/2" O.D. TEFLON WASHER
8 - 5/16" X 3" PANHEAD BOLTS
2 - 1/2" LOCK WASHER
8 - FENDER WASHERS
8 - LOCK WASHERS

TOOLS REQUIRED

ELECTRIC DRILL
3/8" DRIVE RATCHET
3/4" SOCKET
1/2" SOCKET
5/16" HEX WRENCH
3/16" HEX WRENCH
1/2" DRILL BIT
5/16" DRILL BIT
25/64" DRILL BIT
33/64" DRILL BIT
HB PENCIL
MASKING TAPE

NOTES

- A. LARGE MOUNTING EGGS ARE PRE ASSEMBLED AND INCLUDE: 2 - CLEVIS MOUNTS, 2-RUBBER PADS, 4-TEFLON WASHERS, 2-1/2"x1/8" O.D. FENDER WASHERS, 2 - 1/2"x1" HEX BOLT
B. ADAPTER MOUNTS ARE PRE ASSEMBLED ON YOUR TOWER WITH TWO CORRESPONDING CLEVIS MOUNTS
C. ALL MOUNTING EGGS ARE PRE ASSEMBLED WITH TWO RUBBER PADS

IMPORTANT: IT IS ALWAYS ADVISEABLE TO CONSULT A PROFESSIONAL BEFORE ATTEMPTING TO INSTALL YOUR TOWER. MOST BOAT DEALERS AND SHIPWRIGHTS IN THE USA AND CANADA WILL PERFORM INSTALLS FOR YOUR TOWER. CHECK YOUR LOCAL DIRECTORY FOR A DEALER IN YOUR AREA.

ASSEMBLY

1. Slide large curved legs into straight tow bar.
2. Attach small curved legs to clevis mounts on the large curved legs. Use 2 - 3/8"x1-3/4" shoulder bolts.
3. Measure the width of the boat where the tower will be mounted. You will want the legs to straddle the windshield.
4. Dry fit the tower to your boat. Move the large curved legs outward for a wider stance. Move the large curved legs inward for a narrower stance. It may be necessary to trim the top portion of the large bent legs to accommodate very narrow boat widths. ALWAYS PUT MOUNTING HARDWARE ON THE FLATTEST AREA POSSIBLE.
5. IMPORTANT: DO NOT DRILL PILOT HOLES INTO STRAIGHT TOW BAR YET!
6. Once the desired width is established, dry fit the tower so that the distance from the front leg to the back leg is between 48" - 50".
7. With the tower dry fitted to the boat, mark all eight of the 5/16" mounting holes on the mounting eggs.
8. The pre assembled large mounting egg has a rotating clevis. This clevis is the pivot point for your folding tower. Mount the feet which you intend to use as the folding pivot on this clevis. It is preferable to have the pivot point on the rear legs.
9. IMPORTANT: Once the eight 5/16" mounting holes are marked check under the deck to ensure that you will not be drilling through any wires or controls.
10. Place masking tape over the area to be drilled. Use a sharp drill bit to drill the 5/16" mounting holes. For ease of drilling start with a smaller drill bit and work your way to 5/16". Repeat this step for all four mounts (eight holes in total).
11. Mark and drill the wood and aluminum backing plates. The wood is sandwiched between the deck and the aluminum plates.
12. Run the 5/16" panhead bolts through the mounting egg and wood/aluminum backing plates. Tighten with hex nuts, fender washers and lock washers. Repeat for all mounts.
13. Tighten all mounts.
14. Place the clevis into the non articulating mount (small mounting egg) and mark hole for drilling. Drill 1/2" hole. Use the 1/2" hex bolts for the middle of the non articulating mounting egg. Tighten from the back.
15. Attach tower to the four mounts using the 3/8" shoulder bolts and 3/8" quick release pins.
16. Make sure tow post on the tow bar is aligned vertically and drill through the pilot holes on the TOP of the bar. For ease of drilling start with a smaller drill and work up to 25/64" drill bit. Top holes in the bar are drilled to 25/64" for the panhead bolts.
17. When top holes are drilled, drill the bottom holes of the tow bar with 33/64" for the blind rivet nuts.
18. When holes are drilled put in 10mm panhead bolts through the top of the tow bar and fasten them to the blind rivet nuts at the bottom of the tow post.
19. Tighten all bolts.

IMPORTANT: ALWAYS USE EYE, EAR AND HAND PROTECTION BEFORE DRILLING OR CUTTING MATERIALS.

IMPORTANT: IF YOU ARE MISSING ANY PARTS CONTACT THE MANUFACTURER AT 1-877-465-4410 OR info@ichorintelligence.com