

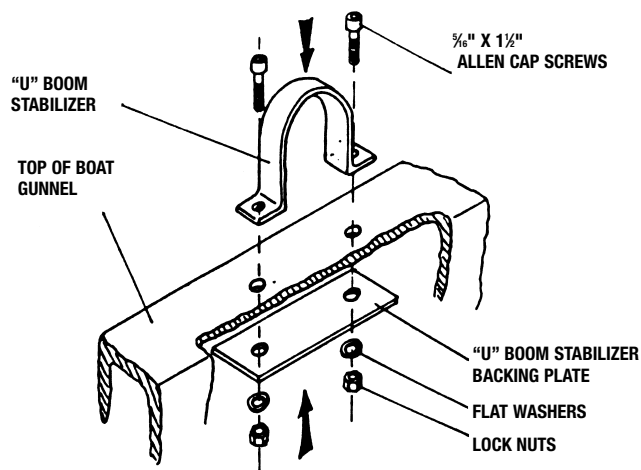
# B.I. Gunnel Mount Boom



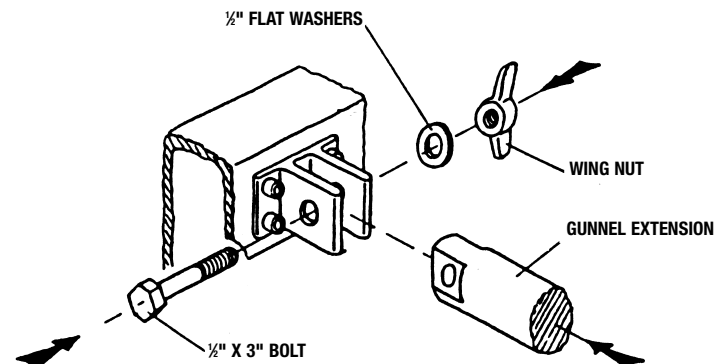
STEP 3: Before marking and drilling any holes, be sure to check for obstructions (i.e. steering cables, gas tanks, etc.)

STEP 4: Mark and drill all four holes with drill size to allow  $\frac{5}{16}$ " bolts to pass through (do not make holes too big, as it may weaken this area).

STEP 5: Place clamp over holes and insert  $\frac{5}{16}$ " x  $1\frac{1}{2}$ " allen cap screws through clamp and side gunnel. Place clamp backing plate over screws in back of side gunnel and then place flat washers and lock nuts on bolts. Tighten very snug as these must remain stationary.



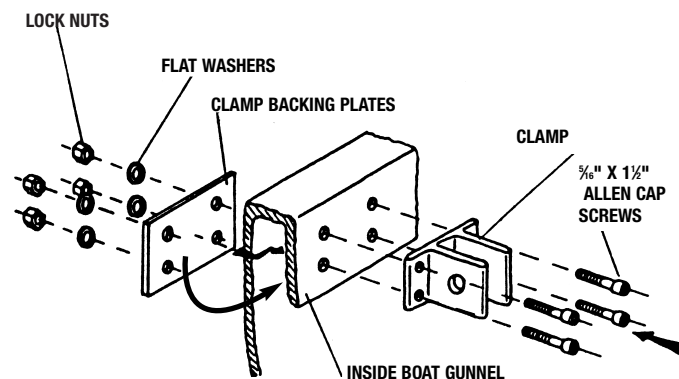
STEP 6: Straight across on opposite gunnel, take U boom stabilizer and lay it on top of gunnel. Again, check for any obstructions before marking and drilling holes. If area is free of obstructions, mark holes and drill both clearance holes for  $\frac{5}{16}$ " diameter bolts. Place both  $\frac{5}{16}$ " x  $1\frac{1}{2}$ " bolts through U boom stabilizer and gunnel. Place the U boom stabilizer backing plate over both bolts, put flat washers on and tighten lock nuts very tightly as this will also remain on boat permanently.



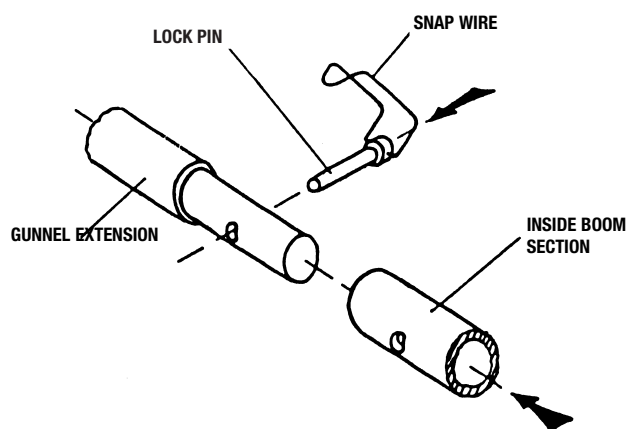
STEP 7: Take gunnel extension piece and place flat end with  $\frac{1}{2}$ " hole into clamp. Put  $\frac{1}{2}$ " x 3" bolt with  $\frac{1}{2}$ " flat washers through clamp and gunnel extension and tighten wing nut to secure this piece. *Make sure wing nut is always secure during use.*

## Assembly Instructions

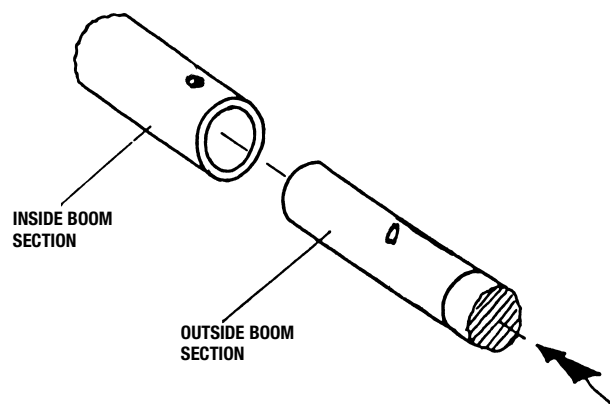
STEP 1: Look over layout of boat and decide best spot for position of beam of boom. (For best results, as close to middle of boat as possible is recommended, but it needs to be far enough forward so person skiing on the end of the boom is out of the spray from the boat.)



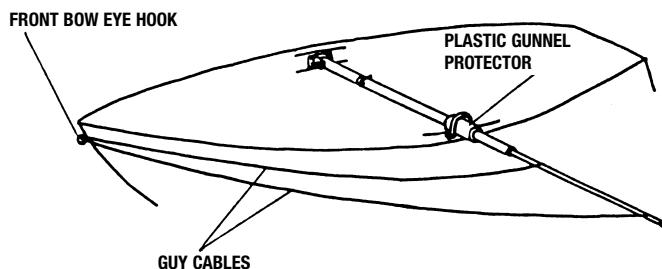
STEP 2: Take clamp and position it inside gunnel so the end of the boom will be about chest high for an average height skier. It is okay to angle the boom up to do this. Just make sure the gunnel is strong where you put the clamp.



STEP 8: Take inside boom section and feed it through U boom stabilizer across boat until end of this section fits over end of gunnel extension piece. Place the lock pin through both holes in these sections. Be sure to snap wire over lock pin to assure it stays in position (adjust plastic gunnel protector so it rests properly on gunnel).

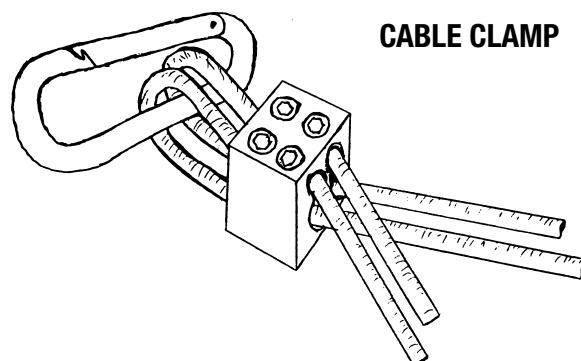


STEP 9: Take outside boom section with cables and slide into end of inside boom section until pin snaps into pin hole.



STEP 10: Run guy cables to front bow eye hook. Be sure these

cables are snug. Boom should be bowed forward a little pressing on front of U boom stabilizer to be at an adequate snugness.



STEP 11: Hook snap hook at end of cable to your boat's front bow eye. As in illustration, adjust the cables in the cable clamp so both cables are snug. Be sure cables both fit snugly and adjust cables so loops are approximately 1½" – 2" diameter at ends of cable. Take allen wrench and tighten allen set screws securely. (Rotate tightening from one side to the other until all set screws are extremely snug.) After desired cable tension is obtained, both cables are adjusted properly, and set screws in cable clamps are snug, slide cable protector over excess cable and cables up to bow eye hook. Put nylon strap onto hook with cable loops on (do not cut excess cable).

STEP 12: Warning: Double check that all 8 allen screws on cable clamp are very tight.

## ***Disassembly & Reassembly***

After these steps are accomplished, boom can be taken on and off boat in minutes. Just unhook cables from bow eye, slide two main boom sections apart, pull pin and remove inside boom section, and finally, remove 3" bolt with wing nut to remove gunnel extension piece.

## ***Checklist Before Every Use***

Be sure cables are always adjusted properly and taut. Make sure all set screws, bolts and wing nuts are very tightly secured.