

Insane Gen III Hydro Set Up Instructions

Important Dimensions:

- The engine placement is 27 3/4" from the transom to the center of the sparkplug.
- The servo mounting bracket is to be mounted on the carburetor side of the radio box on the inside wall of the box. There is a wood reinforced backing plate the bracket screws into on the outside of the box.
- 14 or 16 oz. rectangle Sullivan fuel tank is placed in front of the engine.
- The tail weight of the boat should be approximately 1 1/2 lbs.
- Add 12oz. of weight in the left sponson.
- The weight added to the sponson, should be as far left in the sponson as possible. DO NOT PUT WEIGHT IN THE NOSE OF THE SPONSON. The weight should be directly across from the starter cup of the motor.
- The total overall weight of the "complete" boat should be between 17 to 18 lbs. for best results.

Hardware Installation:

- Start installation with strut on center of transom.
- Placement of the rudder is on the right of the transom.
- Butt the rudder bracket to the right side of the strut bracket.
- The leading edge of the rudder is 2 1/2" off center of the prop shaft.
- The turn fin is installed on the leading edge of the right sponson. The bottom of the mounting bracket should be parallel with the bottom of the hull because the bottom of the sponsons are at an angle. The bend in the turn fin is 20 degrees, measuring from the bottom of the boat.
- While adjusting the turn fin, when you move it forward, the boat will track left. Moving it backward, the boat will track right. Once you find the sweetspot, the boat will track strait down the course.
- The prop should be NO LESS than 2 3/4" of the back of the transom.

Suggested Props:

- Propworks 6719 HX3 -3 blade by Bob Austin. PropWorksBob@aol.com (Insane preferred for racing)

Cowl Installation:

- Install tab in front of cowl. Cut a slot in the rear of the nose cone at the top to accommodate tab on front of cowl.
- On the back part of the cowl install cowl locks or wood blocks with Velcro to secure the cowl.
- Cut air vent on pipe side, and cut out scoop on carb side to allow fresh air to enter.

Strut Adjustment:

- Use a flat board or flat surface to set strut. Start with the strut at 1 1/4" from the bottom of the boat to the bottom of the strut. Add 1/2 degree of negative to the strut. Looking at the strut assembly from the side while on the setup board, you should see about the thickness of a business card worth of light under the front portion of the struts bottom.
- To tighten the boat up, lower the strut. To loosen the boat, raise the strut higher. Raising the strut will make the boat faster, but less stable in rough water. Always maintain 1/2 degree of negative at any strut depth especially when racing. This helps keep the boat on the water when jockeying for position and overtaking other boats.