

## *44" Insane Sport Hydro Setup/Install Instructions*

### **Important Dimensions**

- The engine placement is 27 1/4" from transom to the center of the spark plug
- The radio box is placed in the back section of the cock pit {see diagram}
- 10 ounce Sullivan fuel tank is placed in front of the engine
- The tail weight of the boat should be approximately 1 1/2 lbs.
- Add 16 ounces of weight in the front **left** sponson {see diagram}
- 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 cap of the motor
- The total overall weight of the "complete" boat should be between 15-17 lbs. for best results

### **Hardware Installation**

- Start installation with strut on center of transom
- Placement of the rudder is to the left side of the transom
- butt rudder bracket to the left 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 at the leading edge of the right sponson. The mounting bracket should be parallel with the bottom of the hull because the sponsons are at an angle. The turn fin is bent at 20 degrees.
- While adjusting the turn fin, when you move it forward the boat will track left. When you move the turn fin backward the boat will track right. Once you find the sweet spot, the boat will track straight down the course.
- Install a gusset on the left stringer inside the back hatch to stabilize the steering arm {see diagram}
- The prop should be **NO less** than 2 3/4" off the back of the hull

### **Suggested Props**

- 6717 3 blade modified by Bob Austin w/Prop Works (*Insane preferred for racing*)  
**PropWorksBob@aol.com**
- 6518 3 blade
- 6516 3 blade {recommended for 2000' or above altitude}

### **Cowl Installation**

- Mount the plastic nose bracket on the front part of the nose of the hull by using wood screw because there is a wood plate under the fiber glass
- Install the dowel in the wood plate located on the inside nose cone of the cowl
- On the back part of cowl install cowl locks or wood blocks with Velcro to secure the cowl
- Cut out air vents in cowl as needed {see page 5 of the photo gallery on the website for an example} **www.insaneboats.com**

### **Strut Adjustments**

- Use a **FLAT BOARD** or surface when making adjustments to the strut. The bottom of the strut **MUST** be flat at all times.
- *The lower you move the strut the tighter the boat runs. When you raise the strut, the boat runs loose.* With either adjustment, the bottom of the strut **MUST** be flat at all times while making adjustments.

# 44" Insane Sport Hydro Diagram

