

Insane 40" Catamaran Set Up Instructions

Placement of Motor:

The motor from the spark plug to the back of the transom is 12 ½ to 13 inches.

Hardware recommended:

I use J&G Hardware. Some other guys that have bought the cat have used Speedmaster.

{Email : JandGRacing@aol.com}

Rudder:

The rudder goes on the left side.

Motor Mount:

I have custom motor mounts available upon request.

Marine Specialties motor mount also works well in the catamaran.

Gas Tank:

Placement of gas tank is in front of the engine.

Props:

70/16 2 blade

470 3 blade

65/16 3 blade modified from Bob Austin {Email : PropWorksBob@aol.com}

****In any hardware installation, the prop should be no more than 3 inches away from the transom.**

Note: In different race situations don't be afraid to add weight to the boat. I would recommend anywhere from a pound to a pound and half on the center of gravity.

Mike Hoffmeister's Detail Insane Cat Setup:

Here is a summary of my Insane Cat setup:

- 1) Hull: Insane Cat, 39.5" long
- 2) Weight / CG Location, as-built: Total weight with hatch 14.8 lbs (no fuel). CG 12 3/8 inches fwd of transom (31.3% of length)
- 3) Weight / CG Location, after adding weight (this is the way I race the boat): Total weight 16.2 lbs (no fuel). CG 13 1/4 inches fwd of transom (33.5% of length). The extra weight was added as follows. 12 oz. lead balls wrapped in a wad of towel and tape, fit under the starter cup of the G260PUM engine. The location of the weight was approximately 16 1/2 inches forward of the transom. I also added a 10 oz. ballast tank (fuel tank with water in it) forward of the fuel tank. The center of the ballast tank is 26 1/2 inches forward of the transom. For reference, the distance from the transom to the center of the spark plug is 12 inches.
- 4) The strut is a combination of a Speedmaster bracket and the short stainless-steel Octura strut, with skeg. The distance from the transom to the front face of the propeller hub is 2 1/2 inches. The bottom of the strut height is 0.200" above the bottom of the sponson pads. The strut is on a 1 degree angle relative to a flat surface which the boat sits on (strut is kicked-in, in the direction that lowers the bow).
- 5) The propeller is a Propshop 7016 2-blade, which has been sharpened, balanced, had the tips rounded, and the outer portion of the blades up to and around the tip spoon-shaped slightly to reduce lift. The prop was done by Bob Austin at Propworks.
- 6) The rudder is a Speedmaster unit, with the long gas bracket and the largest tapered blade (not the dual pickup one). The centerline of the blade is offset 2 1/2 inches to the left of the hull centerline. The leading edge of the rudder blade is perpendicular to the water line (I.E. straight up and down, not leaned forward or backward). The leading edge of the rudder blade is 3 3/4 inches aft of the transom. The blade was cut so that it is 3 inches below the bottom of the sponson pads.
- 7) Engine is an M&D modified Zenoah G260PUM. Tuned pipe is an M&D muffled steel pipe.