

Some american Ideas

Building Hints and Suggestions For Your Victor Soling 1 Meter

- .. The next step is to install the keel box (that little U shaped thing you epoxied together earlier) in such a way that when you install the keel it will be aligned vertically. I made the simple T shaped jig shown in Figure 8 and it's worked every time.

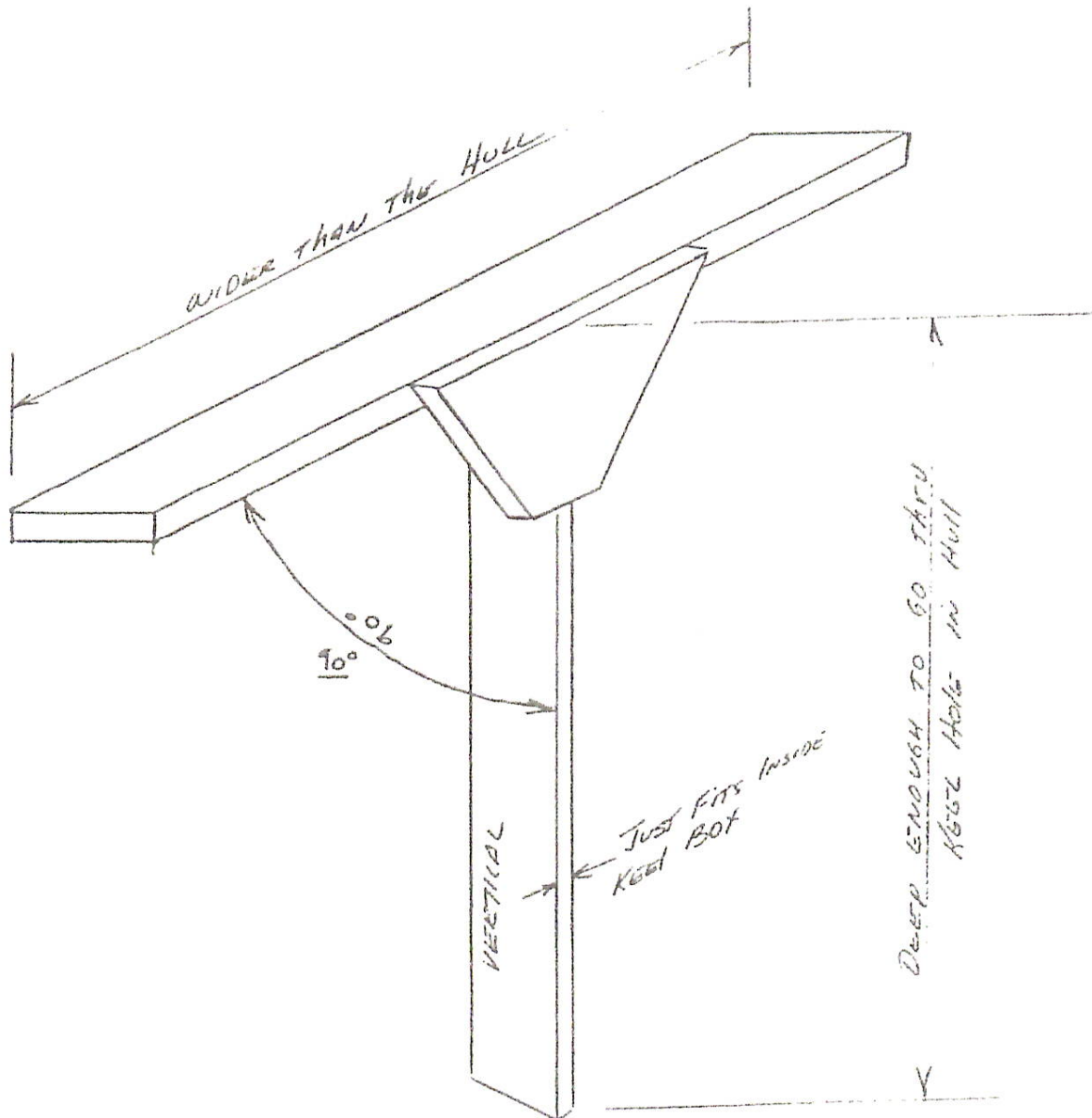


Figure 8 - Keel Box Alignment Jig

When I install the keel box, I wrap the jig with wax paper so it doesn't get stuck to anything, lay it across the gunwales and it aligns the keel box vertically in the boat.

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WEB SITE
American Model Yachting Association
www.amya.com
check out the soling one meter hulk
some of the other hulk's. There is a very
good section on racing rules

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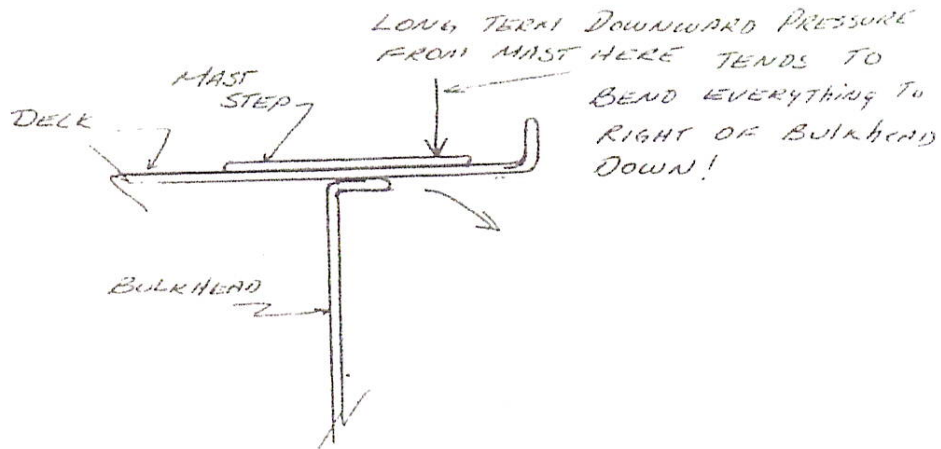


Figure 4 - Forward Bulkhead Weakness at Mast Step

This bending problem is difficult to remedy once the deck is on, so on all the boats I've built since my first, I make, and add the piece shown in Figure 5. It also eliminated the need for the little backing blocks for the shroud screw eyes that the plans call for in the upper corners of the bulkhead.

{The current Victor kit has modified the forward bulkhead with a recess at the top for the plastic deck support. We now cut down the plastic deck support to the width of the bulkhead flange just so that the recess is filled and then use the wooden deck support block described here. Balsa provides a fine support and is light. This may be a case of overkill, but that plastic support doesn't look like it will do much good to us and the block spreads the stress out to the sides of the hull. -ed.}

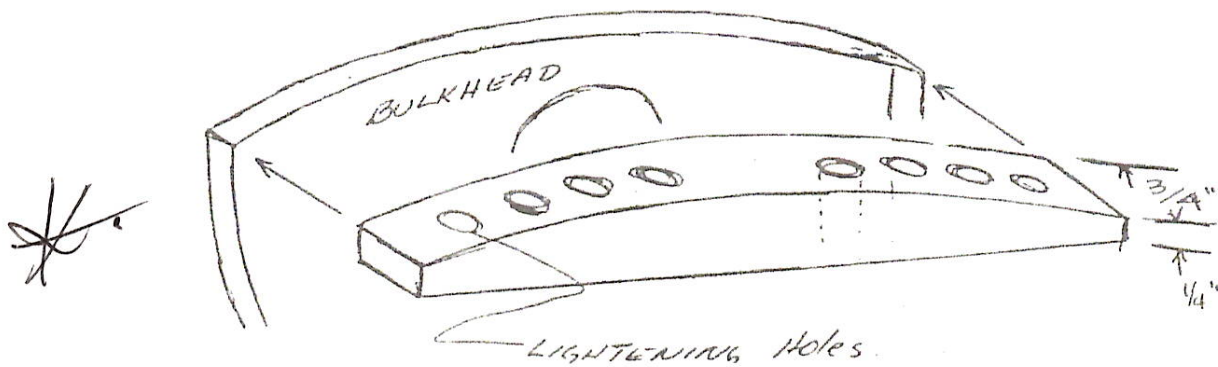


Figure 5 - Deck Support Block

{Another option we've seen is to run a post from under the mast step straight down to the keel trunk. That method prevents you from positioning the sail servo

I have used this in ^{Page 2} my new boat and am installing as I refit my original boat.

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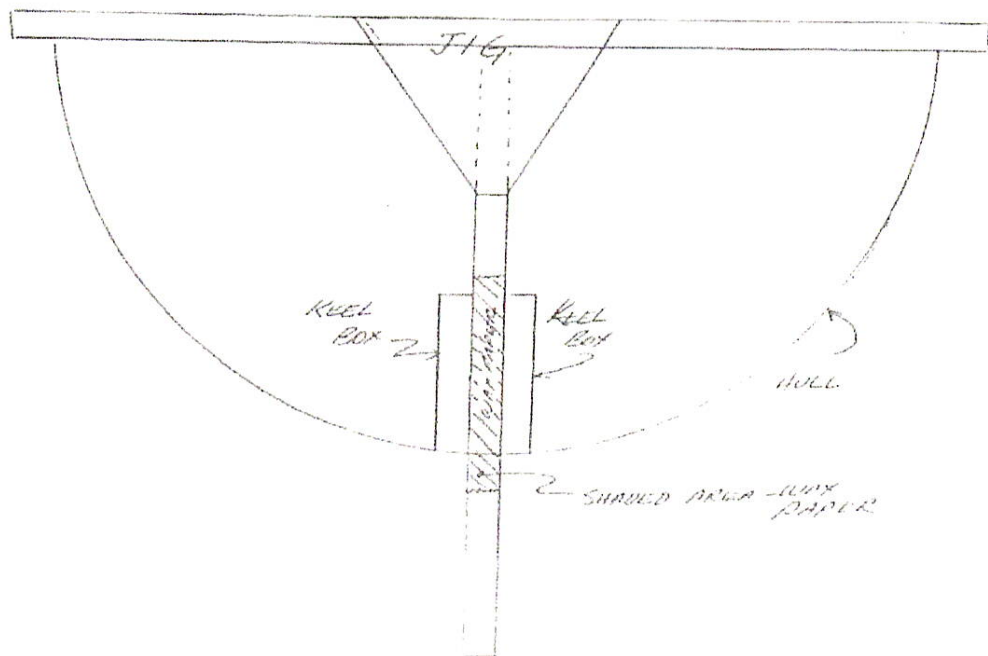


Figure 9 - Keel Box Installation

Every time you glue wood to plastic with epoxy make sure you rough up the plastic surface with very course sandpaper.

- * 7. You might want to consider another small addition that will eliminate some possible problems in the future. After long usage, the side pressure on the keel has a tendency to break the bond between the front of the keel box and the bulkhead. To eliminate this and to provide a little more support on either side of the mast box, it is suggested that you make a couple $\frac{1}{4}$ " thick blocks of wood and glue them to the forward bulkhead on either side of the keel box.

These two pieces, and the deck support block we suggested earlier are shown in Figure 10.

{Instead of the rectangles shown in Figure 10 I've had good success using little triangles against the bulkhead for the keel box reinforcements. -ed.}

Definitely required

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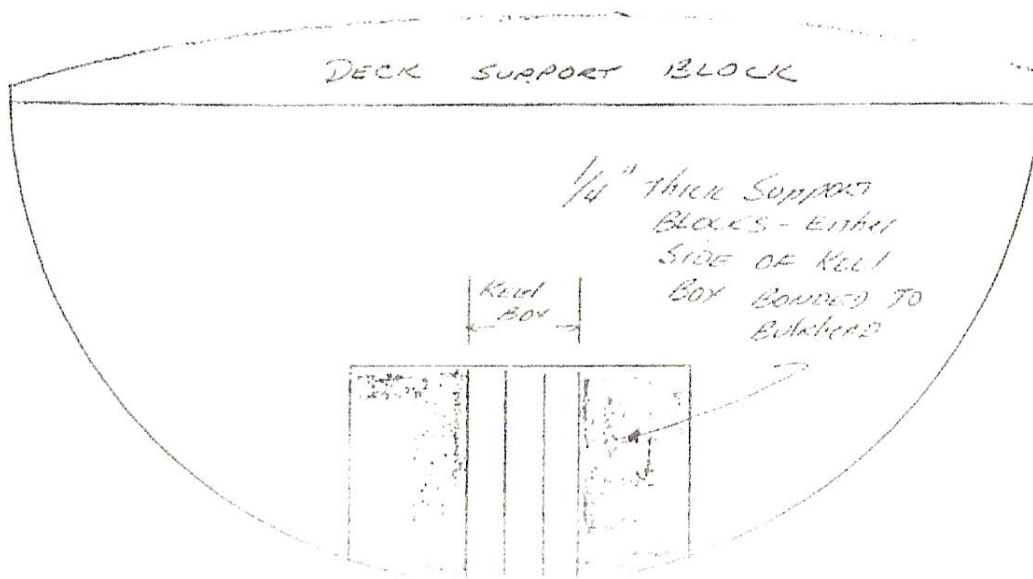


Figure 10 - Keel Box Reinforcement

TRANSOM

Before you install the transom, you should check to make sure that the hull is cut so that it will go in at right angles to the center line. We've found that some of the boats come through with one side a little longer than the other. Just measure back from the bow on each side and make sure the dimensions are equal.

{Install the transom to match the shorter side of the hull. After the glue has cured cut or grind off the excess on the long side. You can then fill in any gaps as per the plans. -ed.}

AFT BULKHEAD

We've found that installing the aft bulkhead at the 29 1/2" location shown in the plans is a little too far aft and has a tendency to push out the hull sides too far making the deck difficult to fit. The best thing to do, since the location of this bulkhead isn't critical, is to put the deck on the boat and tape it in place. Then use the alternate method of locating the bulkheads shown in the Victor plans. Just make sure that the bulkhead is aft of the hole in the deck that the main sheet passes through.

{The alternate method of locating the rear bulkhead isn't shown in the new plans, but you get the idea. Don't forget to leave that 3/4" unglued at the top of the bulkhead as shown in Figure 7. -ed.}