

A DIY mast would use a standard diameter 460 windsurfer mast. The bottom 12" would need reenforcement to stiffen it up as the loads are at the bottom on the PT 11 whereas on a windsurfer, the loads are higher.



BOOM HARDWARE FOR PT 11

The gooseneck tangs are attached with two 3/16" pop rivets (the longer ones) per side.

The forward holes for these rivets should be 1/2" or more from the end of the boom to avoid splitting the boom walls.

Gooseneck webbing is sewn onto the tangs through the holes in the tangs and should be tight enough that the boom doesn't hit the mast.

In 2023, 12 have a machined gooseneck that is glued into the base of the boom.



The tack eye strap is attached to the upper face of the boom with the shorter rivets, forward hole 1/2" aft.

Tack snap hook attaches to this eye strap.

Hardware is both Harkin and Konstan hardware in their smallest line suitable for dinghies.



Eye strap with block attached to the **lower face of the boom** 23" aft of the forward end of boom.

This one is for the vang. See page 3



Eye strap with block attached to the **lower face of the boom** at 45" aft.

This block is for the main sheet. The sheet runs from your hand through this block and aft to the end of the boom.



Mid way from the above block and the aft end of the boom, the main sheet runs through a fairlead made from a re-shaped eye strap. This is also on the lower side of the boom.



At the aft end of the boom **on the upper face**, an eye strap for the outhaul to run through. Aft hole no closer than 1/2" from end of boom.

The outhaul jam cleat is attached to the upper face with 8/32" (I believe) flat head machine screws. Drill and tap for these and install fasteners with a dab of epoxy.



The sole becket block for the main sheet can be attached by lashing as shown.

Main sheet set up as shown.



Vang set up as shown with vee jam cleat facing down.

NOTES

Use the shorter rivets for all but the gooseneck and the eye strap that fastens to the mast.

The eye strap that fastens to the mast (not shown) is for the vang S-hook to attach to.

This eye strap should have its lower hole drilled 10 1/2" from the butt end of the mast.