

OC6 Rigging

This note describes how to rig, or fasten, the AMA to the IAKO on an OC6, and the inboard ends to the hull. (IAKO is the beam, AMA is the float on the end)

The job requires two, and preferably three, people.

Ideally work on a clean dry surface to avoid getting sand etc on the rigging line.

Tools:

Knife, 10' tape measure, 6" length of 1" dowel, duct tape, felt tip pen, pliers or vice grips

Line:

¼" 3 strand cotton line – each iako-ama connection requires a length of line roughly equal to the boat length. A single 100 ft length will suffice for both with about 20 feet remaining

Line must be dry as it swells and tightens when wet – if rigged wet, rigging will loosen in sunlight

Set up:

Boat level side to side

Iako flat on ama – not stressed

Decide on toe-in and out

- Suggested is 0 to ½" toe-in. Toe-in is bow closer than aft –

and decide on distance between hull and ama – longer distance, more stability

- .69" from outside of gunwale to center of ama is reasonable –
so 69" at forward IAKO connection, 69.5" at aft iako connection.

This is what we are trying to finish up with:



1. Prestretch rigging line – basically by pulling hard on it. Uncoil – double it up – pull multiple times – keep it off the ground – one helper is responsible for this, one feeds, one pulls and/or holds
2. Position iako on ama – pin on centerline

3. Lay free end of line on iako – tape in position (note dazzling speed with which this is done)



4. Single turn around pin with coil **end** under



Keep the work area tidy, the line carefully coiled and take your time



5. Thread the line through the forward hole in the ama with one helper holding the loop of excess line to prevent tangles.

6. **Pull tight** right from beginning and on every thread thru – this is what the 1" dowel is for!



7. Pass the line back past the pin and through the aft hole – pull it tight again – really tight!!



8. Make a total of 4 turns – bias each successive turn to closer to the pin so each loop forces previous one out and tightens it



7. Loop around end and tighten – 4 times around parallel to the ground – Pull it tight every turn



8. Now the tricky part – expect to do this a few times before you get it right – too tight and you cannot finish – too loose, and yep, it's too loose.

Take the line that you have been winding around and take one turn around the iako – that's the line perpendicular to the iako in the pic.

Now, release the taped end of the other end of the line, form a loop and lay it along the iako on top with the non free end snug – it's under the guys watch hand -



9. Make 8 to 16 wraps around the loop with the long end of the line we have been working with – tighten each wrap

We are doing a basic whipping to finish the job off -



10. Pass the line through the loop

Now you find out if the wraps are too tight or loose – and you started with the loop tight



11. Pull on that loose end of the loop – As shown you will probably need a pair of pliers - Pull the loop and the line with it to the mid point of the wrapping



12. A nice reef knot to tidy up the free ends and you are done
13. Duct tape over the whipping if you wish.



IAKO to Main Hull

Now for the inboard ends – these are simply strapped to the cross members using wide strips of flat rubber. You can use old inner tubes from mountain bikes, or better use wide flat strips of pool liner. Strips about 4 feet long and 3" wide work well.

Check you have the IAKO positioned correctly – and make sure you leave at least 3" sticking out the other side to put your foot on when you do a Huli.

The rubber must be **really** tight – this is best done by taking a couple of wraps and then using your weight – push down on the free loop to get it really tight – and repeat one wrap at a time –



After about 5 wraps – put your hand on the last wrap – yes this is gonna hurt – take one more wrap and pass the free end of the rubber to your hand that hurts – pull it through and then try and get a second pull through to really secure the end of the rubber.

Put at least two lashings – one at either side of the hull up close to the gunwale – there is just the first one shown here

Take it for a paddle and then check everything! – and remember to check again at least once a month.



Thanks to Ryan from Pogue Sports and Glen & John for the demonstration –