



OPPI Rigging Guide 3/2008

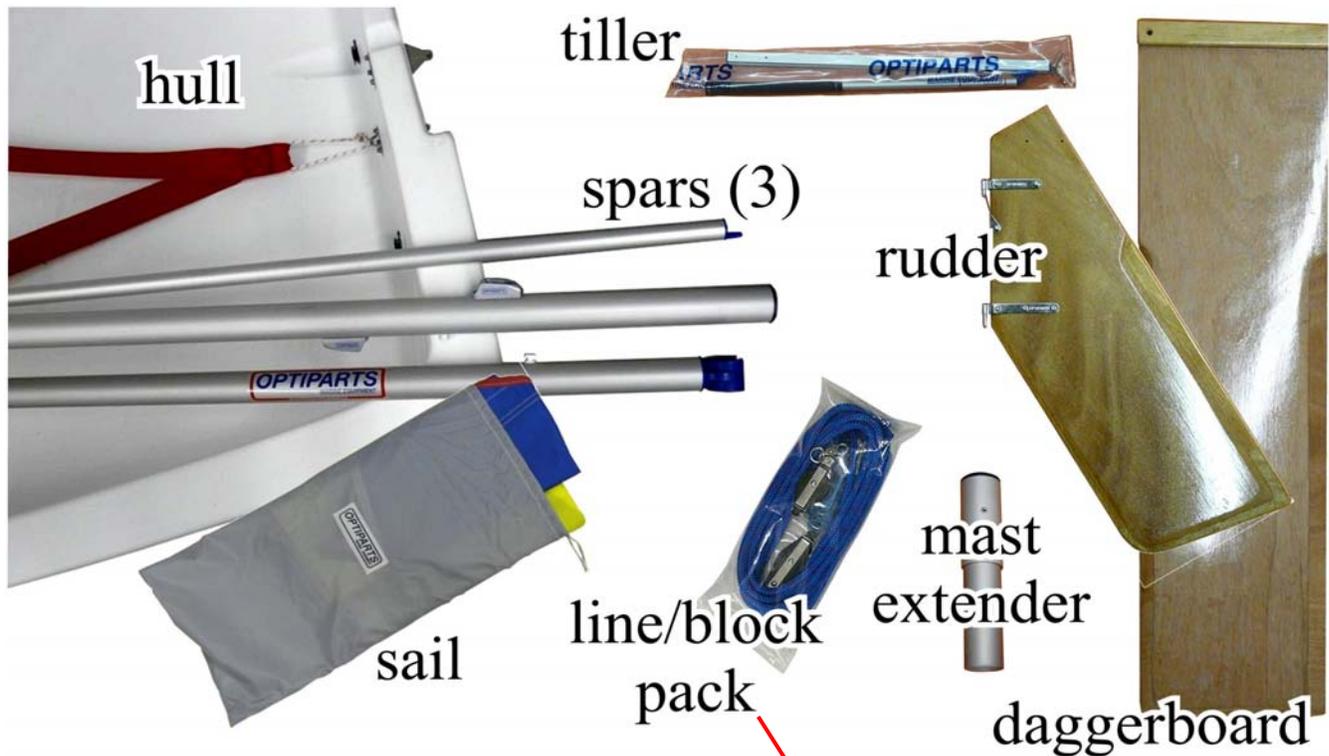


McLaughlin Boat Works
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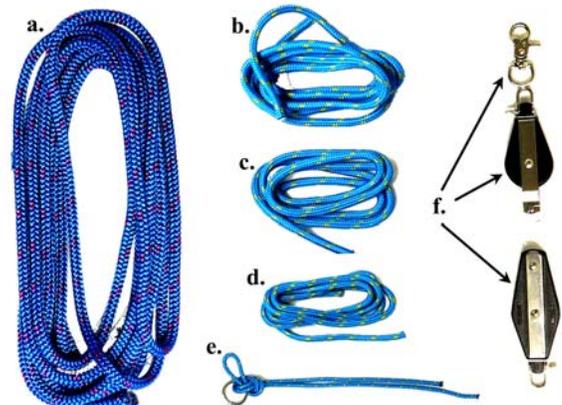


*Thanks for purchasing OPPI, the most durable and F-U-N sailboat available.
Rigging your OPPI is easy and the following pictures make it a breeze (pun intended!).*

- Tools you may need: two 9/32" (7mm) wrenches or adjustable wrenches (for assembly of tiller/rudder).
- 1. Check that your OPPI package includes: hull, tiller and extension, spars (mast, boom and sprit), rudder, multi-color sail in bag, line and block pack, mast extender, and daggerboard.



- Open line pack and check for:
 - a. mainsheet 19' x 3/8" braided line
 - b. sprit adjuster 65" x 5/16" line
 - c. boom vang 40" x 5/16" line
 - d. outhaul 46" x 1/4" line
 - e. boom bridle 20" x 5/32" and 1" stainless steel ring.
 - f. mainsheet upper and lower block w/ trigger shackle



***If anything is missing or seems damaged
please call us right away at 800-784-6478.***

2. Install mast extender. Your spars were constructed for alternate use in the Optimist Dinghy, which has a deeper cockpit than the OPPI. The mast extender raises the sail and boom allowing an additional 4" of headroom (and that's a good thing!). Remove the end plug in the top of the mast (the largest spar), by tapping it out with a screwdriver.



Apply a heavy coating of silicone sealant to mast extender in an effort to make a watertight seal with mast and to keep it attached. Slide together and wipe off excess silicone.

3. Rig sail. Slide mast, extender first, all the way into luff sleeve.



Slide boom into two webbing straps



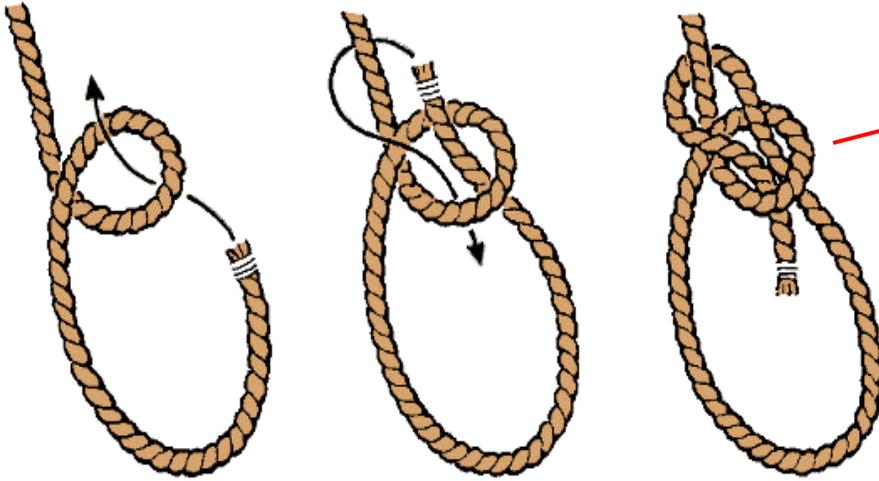
at foot of sail.

Snap boom fitting to mast making sure fittings are toward sail.

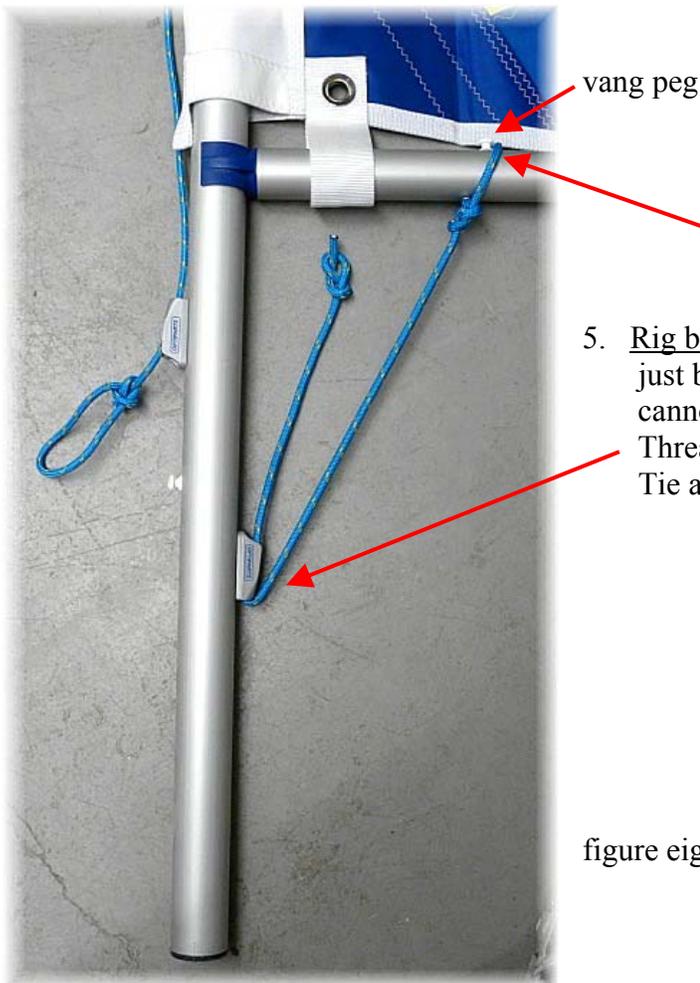


4. Rig sprit adjuster. Tie a very small bowline (1" or less diameter) in one end of sprit adjuster line.

bowline

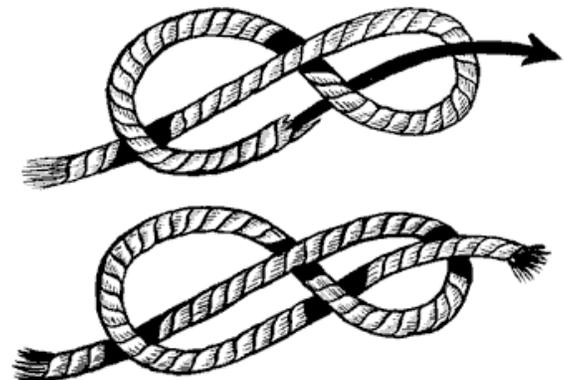


Thread through block (pulley) on front of mast. Lead down to and through cleat. Tie another bowline (3 – 5" diameter) to use as a handle.



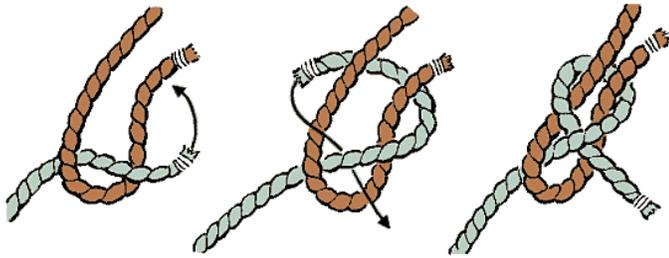
5. Rig boom vang. Tie a bowline very snugly around boom just behind vang peg. It should be tight enough that it cannot be easily slid over vang peg. Thread other end into vang cleat from the bottom. Tie a figure eight knot in the end.

figure eight knot

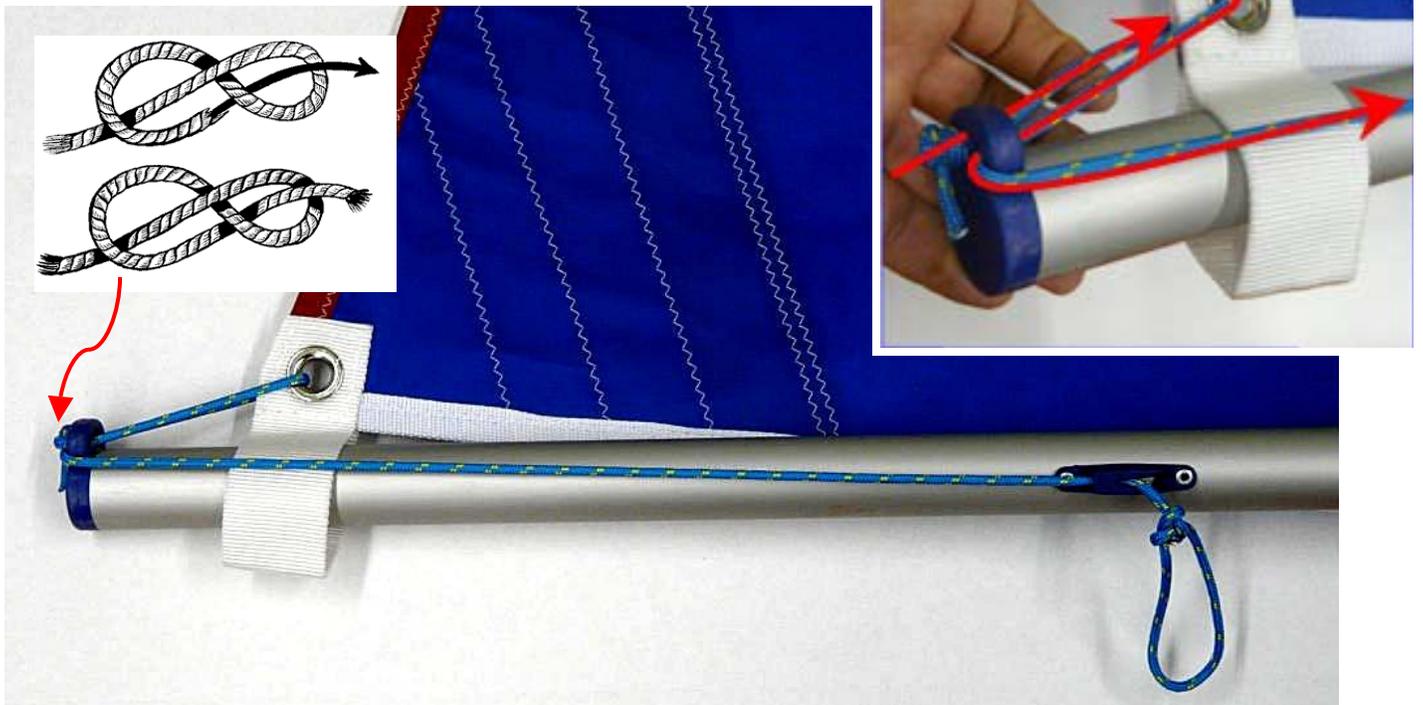


6. Rig boom bridle. Thread bridle through tiny bridge on top of boom. Thread stainless steel ring onto bridle and tie ends together with a sheet bend.

sheet bend



7. Rig outhaul. Tie a figure eight knot (stopper knot) in one end of outhaul line. Thread through outhaul fitting in end of boom, pass through grommet in sail, back through outhaul fitting, then lead to cleat. Tie a bowline in end for a handle.



8. Step mast. Point the boat into the wind or as close as possible to the wind. Grab mast with hands wide apart and get mast vertical. Keep sail downwind and away from your body. Slide bottom of mast through black disc and into stainless steel mast cup. (The cup should be adjusted as far aft -toward the rear- as possible to allow maximum headroom under the boom). Pull elastic “mast keeper” up and over white peg on front of mast. This helps prevent the mast from sliding out of the mast cup in event of capsizing.



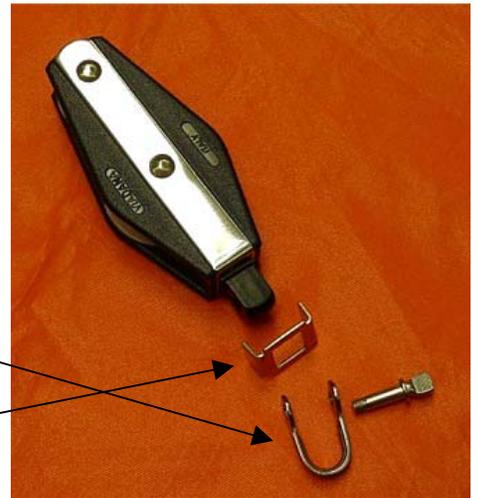
9. Attach mainsheet blocks and rig mainsheet.



Install trigger shackle at top of becket block.

Remove shackle at bottom of fiddle block.

Discard swivel limiter.



- Tie mainsheet to becket of upper block with a bowline.



- Snap trigger shackle to boom bridle ring.

- Shackle fiddle block to eye strap on hull.

- Tighten both shackle screw pins with pliers or adjustable wrench.

- String(reeve) the sheet through the blocks exactly like photo.

- Tie a figure eight knot in end of sheet to keep it from running out of the blocks.



10. Attach sprit. Put one end of sprit into loop at peak (top corner) of sail. Push the sprit up and out until you can hook the other end into the small bowline of sprit adjuster. Pull sprit adjuster line below cleat to tighten. Tighten just until diagonal wrinkles disappear from sail, then cleat line.



11. Attach tiller to rudder. Sandwich rudder blade between spread tiller forks. Make sure extension is on top, per photo. Secure with two bolts.

12. Attach rudder to transom (back panel of boat). This Must be done with boat in water or on a dolly.

13. Install daggerboard in slot with tapered edge facing rear. Bungee cord goes at back of daggerboard to help hold it up and overtop to hold it down.

14. GO SAILING!!!

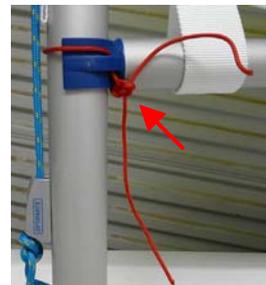


Daily unrigging: When finished sailing for the day simply unhook the mainsheet at clip. Remove sail and lay on ground. Remove sprit and lay it next to mast. Fold peak of sail down to mast. Fold boom up to mast. Roll mast boom and sprit into sail.

How do I store my OPPI? After use in salt water, rinse daggerboard, rudder and tiller, sail and spars with fresh water. Allow to dry before storing. For winter storage remove sail from spars, clean with fresh water, dry and loosely fold sail and place in bag. Blades (daggerboard and rudder) should be also rinsed and dried. For ultimate longevity, when not in use keep OPPI hull out of the sun. To prevent heat build-up which could deform polyurethane or fiberglass boats do not cover with dark colored tarp or cover.

How do I clean my OPPI? Wipe away loose dirt with a sponge or cloth. Do not use abrasive cleansers or scratch pads. *Simple Green* does an excellent job and a high pressure hose or power washer removes stains and dirt from pores in the hull material.

Additional hints and tricks: To prevent boom from coming separate from mast, usually caused during a jibe when the vang is too loose, tie a 16" x 1/8" line tightly through holes in gooseneck and around mast.



To cushion boom-to-head contact for beginners, tape or plastic wire tie a 24" piece of pipe insulation just aft of boom bridle.



Add a piece of 1/8" x 52" line to daggerboard so it can be tied into boat and not float away.



Slide a section of pool noodle or Pipe insulation over the upper end of the sprit to help prevent turning turtle in event of capsiz.



For parts and accessories www.optistuff.com

For an excellent internet video of OPPI sailing www.youtube.com/watch?v=CIWlxjeGQSs

