



HOW TO RIG YOUR SONAR

1. Prepare mast rigging

- Remove plastic mast covering.
- Untie halyard coils.
- Pull down halyards: main, spinnaker, jib and topping lift; secure them to spinnaker bales on front of mast.

2. Install shrouds in mast

- **Twist key fittings into receiver holes.**
- Six shrouds total:
 - Two lower shrouds (short w/turnbuckles)
 - Two upper shrouds (long w/turnbuckles)
 - One forestay
 - One backstay (to aft side of masthead crane, longest of all shrouds)

3. Raise mast - (using crane or gin-pole).

- Secure all lines: make sure main halyard is aft of spreaders; spinnaker and jib halyards are forward of spreaders.
- With long 3/8" line, tie bowline under spreaders w/knot in front of mast.
- Run tail of this raising line through block (on crane or gin-pole).
- Pull down on tail to begin raising mast.
- Hold down mast butt so the mast raises vertically with the boltrope groove facing aft. Guide butt into partners (square hole in foredeck).
- Lower mast into partners and drop onto mast step.
- Place one block behind mast in partners. Lean mast back against this block.
- Install upper shrouds and tighten by hand.
- Lower hoisting rope and remove. Install lower shrouds loosely.
- Attach forestay in forward stemhead hole.
- Attach backstay to top of double block at stern.

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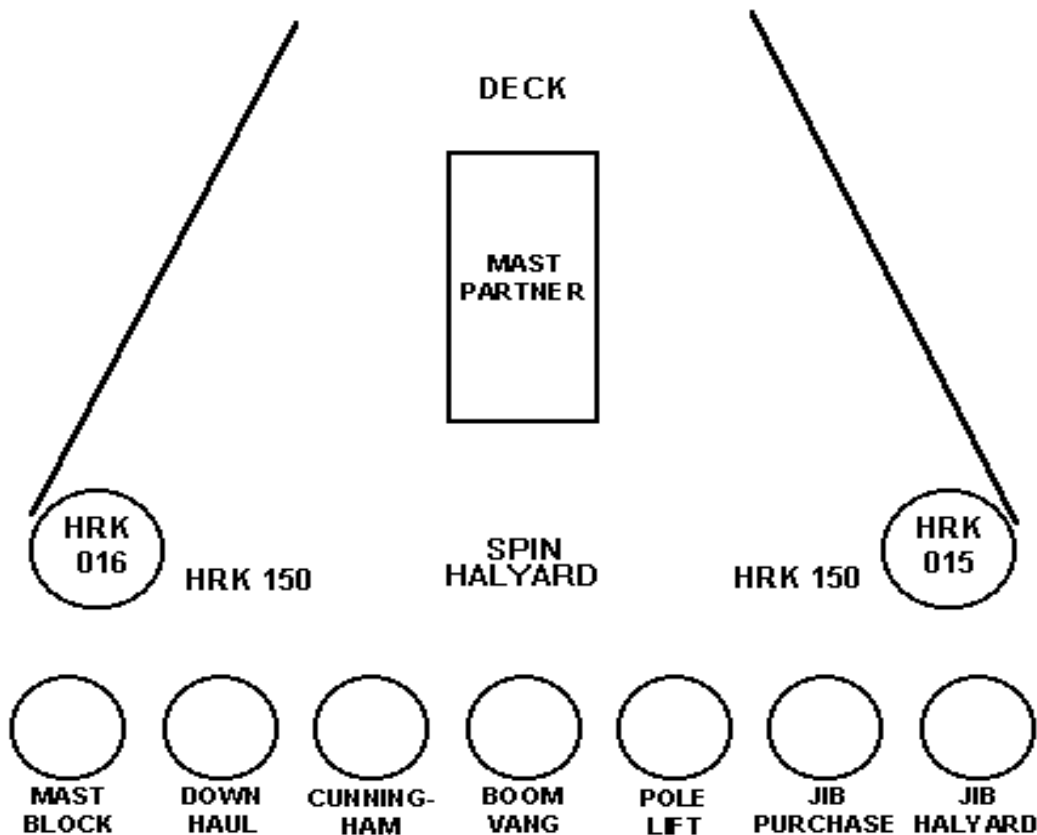
4. Connect Boom

- Attach gooseneck pin through bracket on back side of mast.
- Install vang block on boom.
- Run vang wire up through deck opening, through boom block, return to mast and secure shackle.
- Attach mainsheet block to boom.

5. Rig spinnaker gear on deck

- Attach aft spinnaker blocks with shackles to aft rail (approx. 16" from stern).
- Attach twacker blocks to midship shackle on rails.

6. Console controls



- **Mast Block**

Bungee cord runs up through mast partners, around the back of mast and back to the plastic mast block. It is then stretched up and over the gooseneck bracket on back of mast.

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- **Mast Block Control**

Tie one end to the eye strap at the base of the stand up block, located to the right of the mast step. Pass this line through the small block on the bottom of plastic mast block and back down to the forward mast block, located to the left of the mast base.

- **Down Haul**

Pass the bitter end through the deck forward of the mast. Run this line through the small block to the left and aft of the mast base, up through the right side of the double block, overhead, and out through the console.

- **Cunningham**

Tie one end to the becket located on the single block mounted behind the console. Run the other end through the double block, back to the single, back to the double and out through the console. Attach the double block to the cunningham as it exits the mast.

- **Boom Vang**

Run this line the same way as the cunningham and attach the double block to the vang wire as it exits the mast.

- **Pole Lift**

After it exits the mast, this line runs down to the block located to the right aft at the mast base, up to the single block overhead and out through the console.

- **Jib Purchase**

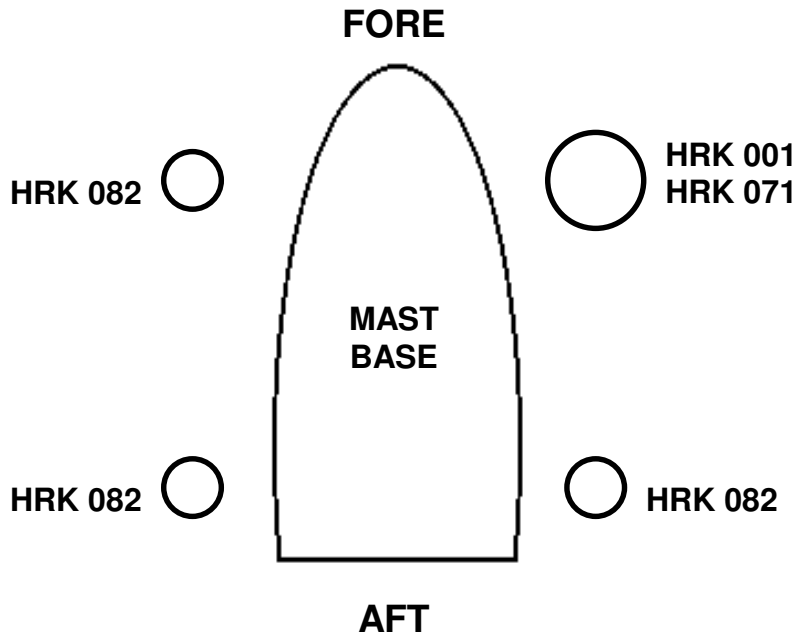
Tie one end to the becket of the micro block hanging on the overhead above the V-berth. This runs back and forth to the triple block with the attached single, and out through the console.

- **Jib Halyard**

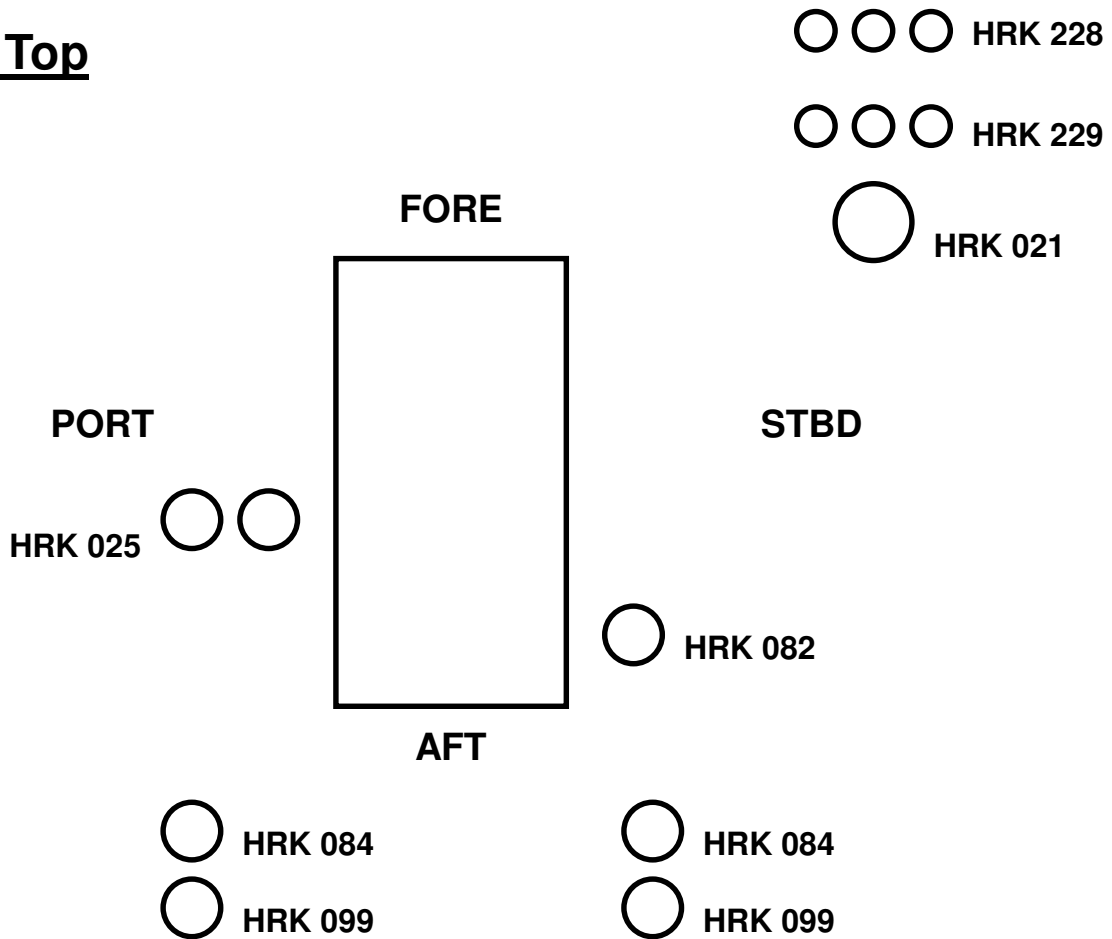
This halyard exits the mast and leads through the stand up block to the right and forward at the mast base, then up through the single block on the jib purchase, and out through the console.

Cabin Floor

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Cabin Top



7. Equipment required by class rules for racing

- Five foot paddle or oar

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- Hand-operated bilge pump
- 6 3/4 qt. capacity bucket
- 8 lb. minimum rating Danforth-type anchor
- 100 ft. of 5/16" or 3/8" nylon anchor line
- Throwable flotation device (cushion or similar)
- Hatch covers