

Instructions

IS20 Wind Vane (P/N 27118082)

INTRODUCTION

The IS20 Wind Vane provides wind speed and wind direction information to Simrad's high-speed data network, SimNet. The wind vane is designed to work with the IS20 Instrument Series and other SimNet-compatible equipment. Calibration features are available that can be accessed via the IS20 display head.


WIND VANE INSTALLATION

Running the cable

It is easiest to run the cable if the mast is stepped. If this is not possible, all necessary precautions should be taken, always use a bosuns chair and ensure all tools are securely attached when working aloft.

- 1 Apply the self-adhesive template supplied to the masthead, pointing Fore-Aft
- 2 Drill the fixing and cable exit holes as marked – the masthead bracket incorporates a cable clamp to secure the cable and provide strain relief (Fig. 1)

It is recommended that a grommet is used to avoid damage the cable where it passes through the mast. Allow at least 75 mm (3.0") of cable at the masthead for the wind vane connection.

 *The cable can be fed through the side of the mast, if this is more convenient.*

For boats with an aluminium mast, a channel is normally provided inside the mast section for running electrical cables. This will usually have a tag line, or "mouse" – a length of line running the length of the mast to assist in pulling through cables. If not, the cable will need to be fed down and drawn out the bottom by hand.

For boats with a wooden mast, the cable can be run down the outside of the mast, held in place with cable clips.

Fitting the Masthead Bracket

Route the cable in the strain relief channels in the bracket and out the back. If the cable exits through the side of the mast, route the cable in one of the blanked off side channels and out the back (Fig. 2). Use a sharp knife or scalpel to remove the blanking piece and open up the channel.

Attach the masthead bracket with the screws provided. Ensure the bracket is mounted the right way round, so that the wand will be pointing in the correct direction (Fig. 3). The wind vane is factory preset for mounting forwards, but it can also be mounted facing Aft, in which case a correction offset must be applied using an IS20 display head.

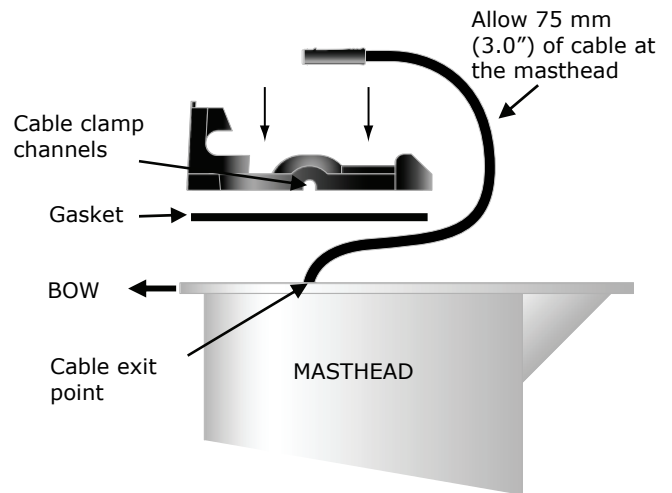


Fig. 1 – Drilling exit hole for cable

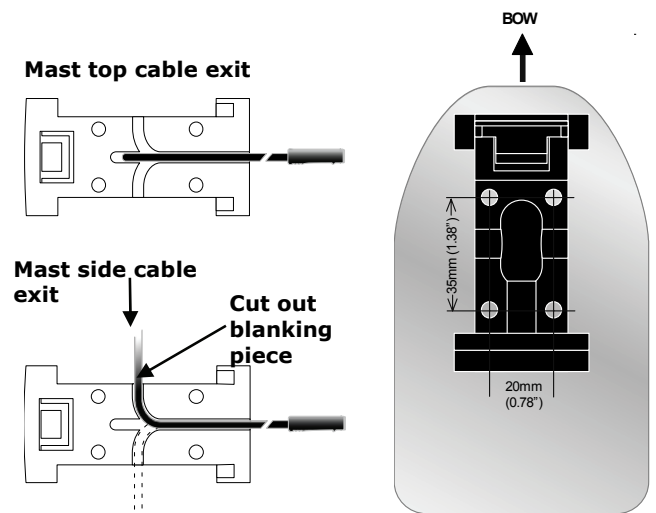


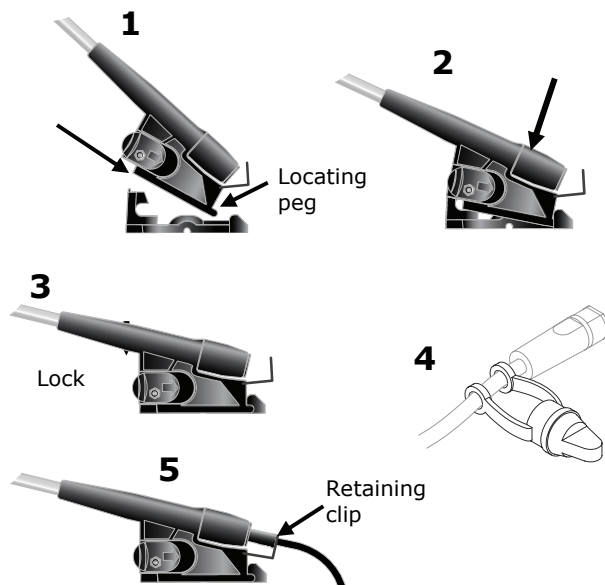
Fig. 2 – Cable channel exit points

Fig. 3 – Fitting the Masthead bracket

Attaching / Removing the Wind vane

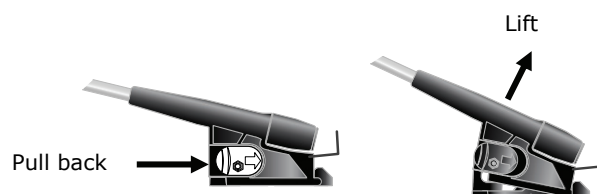
The vane is attached to the masthead bracket using a simple quick-release clamp system.

- 1 Slide the locating pegs on the rear of the vane base into the slots on the masthead bracket (1)
- 2 Press the vane down onto the masthead bracket (2)
- 3 The vane base will then lock into place. Ensure that the quick release clip is properly engaged by pulling it fully forward (3)
- 4 Attach the protection cap to the cable (4)
- 5 Then fit the cable to the socket in the back of the vane and lock the retaining clip into place (5)

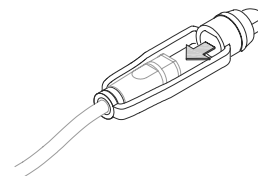


To avoid damage, it is recommended that the wind vane be taken down at the end of the season if the boat is to be laid up or lifted out.

Simply unlock the retaining clip, remove the cable, pull the release clip back and lift the vane off the masthead bracket.



To avoid corrosion of the electrical contacts, always fit the protection cap supplied over the end of the cable.

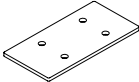
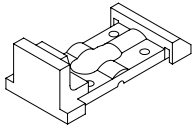
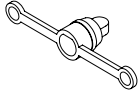



CALIBRATION

If it is not possible to mount the wind vane so that it is pointing precisely Fore-Aft, an adjustment using a Wind display head can be applied to compensate for the mounting error.

For more information on IS20 instruments and other Simrad products, please visit our website at: www.simradyachting.com.

PACKING KIT

| | Qty | Description |
|---|-----------------|---------------------------------|
|  | 1 | Gasket |
|  | 1 | Masthead bracket |
|  | 2 | Protection cap for SimNet plugs |
|  | 6 (4 + 2 spare) | Self tapping screw no 6 |