



PROCTOR MASTS

CJN/YHW

16th February 1984

Westerly Yachts Ltd.,
47 Aston Road,
Waterlooville,
Portsmouth,
Hants.

STATEMENT REGARDING THE SETTING UP OF THE RIGGING ON THE FULMAR

The Proctor Spars fitted to the Fulmar are designed to bend fore and aft by a maximum of 4 inches when under sail, measured from the masthead to the gooseneck. This bend should be applied by the cap shroud and mainsheet loads, and not by the backstay.

The backstay should be adjusted so that the mast is straight from the spreaders to the masthead, when running in heavy weather. This should be checked by sighting up the mast when sailing.

The cap shrouds should be set up very tightly, in order to apply reasonable tension to the forestay. Ideally the cap shrouds should be tightened so that the leeward shroud just becomes slack at about 20 degrees of heel.

This amount of cap shroud tension will induce forward bend in the mast at the spreaders, due to the thrust down the spreader from the cap shroud. The lower shrouds should be tightened so that the centre of the mast bends forward about 2 inches with the boat at rest.

These settings should be checked by sighting up the mast with the boat sailing on each tack. Ideally the mast should bend slightly forward at the spreaders, and be straight athwartships up to the hounds. The top mast should be expected to bend slightly aft and to leeward under mainsail leach tension.

When set up in this way, the backstay will be slack when sailing to windward, and at the mooring. This is to be expected, the backstay should not be tightened in order to bend the top of the mast or in an attempt to increase forestay tension, because this will result in the backstay taking too much load downwind, bending the top mast excessively aft.