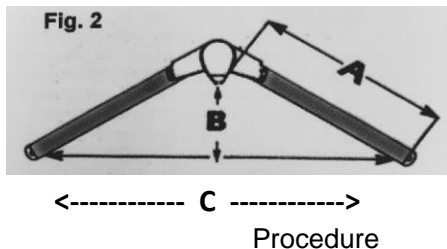


Wayfarer Tuning Procedure

Tools Required: 30' tape measure metric
Loos Tension gauge
Short tape measure metric

Step 1 Mast Rake Settings



	Hartley Sails	Hartley Sails	North Sails	UK tuning
Boat Type	MkI to MkIII	MkIV	MkIV	MkIV
A: Spreader Length (mm)	508	510 -515	520	508
B: Deflection (mm)	200-230	200-230	220	203
C: Shroud to Shroud (mm)	965 +/-	965 +/-	940	965
Mast Prebend @ spreaders (mm)	25-38mm	25-38mm	24-39mm	25-38mm
medium wind Rig tension	150kg (330lbs)	150kg (330lbs)	136kg(300lbs)	150kg (330lbs)
Medium wind mast rake	7162 +/-	7265 +/-	7239+/-	7237 +/-

To Do	To check
1 Set spreader length & deflection	According to sail specifications
2 Raise mast	Ensure mast foot sits on mast foot track, if not add shims
3 Remove mast pivot pin, push mast forward	Make sure mast foot presses against limit pin in mast foot track
4 Raise jib, tension to specification	Tension according to boat type and sail type
5 Attach tape measure to main halyard & raise	Raise until tape measures 5867mm at top of Band 1 just above gooseneck
6 Measure to transom to check mast rake	Check length according to boat type and sail type
7 Re-insert pivot pin	It should slide in without touching the mast, if not see below
	7a If the limit pin jams on the front part of hole, move limit pin forward
	7b If the limit pin jams on the back part of hole, move limit pin backward
8 Pull main halyard tight against luff groove	Check the gap between halyard and luff groove at spreader level according to sail type and boat type.
	8a If the gap is too small adjust spreaders backward
	8b If the gap is too large adjust spreaders forward

Step 2 Adjust for Sailing

Hartley Sails	Light Winds	Medium Winds	Heavy Winds
Mast Rake	7290	7265	7240
Pre-bend	Pre-bend	na	na
Chocks	none	all chocked	medium chocked
Rig Tension	140kg	150kg	160kg
Fairleads	forward	middle	aft
Cunningham	minimal	remove wrinkles	medium
Outhaul	tight	moderate	tight
Centerboard	down	down	up to balance helm
Vang	light	medium	tight

North Sails	Light Winds	Medium Winds	Heavy Winds
Mast Rake	7264	7239	7213
Pre-bend	29mm	24mm	35mm
Chocks	Neutral	Neutral	Neutral
Rig Tension	181kg	136kg	181kg
Fairleads	Inside track	Middle outside track	outside track
Cunningham	none	remove wrinkles	remove wrinkles +
Outhaul	pull hard-> ease 2cm	keep base of main flat	Full
Centerboard	down	Up 2-3	Up 4-6
Vang	light	medium	tight