

# J/70 Mastbase Maintenance Advisory

Date: 28 October 2014

## PREVENTATIVE MEASURES



This service should form part of your regular mast maintenance schedule - this area should be **checked at least twice a year**.

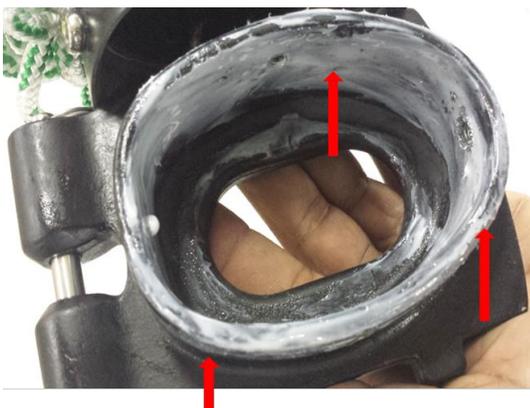
Between intervals, keep an eye out for signs of the mast tube bulging and signs of white oxide from corrosion. (Red circles in the photo on right.)

It is recommended that the mast is washed down with fresh water after every sail - making a deliberate point of hosing water through the lower halyard exit

slot will flush out any saltwater residue.

## MAST BASE SERVICE:

1. REMOVE your mast heel from the mast by undoing the 4 fasteners. If they are corroded in place, spray with an anti-corrosion spray such as **WD40** and allow one or two hours before trying again.
2. CLEAN the inside of your mast with fresh water and a mild detergent.
3. CLEAN the mast base in water and mild detergent. Use acetone to remove any stubborn grease or barrier agent residue left over from previous maintenance interval.
4. Check the mast for any damage to the laminate.
5. Check the mast base for signs of corrosion.
6. After cleaning, re-apply a barrier agent. Tefgel should be generously applied to the surfaces indicated by the red arrows below. On the outside of the heel, the top lip of the heel and the inside surface.
7. Check your fasteners as well – if there is damage to the fastener, replace them (Spec: Button Head Socket M5 x 12mm for fore and aft ; Button Head Socket M5 x 16mm for side fasteners)
8. The thread of the fastener should be coated in an anti-corrosion substance such as Duralac – this will help it to stay in place as well as prevent corrosion.



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## **REPAIR PROCEDURE**

If during your regular service check you find or suspect there is **significant structural damage** to the carbon mast tube or mast base, action should be taken as soon as possible to resolve the issue – **even a few days can make a significant difference to the level of damage caused.**

- a. The most important thing is to remove the mastbase and WASH OUT AND CLEAN as per steps 1 – 3.
- b. Contact your local rigger or boat service professional who will be able to advise you whether the problem needs further action.
- c. Take high resolution photos (2MB) of the damage and note the mast serial number for the record.
- d. Contact your local J/Boats dealer who will liaise with Southern Spars and advise you on a repair laminate for the area if required.
- e. If the carbon mast tube is damaged, the most likely course of action will be to locally repair the mast tube. Any repair work to the carbon mast should be carried out by an experienced composites technician.
- f. If there is significant corrosion on the aluminium mast base, it should be replaced with a new one.
- g. If the fasteners are broken or damaged, these should be replaced.
- h. Continue the installation as per steps 6 – 8.

### **Approved products list:**

[www.tefgel.com](http://www.tefgel.com)

[www.llewellyn-ryland.co.uk/downloads/duralacm.pdf](http://www.llewellyn-ryland.co.uk/downloads/duralacm.pdf)

[wd40.com](http://wd40.com)

