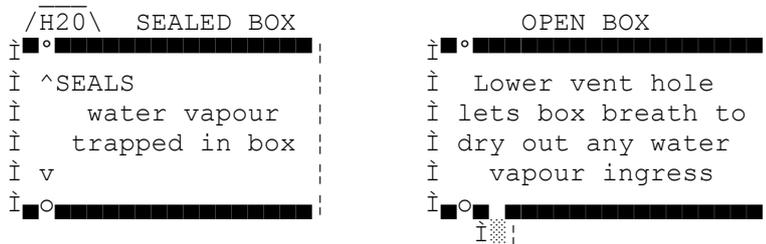




Exposed nut & bolt threads can be greased bolted tight & then cleaned on the outside & painted. This seals in the grease between the working surfaces stopping water entry & corrosion where it matters. Many years later it can easily be undone.

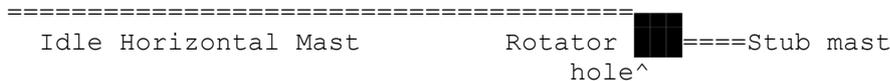
WATER TIGHT

Hermetic seals, these attempt to stop water entering a unit (lock, Preamp etc.) but usually fail, mainly due to changing air pressure & heat cycles allowing water to ingress past O ring seals. Then it is too late, you end up with a damp micro climate inside the unit, causing continuous condensation on all components.



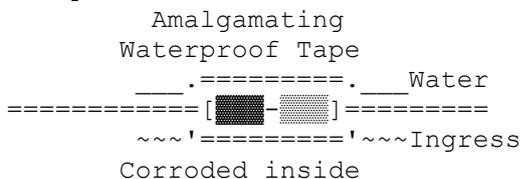
The open box approach solves this, with no pressure difference the seals stand a much better chance of keeping the water out. Insect gauze traps & long tube breath hole stops most rain & moisture entering.

A rotator normally left on its side unless the mast is up for instance, will let water inside as the seals are made to only work upright.



Drilling a small hole at the lowest point will let more water out than in.

Similar things happen with seals connector joints, a slight ingress of water into a clean new PL259 plugs & barrel all tapped up will corrode solid under the tape.



Filling the space with Vaseline where water could go is the answer here.

TOO LATE

If it is already too late, there are approaches other than a hack saw or angle grinder that may recover the situation.

Penetrating oil (eg.WD40) & heat, often works if given time. Work the component too & throw if there is any movement, not putting too much pressure on it to shear it off.



Rusted steel can be partly recovered with painted on Phosphoric acid treatments that convert the flaky rust brown Iron Oxide surface layer to a harder purple

Iron Phosphate. Some rust treatment products are also rubber emulsion paints that seal the metal from future water at the same time.

Why don't U send an interesting bul?

73 De John, G8MNY @ GB7CIP