

Date: Wed, 20 Apr 2005 10:44:55 -0700 (PDT)
From: Stuart Taylor <j105larrikin@yahoo.com>
To: j105@podell.com
Subject: [j105] Does Your Emergency Tiller Still Fit??

mine doesn't...

Owners, I suggest you all verify that your emergency tiller still fits. Eden had a steering issue during the ocean race last weekend and found that when he really needed it, his emergency tiller didn't fit ! That prompted me to check mine which no longer fits.

Speaking with Hank Williams at TPI (401 247 4111) the problem is caused by the weight of the rudder and general steering forces compressing and expanding the white delrin collar over which the emergency tiller needs to fit.

The fix is to remove the collar and sand (80 grit or so) until the emergency tiller fits.

Removal of the collar requires the removal of the pin on the top of the rudder post. CAUTION: Hank suggests a piece of 4x2 is wedged under the quadrant to (i) take the pressure off the pin so it can be removed/replaced more easily (ii) prevent you losing the rudder.

I strongly recommend all wheel boat owners check if their emergency tiller fits. Eden was lucky that he had plenty of sea room (and enjoyed the continual broaches) but the rest of us may not be so lucky.

In future boat measurements we will check that the tiller fits.

Thanks

Stuart
2005 Fleet Captain

Date: Wed, 20 Apr 2005 18:24:15 -0400
From: Nathan Boylan <nathan@nathanboylan.com>
Subject: Emergency tiller warning

Just a small concern about the notice that went on the website today. The advice given is to wedge a 2X4 under the quadrant in order to remove the pin. It is possible that even if you wedge it, the post may drop slightly.

As someone who has removed that pin about a dozen times in the past 2 months as part of my tiller conversion work I've seen the post drop 1/4" even though the boat was out of the water and a small jack stand was firmly holding up the rudder.

Once it drops even 1/8 of an inch it may be difficult to push the pin back in since the hole on the collar will be off center. If that happens you may have to enlarge the hole. Also worth noting is that the hole is not necessarily in the center of the collar and you should try and remember not only which edges are top and bottom, but also which ones are left and right. We measured a few different 105's and found pin heights, holes, collar sizes and collar holes of different dimensions and locations.

Note that even before I have the post drop slightly it was still quite difficult to get the pin back in every

time.

One additional method of preventing any movement is to also ensure that the set screws in the upper bearing are tight before removing the pin. They were loose on every 105 we checked, including mine.

If useful, fell free to add some of this to the advisory.

Regards,
Nathan.