

J/80 Tuning - Mast Rake

Mast rake is very critical for getting the best all around performance from your J/80. Because of the differences in the measurement from the black band to the mainsail halyard sheave box, combined with slight variances in the total length of masts, we have determined that mast rake should be (checked) measured from the bottom of the black band at the top of the spar to the closest point at the middle of the stern.

1. Start with a tape measure, we then take a 2" length of 5/16" line and with waxed thread, sew the short piece of rope to the end of the tape measure. This stitching should be tight, but at the same time loose enough to slide the short piece of rope into the mast track. It should work like a sail slide, and keep the tape end close to the back face of the mast. It should look like Figure 1.



Figure 1

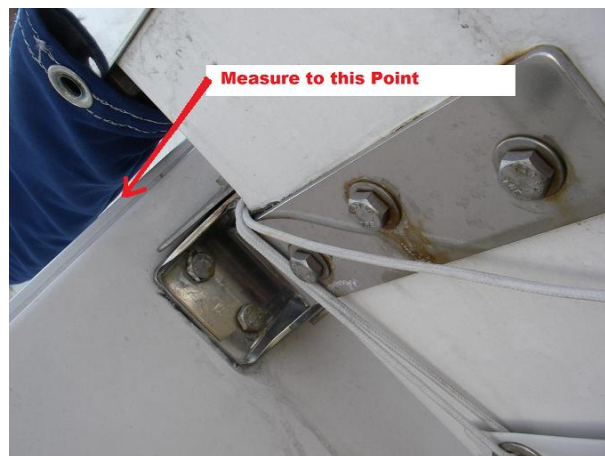


Figure 2

2. Hoist the tape measure to the black band, this can be difficult to see while standing on the deck. So the best check is to hoist it until the tape measure measures 30 feet from the top of the black band at the gooseneck.

3. Measure to the center of the stern, wrapping the tape measure around the outside of the stern directly under the tiller.

4. Where the tape measure first hits fiberglass on the top outside edge of the stern cutout, the measurement should be 37' 4 1/2" (Figure 2).

5. Adjust your headstay accordingly to get this measurement.