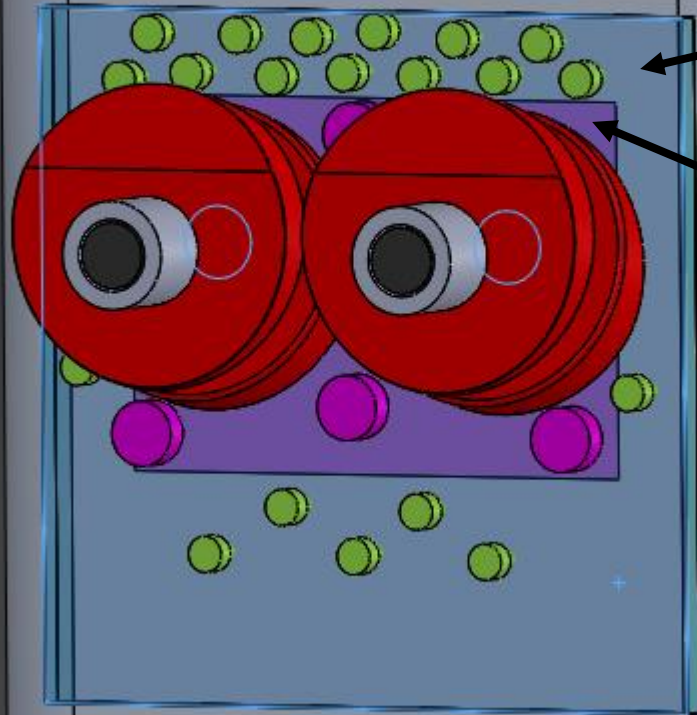


Two each of 2 new parts need to be made, but they are easy rectangles w/ drilled/tapped holes



$\frac{1}{4}$ " plate (steel/ss could be used?)

Transparent in this picture

Holds new assembly to mast

Leaning towards aluminum because it's thicker than the mast anyway

Purple compression block replaces damaged compression tube and buckled mast section entirely. Will use aluminum

Lots of bolts

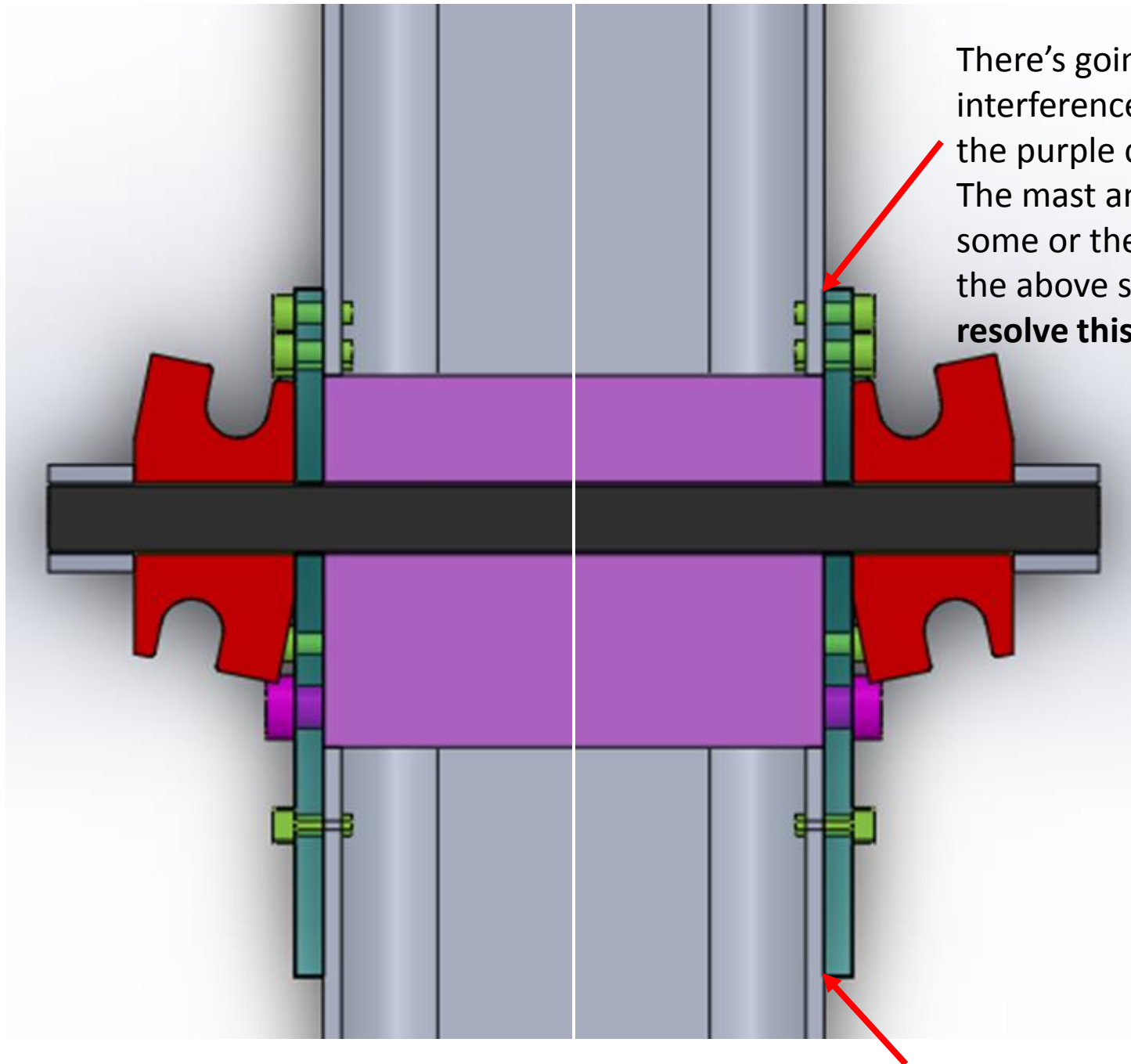
No room up here, spreaders

10-32- these are concerning, wish I could fit more

5/8-16

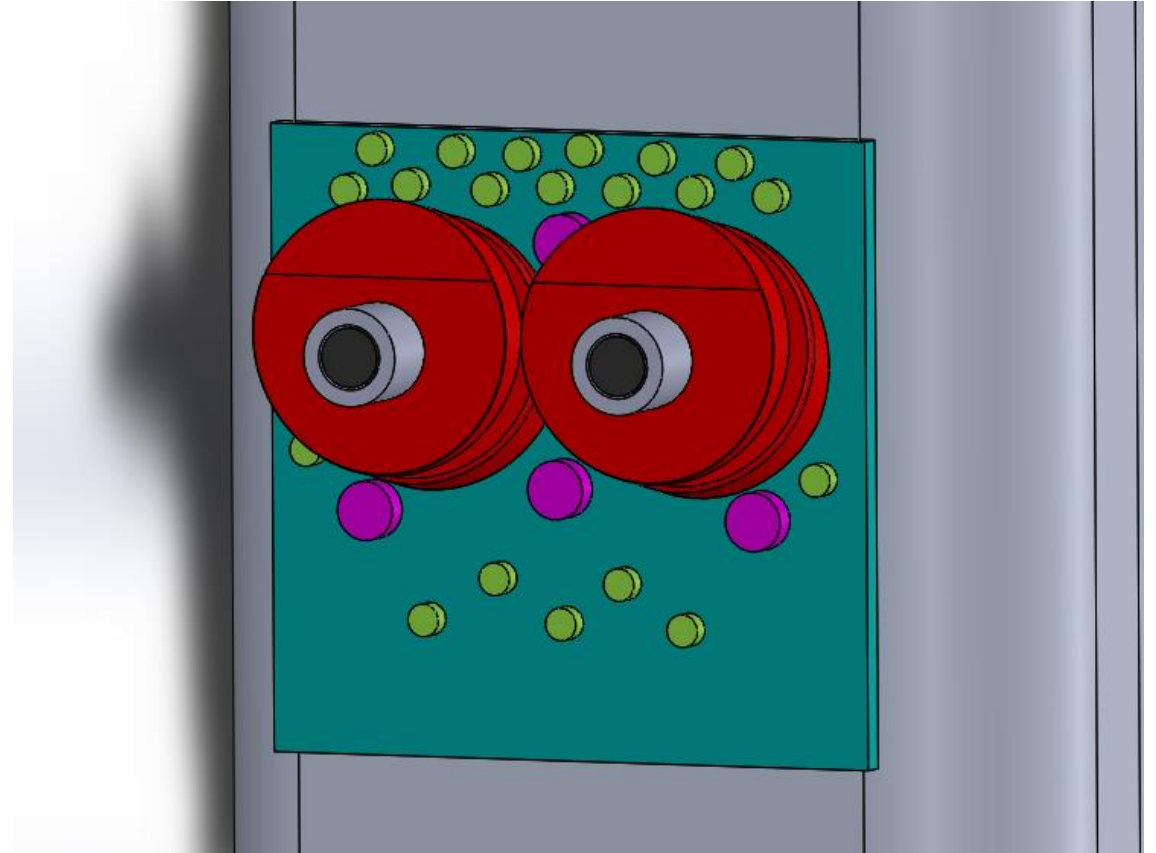
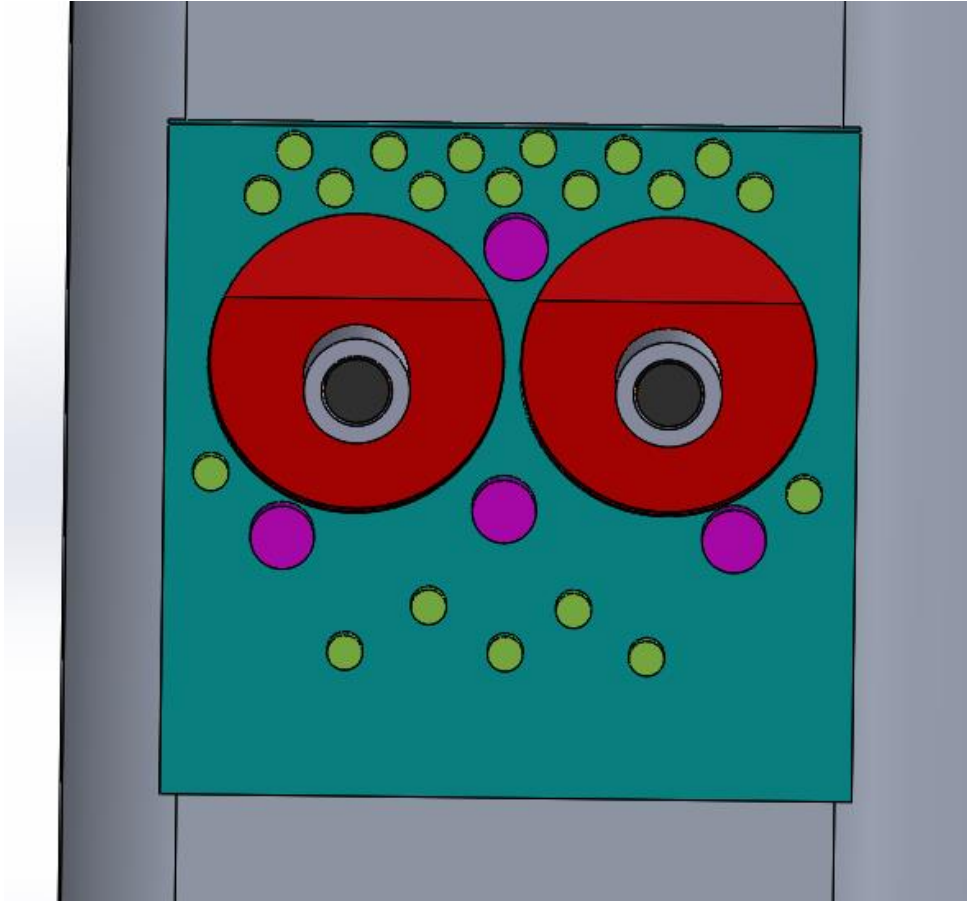
3/8-16, I consider these ones bonus because the 1/4" plate is already clamped by the hangers and 5/8 bolt

I would like to fit more fasteners /better spacing, limited by the spreaders and the curvature of the mast  
Ideas to fit more



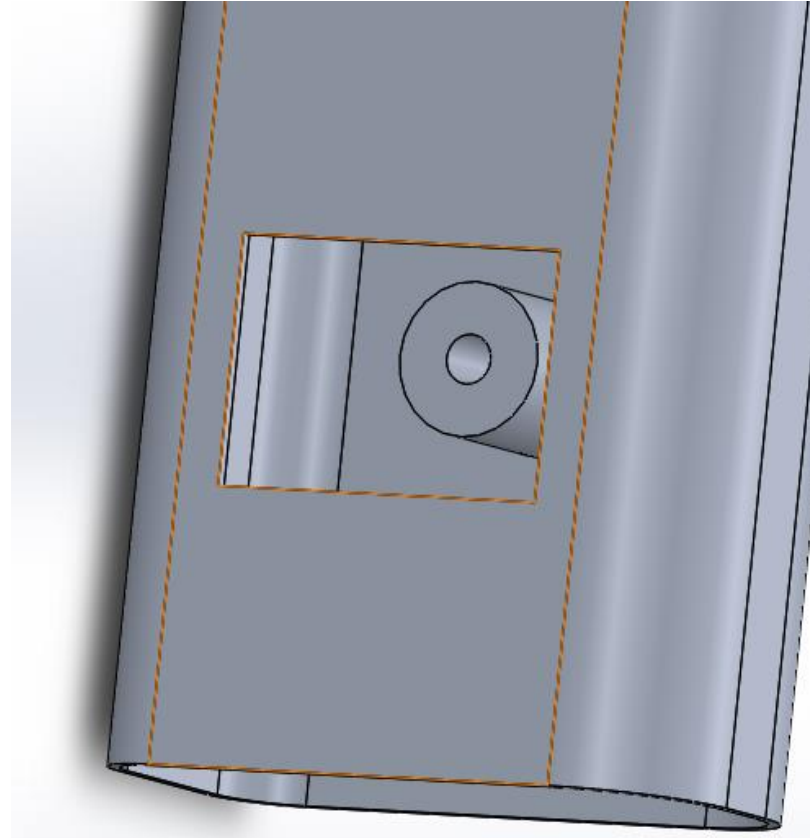
There's going to be some amount of gap or interference here, no matter how accurately the purple compression members are made. The mast and/or  $\frac{1}{4}$ " plate will either deflect some or the bolt's won't close the gap. Any of the above seems bad, **I have no good ideas to resolve this problem**

More views w/ no transparency



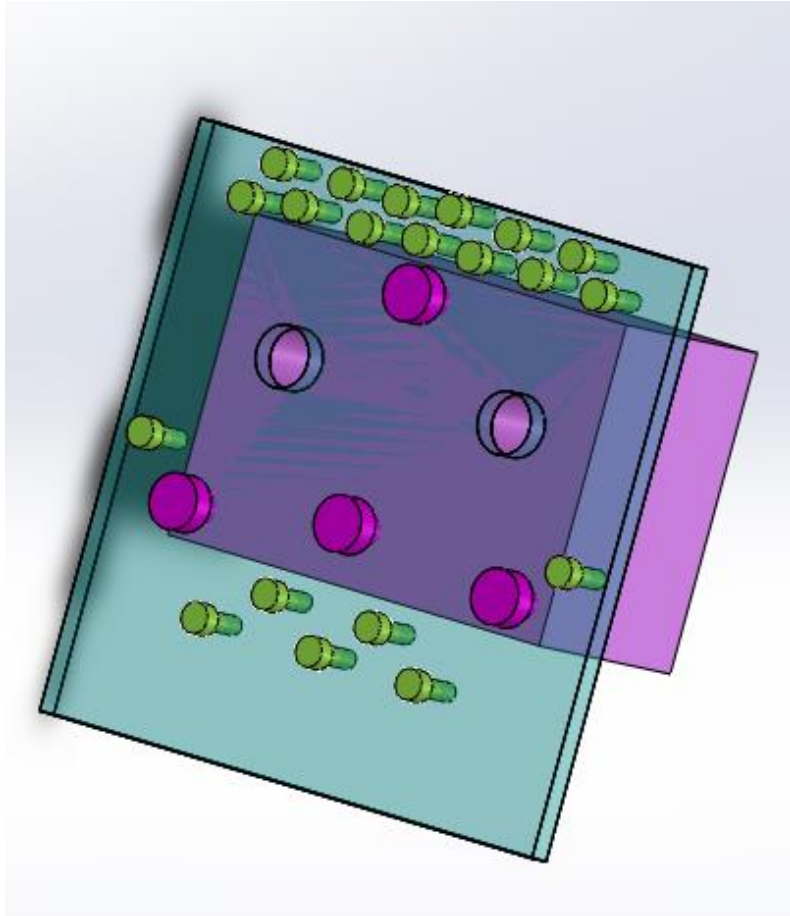
Mast prep looks like this- cut out rectangle  
Precision not required

- Back side compression tube left for reference, but the rectangular cut will be through all



- A little scary to do this with mast up, but on a calm day with remaining rig loosened a bit, hopefully ok

This pre-made assembly bolts in from each side using yellow screws



Before screwing in, can use as a template to drill and tap all the mast holes

# New vs. old compression member

