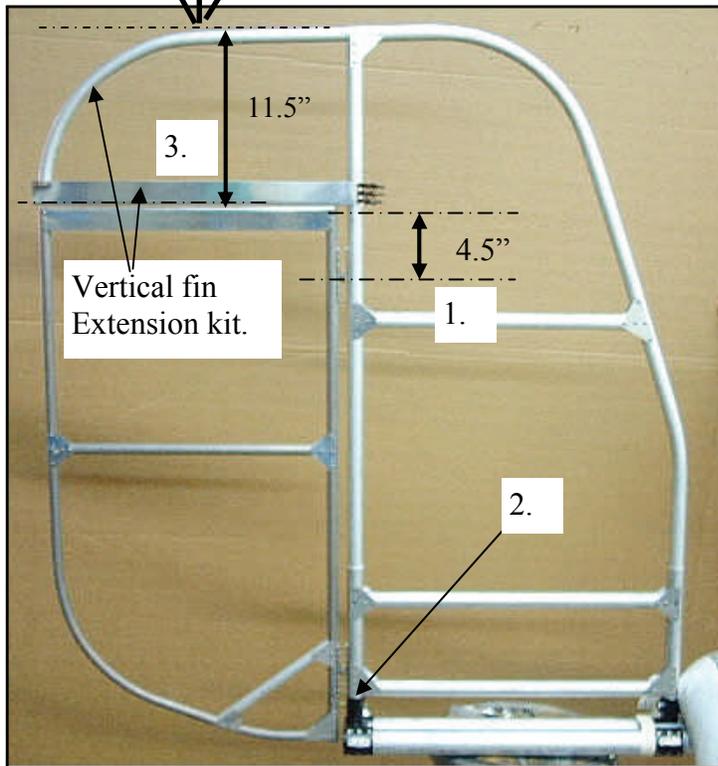


The assembly methods for the XL\65\50 vertical fin are similar to the LSS but the measurement for the U-channel under the "flag" portion of the vertical fin is about 8.5" instead of 11.5".

## **LSS Section 1 Vertical fin assembly**



Be sure to install vertical fin all the way down into the steel tail posts. Make sure the tail posts are clean, free of debris and lightly lubricated with lithium grease. The stab extension should not be attached at this point.

1. Install top hinge assy. on rudder. Centerline of hinge assy is 4.5" from top of rudder frame.

2. Bottom hinge is eyebolt and 2 ST-16-L hinge brackets. See "All models bottom hinge " picture in picture file.

3. Use the top edge of rudder as a guide to install the vertical fin extension.

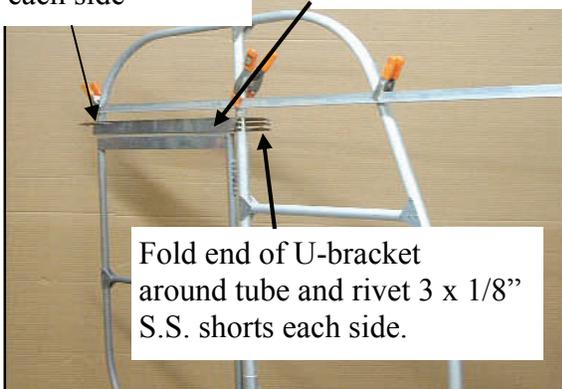
Remove 2 alum shipping rivets and replace with SS 1/8" when ready.



Remove the two shipping alum rivets, de-bur holes and insert extension tube. Adjust the extension tube accordingly to fit in line with the trailing edge of the rudder. Some trimming will be required at the end of the tubing to obtain a good fit.

2 x SS short rivets each side

U-channel bracket



Fold end of U-bracket around tube and rivet 3 x 1/8" S.S. shorts each side.

Clamp a stiff straight edge to the vertical fin and then line up and clamp the fin extension (as shown in picture) on the right hand side (facing forward). This will align the vertical fin assy correctly. Drill 1/8" holes and insert 1/8" SS rivets where the aluminum shipping rivets were removed. Insert the U-channel bracket. Adjust the bracket to be approx 1/4" above the rudder. Drill and rivet into position. Some trimming of the U-channel bracket will be required on the trailing edge.