

Step 4: Make the F-1011E Rudder Cable Angle, as shown in Figure 3, from the length of AA6-063 x 3/4 x 3/4 provided in the kit.

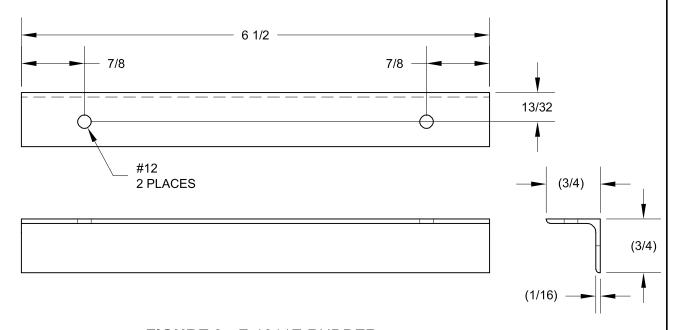
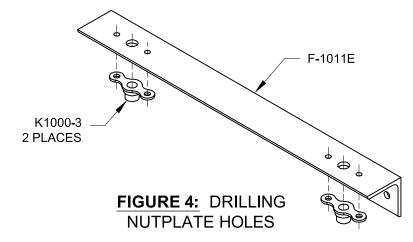


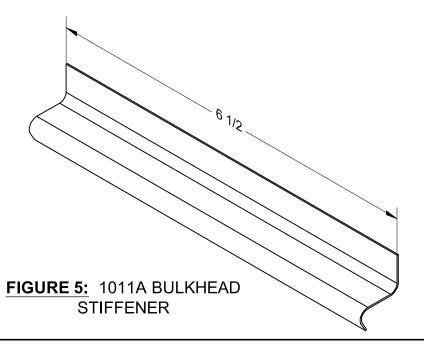
FIGURE 3: F-1011E RUDDER CABLE ANGLE

Step 5: Match-Drill the nutplate rivet holes into the F-1011E Rudder Cable Angle as shown in Figure 4. The nutplates can be temporarily held in place with AN3 bolts while the holes are drilled. Match-Drill one rivet hole and cleco it before drilling the second. This will prevent the nutplate from rotating before the second hole is match-drilled.

Machine countersink the rivet holes in the rudder cable angle for 3/32" flush rivets. Do not rivet the nutplates into place yet.



<u>Step 6:</u> Cut the F-1011A Bulkhead Stiffener, using the dimension shown in Figure 5, from one of the six foot lengths of J-channel provided in the kit. Deburr the edges.



NOTE: The two F-1011C Horizontal Stabilizer Attachment Bars are most likely bowed due to the punching operation used during their manufacture. This bow will have to be removed.

Step 1: Place one of the F-1011C Horizontal Stabilizer Attachment Bars in a padded vice (padded with wood, aluminum, plastic, ...) near one of the ends. Pre load the free end of the attachment bar in the direction required to straighten it and, using a rubber mallet, firmly strike the bar one time near the vice. Slide the bar further into the vice, pre load, and strike the bar again. Repeat this sequence until the bar is straight within a 1/16" along its entire length.

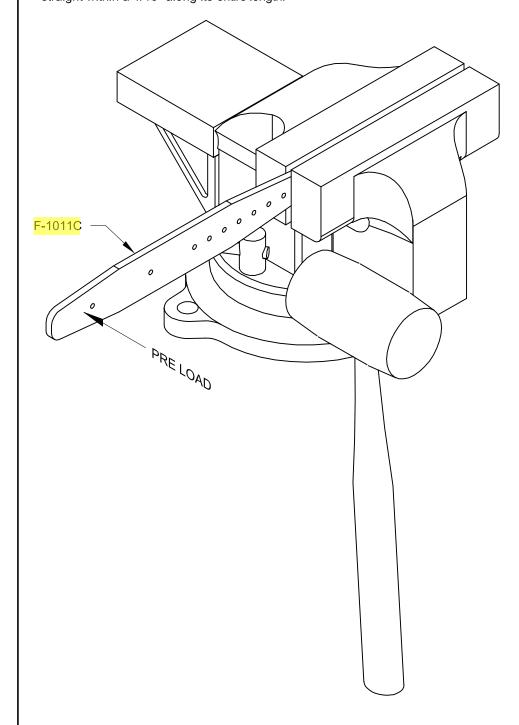
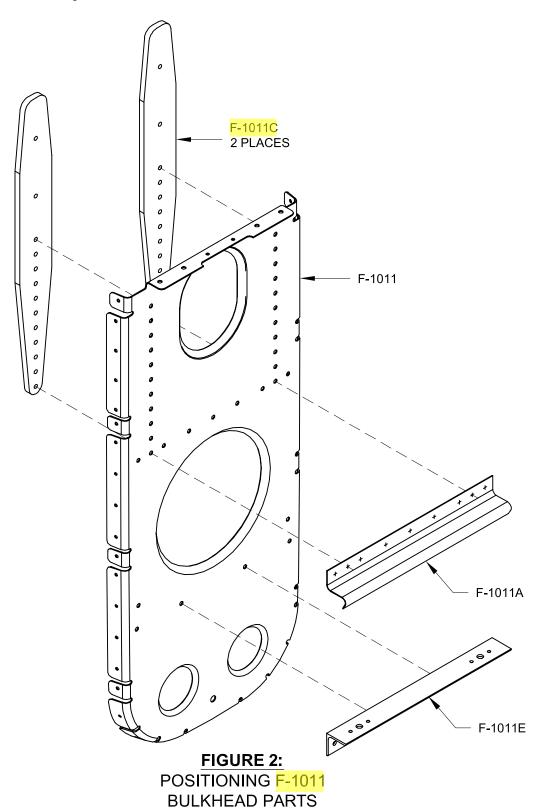


FIGURE 1: STRAIGHTENING THE HORIZONTAL STABILIZER ATTACHMENT BARS

Step 2: Finish the edges of the two F-1011C Horizontal Stabilizer Attachment Bars, then cleco them to the front of the F-1011 Bulkhead as shown in Figure 2. Except for the bottom hole in each attachment bar (the hole shared with the F-1011A Bulkhead Stiffener), final-drill the holes common to the attachment bar and bulkhead using a #30 drill.

<u>Step 3:</u> Place the F-1011A Bulkhead Stiffener on the back of the F-1011 Bulkhead as shown in Figure 2. Center the stiffener between the sides of the bulkhead with the top of the stiffener flange a quarter inch above the holes in the bulkhead as depicted in Figure 3.

Clamp the stiffener in place, then match-drill the holes of the bulkhead (and the bottom hole in the F-1011C Attachment Bars) into the stiffener with a #30 drill. Install clecos while drilling.



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<u>Step 4</u>: Drill the two 1/8" holes indicated in Figure 3 to 5/8" using a Unibit step drill.

Step 5: Repeat Step 3 for locating and drilling the four holes used to attach the F-1011E Rudder Cable Angle. The top of the rudder cable angle is located 7/16" above the holes in the F-1011 Bulkhead as shown in Figure 3.

