

**7V11-4K Rib Channel**

Cut the Rib Channel to length and drill to the rib and wing spar. The channel flange faces forward.



**7V11-4K Rib Channel**

**P10412 Cork Strip**

Cut the cork strips and place on the Rib Channel.



**7V1-2K Wing Rear Rib**

Install the tank into the wing tank bay and mark the location for the fuel drain and fuel outlet. Drill the fuel outlet to 7/8 and open up the fuel drain hole. A step drill or Unibit works very well to drill larger holes in thin material.



**7V1-2K Wing Rib  
7V7-3 Wing Bottom Skin**

Photo of the hole in bottom skin for drain. Hole in the side of rear rib 7V1-2K for the tank outlet,



Cut a hole the same size as the aluminum filler neck in a piece of scrap material. Lay the material over the filler neck and back drill a few holes from the spar and rib. Remove the template and cleco it through the corresponding holes in the wing top skin (7V7-2). Cut the hole in the wing top skin with a fly cutter or snips.



Wing Tank Ground Tab

Before final installation, the placement of the grounding wire is done.



The placement of the grounding wire.



FORM –A-GASKET  
P/N 3D  
Wicks Aircraft Supply  
[www.wicksaircraft.com](http://www.wicksaircraft.com)

SEALUBE  
P/N 09-25200  
Aircraft Spruce  
[www.aircraftspruce.com](http://www.aircraftspruce.com)

Apply sealer on pipe threads before screwing in the finger-screen DX2001 and the nipple fitting F125-4B into the threaded fittings welded on the tank.

Do not use Teflon tape.



**DX2021 Finger Screen**  
**F125-4B Nipple Fitting**

After the wing tank is secured in the wing carefully screw the finger screen and nipple fitting into the tank. Don't forget to apply a quality fuel resistant adhesive to the threads.



Before riveting the top skin on this is a good time to run the Nav/strobe wires. The best location is through the last lightning holes in the ribs.



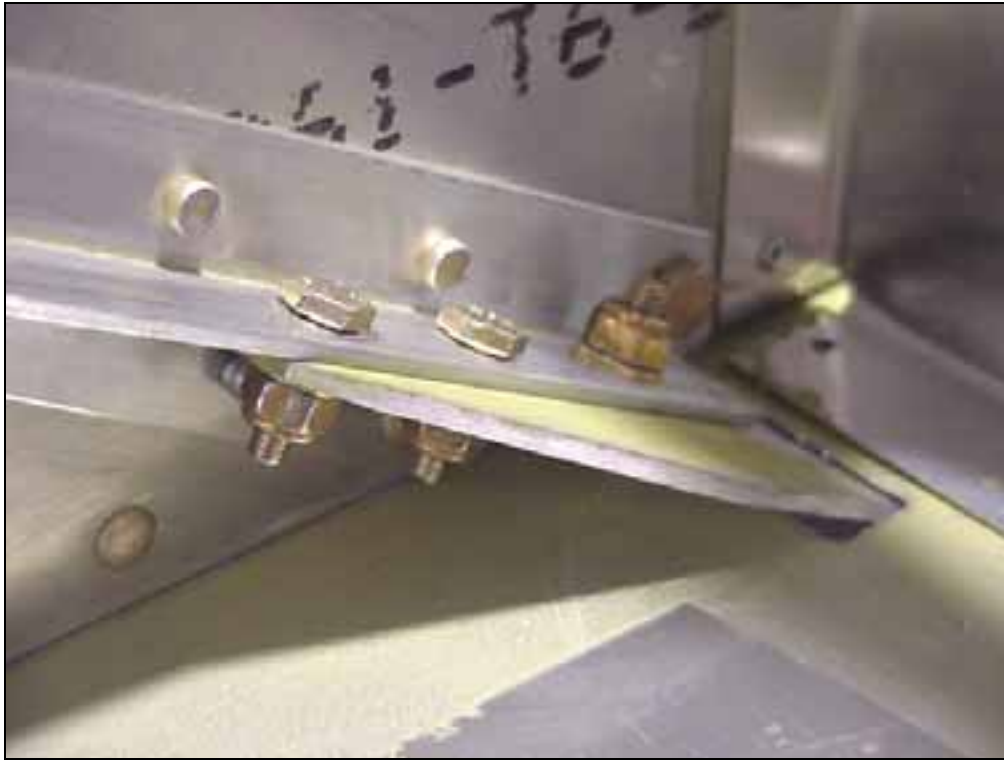
**7V1-2 Rib Wing**

For securing the wires, using a tie-wrap off set works very well. Drilling a small hole above the lightening hole and placing one tie wrap and then one through that one does this. For different installation refer to Standard Aircraft Handbook or any aviation mechanic books.



**7V7-2 Rear Top Skin**

Cleco the top skin and retighten the strap on the leading edge nose skin. Before riveting make sure that the wing is level and there is no twist. Don't forget to bolt the front upper strut fitting to the spar.



**7V2-5 Front Upper Strut Fitting**

Bolt the front upper strut fitting to the spar. The lower bolt will have to be placed upside down for proper clearance from the skin.



**HAND RIVET SQUEEZER**

*US Tool TP116*

Drill and cleco the trailing edge skin with #40. The use of a hand squeezer for the installation of the AN470A-3-3 solid rivet does a great job. Make sure that the trailing edge is straight and that there is no wave. This will affect the flight trim of the control.