

**7F8-7 Floor**

Layout the Floor bottom.



**7F8-7 Floor**

Cut the Floor and file for a smooth finish. Mark the centerline on both sides.



**7F8-8 Bottom**

Mark the centerline and cut the front side to 740mm.

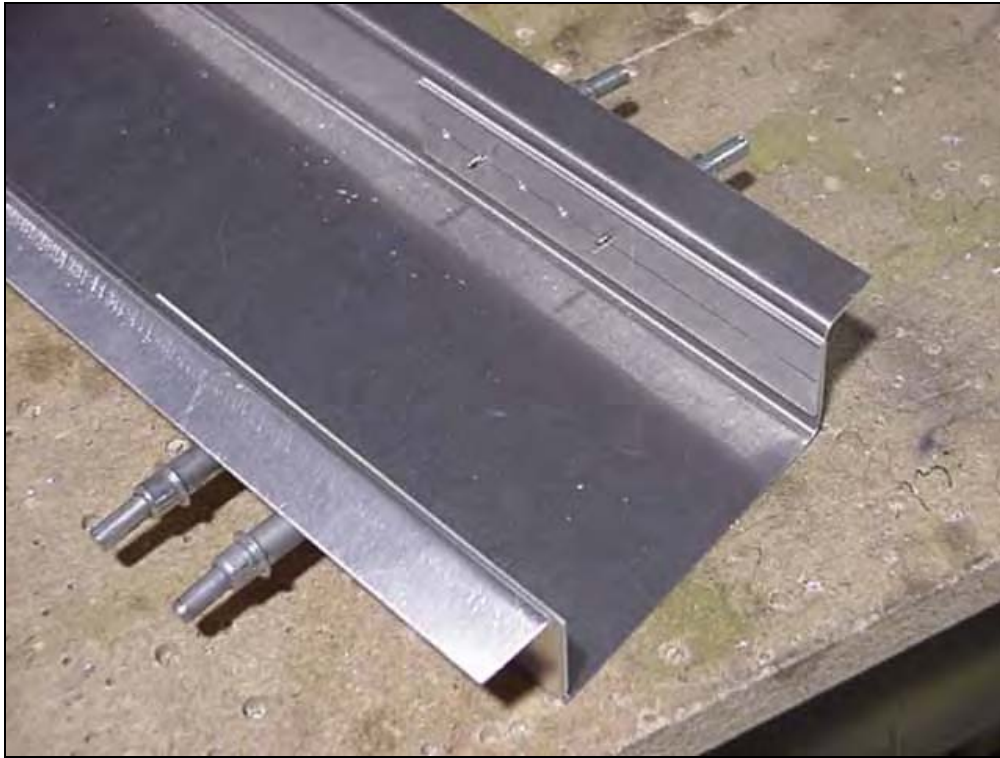


**7F10-1 Bottom Channel**



Trim the Channel and file.

Measure and mark the centerline and the front side of the Channel.  
The front side has the 90 deg. flange and the back section of the Channel  
has an 18 deg flange (dwg 7-F-10).



**7F10-2 Channel Doubler**



NOTE: correction, only 5 rivets are shown in the above photo, correction number of rivets is 6 RIVETS A5

Layout and mark the center line, and predrill 6 holes (this will require an angle drill!)

Position the Channel Doubler 7F10-2 inside the Bottom Channel 7F10-1. Clamp and back-drill.



**7F10-1 Bottom Channel**

Check to see if the centerline is correct.



**7F8-7 Floor  
7F8-8 Bottom**

Position the centerline of 7F8-8 and 7F8-7 together and back drill. Marking a centerline on the workbench table, and centering the Fuselage Floor to the table centerline.



**7F8-7 Floor  
7F8-8 Bottom  
7F10-1 Bottom Channel**

REF: 7-F-10

CHECK: The total distance from the front of the edge of the skin 7F8-7 to the inside edge of the rear flange of 7F10-1 is 1300mm

Layout a rivet line on 7F8-8 with pitch 40. Position 7F10-1 on 7F8-8. Drill and cleco.



**7F11-1 Seat Front**

Layout the cut out on the Seat Front. Layout the grommet locations for fuel line, brake line, battery cable, rudder cable, and pitot tube. Position 7F11-1A and clamp to 7F11-1. Drill and cleco the holes in 7F11-1A.

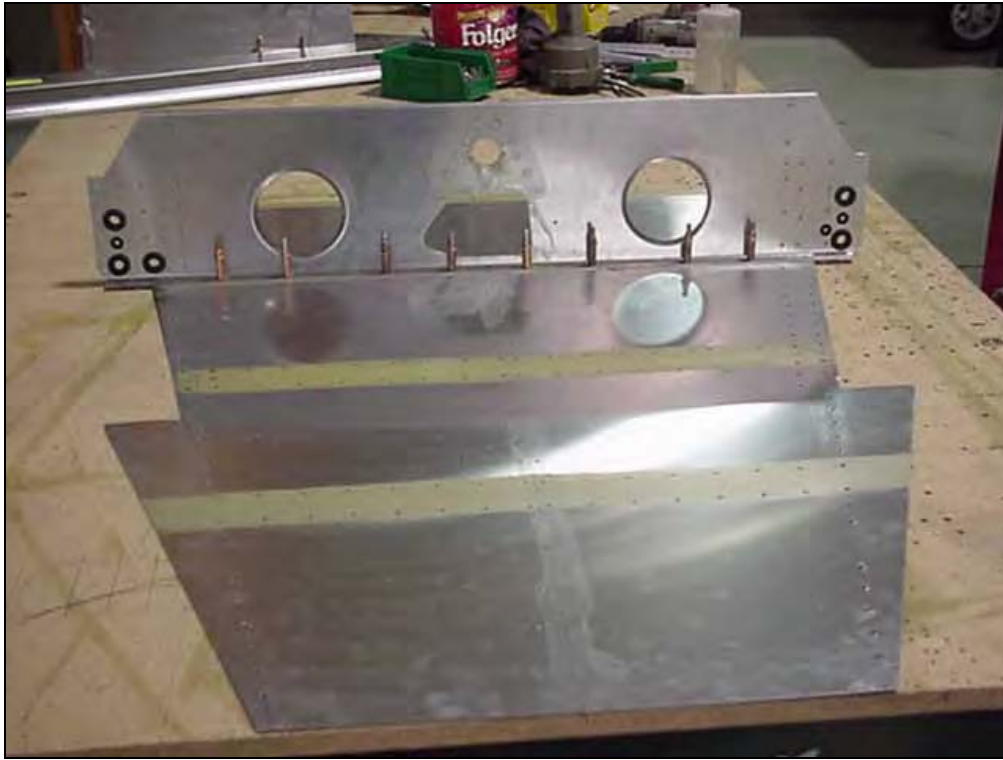


**7F11-1 Seat Front  
7F11-1A Seat Front  
Doubler**

**SUGGESTION:** Wait to drill the rivet line through the L angle on the Cabin side: location A-A on drawing 7-F-9. Rivet line is drilled after the cabin frame is installed Ref Fuselage Cabin Frame Section 10 page 11

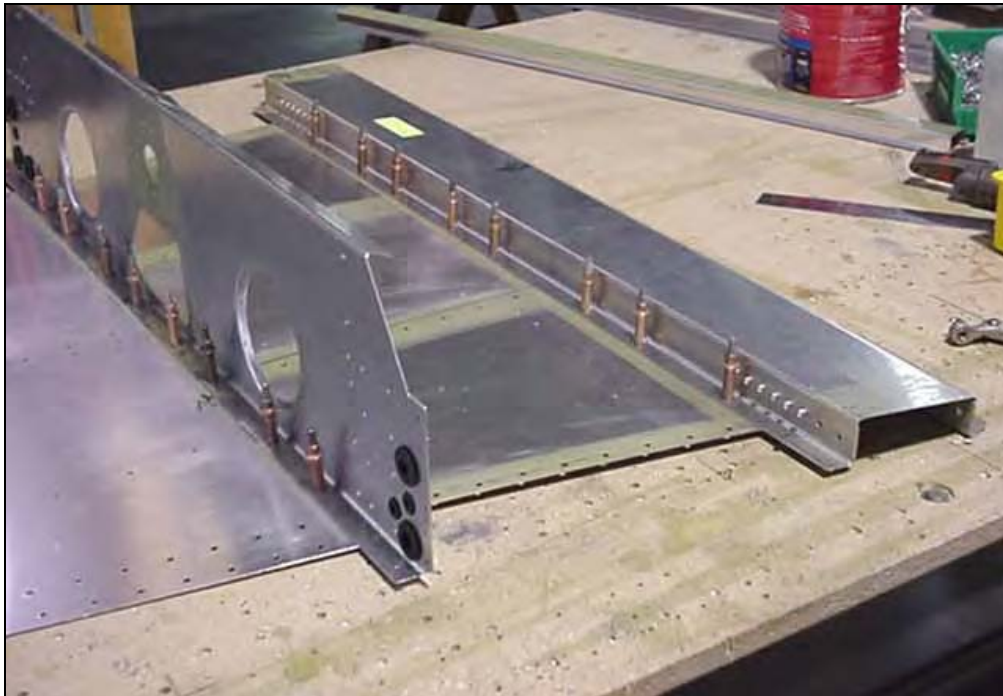
**NOTE:** The width of the firewall at the front of the Front Uprights 7F9-7 and the width of the rear fuselage assembly at the aft end of the cabin side 7F9-1 will set the angle between the side of the cabin side and the floor skin.

Deburr and rivet 7F11-1 and 7F11-1A together.



7F8-7 Floor  
7FR8-8 Bottom  
7F11-1 Seat Front

Locate the centerline on 7F11-1 Seat Front, position and drill.



7F8-8 Bottom  
7F10-1 Bottom Channel



**7F9 Cabin Sides**

Position the Cabin Sides 1L and 1R.



**7F9 Cabin Sides**

Check: The cutout in the Cabin Side is the same height as the Bottom Channel 7V10-1



**7F9 Cabin Sides**

Notice that the Bottom Channel is positioned at the same height as the cut out.



**7F17-1SP Gear/Strut Fitting**

CUT: Trim the end of the rear Channel Pick Up (welded on the Gear Strut fitting 7F17-1SP) to make room for the 6 rivets in the Doubler 7F10-2. Ref bottom left diagram on drawing 7-F-17

Slide the Gear Strut Fitting into the Bottom Channel.

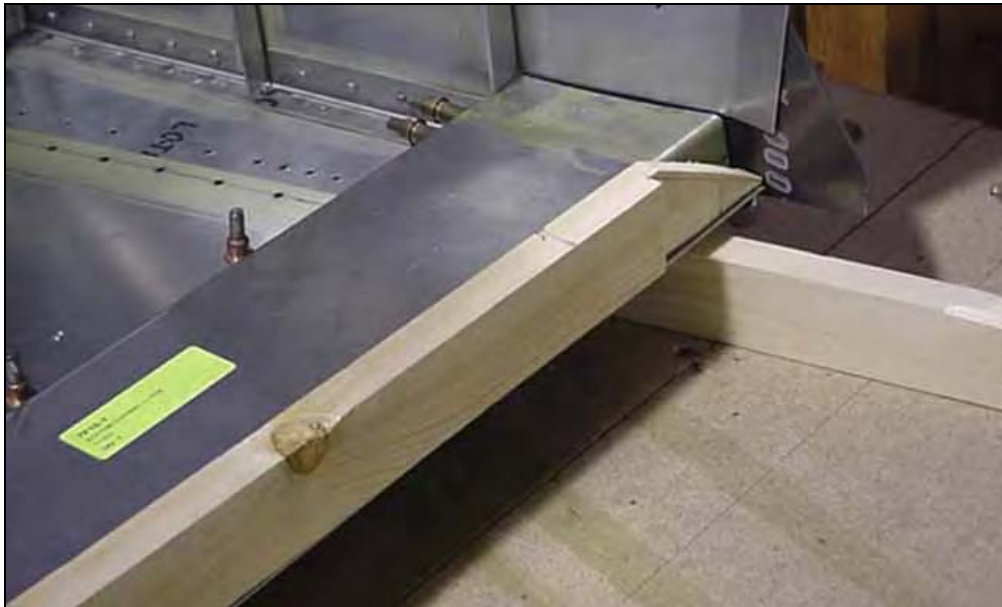




See note at top of drawing 7-F-10

CHECK: 1/8" spacer raises the Gear Strut up from the bottom of the Cabin Sides. The Gear Strut fitting is level with the bottom of the Cabin Side.

It is best to have the Forward Fuselage resting on 1X2 to allow for the Gear/Strut Fitting bolts. Only mark the location of the bolts and rivet in the Gear/Strut Fitting at this time.



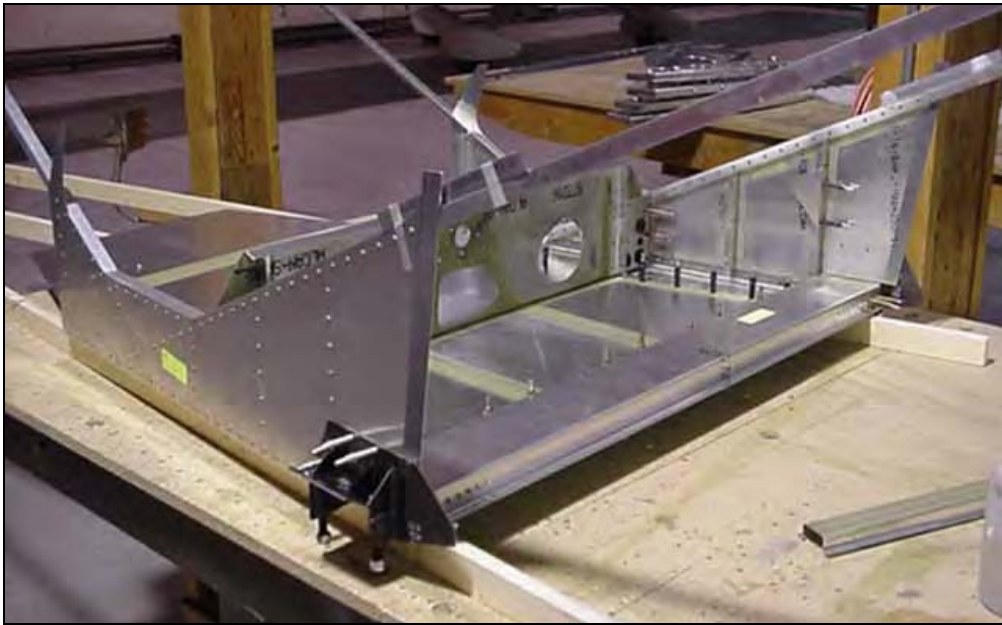
**7F10-1 Bottom Channel  
7F17-1SP Gear/Strut  
Fitting**

Before drilling the Cabin Sides to the floor, the rear and front will need to have the correct width. Measure the Rear Fuselage outside to outside and cut a board as gauge.

The width should be 1044mm on the Rear Fuselage (dwg 7-F-10).



The front of the Cabin Sides will be 825mm from outside to outside.



DISTANCE ACROSS THE AFT EDGE OF THE CABIN SIDES 7F9-1 IS NARROWER AT THE TOP & WIDER ACROSS THE BOTTOM Ref Rear Fuselage uprights Section 5 page 9

Wait to drill the Channel Pick Up (Gear Strut Fitting 7F17-1SP) to the side of the Bottom Channel 7F10-1 until after the Cabin frame is installed, Ref Fuselage Cabin Frame Section 10 page 11

Once the front and rear have the correct width, and the Gear/Strut Fitting has been clecoed to the Cabin Side, the cabin floor can be drilled and Clecoed to the bottom of the Cabin Sides.