STOL CH 801
FUSELAGE CABIN ASSEMBLY

SECTION 4
Front Side Skins

Photo of right inside-
Front Side Skin fits between the front of the cabin side assembly and firewall

Z ANGLE

The front position of the Z angle is to clear the bottom crimp in the firewall.

Cut the length between the firewall and the vertical solid riveted longeron on the front of the cabin sides.

A4 PITCH 30

Drill & Cleco the two end holes, then finish drilling the in between holes.
The rear hole is approximately 10mm in from the cabin side

After drilling remove the 'Z' stiffener.

**FRONT SIDE SKIN
8F14-3**

SUGGESTION:
Wait to trim on the traced outline.

It is easier to work with the skin oversize, trim to size later by tracing along the firewall and cabin frame.

Cut along the aft edge up to and including the joggle (the portion that overlaps with the front of the cabin sides assembly)

On the rear edge of the side skin 8F14-3 there is a small wedge-shaped cut. This is the area in which a bend will be made in order to fit the skin tightly to the inside of the cabin side assembly.

**STOL
CH 801**

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**FUSELAGE CABIN ASSEMBLY
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8F14-3
AFTER
TRIMMING
+ BENDING

8F14-3

Starting from the front of the notch cutout, bend the bottom edge of the Side Skin 90° on a length of 40mm parallel to the bottom edge of the skin.

The bottom of the skin is bent to fit inside the cabin frame: bend the skin over the edge of a board with the same bend radius as the cabin side assembly, R=4mm

8F14-3

025 ALCAN

For now unclamp the side tubes of the cabin frame from the cabin side.

Slide the aft edge of the skin between the cabin side and the front cabin side Longeron.

Slide the bottom of the side Skin 8F14-3 between the Cabin floor skin and the bottom of the cabin side.

With the side skin located and pulled tightly into the corner of the cabin sides, drill and cleco this hole first.

Photo to show the alignment of the aft edge of the side skin 8F14-3 is flush and parallel with the vertical angle riveted on the cabin side assembly.

The skin in this photo is not in its correct position under the floor skin.

This photo shows how the aft edge is flush with the extrusion.

Use a wood block to push the 90° bend in the side skin in the corner of the cabin side assembly.
Back drill the corner hole from the bottom & cleco as shown in the previous photo.


Clamp the top of the side skin to the firewall.

Drill and Cleco the bottom of the cabin side skin through the pilot holes drilled in the cabin floor skin for the Z angle.

ALIGN 2ND STAND Z WITH EDGE OF 8F8·7

8F14·3

The second Z angle is installed flush to the edge of the cabin floor Skin.

A4 PITCH 30

Wrap the skin around the edge of the firewall and install the second std 'Z' as indicated along the edge of the floor skin.
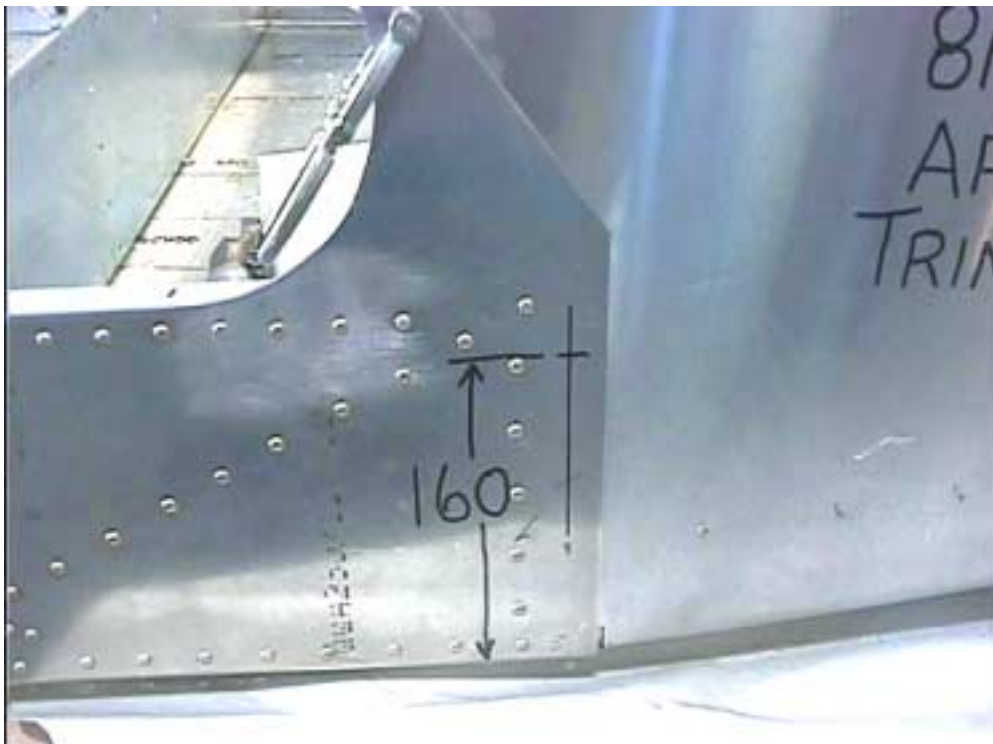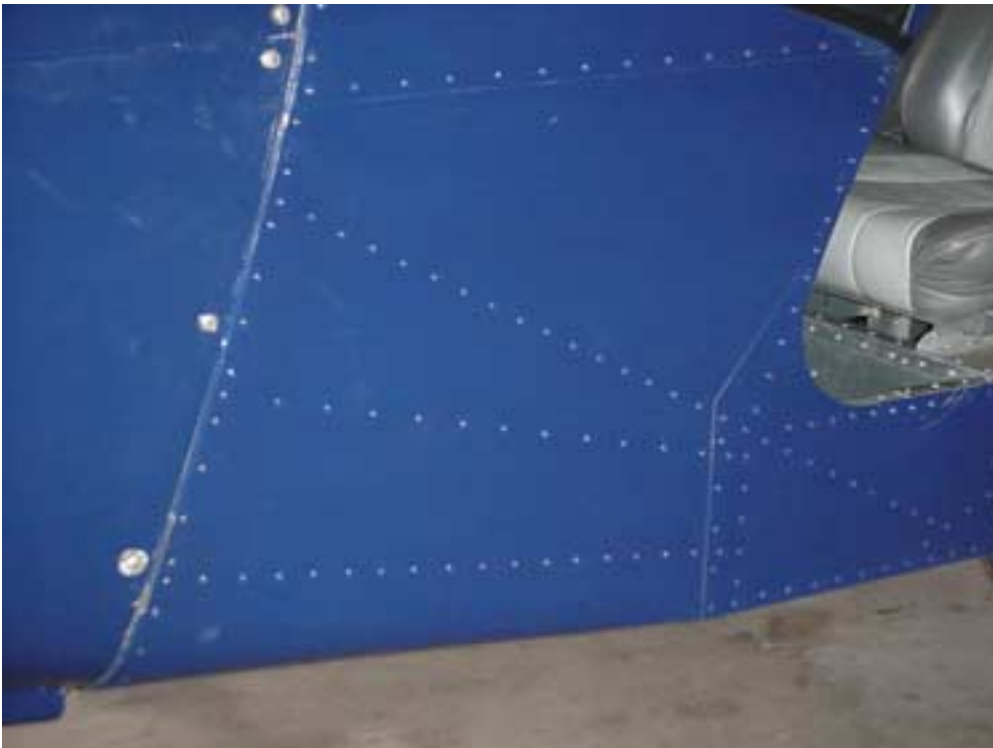

Location of the rivet line for the third stiffener Z Stiffener. 160mm up from the bottom, 10mm in from the front edge of the cabin side assembly.

At the firewall, measure up 160mm from the rivet line of the second Z Stiffener. (Approximately midway between the cabin side front Longerons and the second Z Stiffener)

The third Z Angle Stiffener

Rivet line for the second and third Z angles; rivet line for the forward cabin side longeron is drilled in the next section.