

**STOL CH 801  
FUSELAGE CABIN ASSEMBLY**

**SECTION 10  
Cowl Strip**



**LOWER COWL STRIP  
DOUBLER  
8F14-2**

Mark the rivet lines along the top, bottom and aft edge of 8F14-2.



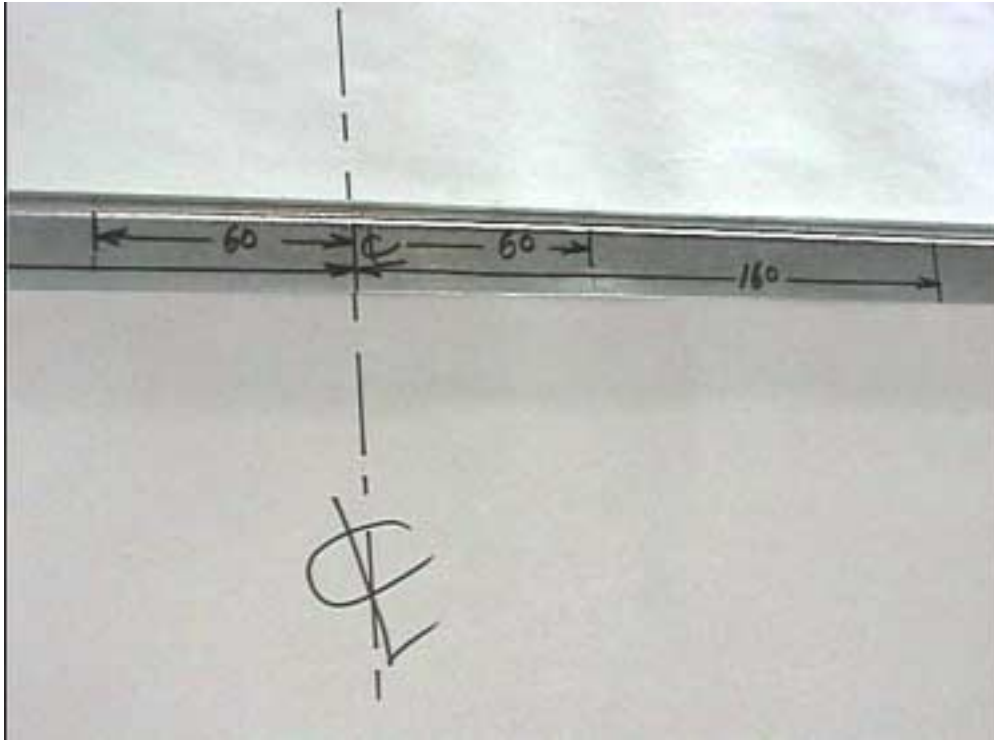
Locate 8F14-2 on the inside of the side skin with its lower rivet center line aligning with the rivet holes previously drilled in the centrally located Z stiffener shown.

Drill 8F14-2 through these holes as well as the holes in the firewall flange. Also drill two additional rivet holes along the edge of 8F14-2 into the side skin.



The joggle (bend) is towards the inside.

8F14-2 installed.



**COWL STRIP  
8F14-1**

Galvanized steel (same material as the firewall).

The cowl attachment strip is formed to fit the firewall by crimping its flanges. The following chart lists the location of each crimp. Find the center of the strip and measure each side of center to plot the crimp locations. Do not place a crimp on the centerline.

**small flange = 20mm**

60, 160, 240, 285, 320, 460, 495, 545, 590, 635, 1000, 1035

**large flange = 28mm**

same as small flange except omit the crimps @ 60, 590 and 1000  
and add crimps @ 25, 80, 355, 385, and 415



The small flange rivets to the firewall

Drill corner relief holes at 355, 385 and 415 on the small flange (the locations of the holes crimp the strip to shape).  
Cut the notches





The cowl strip is set approximately 3mm back from the edge of the side and top skins.



Note: The crimps bend up away from the firewall.

Drill #20 additional holes in the heavy 'Z' 8F7-7



Drill and rivet the cowl attachment strip in place. Rivet pitch is a nominal 40 worked around the crimps. Rivets are A5.