



GAS SPRING
P/N 9416K12

EYELET
P/N 9416K84

Screw the eyelet at the end of the gas spring.



Drill 1/16" holes for the cotter pins



Detail of left side: washer
and cotter pin.



Insert the eyelet and washer. Mark the center of the 1/16" hole for the cotter pin.



Hold in vise.
Center punch.



Drill 1/16" hole for cotter pin.



Install the cylinder.



Drill the canopy side frame.



With the canopy frame in the open position, measure the angle between the fuselage longerons and the canopy frame: approximately 66 degrees Ref. top left diagram on drawing 6-C-2



CHECK: left and right canopy frame line up (in open position). Small adjustment can be made by turning in or out the eyelets.

IMPORTANT: When removing the canopy frame from the fuselage, first remove the gas spring before trying to remove the AN4 pivot bolt.



Canopy side in the open position.
For reference, trace the front side of the canopy side frame on the panel side angle.



Measure distance to firewall rivet line, distance is used to make rough cut in the forward top skin.



A4 PITCH 40
Ref. 6-C-1

Layout the rivet line on the instrument panel flange. Mark the center hole on the aircraft center line. Check that the rivets miss the crimps. Pre-drill with pilot holes.



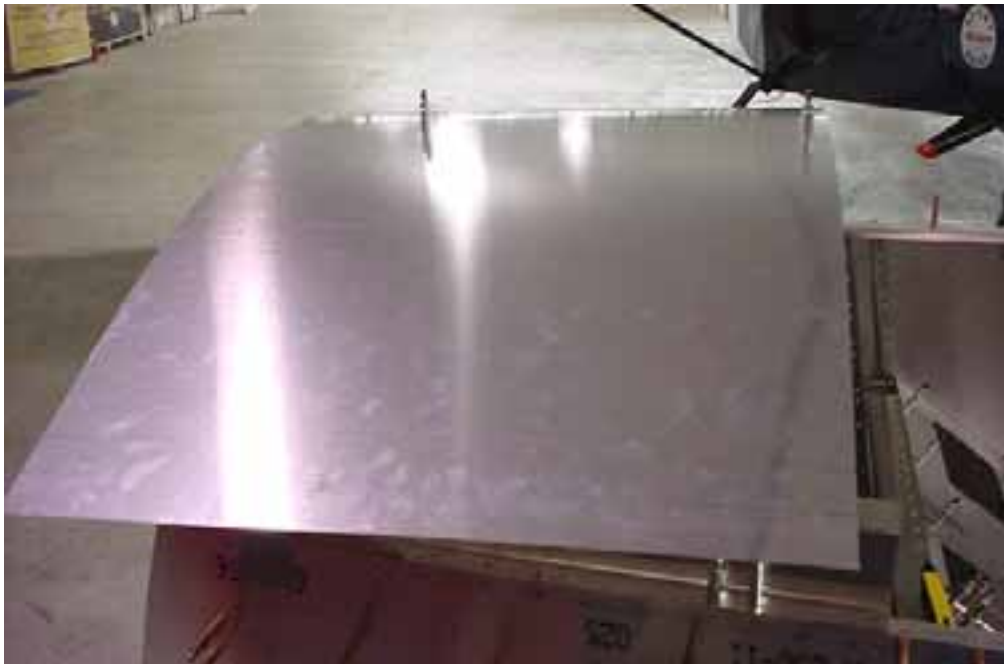
A4 PITCH 40
Ref. 6-C-1

FIREWALL: Layout the rivet line on the firewall flange. Mark the center hole on the aircraft center line. Check that the rivets miss the crimps. Pre-drill with pilot holes.

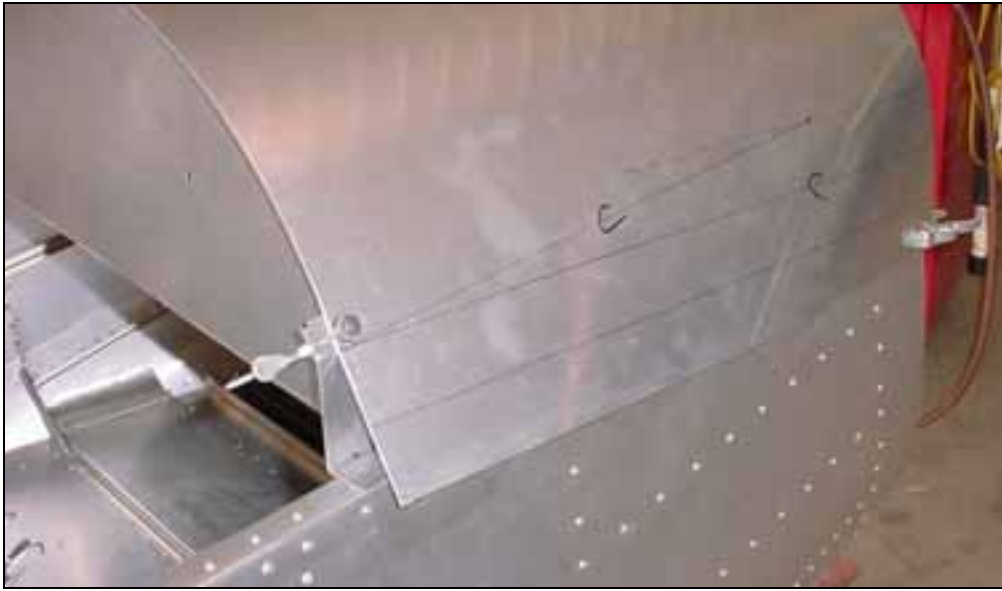


**BOTTOM BRACKET
6C2-2**

Pre-drill the holes on the aircraft center line, Ref. bottom middle diagram on drawing 6-C-1



Cleco the forward top skin to the instrument panel and firewall.



Clamp one side. Open the other side and reach in to back drill the skin through the pre-drilled holes in the instrument panel and firewall.



Drill and Cleco the second side.



Layout the cuout on the sides.



Drill and Cleco the to flange of the side panel.



Drill and cleco the top flange of the panel side angle 6C1-1 to the forward top skin 6C1-4



66 degrees.
Cutout. For now leave the cutout at the front oversized. It will be trimmed aft the side cover 6C3-6 is installed.



Repeat for the left side.



6C1-4