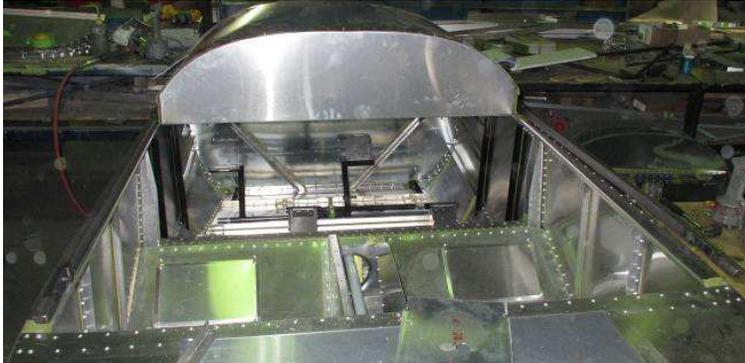


## CH 650 CANOPY INSTALLATION

This series of Photo Assembly Guides is to be used in conjunction with the Drawings for the Zodiac CH 650 kit aircraft.

There are 8 Sections to this series (see page footers for details)



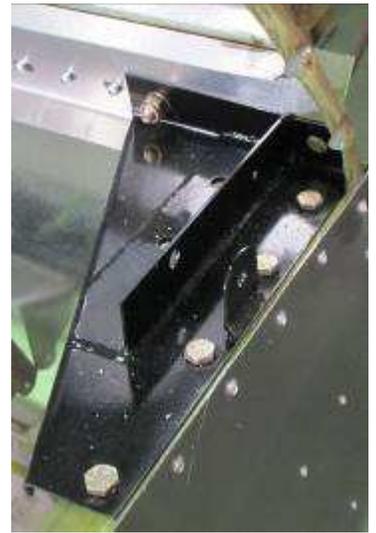
Check that the hinge hole in the side frame is oversized.

Since the distance across the back of the seat is wider than at the firewall – the hinge hole in the side tube is drilled oversized to compensate for the difference in angles.

The AN4 bolt is loose in the hinge hole.



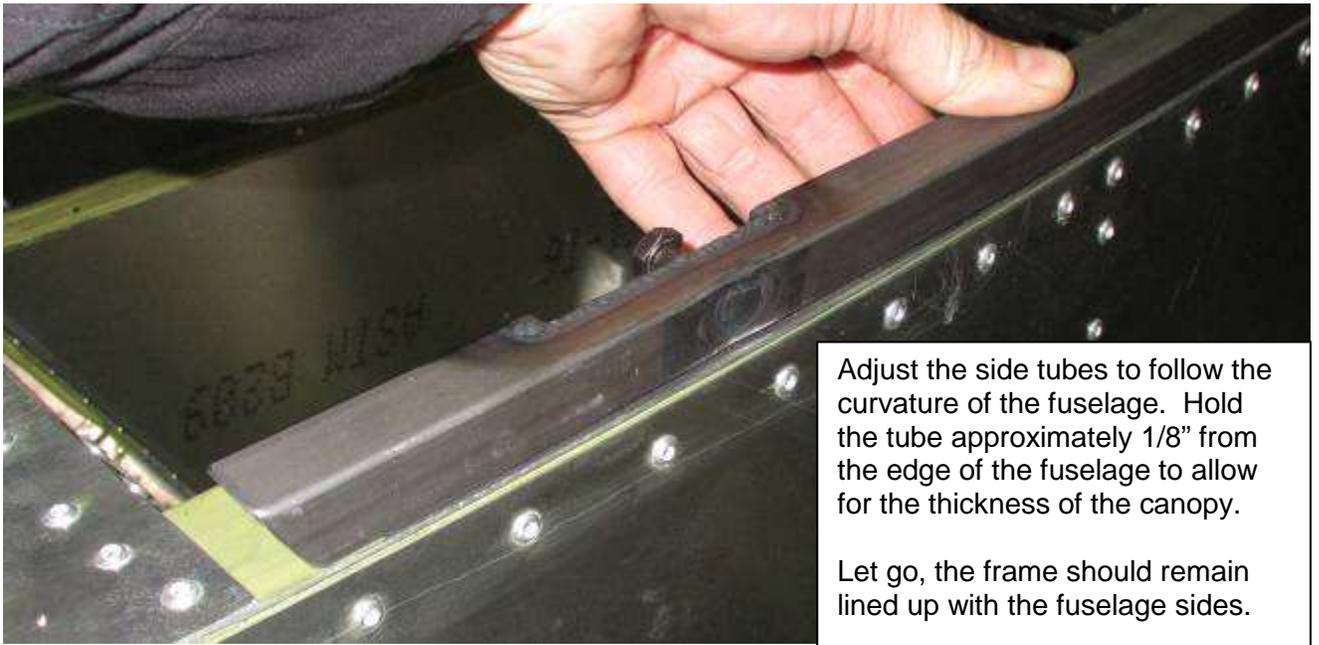
CANOPY SIDE FRAME 65C2-3



NOTE: The hinge hole is drilled square to the fuselage sides.

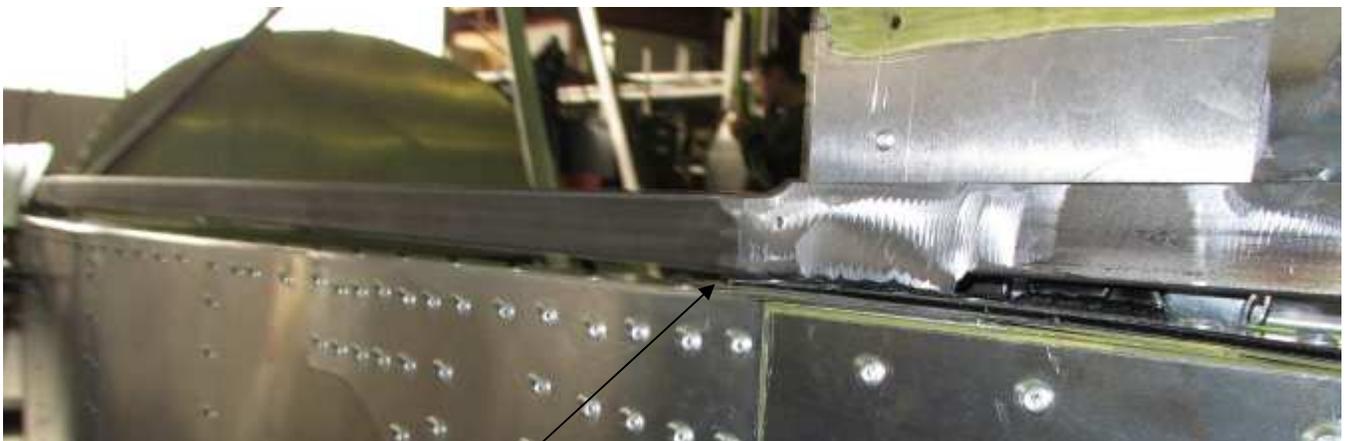


Insert the hinge bolt

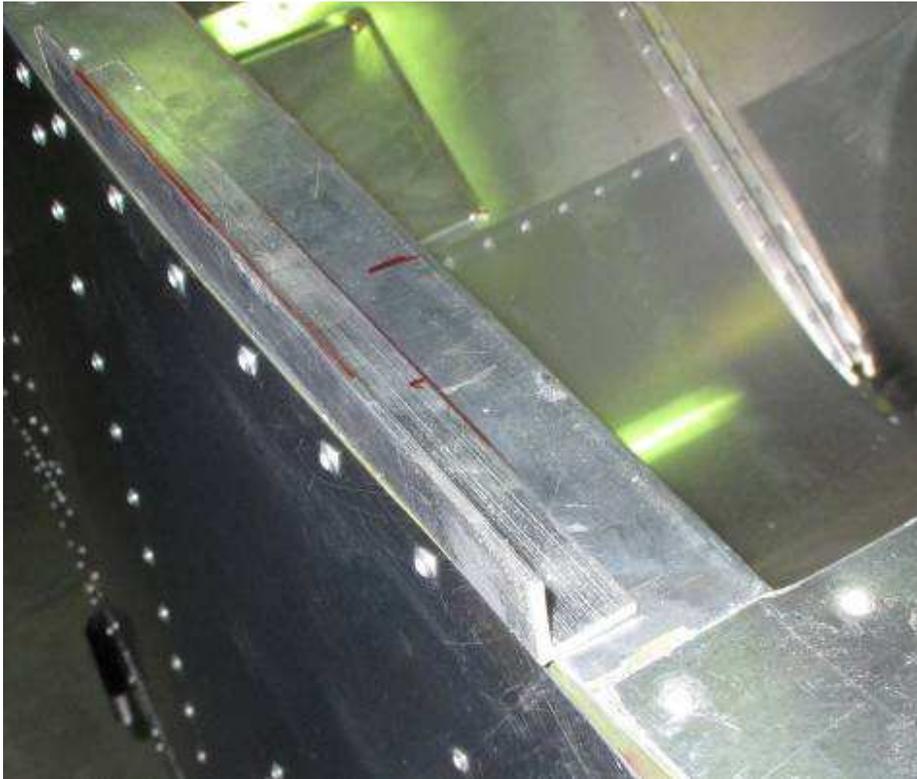


Adjust the side tubes to follow the curvature of the fuselage. Hold the tube approximately 1/8" from the edge of the fuselage to allow for the thickness of the canopy.

Let go, the frame should remain lined up with the fuselage sides.



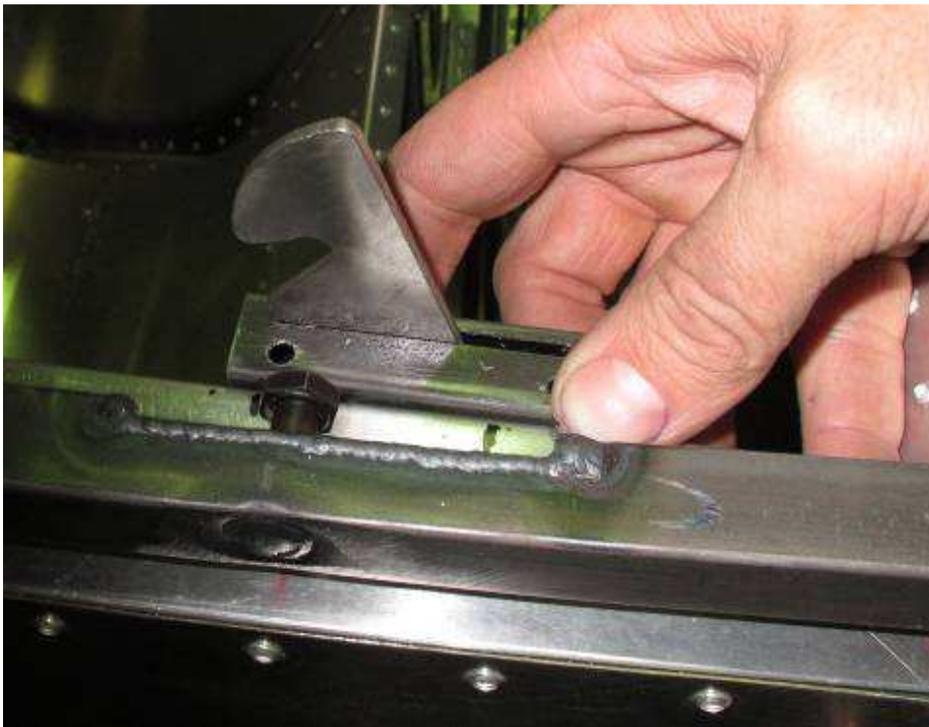
Before the latch is installed, the frame will touch the aft corner of the bottom bracket 65C2-2



Use a piece of  $\frac{3}{4}$ " extrusion to represent the longerons, trace along the I/B edge.



Locate the slot for the latch



Latch in the closed position. Hold the assembly on the inside of the fuselage in line with the welded bolt. Mark the front edge of the latch on the fuselage (aft edge is at 95 degrees, see top middle diagram on drawing 65-C-5).

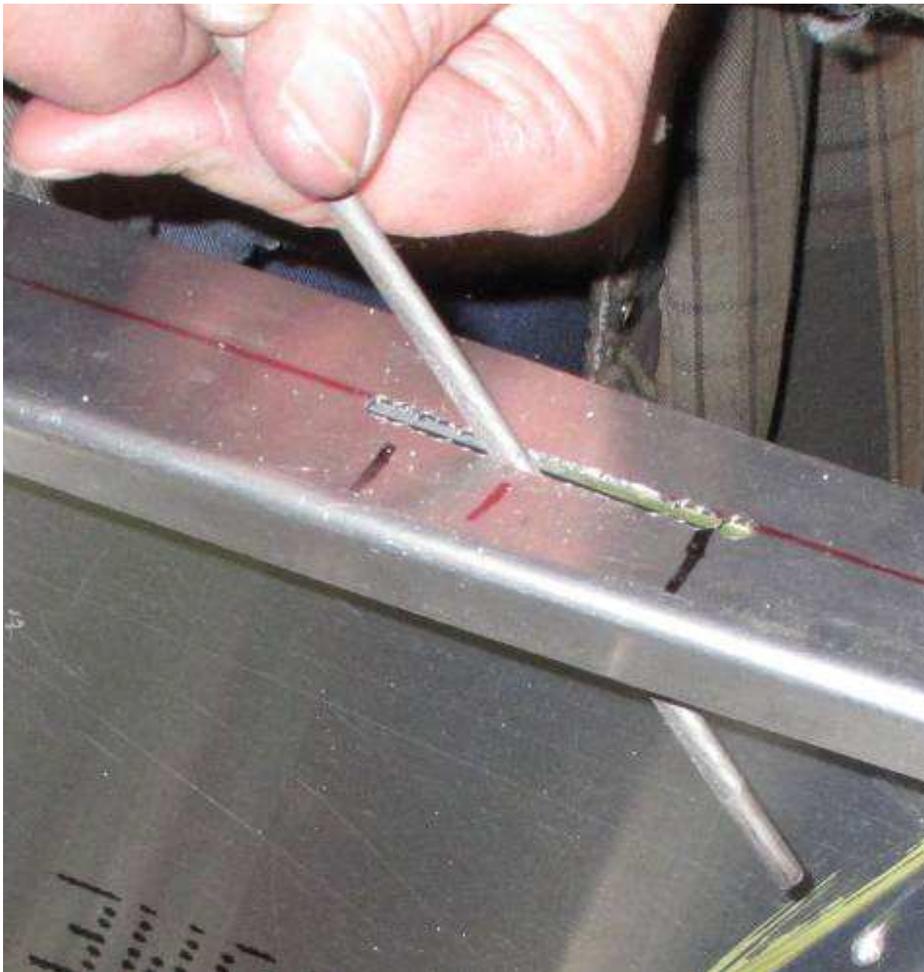


Open the latch and mark the aft edge. The length of the slot is between the closed and open position.



Back drill through the holes in the template.

Drilling template: In a steel plate drilled 3/16" holes on a straight line. Clamp the template to the longeron, check that the I/B edge of the line is visible through the holes.



Use the drill to connect the hole.

File the sides straight.



Mark the position of the latch in the close position



Check that the slot is long enough to swing the latch open.



Clamp the latch to the longeron.

Drill through the pre-drilled hole. Insert and tighten a 3/16" bolt through the first hole before drilling the second hole.



Check that the latch is pushed against the rivets in the side skin.





Counter sink the holes.



COUNTERSUNK MACHINE  
SCREWS  
**MS24693S275**

Stack up 3 washers over each hole. Carefully position the assembly in place and insert the 2 screws.

Don't over-tighten; check that the latch swings back and forth freely.

