



COOLING LOUVER INSTALLATION INSTRUCTIONS:

-NOTE: In order to be soft enough to properly form the louvers, the aluminum used is NOT Structural Grade and should not be used anywhere where this panel is required for the structural integrity of the component. (For example, please do not hold your wing or tail on with these louvers!!!!)

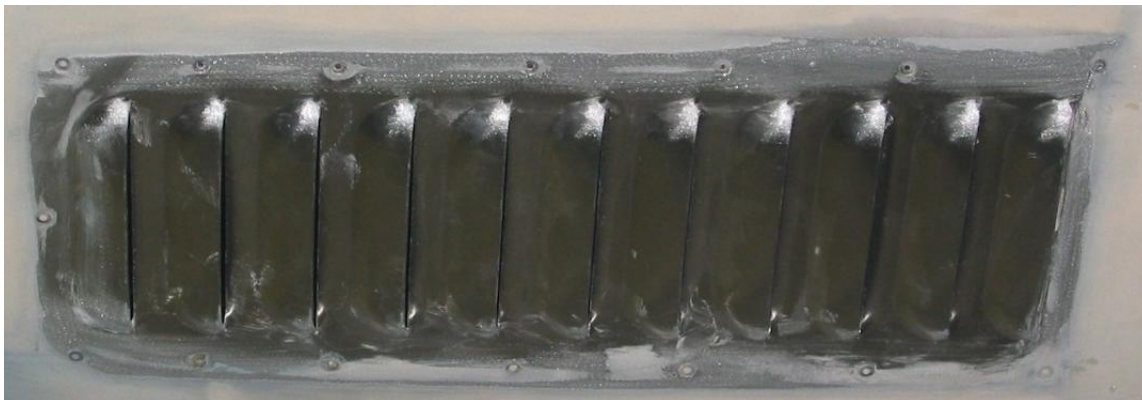
REMEMBER: THE LOUVER OPENINGS NEED TO FACE THE REAR OF THE AIRCRAFT

Your cooling Louver comes in a sheet of aluminum that is 12X5" in size. This allows you plenty of flange room around the edges to trim for your custom application. Please trim around the edges if/as desired to fit your specific application as shown by the solid lines below. We recommend that no less than ½" is used around the louver.



1. Round the edges of your metal plate, if/as desired for a nicer appearance.
2. Rivet and optionally bond your louver in place with Fiberglass. You will need to put rivets all around (including the front and back) to hold the louver flush with the surface it is attached to. (It is normal to potentially need 4 rivets on the furthest aft facing louver flange due to the forming process creating a slightly concave shape) Depending on the level of finish that you would like, you may want to use fiberglass cloth or filler around the edges of your louver to give you a smooth transition to your cowling. This can take a bit of time to get a

nice finish, but you are able to effectively hide your louver so that it looks as if it was originally part of the cowling. Below is a picture of a faired in louver both before and after paint.



Below is a picture of the louvers riveted on and painted over.



Below is a picture of a beautiful louver installation. These louvers were polished along with the aircraft and look amazing.

