

Technical Bulletin

Tuesday, August 25, 1998

Bulletin: Floatfix.doc

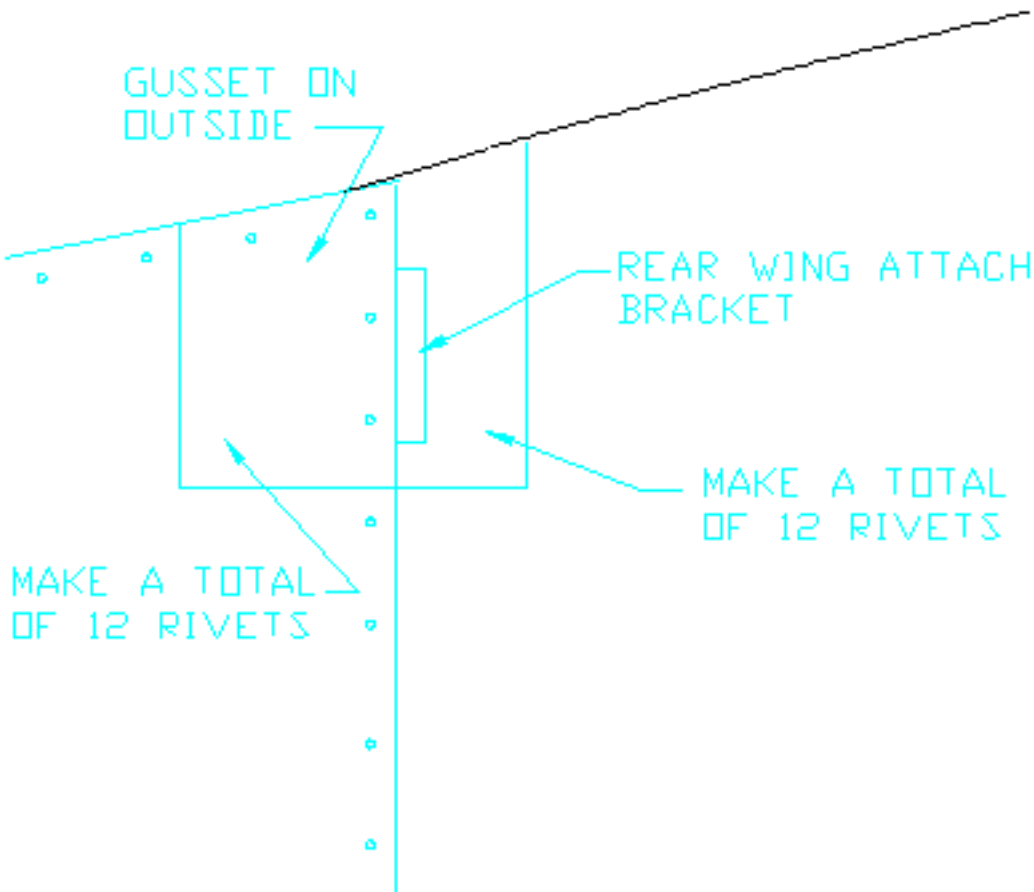
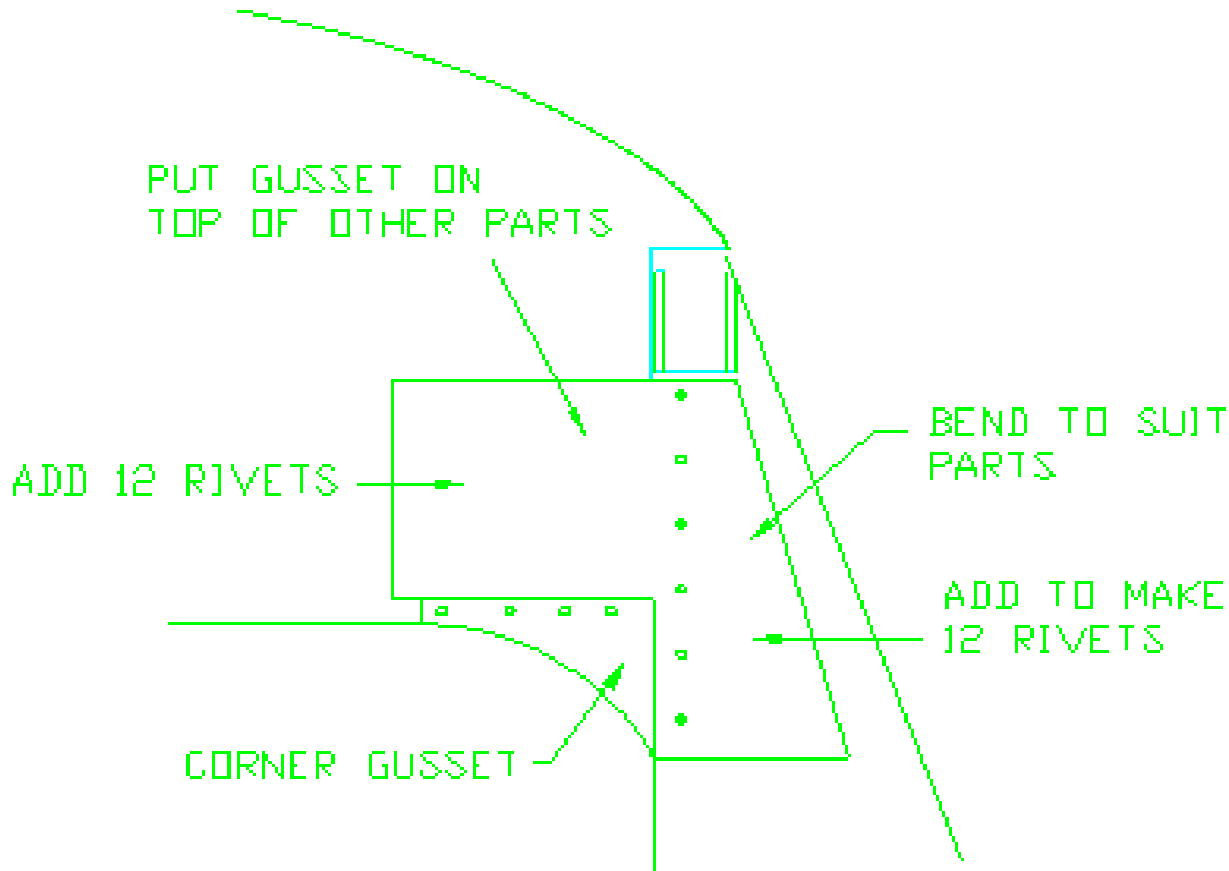
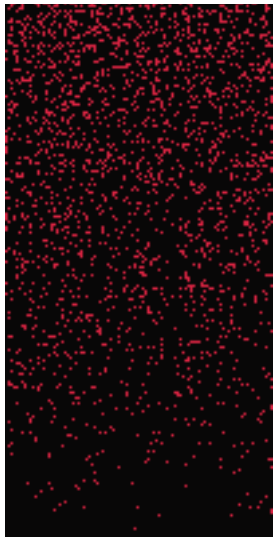
To all Elite and Rebel Builders:

It has come to our attention that aircraft on floats, especially those that put on the larger engines and do not move the firewall back, have developed small cracks on the firewall around the top engine mounts. Also there was slight deformation in the skins around the top of the door posts causing the rivets to shear.

We have come up with two fixes that will solve the problems:

1) Firewall: On the firewall you will need to place a channel across the top between the two engine mounts. A 2" piece of channel should be used to accomplish this. On the existing firewall there are two pieces of witches hat section (FUS-12) that are on the front and back, therefore the new channel must be installed in two pieces with a 6" overlap. One piece of the channel will go on the back of the firewall sandwiched between the top engine mount bracket and the firewall. The other piece will go on the front of the firewall between the engine mount and the firewall. There are already existing parts in this area (dashboard brace, etc.) so you may need to stagger the overlap to one side or the other to accommodate them. Use a nominal 1" rivet spacing to attach the channel and a 3/4" rivet spacing on the overlap.

2) Door Posts: .032" doublers are needed on the top front and rear door post. See figures for the locations and approximate sizes of the doublers. Add rivets so that you get a total of twelve rivets on each side of the overlap on each doubler.



Again, these changes are recommended for those aircraft flying on floats or those contemplating putting their aircraft on floats.

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