



- MANUFACTURERS OF WIPLINE FLOATS & SKIS
- SPECIALISTS IN AIRCRAFT MODIFICATION

1700 Henry Avenue - Fleming Field  
South St. Paul, MN 55075  
651-451-1205

## **SERVICE LETTER: #72**

**DATE:** REV C (Revised April 6, 2006)

**TITLE:** 802 Air Tractor Float Longerons and Float Bracket Repair

**EFFECTIVITY:** All AT-802 aircraft with Wipaire 10000 Floats installed.

**COMPLIANCE:** Service Kits #51 to be installed immediately and #53 is optional. Service Kit #52 is required immediately.

**BACKGROUND INFORMATION:** This Service Letter pertains to the same cracks as Service Letter #71. See Service Letter #71 for details.

**METHOD OF COMPLIANCE:** The final fix can be accomplished by installing Service Kit #51 (if not previously installed from Service Letter #71), and #52. Service Kit 53 has been determined optional and is no longer required.

**Service Kit #51 is required** and consists of cutting an opening at the indicated place in order to have access to the effected area of the longeron and creating a permanent access panel for future inspections.

It is directly associated with Service Letter #71 and must be accomplished immediately.

**Service Kit #52 is required** and must be done for compliance with this Service Letter. It consists of cutting a second panel from the skin and welding in a longer gusset (Figure 2, Item 1, Wipaire p/n 1001559, Air Tractor p/n SK574-2 or customer fabricated according to the drawing instructions).

**Service Kit #53 has been determined optional.** It consists of adding tension wires as shown in Figure 3, Item 1, for load distribution reasons.

Welding and stress relieving should be done according to the instructions from Air Tractor included with Service Letter #71. All work should be done in accordance with AC 43.13. Any other cracks should be repaired in accordance with AC 43.14 and Wipaire, Inc. Engineering Dept. should be notified.

**MAN HOURS REQUIRED:** To be determined.

COMPLIANCE:

YES: \_\_\_\_\_ NO: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

FLOAT SERIAL NUMBER: \_\_\_\_\_ AND \_\_\_\_\_

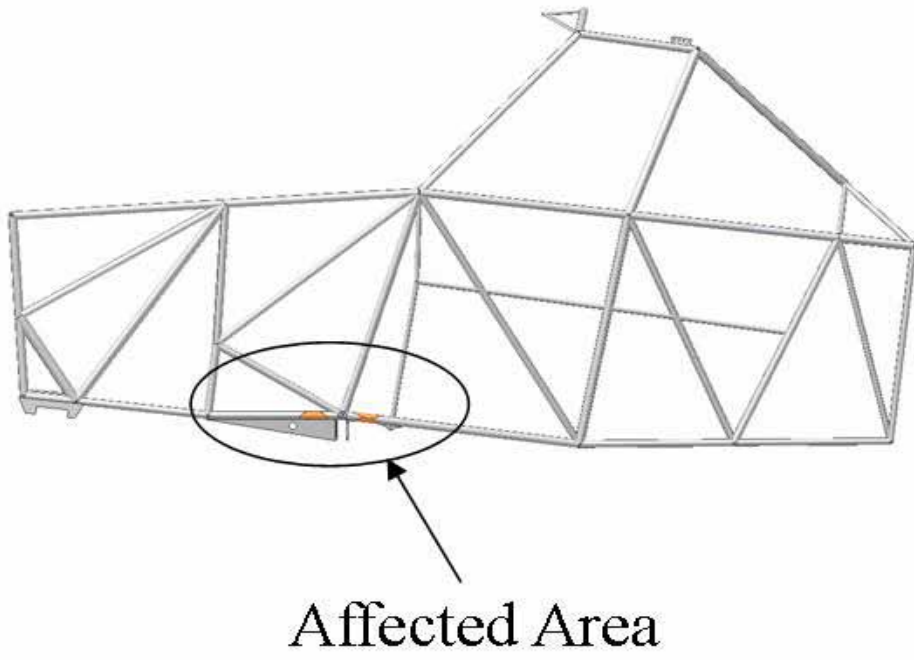


Figure 1

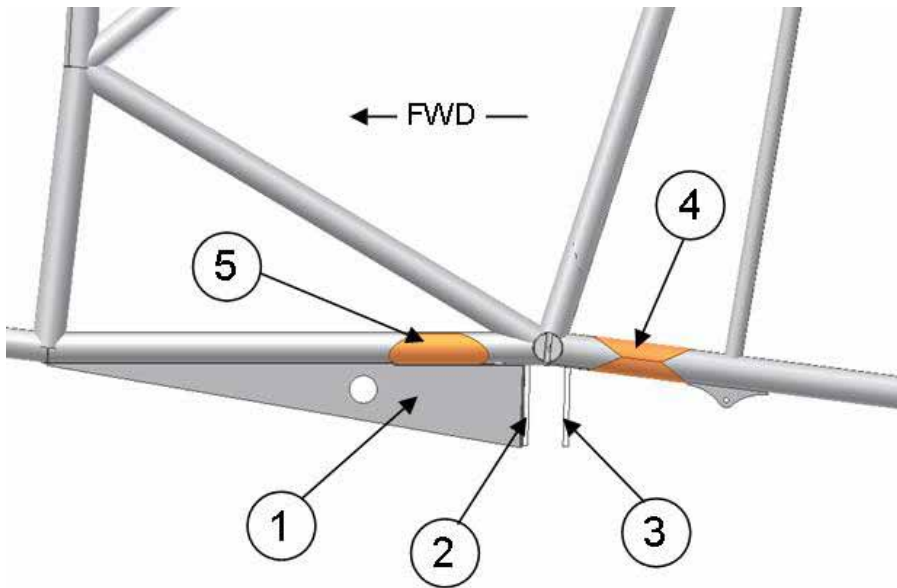


Figure 2

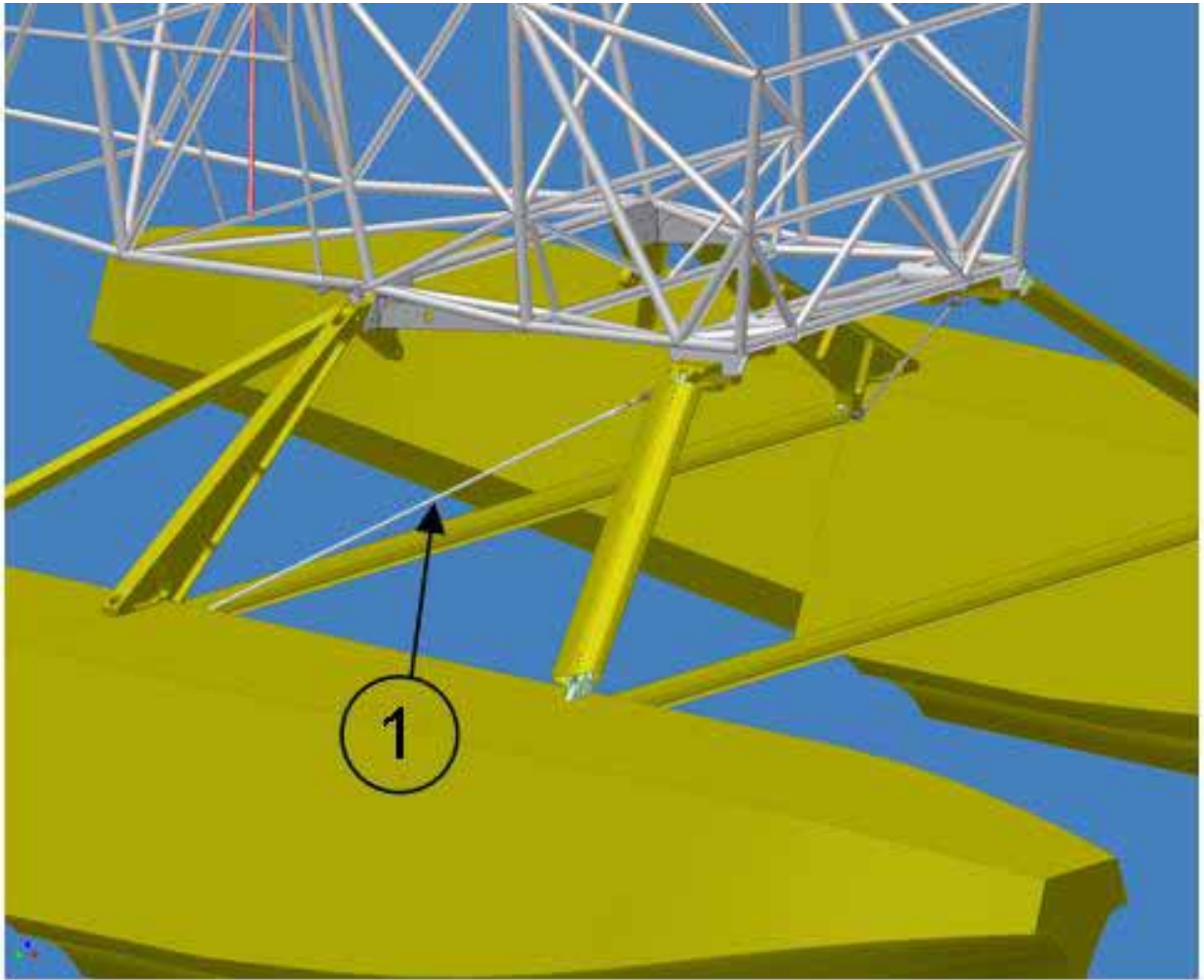


Figure 3



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Small Airplane Directorate  
Chicago Aircraft Certification Office  
2300 E. Devon Avenue  
Des Plaines, IL 60018

June 17, 2005

Mr. Charlie Wiplinger  
Wipaire, Inc.  
1700 Henry Avenue - Fleming Field  
South St. Paul, MN 55075

Dear Mr. Wiplinger:

This letter is in response to your email of June 9, 2005, transmitting the final versions of your Service Letter Nos. 71 and 72. These Service Letters address repairing the cracks found on the welds of the attach plates on the tubes for your float equipped Fireboss 802 aircraft. We have reviewed these Service Letters and have determined that the repairs are adequate to correct the reported problem. Therefore, Service Letter No. 71, Revision C, dated May 26, 2005; Service Letter No. 72, Revision B, dated June 9, 2005; and the associated Service Kit Nos. 50, 51, 52, and 53 are all considered to be FAA Approved. Please keep us informed of the status of the repairs to the aircraft as well as any other issues related to these Service Letters and Service Kits. Since you are modifying all of your float equipped Fireboss 802 aircraft and incorporating the fix into the design, we do not anticipate any further action on our part at this time.

If you have any questions, please contact me at (847) 294-7135.

Sincerely,

A handwritten signature in black ink, appearing to read "Gregory J. Michalik".

Gregory J. Michalik  
Senior Aerospace Engineer  
Airframe & Administrative Branch  
Chicago Aircraft Certification Office