	• • • • •	IUFACTURERS OF WIPLINE FLOATS & SKIS PECIALISTS IN AIRCRAFT MODIFICATION	Rev A Date
	WIPAIRE, INC.	South St. Paul, MN 55075 651-451-1205	3/31/07
Prepared by	Aircraft Make / Model	Float / Ski Model	Page
Ellen Parker	AT-802A	Wipline 10000 Floats	1 5
FAA Reviewed	Title Air Tractor Float Brackett Welding Repair.	S/N 217 & Similar	e
ALL INF	ORMATION IN THIS SERVICE I	DOCUMENT BASED ON FAA APPROVED	DATA

SERVICE LETTER: 92

<u>EFFECTIVITY:</u> AT-802A s/n 0217 and other AT-802As with similarly placed and caused welding cracks.

<u>COMPLIANCE:</u> Repair at next inspection or sooner.

<u>BACKGROUND INFORMATION</u>: One aircraft, shown in included picture, has reported a crack at the point where the weld for the aft float attach bracket overflows past the doubler plate and onto the longeron tube. Only one aircraft has a confirmed crack of this type but any others with a similar crack should be repaired as per this service letter.

<u>METHOD OF COMPLIANCE</u>: Carefully grind the existing weld down to the parent metal of the longeron at the point where the weld for the aft float attach bracket continues onto the longeron. Then the longeron needs welding and heat treatment repair for stress relief as per the included process specification instructions from Air Tractor to be done by an Air Tractor certified welder or equivalently certified structural welder.

SHOP HOURS REQUIRED: TBD

WARRANTY: N/A

<u>COMPLIANCE:</u> As per included drawing and instructions.

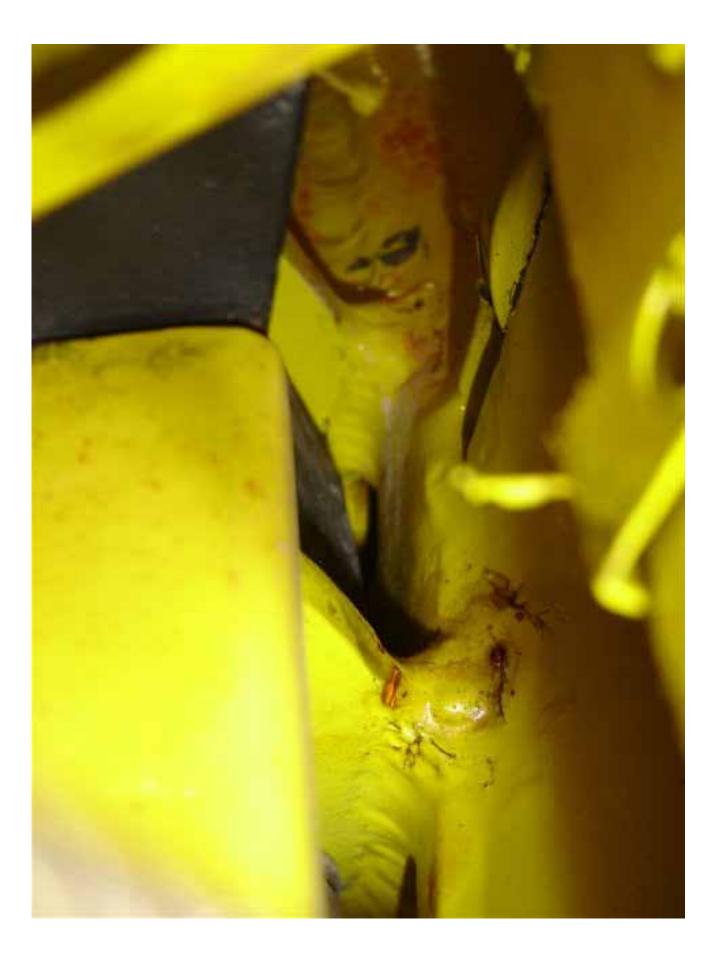
YES:	<u>NO:</u>	
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SIGNATURE:	 DATE:	
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FLOAT SERIAL NUMBER: ______ AND

	SNOW ENGINEERING CO. Wichita Falls, Texas		NUMBER 120 MODEL
TILE	PROCESS SPECIFICATION	BY CHKD Leland Snow	SERIAL.
		DATE 6-2-03	PAGE OF
WE	ELDING 4130N STEEL		ž
1.	Factory welding is accomplished with a heli-a amperage within a given range, and Argon is	rc (Miller) welding machine. A foot used to shield the arc.	control is used to control
* 2.	Welding rod used is 1/16 to 3/32 dia No. 1 H. classification RG60 or R60. Alternate weldin or ER80S-D2 (third option). Any diameter we welded dictates the rod diameter. These nur	ng rod is ER70S-2 (first option) or E elding rod may be used, as the thick	R70S-6 (second option) mess of the material being
3.	Welding rod is stored in a container that prev off before use.	ents build-up of moisture. Rust on	the rod has to be sanded
4.	Welds are to be smooth and uniform. Under require welding over, as there will be leaks w added to provide the proper filtet.	aut is to be avoided as well as burn- then the structure is olied internally.	through. Pin holes will Sufficient filler should be
5.	Surfaces to be welded should be free of great required If there is rust or residue present.	se, oil, or other contaminants. A w	ina brush is sometimes
6.	Tubing clusters should have fits such that ga .083 well thickness, and should not exceed 8 permissable if the gaps are for no more than that filling the gap can be done easily.	/16 ^e for tubes having .120 wall or g	reater. Larger gaps are
7.	Welders are to be certified, and are to weld c P.S. 121.	lusters for testing purposes every 1	2 months. See 4 & 5 of
8.	Welders are to be classified as Production we structure or any other parts, as long as the ma certification test. Trainees may not weld prim by Engineering. The Q.C. manager is to clo	aterial welded is the same type that ary structure, but can weld non-criti	was used in their cal parts that are approve
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	SNOW ENGINEERING CO. Wichita Falls, Texas	ENGINEERING	NUMBER 125 MODEL
n.e	PROCESS SPECIFICATION	BY CH Leland Snow	1 1 Y 2 2 Y 2 Y 2 Y 2
	Photess of contention	DATE 11/28/93	PAGE OF
STI	RESS RELIEVING-TORCH	E	
1.		e stress relieved with a torch.	This would include certain
2.	A heating tip is installed on the welding torch at established. The cluster is heated gradually by possible so that the cluster heats up as a unit. starting to turn red, the correct temperature ha Avoid overheating to cherry red, or heating in s	nd a fairly large flame with a sli moving the torch over the ent When the weld areas and the as been reached, and heating	surrounding metal is just
3.	When the correct temperature has been reach	ed, allow the cluster to cool gr	radually at room terperature.
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089	ANGLE TOLERANCES SIZE SCALE PART NO. .X= ±.05 .XXX= ±.015 .XXX= ±.005 .XXX= ±.0	ARE AFTER FINISH		
ER 92 IM/	DWG, SERVICE LETTER 92 IMAGES			
ST. PAUL, 1205	- T	FINISH N/A		Þ
Z	WIPAIRE. INC.	MAT'L N/A		
	3LER GRIND BACK 1/4" PLATE AND OLD WELD TO CENTERLINE OF LONGERON TUBE. REPAIR OR PATCH LONGERON TUBE. REWELD 1/4" PLATE TO LONGERON DOUBLER. WELD ON 1/4" PLATE TO LONGERON DOUBLER AS SHOWN. WELD AND STRESS RELIEVE PER SNOW ENGINNEERING SPECIFICATION # 120 & 125.		1/4" PLATE	\downarrow
	GRIND 1/4 PLATE AS SHOWN			æ
ISE N	Image: Constraint of the second system 1 DATE ECO DR DESCRIPTION 1/26/07 N/A ESR INITIAL RELEASE	REV D	2	