 <p style="text-align: center;"> <small>* MANUFACTURERS OF WIPLINE FLOATS &amp; SKIS            * SPECIALISTS IN AIRCRAFT MODIFICATION</small> </p> <p style="text-align: center;"> <small>1700 Henry Avenue - Fleming Field            South St. Paul, MN 55075            651-451-1205</small> </p>			Rev <input type="text"/>
			Date 1-25-2007
Prepared by Jerry LaMere	Aircraft Make / Model Air Tractor AT-802A	Float / Ski Model 10000 Float	Page 1 <span style="float: right;">3</span>
FAA Reviewed <input checked="" type="checkbox"/>	Title Installation additional filters in scooping hydraulic system		
<b>ALL INFORMATION IN THIS SERVICE DOCUMENT BASED ON FAA APPROVED DATA</b>			

**SERVICE KIT: #70**

**DATE: January 25, 2007**

**EFFECTIVITY: Air Tractor AT-802A S/N**

**COMPLIANCE: As soon as possible, if hydraulic solenoid valve in scooping system is sticking.**

**BACKGROUND INFORMATION: Contaminants in hydraulic fluid may cause the directional solenoid valve to stick.**

**METHOD OF COMPLIANCE: Add additional filters (2) at solenoid valve inlets for additional filtration.  
 Replace (2) existing filter elements with a finer mesh 10 micron element.**

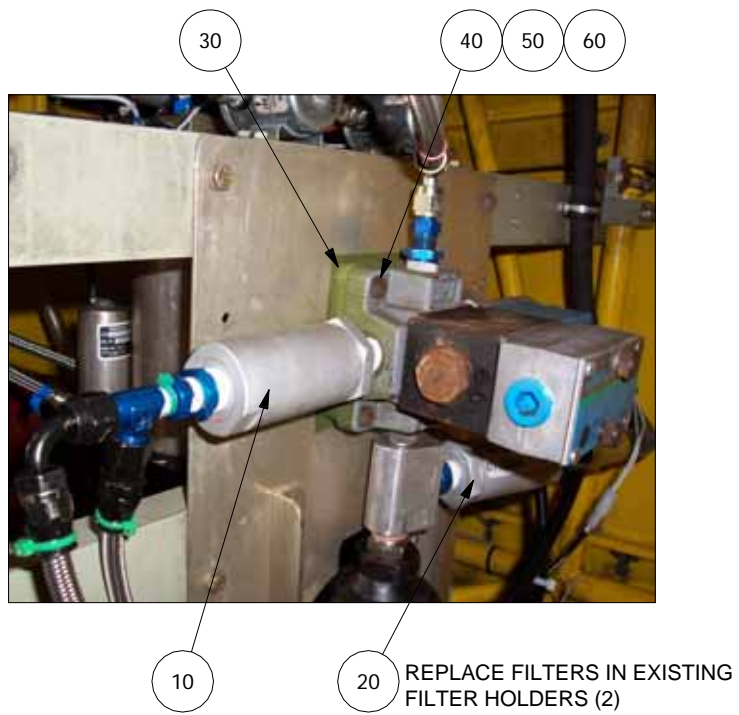
**PARTS REQUIRED:**

<u>Item</u>	<u>Quantity</u>	<u>Part Number</u>	<u>Description</u>
10	2	9053-10	Filter
20	2	EK9052-10	Filter Element
30	1	1002117	Spacer
40	4	AN4-13A	Bolt
50	4	NAS1149D0-463J	Washer
60	4	MS21044-N4	Nut
70	2	AN911-3D	Nipple
80	2	AN912-1D	Reducer
90	2	AN912-2D	Reducer
100	2	MS20826-5D	“T” Fitting

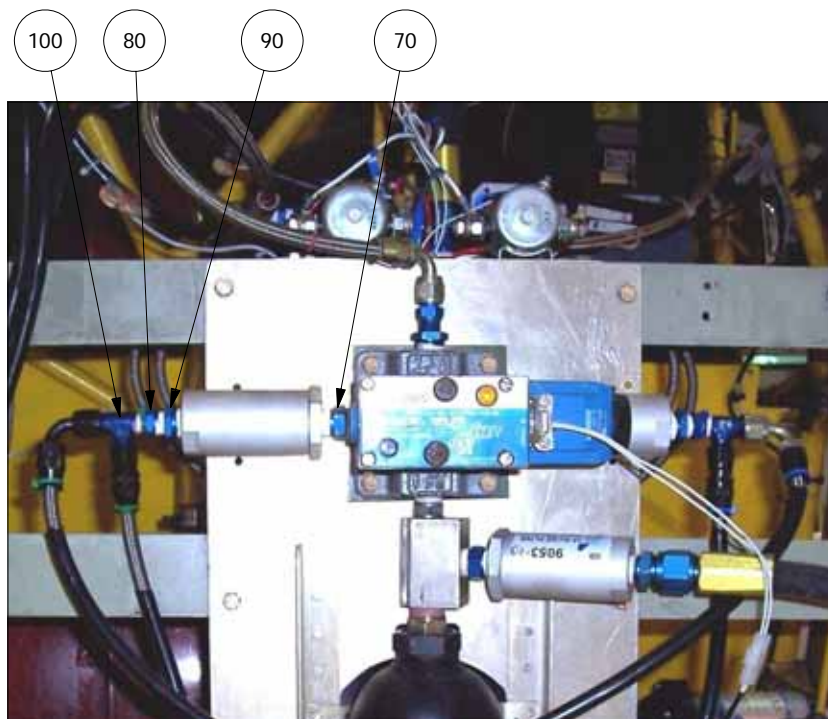
**WARRANTY: Parts only**

## **Instructions:**

1. Unbolt solenoid valve from plate (4) .25 DIA bolts.
2. Unhook hydraulic lines on left and right side of manifold block. Identify for reinstall.
3. Remove manifold blocks from plate and detach from solenoid valve.
4. Add 1002117 spacer to between the plate and solenoid valve. Attach with (4) AN4-13A bolts, NAS1149D0-463J washers, and MS21044-N4 nut.
5. Install 9053-10 filter on each side of solenoid valve as shown. Attach with AN911-3D nipple.
6. Install AN826-5D "T" fittings to filters as shown using AN912-1D reducer and AN912-2D reducer. Position fitting as shown.
7. Reattach all hydraulic lines as shown.
8. Replace filter elements in existing 2 filters housings with EK9052-10 filter elements.
9. If fluid appears red in color, the tanks of the hydraulic pump should be removed and filters in pickup cleaned and any residue removed from tank bottom.
10. It is recommended to change fluid in the entire hydraulic system if fluid seems contaminated or dark in color.



**SIDE VIEW**



**REAR VIEW HYDRAULIC PUMP**