 <p style="text-align: center;"> <b>WIPAIRE, INC.</b>  <small>1700 Henry Avenue - Fleming Field  South St. Paul, MN 55075  651-451-1205</small> </p> <p style="text-align: center; color: red;"> <b>• MANUFACTURERS OF WIPLINE FLOATS &amp; SKIS</b>  <b>• SPECIALISTS IN AIRCRAFT MODIFICATION</b> </p>		Rev / Date A / 5-15-09	
		1 <sup>st</sup> release 5-15-09	
Prepared by Ellen Parker	Aircraft Make / Model Fire Boss	Float / Ski Model 10000 Amphibious floats	Page 1 3
FAA Reviewed <input checked="" type="checkbox"/>	Title Fire Boss spin-on hydraulic filter revision		
<b>ALL INFORMATION IN THIS SERVICE DOCUMENT BASED ON FAA APPROVED DATA</b>			

## **SERVICE KIT: 75**

**EFFECTIVITY:** This service kit needs to be installed on 10089A & 10090A and older serial numbers. Serial numbers after this cut-off will have this spin-on filter added during production.

**COMPLIANCE:** Mandatory compliance at next 100 Hr Inspection.

**METHOD OF COMPLIANCE:** A spin-on filter is installed near the hydraulic pump with a pop-out bypass indicator for ease of maintenance. Instructions below.

**SHOP HOURS REQUIRED:** 2 Hours in conjunction with 100 Hr Inspection

**WARRANTY:** Parts and Labor for floats manufactured up to 1 year earlier than the initial release of this service letter.

### **Qty Parts List for change all included in Kit p/n 1002700**

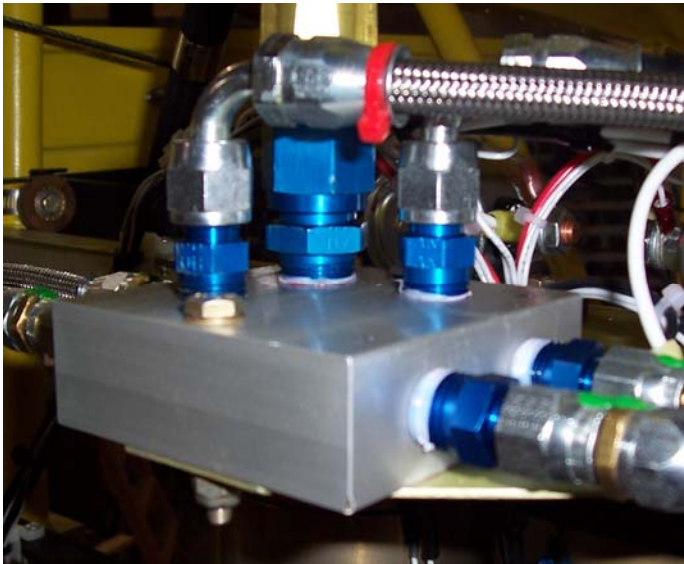
1	Bypass Filter, Hydraulic Pump Assy	1003662
1	Hydraulic Hose	1003661
1	Fitting (Aeroequip)	63-190600-5
1	Nipple Fitting	AN816-5-4D

## INSTRUCTIONS:

1. Start with the floats raised/jacked up or on a hoist. Pull the hydraulic pump circuit breaker.
2. Put the selector head into the neutral position.
3. Install onto the filter the filter base and the plugs, seals and hardware included. See page 4 for reference.
4. Fit filter assembly into place on hydraulic pump horizontal bracket as high as possible. Mark the holes for drilling.
5. Drill #10 holes and use hardware to attach new filter assembly to the bracket.
6. Remove existing filter assembly from top manifold.



7. Use nipple fitting AN816-5-4D in the top manifold.
8. Connect 1003661 (17 ") line from the top manifold to the forward fitting of the spin-on filter with the 90° fitting on the manifold side.



9. Connect existing line from the scoop manifold to the top of the 'T' juncture on the aft side of the filter.
10. Identify the landing gear return line. Remove 18-20" (or as needed based on installation) from it and attach it from selector head to the bottom of the 'T' juncture on the aft side of the filter using fitting 63-1906000-5 on the filter side. (Alternately the excess length in this line can also be looped and the existing fitting used for attachment.)
11. Swing the gear. Watch the system for leaks and add fluid as needed.

