

WIPAIRE INC.  
INVER GROVE HTS., MN.

DATE: July 21, 1992  
SERVICE KIT: # 13  
SUBJECT: Main Gear Ram Update  
MODEL: Wipline Model 4000,6000, 8000 Amphibian Floats

<u>ITEM</u>	<u>QTY</u> <u>PER FLOAT</u>	<u>PART NO</u>	<u>DESCRIPTION</u>
1.	1	6A05199-001 (5B3-432)	Flange
2.	1	6A05580-002 (9A3-763)	Wiper (Felt)
3.	1	8880400U	Wiper
4.	1	MS28775-314	O'Ring
5.	1	AN6227-24	O'RING (RAM PISTON)
6.	1	AN6227-25	O'Ring
7.	1	1214K1	Oiler
8.	4	AN6-13A	Bolt
9.	4	AN960-616	Washer
10.	4	AN365-624	Nut
11.	1	Fig. 1	Ass'y-Drawing
12.	1	#28	Service Letter

**INSTALLATION INSTRUCTIONS:**

1. First you must jack the floats, see service manual for float handling and jacking.
2. Run gear 4" fwd of aft bulkhead.
3. Remove upper oleo bolt from carriage.
4. Retract gear all the way fwd.
5. Remove hydraulic lines.
6. Drain hydraulic oil in container.
7. Remove aft bulkhead retaining plate.
8. Remove the bolts that attach the ram cylinder to the flange.
9. Remove ram cylinder from flange by pulling straight back on the cylinder, drain hydraulic oil in container.
10. Remove bulkhead flange bolts-AN6-13A. (2)
11. Pull piston and carriage back to down position.
12. Remove the bolt that secures the ram in the carriage-AN4-14A.
13. Remove cylinder flange with ram piston by sliding the parts straight back through bulkhead.
14. Remove flange from ram.
15. Install replacement parts, in reverse order, care must be taken not damage o'rings.
16. Assemble o'ring, wiper (felt), wiper(plastic) in flange before installation.
17. Cycle gear, check for leaks.
18. Check fluid level in the reservoir, the system will automatically bleed, provided sufficient oil is maintained in the reservoir.