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SERVICE LETTER 208

13000A Hydraulic Pump Replacement

Aircraft Makes/Model(s):	Float Model(s):	Compliance: Optional	By: MAB
DeHavilland DHC-6	13000A	Part Number: 1011406	Approved: SDW
		Date: 3/5/2021	Revision: B

LOG OF REVISIONS

Revision	Description	Date
A	Initial release	5/7/2020
B	Updated electrical schematic	3/5/2021

FAA approval has been obtained for technical data in this publication that affects STC or TSO design compliance.

EFFECTIVITY:

This service letter applies to DeHavilland model DHC-6 with Wipline 13000 Floats installed per STC SA2CH.

COMPLIANCE:

Optional compliance

BACKGROUND:

Hydraulic Pump Assembly 13A09000-130 has been discontinued. This service letter provides the option to replace it with a new pump p/n 1011370.

COMPLIANCE METHOD:

Install provided parts as shown in the Work Instruction section of this service letter.

APPROXIMATE SHOP HOURS:

The work instruction for this service letter will take approximately 8 labor hours.

WEIGHT AND BALANCE CHANGE:

+4 lbs, arm 55 inches

WARRANTY INFORMATION:

This service letter does not include warranty for labor and parts.

TECHNICAL DATA:

Copies of this service letter, associated service kit (if applicable), float service manual, and float parts manual are available at www.wipaire.com.

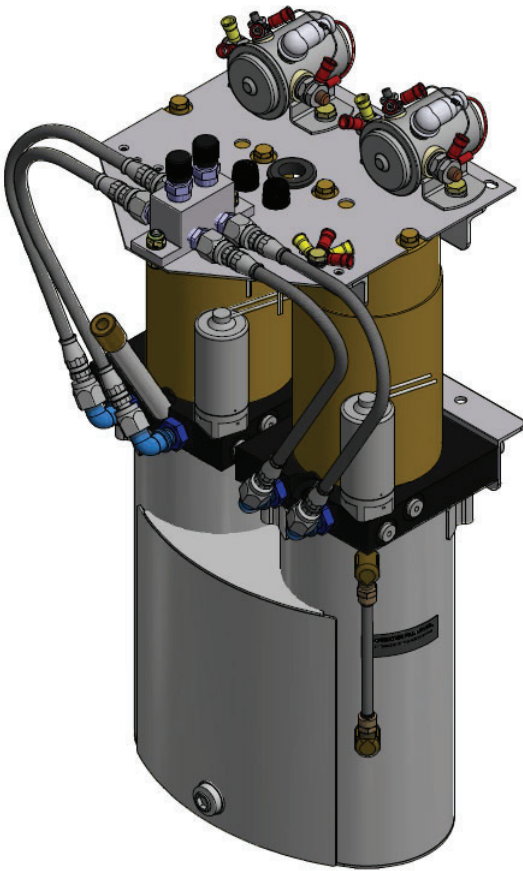
1700 Henry Ave - Fleming Field (KSGS), South St. Paul, MN 55075

Phone: 651.451.1205 | Fax: 651.457.7858

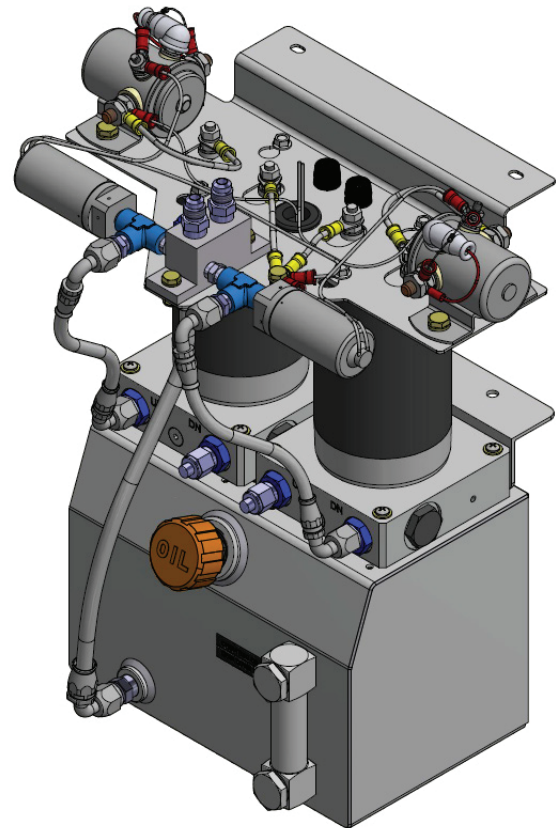
www.wipaire.com

ITEMS PROVIDED IN SERVICE KIT 1011406-01

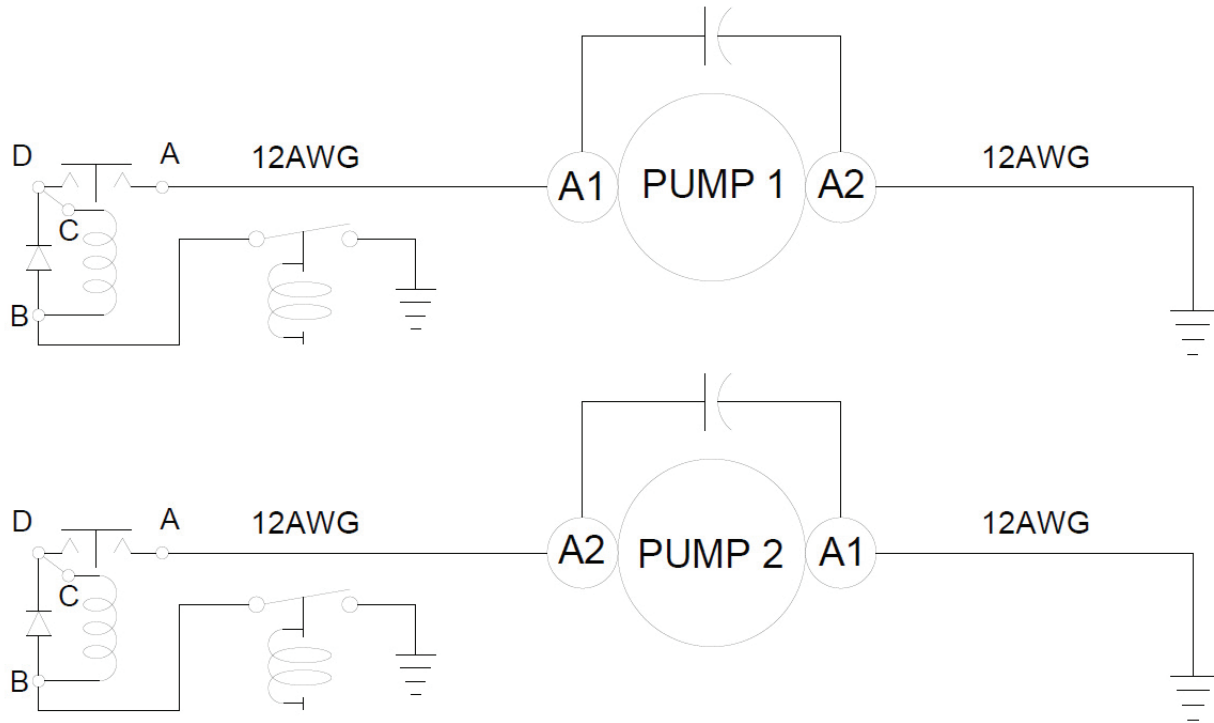
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	1011370	ASSEMBLY, HYDRAULIC POWER PACK
2	75 FT.	22759-16-10-9	WIRE, 10 AWG
3	2	MS25036-113	TERMINAL END, RING, 5/16" STUD, 12-10 AWG
4	6	MS25036-156	TERMINAL END, RING, #8 STUD, 12-10 AWG
5	2	320559	CRIMP TERMINAL, BUTT, 22-16 AWG
6	2	7271-8-35	KLIXON CIRCUIT BREAKER, 35 AMP



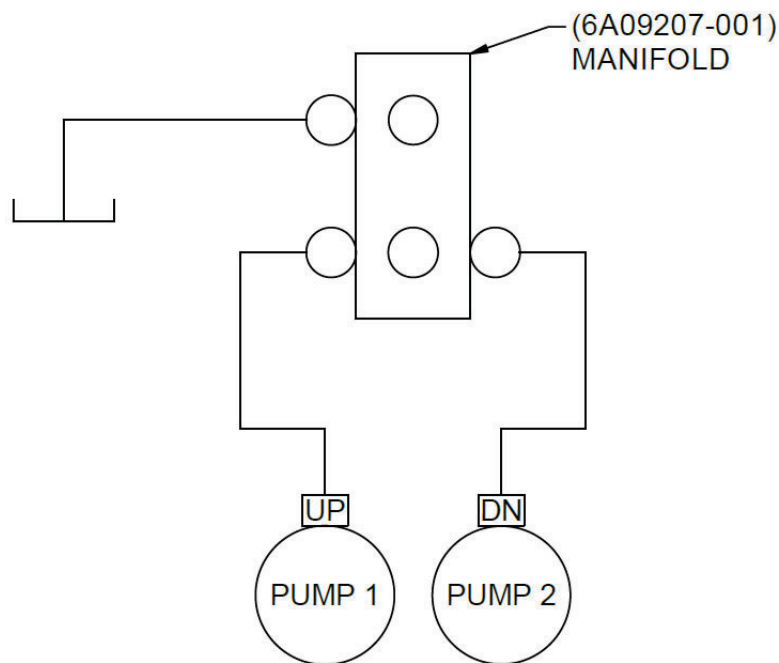
DISCONTINUED HYDRAULIC PUMP 13A09000-130



NEW HYDRAULIC PUMP 1011370



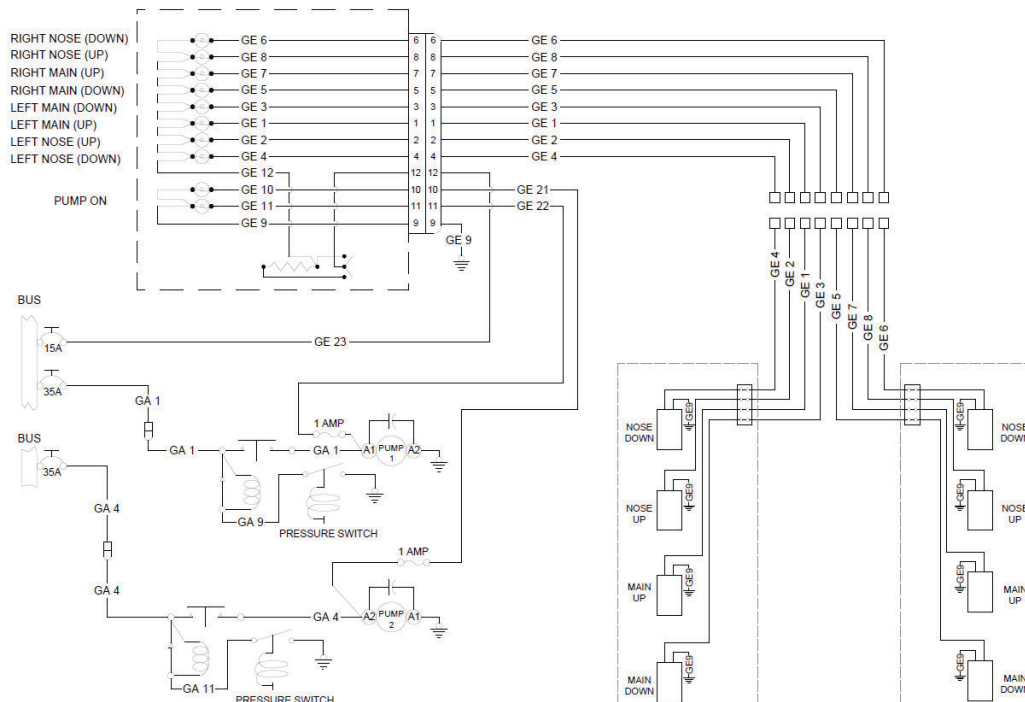
ELECTRICAL SCHEMATIC



HYDRAULIC SCHEMATIC

Work Instruction

1. Disconnect aircraft battery.
2. Remove and cap both pressure and return hydraulic lines on hydraulic pump manifold (13A09000-134 or 13A09000-135 depending on installation).
3. Remove GA1 and GA 4 wires (12 ga) from electrical solenoids on hydraulic power pack 13A09000-130.
4. Cut GE10 and GE11 wires (20 ga) at butt splice connection.
5. Unbolt and remove hydraulic power pack 13A09000-130 from pump mount assembly 13A09000-132.
6. Install new hydraulic power pack 1011370 onto pump mount assembly using existing hardware.
7. Install pressure and return hydraulic lines to hydraulic pump manifold. Refer to hydraulic schematic.
8. Re-install GE10 and GE11 wires (20 ga) onto wires coming from fuse holder with supplied butt splice connectors. See electrical schematic.
9. Locate and remove existing 30 amp circuit breakers from circuit breaker panels.
10. Remove existing 12 ga wire harness (13A11000-039).
11. Route supplied 10 ga wires (2) from 1011370 hydraulic power pack to circuit breaker panel.
12. Install supplied 35 amp circuit breakers into circuit breaker panel. Jumper wires may need to be made from new circuit breakers to 24VDC power supply.
13. Install 10 ga. wires onto 35 amp circuit breakers, and electrical solenoids on the hydraulic power pack with supplied terminal ends. Refer to electrical schematic.
14. Reconnect aircraft battery, service pump reservoir with MIL-H-5606 hydraulic fluid, and perform a retraction/extension test to make sure system is functioning correctly. Watch the system for leaks and add MIL-H-5606 hydraulic fluid as needed.



ELECTRICAL SYSTEM SCHEMATIC FOR 13000 FLOATS

Aircraft Closing & Return to Service

1. Upon completion of inspection, enter information in Aircraft Logbook for completion of Wipaire Service Letter 208.