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SERVICE LETTER 242

Cessna 206H Soloy Hydraulic Pump Replacement Near Firewall on 3450A Floats

| | | | |
|---------------------------------|------------------------|-----------------------------|----------------------|
| Aircraft Makes/Model(s): | Float Model(s): | Compliance: Optional | By: MAS |
| Textron Aviation 206H Soloy | 3450A | Part Number: 1011991 | Approved: SDW |
| | | Date: 12/22/2021 | Revision: A |

LOG OF REVISIONS

| Revision | Description | Date |
|----------|-----------------|------------|
| A | Initial release | 12/22/2021 |

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

EFFECTIVITY:

This service letter applies to Textron Aviation model 206H Soloy with Wipline 3450A Amphibian Floats installed per STC SA01185CH.

COMPLIANCE:

Optional compliance

BACKGROUND:

Textron Aviation (Cessna) 206 Hydraulic Pump Assembly p/n 1009225 has been discontinued. This service letter provides the option to replace it with pump p/n 1011945.

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:

+4.2 LBS, F.S. 1.00

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.

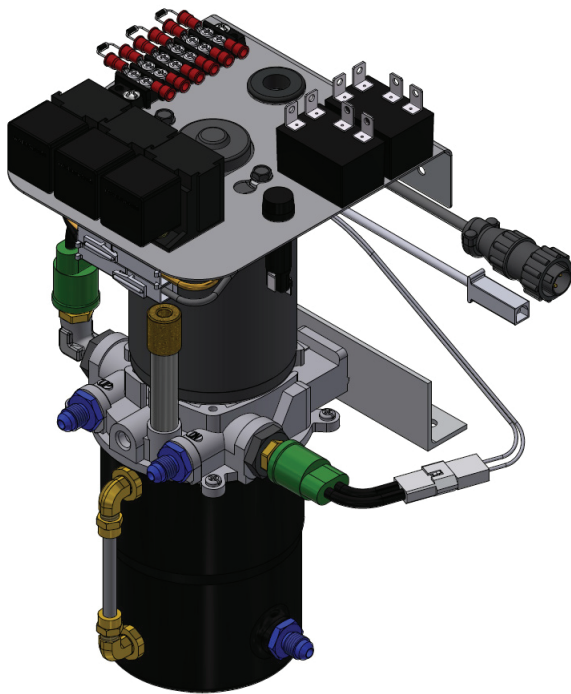
1700 Henry Ave - Fleming Field (KSGS), South St. Paul, MN 55075

Phone: 651.451.1205 | Fax: 651.457.7858

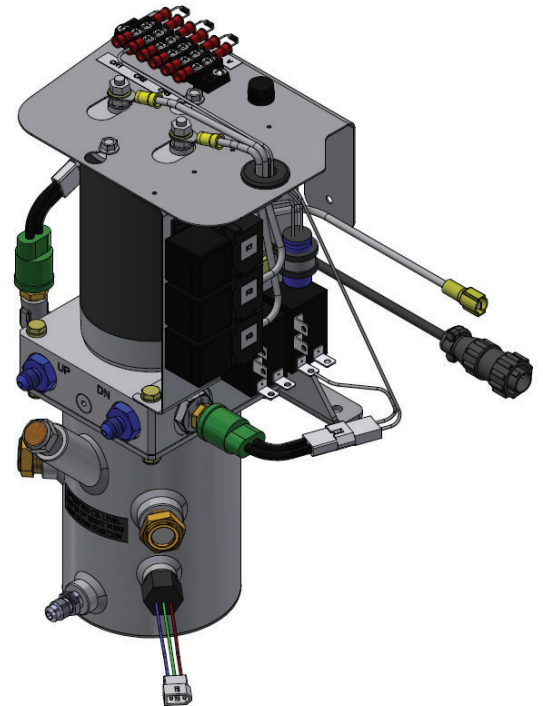
www.wipaire.com

ITEMS PROVIDED IN SERVICE KIT 1011991-01

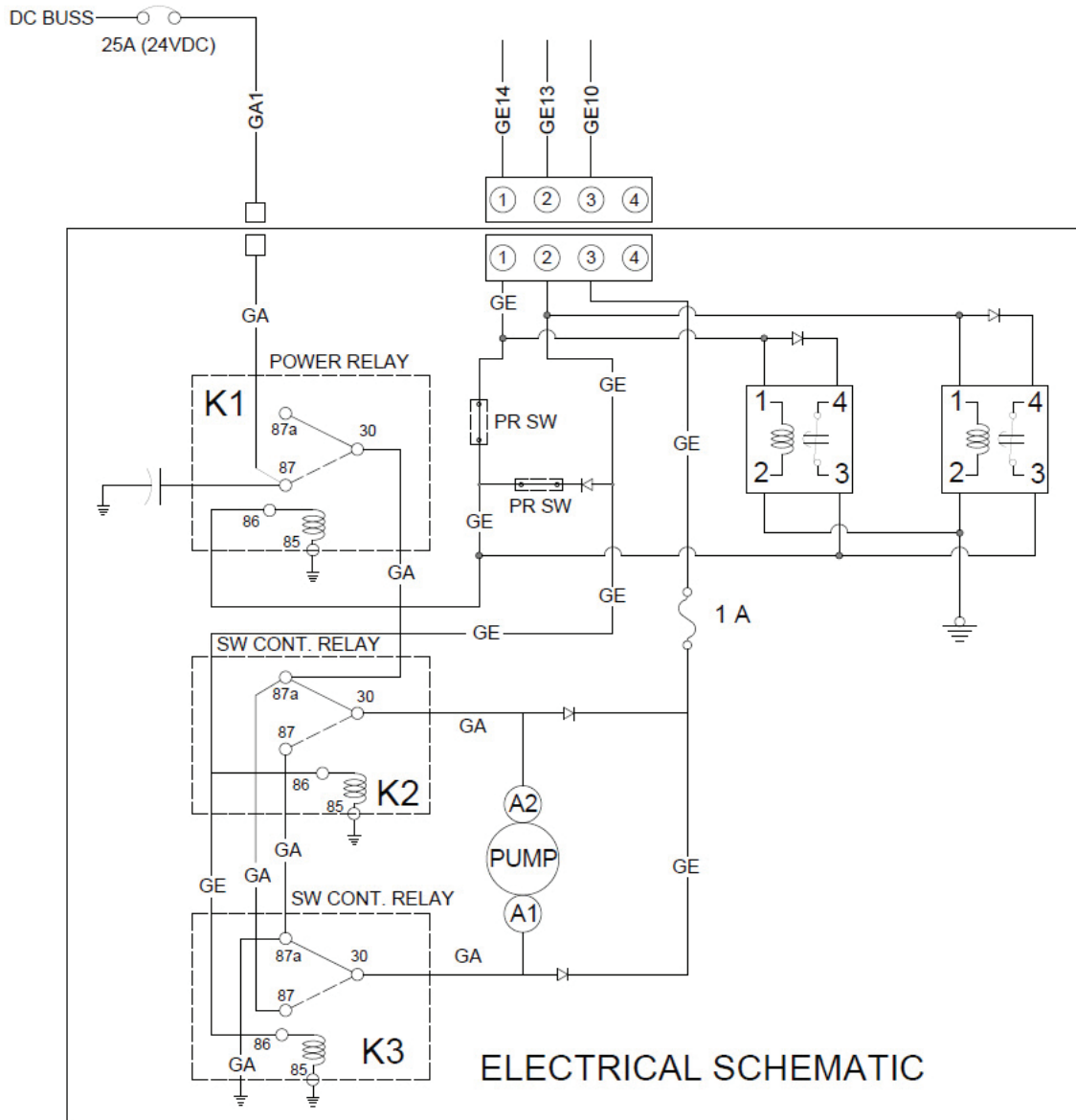
| ITEM | QTY | PART NUMBER | DESCRIPTION |
|------|-----|---------------|---|
| 1 | 1 | 1011945 | ASSEMBLY, HYDRAULIC POWER PACK |
| 2 | 1 | 1009301 | ASSEMBLY, HYDRAULIC LINE, RESERVOIR TO FIREWALL |
| 3 | 1 | 1009302 | ASSEMBLY, HYDRAULIC LINE, PUMP DN TO FIREWALL |
| 4 | 2 | AN4-5A | BOLT, 1/4-28, 0.1875 GRIP, UNDRILLED, STEEL |
| 5 | 4 | NAS1149F0432P | WASHER, 0.265 ID, 0.032 THK, STEEL |
| 6 | 2 | MS21044N4 | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF |



**DISCONTINUED OILDYNE
HYDRAULIC PUMP 1009225**



**NEW HYDRAULIC PUMP
1011945**



Work Instructions

1. Disconnect aircraft battery.
2. Disconnect single pin Molex connector for GA1 wire from hydraulic power pack assembly.
3. Disconnect 4 pin CPC connector from hydraulic power pack assembly.
4. If aircraft has a hydraulic low level warning system, disconnect wire harness from sensor in reservoir.
5. Drain hydraulic fluid from hydraulic power pack reservoir.
6. Remove 1009301 hydraulic line from reservoir fitting to firewall. Note firewall fitting location.
7. Disconnect and cap 1009303 hydraulic line from pump “up” port.
8. Remove 1009302 hydraulic line from pump “dn” port to firewall. Note firewall fitting location.
9. Unbolt and remove hydraulic power pack from firewall and firewall angle.
10. Install new hydraulic power pack onto firewall angle using supplied hardware. Use existing hardware to attach the upper bracket to the firewall.

11. Re-install hydraulic line 1009303 onto pump “up” port.
12. Install new hydraulic line 1009302 onto pump “dn” port to firewall.
13. Install new hydraulic line 1009301 onto reservoir fitting to firewall.
14. If aircraft has a hydraulic low level warning system, reconnect wire harness to sensor in new reservoir.
15. Re-install 4 pin CPC connector. See electrical schematic.
16. Cut single pin Molex connector from GA1 wire. Install 73F-250-32-NL connector onto GA1 wire. Connect GA1 wire to power wire on hydraulic pump assembly. Run ground wire from hydraulic pump to ground on aircraft. See electrical schematic.
17. 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.

Aircraft Closing & Return to Service

1. Upon completion of inspection, enter information in Aircraft Logbook for completion of Wipaire Service Letter 242.