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SERVICE LETTER 241

Cessna 206 Hydraulic Pump Replacement FWD Installation Near Wheel Well on 3450A Floats

Aircraft Makes/Model(s):	Float Model(s):	Compliance: Optional	By: MAS
Textron Aviation 206-206G, 206H, T206H	3450A	Part Number: 1011989	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 models 206-206G, 206H, and T206H with Wipline 3450A Amphibian Floats installed per STC SA01185CH.

COMPLIANCE:

Optional compliance

BACKGROUND:

Textron Aviation (Cessna) 206 Hydraulic Pump Assembly 12 VDC p/n 34A09000-245 and 24 VDC p/n 34A09000-277 have both been discontinued. This service letter provides the option to replace them with pumps p/n 1011938 for the 12 VDC and p/n 1011939 for the 24 VDC.

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:

+1.0 LBS, F.S. -2.71

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.

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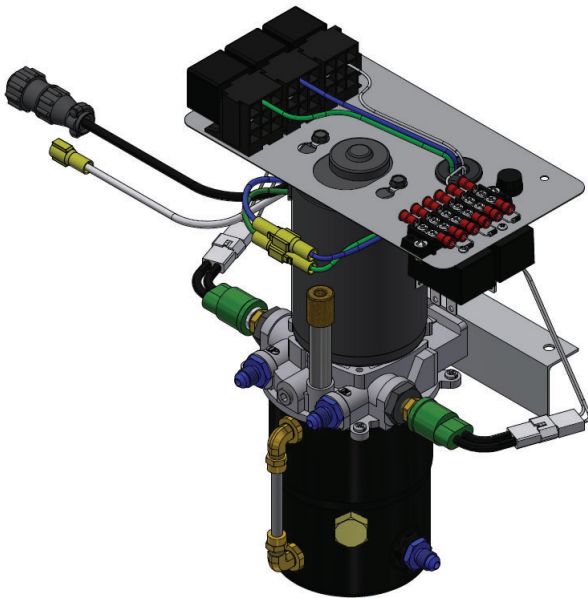
Phone: 651.451.1205 | Fax: 651.457.7858

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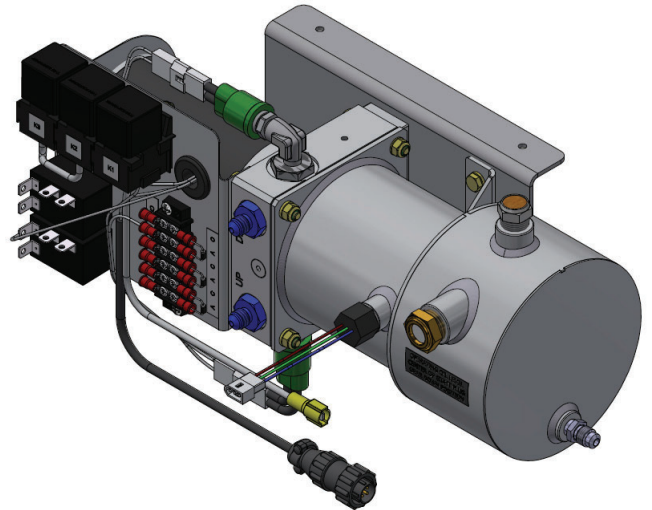
ITEMS PROVIDED IN SERVICE KIT 1011989-01 (12 VDC HYDRAULIC PUMP)

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	1011938	ASSEMBLY, HYDRAULIC POWER PACK, 12V
2	2	AN3-4A	BOLT, 10-32, 0.125 GRIP, UNDRILLED, STEEL
3	2	AN4-5A	BOLT, 1/4-20, 0.188 GRIP, UNDRILLED, STEEL
4	2	MS21044N3	NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF
5	2	MS21044N4	NUT, LOCKING, REGULAR HEIGHT, 1/4-20 UNF
6	4	NAS1149F0332P	WASHER, 0.203 ID, 0.032 THK, STEEL
7	4	NAS1149F0432P	WASHER, 0.265 ID, 0.032 THK, STEEL

12 VDC ONLY



**DISCONTINUED OILDYNE 12 VDC
HYDRAULIC PUMP 34A09000-245**

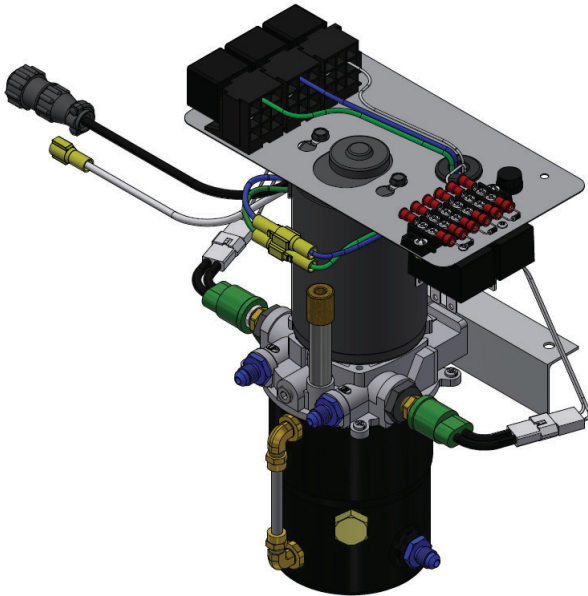


**NEW 12 VDC HYDRAULIC PUMP
1011938**

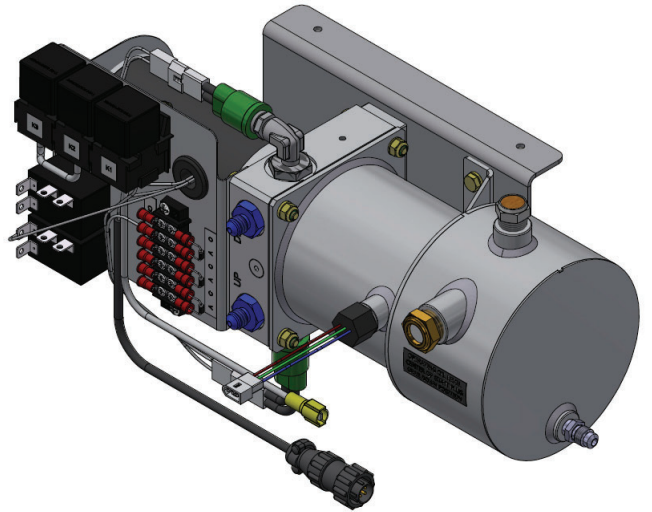
ITEMS PROVIDED IN SERVICE KIT 1011989-02 (24 VDC HYDRAULIC PUMP)

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	1011939	ASSEMBLY, HYDRAULIC POWER PACK, 24V
2	2	AN3-4A	BOLT, 10-32, 0.125 GRIP, UNDRILLED, STEEL
3	2	AN4-5A	BOLT, 1/4-20, 0.188 GRIP, UNDRILLED, STEEL
4	2	MS21044N3	NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF
5	2	MS21044N4	NUT, LOCKING, REGULAR HEIGHT, 1/4-20 UNF
6	4	NAS1149F0332P	WASHER, 0.203 ID, 0.032 THK, STEEL
7	4	NAS1149F0432P	WASHER, 0.265 ID, 0.032 THK, STEEL

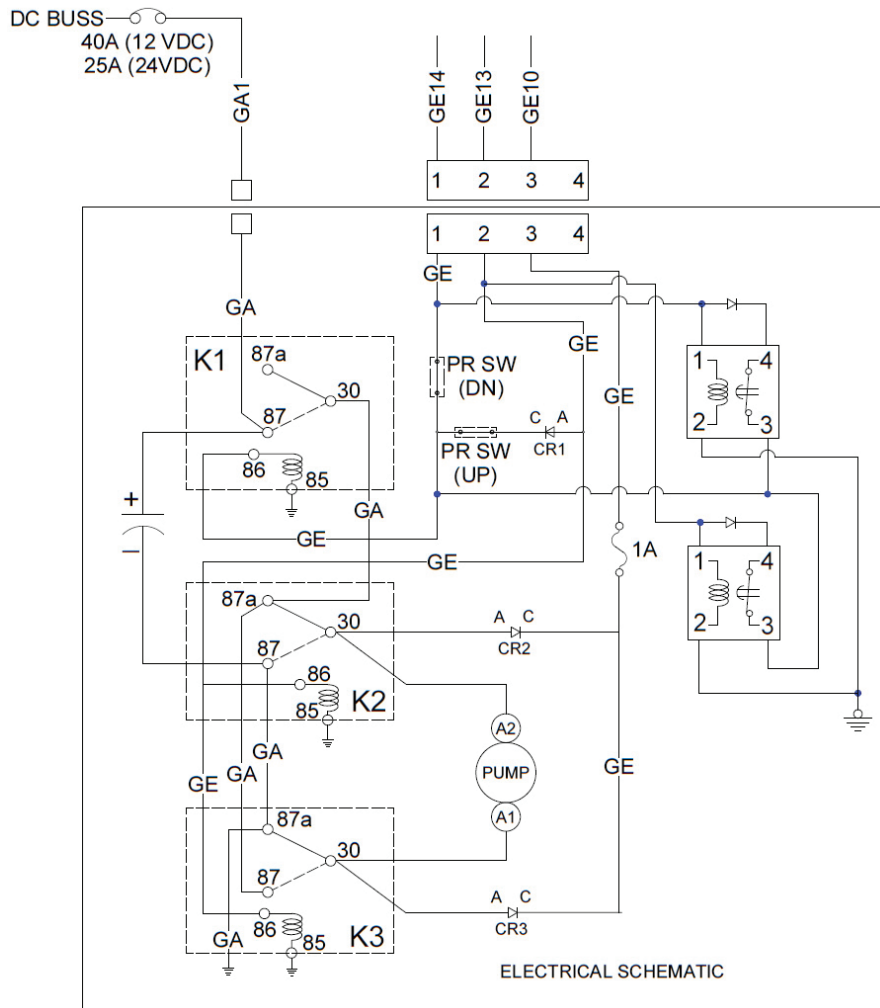
24 VDC ONLY



**DISCONTINUED OILDYNE 24 VDC
HYDRAULIC PUMP 34A09000-277**



**NEW 24 VDC HYDRAULIC PUMP
1011939**



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. Disconnect and cap 1006669-13 hydraulic line from reservoir fitting.
7. Disconnect and cap 1006669-14 hydraulic line from pump “up” port.
8. Disconnect and cap 1006669-15 hydraulic line from pump “dn” port.
9. Unbolt and remove hydraulic power pack from 1006582 mounting bracket.
10. Install new hydraulic power pack onto 1006582 mounting bracket using supplied hardware.
11. Re-install hydraulic line 1006669-14 onto pump “up” port.
12. Re-install hydraulic line 1006669-15 onto pump “dn” port.
13. Re-Install hydraulic line 1006669-13 onto reservoir fitting.
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 241.