



WIPLINE FLOATS • SKIS • MODIFICATIONS • AIRCRAFT SALES  
AVIONICS • INTERIOR • MAINTENANCE • PAINT REFINISHING

## SERVICE LETTER 221

### Cessna 206 Stationair 3450A Hydraulic Pump Replacement

Aircraft Makes/Model(s):	Float Model(s):	Compliance: Optional	By: MAB
Textron Aviation 206-206G, 206H, Soloy 206H, T206H	3450A	Part Number: 1011614	Approved: SDW
		Date: 5/7/2021	Revision: A

### LOG OF REVISIONS

Revision	Description	Date
A	Initial release	5/7/2021

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, Soloy 206H, and T206H, rear installation only, with Wipline 3450 Amphibian Floats installed per STC SA01185CH.

#### COMPLIANCE:

Optional compliance

#### BACKGROUND:

The 12 VDC Hydraulic Pump Assembly p/n 34A09000-245 and the 24 VDC Hydraulic Pump Assembly p/n 34A09000-277 have both been discontinued. This service letter provides the option to replace them with a 12 VDC pump p/n 1011439 or with the 24 VDC pump p/n 1011548.

#### 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, F.S. 159.30

#### 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](http://www.wipaire.com).

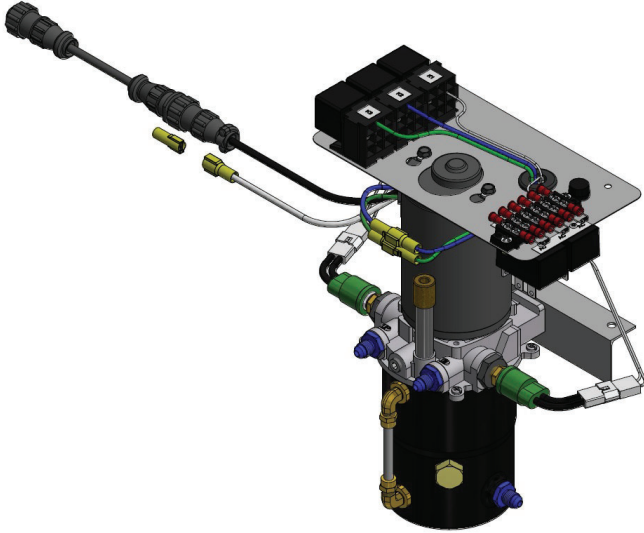
1700 Henry Ave - Fleming Field (KSGS), South St. Paul, MN 55075

Phone: 651.451.1205 | Fax: 651.457.7858

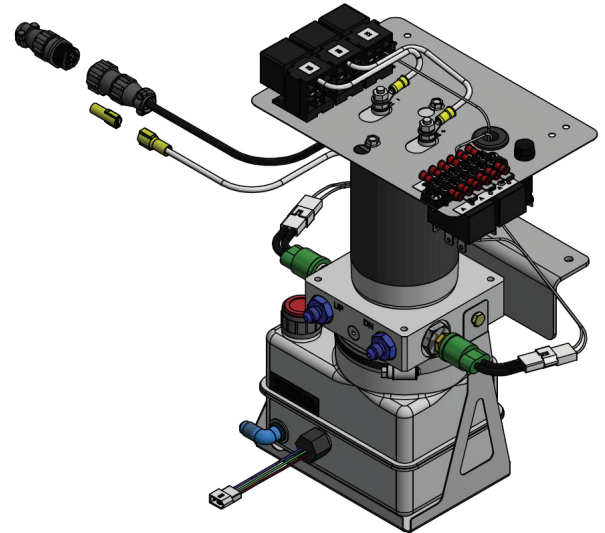
[www.wipaire.com](http://www.wipaire.com)

**ITEMS PROVIDED IN SERVICE KIT 1011614-01 (HYDRAULIC PUMP 12 VDC ONLY)**

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	1011439	ASSEMBLY, HYDRAULIC POWER PACK, 12V



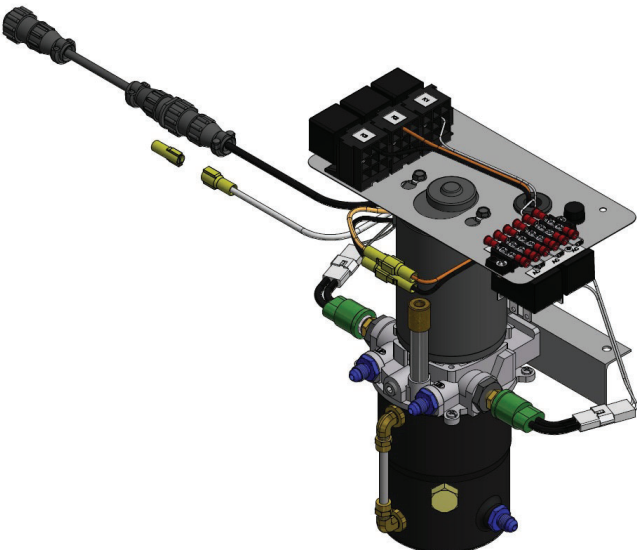
**DISCONTINUED 12 VDC  
HYDRAULIC PUMP 34A09000-245**



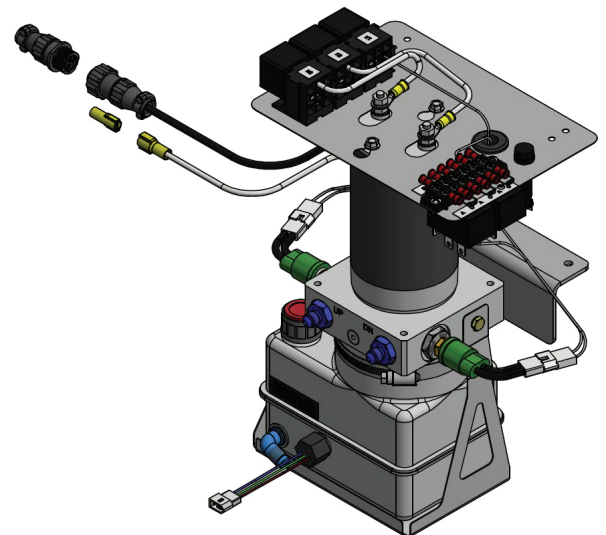
**NEW 12 VDC  
HYDRAULIC PUMP 1011439**

**ITEMS PROVIDED IN SERVICE KIT 1011614-02 (HYDRAULIC PUMP 24 VDC ONLY)**

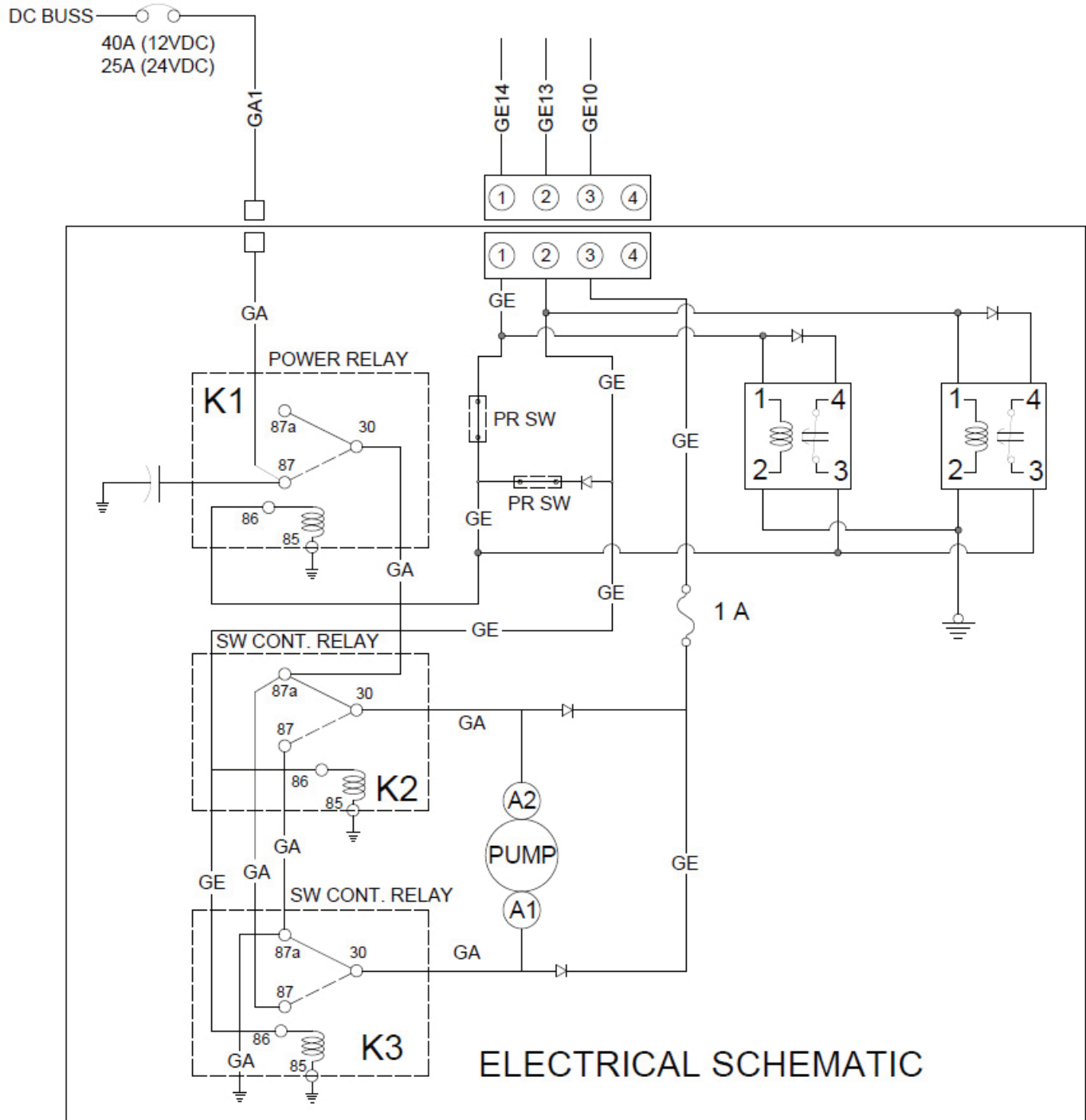
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	1011548	ASSEMBLY, HYDRAULIC POWER PACK, 24V



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



**NEW 24 VDC  
HYDRAULIC PUMP 1011548**



## Work Instruction

### Hydraulic Pump 12 VDC Installation:

1. Disconnect aircraft battery.
2. Disconnect single pin Molex connector for GA1 wire.
3. Disconnect 4 pin CPC connector from hydraulic power pack assembly 34A09000-245.
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 34A09000-257 hydraulic line from reservoir to emergency hand pump.
7. Disconnect and cap 34A09000-256 hydraulic lines from pump up and dn ports to tee fittings.
8. Unbolt and remove hydraulic power pack 34A09000-245 from fuselage mount assembly.
9. Install new hydraulic power pack 1011439 onto fuselage mount assembly using existing hardware.
10. Re-install hydraulic lines 34A09000-256 onto pump manifold up and dn ports.
11. Re-install hydraulic line 34A09000-257 to pump reservoir fitting.
12. If aircraft has a hydraulic low level warning system, reconnect wire harness to sensor in new reservoir.
13. Re-install 4 pin CPC connector. See electrical schematic.
14. Cut single pin Molex connector from GA1 wire. Install 73F-250-32NL connector onto GA1 wire. Connect GA1 wire to power wire on hydraulic pump assembly. See electrical schematic.
15. 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.

### Hydraulic Pump 24 VDC Installation:

1. Disconnect aircraft battery.
2. Disconnect single pin Molex connector for GA1 wire.
3. Disconnect 4 pin CPC connector from hydraulic power pack assembly 34A09000-277.
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 34A09000-257 hydraulic line from reservoir to emergency hand pump.
7. Disconnect and cap 34A09000-256 hydraulic lines from pump up and dn ports to tee fittings.
8. Unbolt and remove hydraulic power pack 34A09000-277 from fuselage mount assembly.
9. Install new hydraulic power pack 1011548 onto fuselage mount assembly using existing hardware.
10. Re-install hydraulic lines 34A09000-256 onto pump manifold up and dn ports.
11. Re-install hydraulic line 34A09000-257 to pump reservoir fitting.
12. If aircraft has a hydraulic low level warning system, reconnect wire harness to sensor in new reservoir.
13. Re-Install 4 pin CPC connector. See electrical schematic.
14. Cut single pin Molex connector from GA1 wire. Install 73F-250-32NL connector onto GA1 wire. Connect GA1 wire to power wire on hydraulic pump assembly. See electrical schematic.
15. 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 221.