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AVIONICS • INTERIOR • MAINTENANCE • PAINT REFINISHING

## SERVICE LETTER 220

### Aviat Husky 2100A Hydraulic Pump Replacement

<b>Aircraft Makes/Model(s):</b>	<b>Float Model(s):</b>	<b>Compliance:</b> Optional	<b>By:</b> MAB
Aviat Husky A-1, A-1A, A-1B, A-1C, and A-1 with Aviat SB 13	2100A	<b>Part Number:</b> 1011613	<b>Approved:</b> SDW
		<b>Date:</b> 5/7/2021	<b>Revision:</b> 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 Aviat Husky models A-1, A-1A, A-1B, A-1C, and A-1 with Aviat SB 13 with Wipline 2100 Amphibian Floats installed per STC SA00637CH.

#### COMPLIANCE:

Optional compliance

#### BACKGROUND:

The standard Hydraulic Pump Assembly p/n 21A09000-195 and the extended baggage version hydraulic pump p/n 21A09000-288 have both been discontinued. This service letter provides the option to replace them with a new standard pump p/n 1011543 or with the extended baggage version pump p/n 1011541.

#### 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:

Side Mount +4 lbs, F.S. 124.97

Extended Baggage +4 lbs, F.S. 111.35

#### 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).

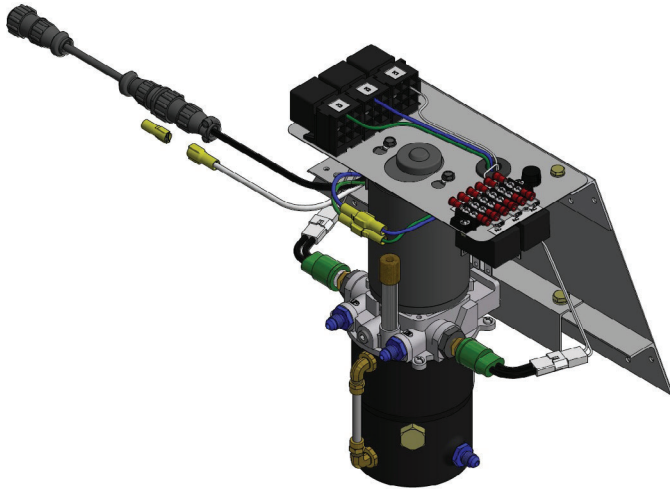
1700 Henry Ave - Fleming Field (KSGS), South St. Paul, MN 55075

Phone: 651.451.1205 | Fax: 651.457.7858

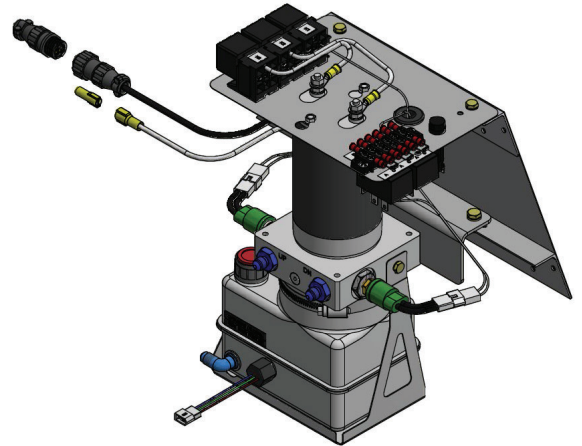
[www.wipaire.com](http://www.wipaire.com)

**ITEMS PROVIDED IN SERVICE KIT 1011613-01 (STANDARD PUMP ONLY)**

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	1011543	ASSEMBLY, HYDRAULIC POWER PACK, 12V



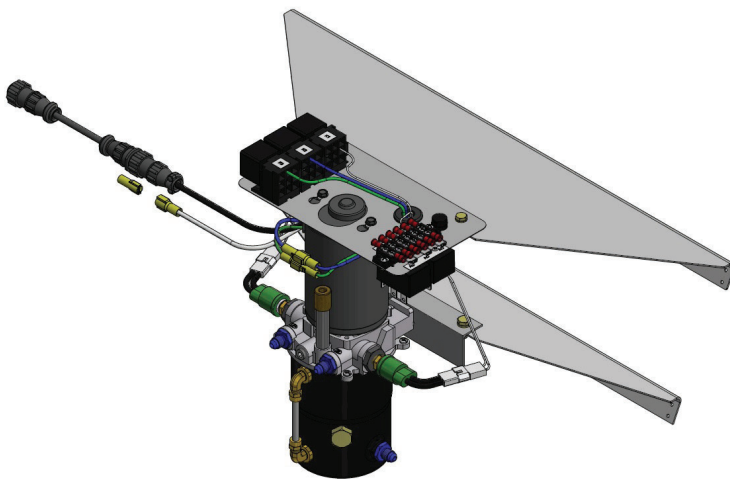
**DISCONTINUED STANDARD  
HYDRAULIC PUMP 21A09000-195**



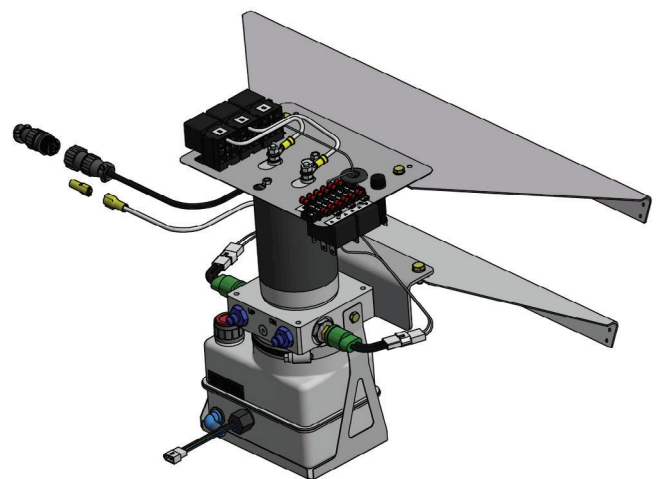
**NEW STANDARD  
HYDRAULIC PUMP 1011543**

**ITEMS PROVIDED IN SERVICE KIT 1011613-02 (EXTENDED BAGGAGE PUMP ONLY)**

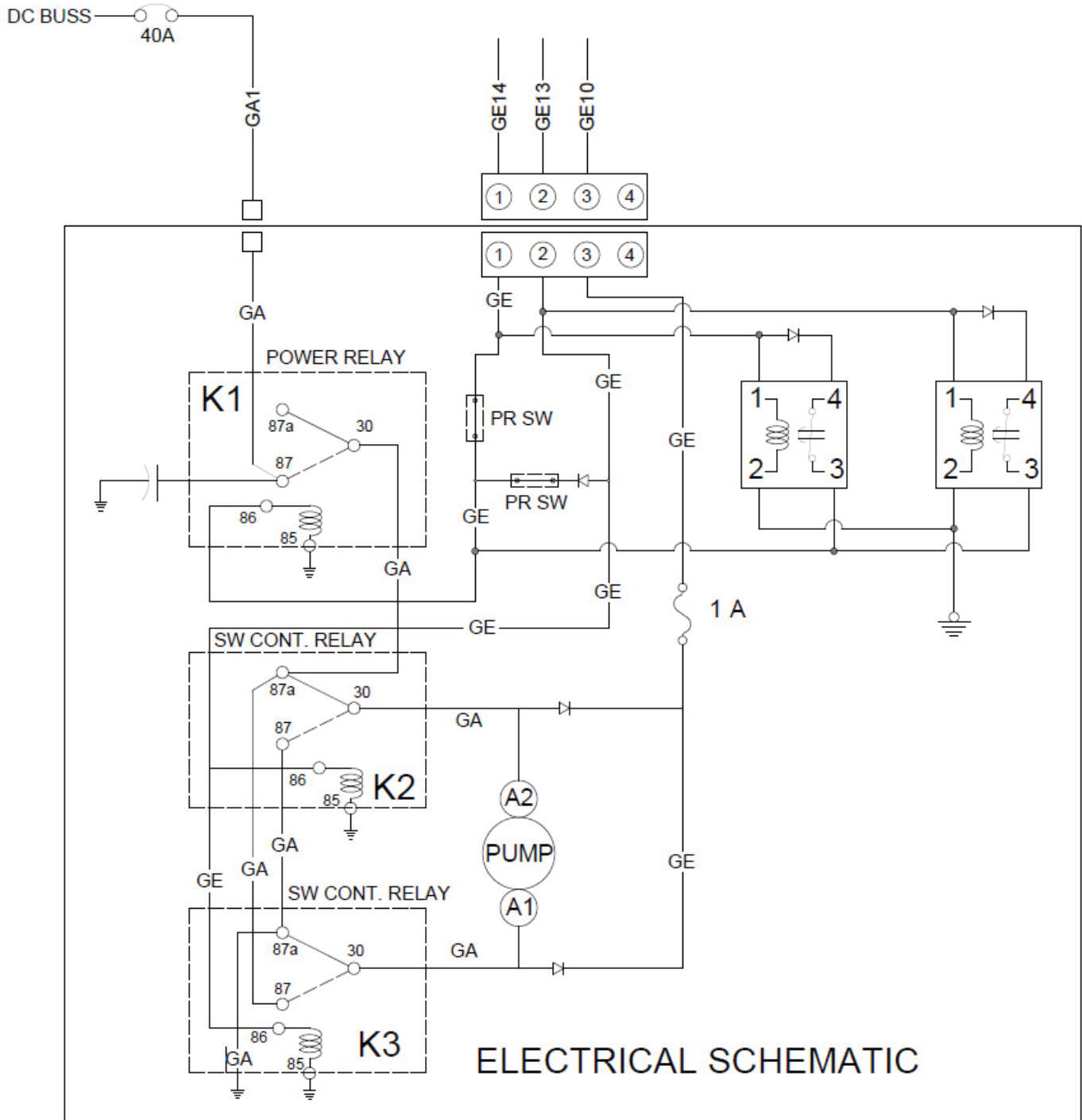
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	1011541	ASSEMBLY, HYDRAULIC POWER PACK, 12V



**DISCONTINUED EXTENDED BAGGAGE  
HYDRAULIC PUMP 21A09000-288**



**NEW EXTENDED BAGGAGE  
HYDRAULIC PUMP 1011541**



## Work Instruction

### Standard Pump 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 21A09000-195.
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 21A09000-208 hydraulic line from reservoir to emergency hand pump.
7. Disconnect and cap 21A09000-204 hydraulic lines from pump up and dn ports to cross fitting.
8. Unbolt and remove hydraulic power pack 21A09000-195 from aircraft fuselage.
9. Install new hydraulic power pack 1011543 onto aircraft fuselage using existing hardware.
10. Re-install hydraulic lines 21A09000-204 to pump manifold up and dn ports.
11. Re-install hydraulic line 21A09000-208 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.

### Extended Baggage 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 21A09000-288.
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 21A09000-208 hydraulic line from reservoir to emergency hand pump.
7. Disconnect and cap 21A09000-204 hydraulic lines from pump up and dn ports to cross fitting.
8. Unbolt and remove hydraulic power pack 21A09000-288 from 21A09000-290 lower angle mount and 21A09163-095 upper angle mount.
9. Install new hydraulic power pack 1011541 onto upper and lower angle mounts with existing hardware.
10. Re-install hydraulic lines 21A09000-204 to pump manifold up and dn ports.
11. Re-install hydraulic lines 21A09000-208 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 220