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AVIONICS • INTERIOR • MAINTENANCE • PAINT REFINISHING

## SERVICE LETTER 219

### Quest Kodiak 100 Hydraulic Pump Replacement for 7000A Floats

<b>Aircraft Makes/Model(s):</b>	<b>Float Model(s):</b>	<b>Compliance:</b> Optional	<b>By:</b> MAB
Quest Kodiak 100	7000A	<b>Part Number:</b> 1011609	<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 Quest model Kodiak 100 with Wipline 7000 Amphibian Floats installed per STC SA02848CH.

#### COMPLIANCE:

Optional compliance

#### BACKGROUND:

Bi-Directional Hydraulic Pump Assembly p/n 1004397 has been discontinued. This service letter provides the option to replace it with a new pump p/n 1011436.

#### 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:

+6.1 lbs, F.S. 230.00

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

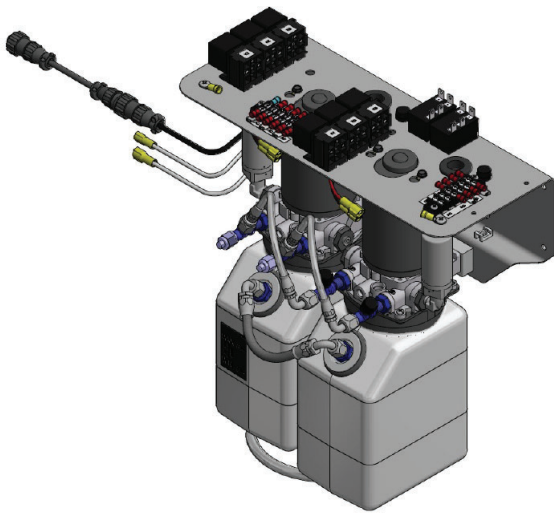
1700 Henry Ave - Fleming Field (KSGS), South St. Paul, MN 55075

Phone: 651.451.1205 | Fax: 651.457.7858

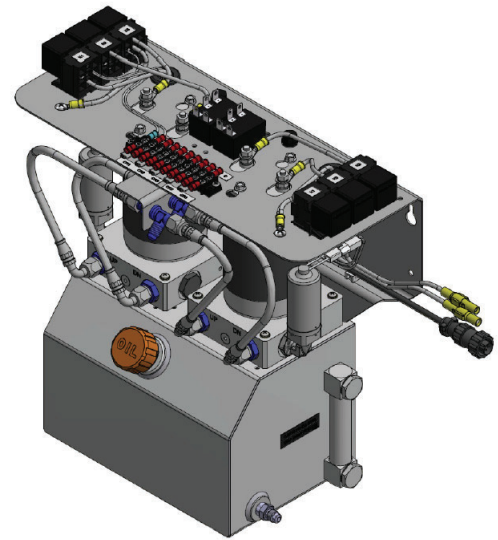
[www.wipaire.com](http://www.wipaire.com)

**ITEMS PROVIDED IN SERVICE KIT 1011609-01**

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	1011436	Assembly, Hydraulic Power Pack
2	2	3TC2-30	Circuit Breaker, 30 amp
3	4	AN4-4A	Bolt, 1/4-28 thread



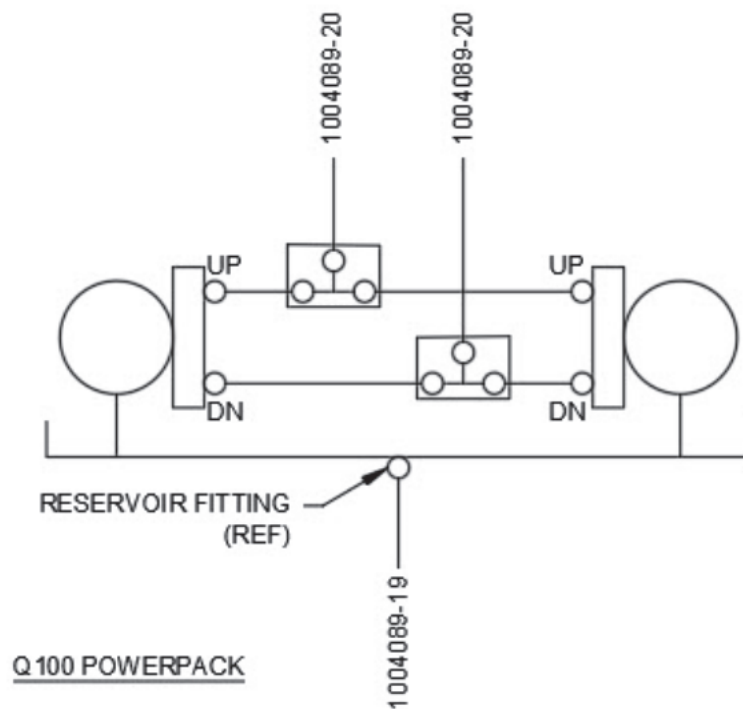
**DISCONTINUED**  
**BI-DIRECTIONAL HYDRAULIC PUMP 1004397**



**NEW**  
**BI-DIRECTIONAL HYDRAULIC PUMP 1011436**

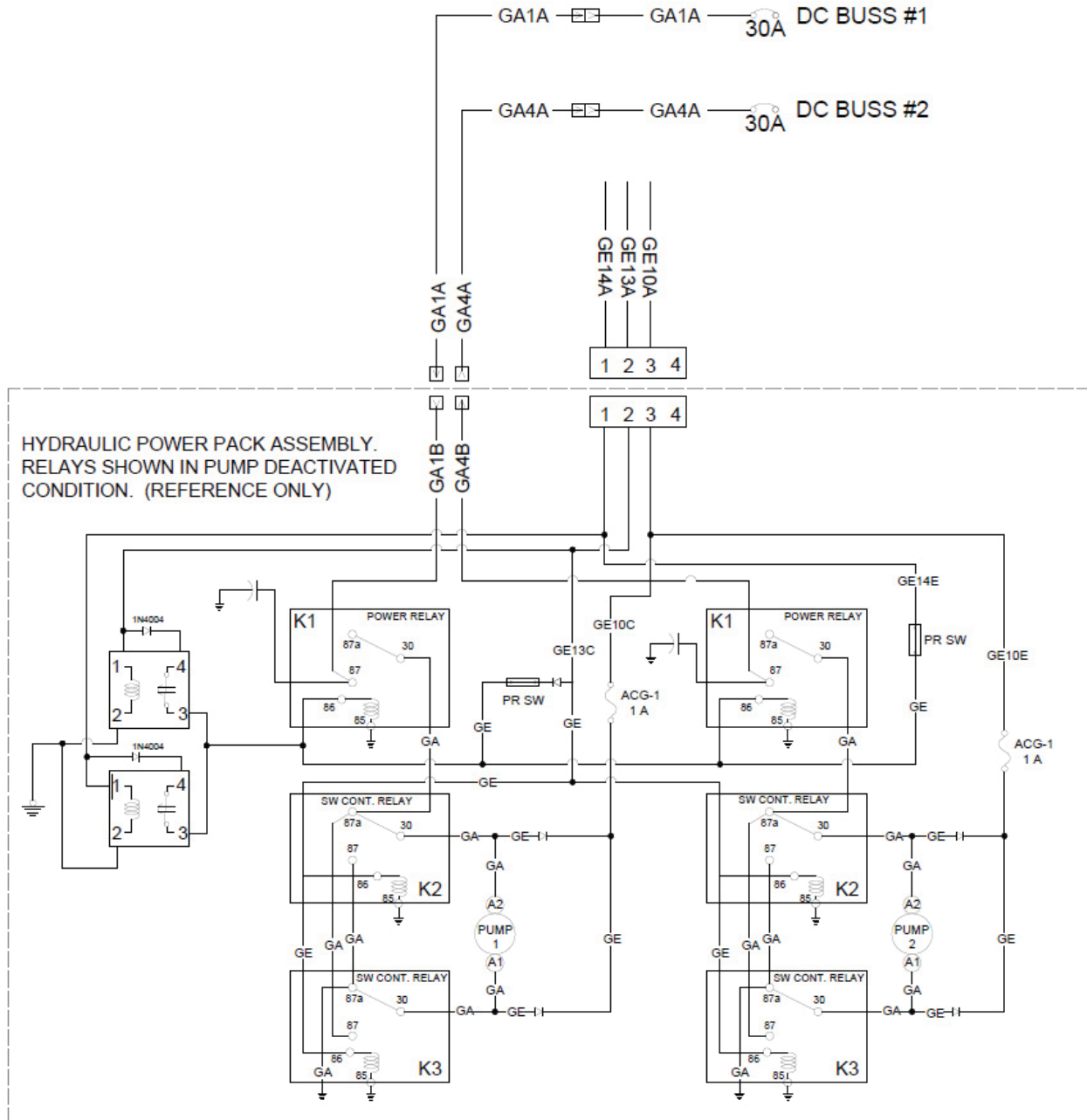
## Work Instructions

1. Disconnect aircraft battery.
2. Disconnect single pin Molex connectors for GA1 and GA4 (12 ga) wire.
3. Disconnect 4 pin CPC connector from hydraulic power pack assembly 1004397.
4. Drain hydraulic fluid from both hydraulic power pack reservoirs.
5. Disconnect and cap 1004089-19 hydraulic line from reservoir to emergency hand pump.
6. Disconnect and cap 1004089-20 hydraulic lines from pump up and dn manifold fittings.



**Hydraulic Schematic**

7. Unbolt and remove hydraulic power pack 1004397 from pump mount assembly.
8. Install new hydraulic power pack 1011436 onto pump mount assembly using supplied bolts and existing washers.
9. Remove and swap hydraulic fittings AN816-4-4D and MS27769D3 on 1011436 hydraulic power pack reservoir.
10. Re-install hydraulic lines 1004089-20 onto hydraulic power pack tees.
11. Re-install hydraulic line 1004089-19 onto hydraulic power pack reservoir.
12. Re-install 4 pin CPC connector. See electrical schematic.



**Electrical Schematic**

13. Cut single pin Molex connector from GA1 and GA4 (12 ga) wires. Install 73M-250-32NL connector onto GA1 wire and 73F-250-32NL connector onto GA4 wire. Connect GA1 wire to pump 1 and GA4 wire to pump 2. See electrical schematic.
14. Remove two 20 amp Pump 1 and Pump 2 circuit breakers P/N 7277-2-20 from engine control pedestal.
15. Install two 30 amp Pump 1 and Pump 2 circuit breakers P/N 3TC2-30 into engine control pedestal.
16. 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 219.