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SERVICE LETTER 233

Cessna 170 Hydraulic Pump Replacement on 2100A Floats

Aircraft Makes/Model(s):	Float Model(s):	Compliance: Optional	By: MAB
Textron Aviation 170A & 170B	2100A	Part Number: 1011890	Approved: SDW
		Date: 6/10/2021	Revision: A

LOG OF REVISIONS

Revision	Description	Date
A	Initial release	6/10/2021

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 170A and 170B with Wipline 2100 Amphibian Floats installed per STC SA00804CH.

COMPLIANCE:

Optional compliance

BACKGROUND:

Textron Aviation (Cessna) 170A and 170B Hydraulic Pump Assembly 21A09000-279 has been discontinued. This service letter provides the option to replace it with pump 1011887.

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:

+4.0 LBS, F.S. 108.00

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.

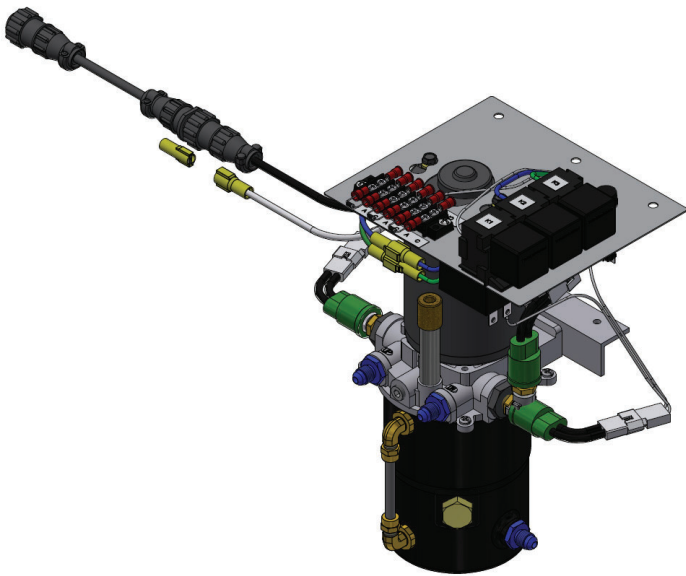
1700 Henry Ave - Fleming Field (KSGS), South St. Paul, MN 55075

Phone: 651.451.1205 | Fax: 651.457.7858

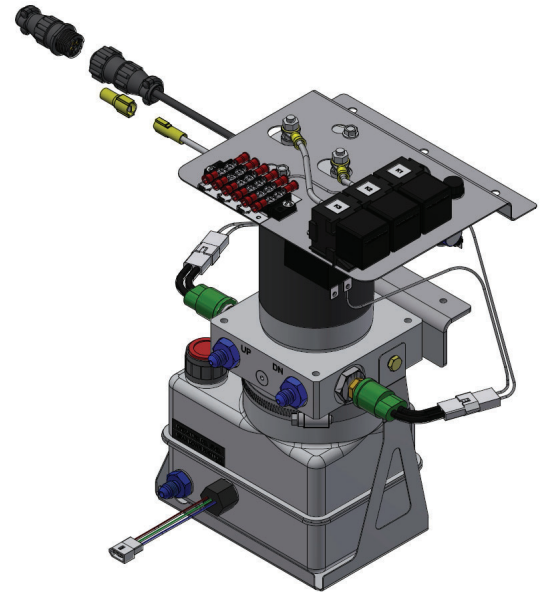
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ITEMS PROVIDED IN SERVICE KIT 1011890

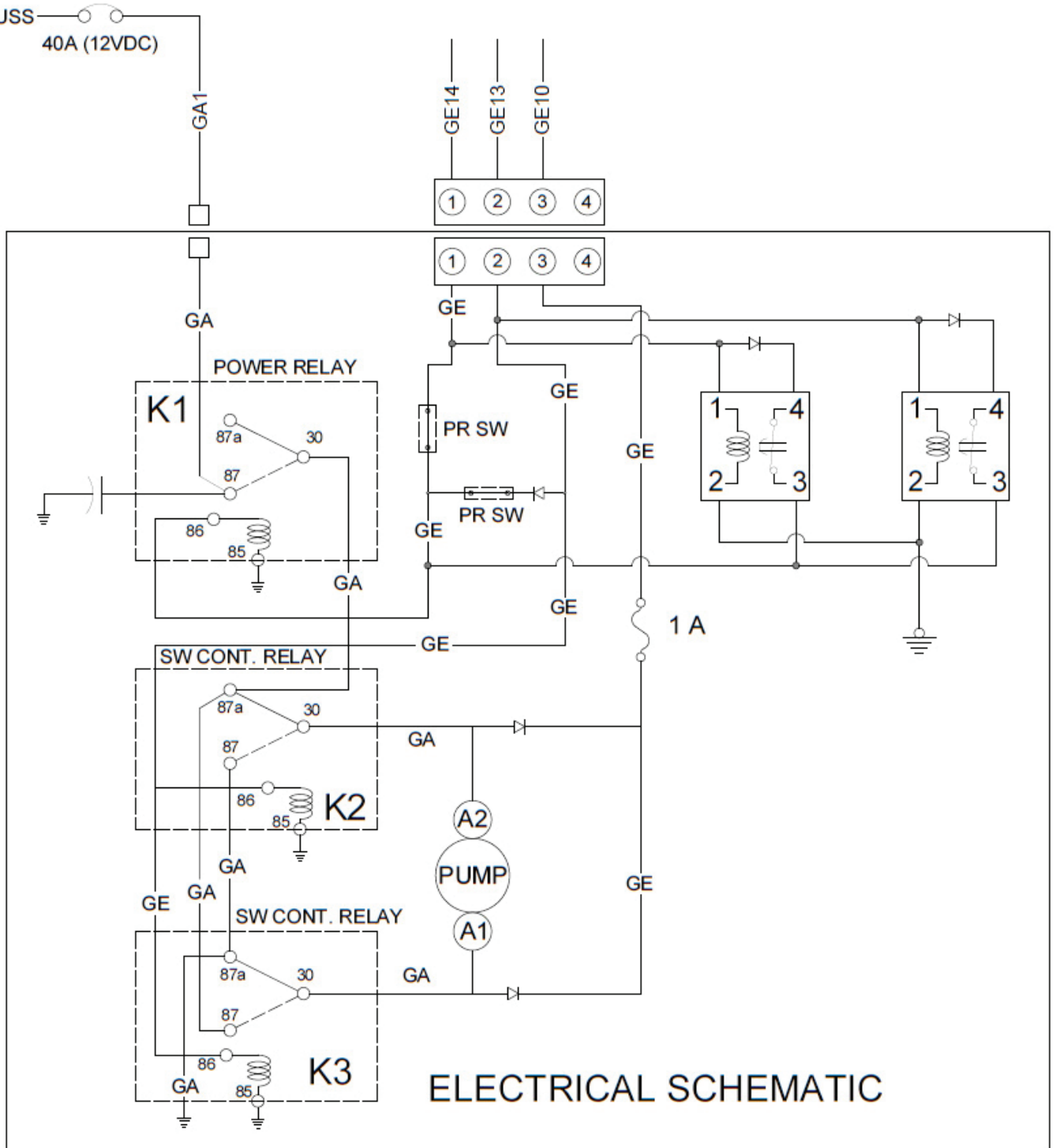
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	1011887	ASSEMBLY, HYDRAULIC POWER PACK, 12V
2	3	AN4-5A	BOLT, 1/4-28, 0.19 GRIP, UNDRILLED, STEEL
3	3	NAS1149F0463P	WASHER, 0.265 ID, 0.063 THK, STEEL
4	2	AN3-5A	BOLT, 10-32, 0.25 GRIP, UNDRILLED, STEEL
5	2	NAS1149F0363P	WASHER, 0.203 ID, 0.063 THK, STEEL



**DISCONTINUED 12 VDC
HYDRAULIC PUMP 21A09000-279**



**NEW 12 VDC
HYDRAULIC PUMP 1011887**



Work Instructions

1. Disconnect aircraft battery.
2. Disconnect single pin Molex connector for GA1 wire.
3. Disconnect 4 pin CPC connector from hydraulic power pack assembly 21A09000-279.
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 21A09000-226 hydraulic line from reservoir to hand pump.
7. Disconnect and cap 21A09000-227 hydraulic lines from pump up and dn ports to cross fittings.
8. Unbolt and remove hydraulic power pack 21A09000-279 from mounting assembly.
9. Install new hydraulic power pack 1011887 using supplied hardware.
10. Re-install hydraulic lines 21A09000-227 onto pump manifold up and dn ports.
11. Re-install hydraulic line 21A09000-266 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 power pack 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 233.