

MANDATORY SERVICE BULLETIN**NUMBER: SB13-07****REVISION: 03****DATE: OCTOBER 8, 2014****SUBJECT: SOFTWARE UPGRADE - OIL TEMPERATURE****EFFECTIVITY:**

KODIAK® 100 Series Aircraft Serial Numbers: 100-0001 thru 100-0103

SUMMARY:

The accompanying Field Service Instruction provides instruction to update the Garmin G1000 System Software which is necessary to support the oil temperature transfer function within the G1000.

COMPLIANCE:

This Mandatory Service Bulletin must be complied with on or before the next 100 Hour Inspection or Annual Inspection, whichever comes first.

Revision Note: Wipline 7000 Float equipped aircraft **MUST** comply with revision 01 of this bulletin. Revision 01 requires operators to upgrade their float equipped aircraft to software version 006-B0552-19 or later, to ensure the float alerts will load and function correctly. Fixed gear equipped aircraft that have previously complied with revision 00 need not comply with revision 01 of this bulletin.

ATTACHED DOCUMENTS:

Document #:	Document Title:
FSI-079	SOFTWARE UPGRADE - OIL TEMPERATURE

FAA APPROVAL STATUS:

The instructions attached to this Service Bulletin have demonstrated compliance with all applicable Federal Aviation Regulations and are approved by the Federal Aviation Administration.

CREDIT AND WARRANTY INFORMATION:

Quest Aircraft Company will reimburse for labor costs associated with this bulletin, up to \$255.00 for aircraft under factory warranty. Refer to Quest's warranty information regarding submitting invoices for reimbursement.

*Quest Customer Service
Service Bulletin SB13-07*

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SPECIAL INSTRUCTIONS:

Quest KODIAK® FSI-087 GARMIN G1000 SYSTEM SOFTWARE UPGRADE PROCEDURE, is attached to this document for reference by an Authorized Garmin Dealer, when performing the software upgrade.



FIELD SERVICE INSTRUCTION

TITLE: Software Upgrade - Oil Temperature
SERIAL RANGE: 100-0001 thru 100-0103
JASC CODE: 3461

PAGE: 1 of 5
REPORT NO.: FSI-079
REVISION: 01

SUBJECT

This Field Service Instruction provides instruction to update the Garmin G1000 System Software which is necessary to support the oil temperature transfer function within the G1000.

AFFECTED MANUALS AND PUBLICATIONS

None

INDUSTRY REFERENCES

None

WEIGHT AND BALANCE

Negligible

MANPOWER

The estimated man-hours and minimum number of persons required to perform this Field Service Instruction are listed below. The "Minimum Persons" refers only to maintenance personnel or installers, and unless otherwise specified within this instruction does not include additional personnel that may be needed solely to comply with safety requirements (for example, safety observers that are not performing tasks within this instruction). It is the responsibility of maintenance personnel to comply with safety requirements, including having a safety observer available as needed.

Estimated Man-hours: 3 hours

Minimum Persons: 1 person

If more than the minimum personnel perform this instruction, the actual man-hours required may be reduced due to increased efficiencies. As appropriate, Quest encourages the use of additional personnel; man-hour estimates are based on the minimum personnel required.

RECORD OF COMPLETION

- Update the appropriate maintenance log books
- Ensure the KODIAK® 100 Pilot's Operating Handbook / Aircraft Flight Manual is up-to-date with the current revision (Rev 12 or later)

Quest Aircraft Company, LLC
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⚠ DISCLAIMER ⚠

The instructions / procedures presented herein are based upon the systems and components of the aircraft when it was delivered from the factory, or as modified by Quest Service Bulletins. Third-party modifications that have affected any component, system, or operating characteristic discussed by this document may invalidate the instructions / procedures provided. Before performing the instructions / procedures herein, examine all Supplemental Type Certificate (STC), Supplemental Type Authority (STA), or equivalently authorized modifications to verify that the instructions/procedures presented in this document can be properly completed. If an aircraft has an STC, STA, or equivalently authorized modification that affects any component, system, or operating characteristic also affected by this document, the operator is responsible for obtaining appropriate regulatory approval before performing the instructions / procedures herein. Quest Aircraft Company cannot be responsible for the quality of work performed in accomplishing the requirements of this document.

If you have any questions as to the applicability of this document to your specific aircraft, contact Quest Customer Service by telephone at (208) 263-1111, toll-free at (866) 263-1112, or via email at CustomerService@QuestAircraft.com



FIELD SERVICE INSTRUCTION

TITLE: Software Upgrade - Oil Temperature

SERIAL RANGE: 100-0001 thru 100-0103

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REVISION: 01

REVISION RECORD

REV	PAGE	CHANGE DESCRIPTION
00	All	Initial Release
01	5	WAS: "update the Garmin G1000 system to software version 006-B0552-18." IS: "update the Garmin G1000 system to software version 006-B0552-19 (airplanes equipped with floats) or 006-B0552-18 or later (airplanes with fixed gear)."



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1. Special Safety Instructions

1.1 Warnings

Failure to comply with “Warnings” contained in this instruction may result in financial loss, significant delay in the completion time, and/or serious injury to personnel.

1.2 Cautions

Failure to comply with “Cautions” contained in this instruction may result in the destruction of components, unnecessary complications, the need to reverse completed work, and/or delays in the completion time.

1.3 Notes

“Notes” are provided when additional information may lead to an increase in efficiency.

2. Parts, Tools, and Equipment

The following tables describe the parts, tools, and equipment necessary to successfully complete this instruction. Where applicable, reference to drawings provided with this instruction is provided.

Table 2-1: Parts and Tools Included in the Service Kit

Item #	Part No.	Qty	Description	Drawing No.	Dwg Item #
2-1-1	N/A	-	N/A	N/A	N/A

Table 2-2: Consumables Included in the Service Kit

Item #	Part No.	Qty	Description	Drawing No.	Dwg Item #
2-2-1	N/A	-	N/A	N/A	N/A

Table 2-3: Serial-Number-Specific Parts Included in the Service Kit

Item #	Part No.	Qty	Description	Drawing No.	Dwg Item #
2-3-1	N/A	-	N/A	N/A	N/A

Table 2-4: Parts and Tools NOT Included in the Service Kit

Item #	Part No.	Qty	Description	Drawing No.	Dwg Item #
2-4-1	Commercially Available	1	SD memory card (greater than 64 MB in capacity)	N/A	N/A



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01

3. General

This Field Service Inspection provides instructions to update the Garmin G1000 system to software version 006-B0552-19 (airplanes equipped with floats) or 006-B0552-18 or later (airplanes with fixed gear). This system upgrade is necessary to improve oil temperature accuracy, especially for cold-soaked aircraft in sub-zero temperatures. This procedure must be performed by an authorized Garmin dealer.

4. Preparation

Contact an authorized Garmin dealer and schedule an appointment for updating the G1000 software version.

5. Instructions

Download and install the Garmin G1000 system software version 006-B0552-19 (airplanes equipped with floats) or 006-B0552-18 or later (airplanes with fixed gear) in accordance with Quest Aircraft Company FSI-087.

6. Completion

Update the appropriate maintenance log books.

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