

SERVICE NOTICE

REVISION RECORD

REV	DATE	PAGE	CHANGE DESCRIPTION
00-08	09/17/2018 (Rev 08)	All	Revisions 00 through 08 are incorporated into Revision 09
09	10/02/2020	All	Removed Quest Aircraft logo from header and replaced with Daher Logo. Updated all instances of company name and its variations from Quest to Kodiak and/or Daher. Updated all instances of Quest Customer Service to KODIAKCARE.
		2	MANUALS WAS: "... and it is the responsibility of the owner to ensure that future maintenance is conducted..." IS: "... and it is the responsibility of the owner to ensure that maintenance is conducted..."
		4	Table 1: Added information for -27 software version

SUBJECT

KODIAK® 100 G1000® Software Configurations and Updates

EFFECTIVITY

Original Effective Date: 09/08/2015

All KODIAK® 100 airplanes not equipped with the Garmin G1000® NXi System

BACKGROUND

This Service Notice is to make customers aware of the different software configurations available for their KODIAK® 100 G1000®-equipped airplane, and to provide user and reference information. Kodiak Aircraft recommends that KODIAK® 100 airplane owners and operators upgrade to the latest software when it becomes available to take advantage of new features and a more robust G1000® system. Refer to Kodiak document FSI-087, Garmin G1000® System Software Upgrade, (available on the KODIAKCARE Customer Portal) or contact KODIAKCARE for additional information.

SOFTWARE PART NUMBER

All aircraft are delivered from the factory with the G1000® software that is most current and applicable at the time of manufacture. The current software version number can be found on the MFD or AUX System Status Page and has the following format:


0552.XX (where XX is the software version number)

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GARMIN LINE REPLACEABLE UNITS (LRU)

Within the system software version 0552.XX, there are two different items:

1. The configuration of each Garmin LRU specific to the KODIAK® 100
2. The Garmin LRU software.

 **NOTE:** Garmin LRU software versions will be discussed in Garmin Service Advisories.

When a new software load is attempted, the Garmin LRU software version that will be installed is displayed on the software loading screen. Note that the latest compatible and FAA approved LRU software version is displayed during this loading process. Some LRUs may not display the latest software versions as listed in **Table 1** due to hardware incompatibility with that software LRU version.

MANUALS

The G1000® software version may be tied to specific maintenance, flight, and/or component manuals. Prior to any software upgrade it is the responsibility of the owner and maintenance technicians to ensure the airplane is equipped with the current flight manual(s), and it is the responsibility of the owner to ensure that maintenance is conducted in accordance with any applicable maintenance or component manuals.

OBTAINING SOFTWARE

New G1000® system software may be obtained and installed at Kodiak Aircraft, a Kodiak Aircraft Service Center, or your local Garmin Authorized Service Center. If your airplane is listed in the applicability section of **Table 1** below and the correct manuals for operation and maintenance are obtained, software may be updated at any time. On occasion, Kodiak Aircraft may issue a Service Bulletin or Service Notice with regard to a specific software configuration upgrade that is needed.


LOADING SOFTWARE

Software should be loaded and configured in accordance with the latest revision of the Kodiak **FSI-087, Garmin G1000® System Software Upgrade** and the **G1000® Integrated Avionics System Line Maintenance Manual (Kodiak Aircraft, Kodiak® 100)**.


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REFERENCE INFORMATION

Table 1: G1000® Software Versions, lists available software and provides descriptive information including changes from the previous software version and possible media changes.



WARNING: There may be software versions published to the Garmin website that are not listed in **Table 1**. However, such software may lack FAA approval for installation on KODIAK® 100 airplanes. Do not install such software on KODIAK® 100 airplanes unless specifically instructed by Kodiak Aircraft.



NOTE: G1000® software versions (and entries in **Table 1**) are numbered sequentially, and each new upgrade includes changes from previous versions. For example, if your G1000® software version is upgraded from Version 10 to Version 14, the final configuration will include all of the changes in Versions 11, 12, 13, and 14.

TABLE 1: G1000® SOFTWARE VERSIONS

Change Note—Change description from previous version.

Release Date—Original release date.

Applicability—The KODIAK® 100 airplane serial number to which the software version is applicable.

LRU Version Level—All of the LRUs whose version changed since the previous software version.

Manuals—The following manuals are associated with this software version listed:

The following manuals must be accessible to the pilot during flight:

1. Garmin *G1000® Cockpit Reference Guide for the Quest KODIAK® 100 (CRG)*, Document No. 190-00645-##¹.
2. Kodiak Aircraft's *KODIAK® 100 Pilot's Operating Handbook / Airplane Flight Manual (POH/AFM)*, Document No. AM902.0 or 100-000-904, Rev. ##¹.

The following manuals provide additional information:

1. Garmin *G1000® Line Maintenance Manual for the DAHER KODIAK® 100 (LMM)*, Document No. 190-01710-00.
2. Garmin *G1000® Pilot's Guide for the Quest KODIAK® 100 (PG)*, Document No. 190-00590-##¹.

##¹—Document Revision (Rev.) number listed in the table below. Manual must be listed Rev. or later.

Media—Part numbers for media (SD Cards) required to be compatible with software version.

*Electronic Trend Data files available on the KODIAKCARE Customer Portal or physical SD cards may be ordered
Updated PN 010-00330-45 Terrain Cards are available on an exchange basis from Kodiak Aircraft Company
when upgrading to -25 or higher software.*

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Software Version	Change Note	Release Date	Applicability	LRU Version Level	Manuals/Media
006-B0552-27	<ul style="list-style-type: none"> Enabled ETA on the MFD Data bar Updated GIA2 discrete in 2 with a 60ms debounce (bug fix) Updated air conditioning logic to prevent compressor from enabling with low Ng. 	AUG 2020	All (See note 2 and 3 prior to loading software)	No change	<ul style="list-style-type: none"> CRG Rev. 09 PG Rev. 09 POH Rev. 22 Trend Data Card 100-820-2054 Database Cards 010-00330-45
006-B0552-26	<ul style="list-style-type: none"> Electronic Checklist option for Aerocet Float option has been added (do not load if Aerocet has not provided an electronic checklist) Added baro-VNAV approach feature New warning for Propeller Ground Operating Restriction (this is to help the pilot be aware of stabilized ground operation in the prohibited range of 450 to 1050 RPM) Added a Fuel Temperature indicator for aircraft equipped with fuel tank float sensors Corrected audio levels for Master Warning and Caution chimes for aircraft with 4 Ohm speakers ADS-B OUT functionality added for GTX 33ES transponders 	OCT 2016	All (See note 2 and 3 prior to loading software)	• GDU 15.12	<ul style="list-style-type: none"> CRG Rev. 09 PG Rev. 09 POH Rev. 18 Trend Data Card 100-820-2054 Database Cards 010-00330-45
006-B0552-25	<ul style="list-style-type: none"> Added support for the ELT 1000 option Change to Low Fuel alerts will reduce nuisance alerts Wipline Float option now requires new checklist file. Added Float Removal Option Added an "Options Loaded" feature for maintenance personnel GMC unit dims via photocell rather than by dimming switch G1000® Stall Alert changed from chime to "STALL" (GFC700 only) 2015 Magnetic Variation database Upgrade to 4.9arc second DB 	JUN 2016	100-0001 through 100-0204 (See note 2 and 3 prior to loading software)	<ul style="list-style-type: none"> GDL69A SXM 5.10 GDU 15.11 GIA 7.80 GTS 3.01 GTX 8.01 GWX68 2.20 	<ul style="list-style-type: none"> CRG Rev. 09 PG Rev. 09 POH Rev. 17 Trend Data Card 100-820-2054 Database Cards 010-00330-45

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Software Version	Change Note	Release Date	Applicability	LRU Version Level	Manuals/Media
006-B0552-23	<ul style="list-style-type: none"> Added support for fuel float sensors Integrated dimming of GMC 710 into baseline Added a CAS message called Stall Warning (GFC700 only) Improved responsiveness of external TAWS Inhibit switch Updated Ice Protection annunciation logic to match <i>POH/AFM</i> Bug fix: High Side current monitor 	SEP 2015	100-0001 through 100-0173	<ul style="list-style-type: none"> GDL69A SXM 5.01 GDU 14.04 GPS 5.0 GTX 7.04 NAV 6.02 	<ul style="list-style-type: none"> CRG Rev. 08 PG Rev. 08 POH Rev. 17 Trend Data Card 100-820-2054 Database Cards 010-00330-43
006-B0552-22	<ul style="list-style-type: none"> Added support for the GFC 700 autopilot and TKS tank in the pod. Improved the Alternator Fail alert (annunciation will occur when alternator amps indicate less than 2 amps.) Modified exceedance logic to record immediately instead of waiting 2 seconds. 	SEP 2014	100-0001 through 100-0155	<ul style="list-style-type: none"> COM 11.10 GDC 3.10 GDL69 4.02 GDU 14.02 GIA 7.6 GIA AUDIO 2.13 GRS 3.04 GSA 3.30 GTX 7.02 GMC 710 3.00 	<ul style="list-style-type: none"> CRG Rev. 07 PG Rev. 07 POH Rev. 15 Trend Data Card 100-820-2054 Database Cards 010-00330-43
006-B0552-19	<ul style="list-style-type: none"> Bug fix: Wipline 7000 options 	MAR 2014	100-0001 through 100-0129	No change	<ul style="list-style-type: none"> CRG Rev. 05 PG Rev. 05 POH Rev. 13 Trend Data Card 100-820-2052 Database Cards 010-00330-43
006-B0552-18	<ul style="list-style-type: none"> Added support for 4 Ohm audio speakers Updated oil temperature indication (see SB13-07) 	SEP 2013	100-0001 through 100-0129	No change	<ul style="list-style-type: none"> CRG Rev. 05 PG Rev. 05 POH Rev. 13 Trend Data Card 100-820-2052 Database Cards 010-00330-43

Note 1: Software version histories prior to 006-B0552-18 have been removed from this Service Notice due to Mandatory SB13-07 requiring aircraft to upgrade to software version 006-B0552-18. Contact KODIAKCARE for more information.

Note 2: Prior to loading software, verify the current GMU software version on the MFD System Status Page in configuration mode (See *LMM* for page location). If the software version is 2.05 or later, continue loading software. If the software version is 2.01 or earlier, load only the GMU 1 and 2 files of software version 06-B0552-23 before loading 006-B0552-25 or -26.

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Note 3: Garmin recommends not loading the GMA 1347 software if it is already at version 4.04 on KODIAK® 100 aircraft with this G1000® software. If the GMA 1347 software is at version 4.04, deselect the GMA 1347 software box on the system upload configuration page before loading the G1000® software. If this step is not taken and the unit becomes unresponsive, installing GMA 1347 software from 006-B0552-22 or 006-B0552-23 may restore operation.

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