SERVICE NOTICE

REVISION RECORD

REV	DATE	PAGE	Change description
00	02/29/2024	All	Initial release
01	10/24/2024	1	Updated the email address for Customer Service. WAS: kodiakcare@daher.com IS: care@daher.com
		3	Table 1-1: Enablement Cards Removed "Terrain Database" card Updated part numbers for CMC and CVDR cards
		4	Removed Warning Box
		5	Table 1-2: G1000® NXi Software 006-B4000 Added all information for software version 006-B4000-03
		7-8	Added section with descriptive text for Audio Routing Configuration
02	04/17/25	ALL	Corrected minor typos and formatting issues
		3	Table 1-1: Enablement Cards Added column: Applicable to NXi 006-B40000-5X Added rows for the following Part Numbers: 010-00330-DK, 010-00330-FG, 010-00330-HK, 010-00330-JA, and 010-00330-JC.
		4	In NOTE, added cross-reference to Table 1-3
		5	Table 1-2: G1000® NXi Software 006-B4000 Removed two (2) rows: 006-B4000-04 and 006-B40000-03 Added row and all information for 006-B40000-04
		6	Added manuals associated with Software 006-B4000-5X. Includes manuals that must be accessible to the piloto during flight, and manuals that provide additional information. Added associated Table 1-3: G1000® NXi Software 006-B4000-5X. All subsequent tables renumbered.
		7	Updated Applicability range in Table 1-4: G1000® NXi Phase 3 Software 006-B4000-0X Loader Card Checklist. WAS: K2-0002 and up IS: K2-0002 thru K2-0019
		8	Added Table 1-5: G1000® NXi Phase 3 Software 006-B4000-5X Loader Card Checklist.
		10	Added paranthetical to second paragraph of "Audio Routing Configuration. WAS: ...By default, the option for passengers to hear COMs... IS:...By default (software 0006-B4000-02, 006-B4000-04), the option for passengers to hear COMs...

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Kodiak Care
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SERVICE NOTICE

SUBJECT

Garmin G1000® NXi software configurations and updates for the Kodiak 900.

EFFECTIVITY

Original Effective Date: 07/01/2022

All Kodiak 900 airplanes equipped with the Garmin G1000® NXi system.

BACKGROUND

This Service Notice is to make customers aware of the different software configurations, user, and reference information that is available for their Kodiak 900 Garmin G1000® NXi equipped airplane. Kodiak Aircraft Company recommends that airplane owners and operators upgrade to the latest software when it becomes available to take advantage of new features and more robust G1000® NXi systems. Contact Kodiak Aircraft Company for additional information.

SOFTWARE PART NUMBER

All airplanes are delivered from the factory with the most current Kodiak 900 system software that is applicable at the time of manufacture. The current software version number can be found on the Multi Function Display (MFD) or Auxiliary (AUX) System Status Page and has the following formats:

> B4000.XX (where XX is the software version number).

GARMIN LINE REPLACEABLE UNITS (LRU)

Within the system software versions B4000.XX there are two (2) different items:

1. The Configuration of each Garmin LRU specific to Kodiak 900.
2. The Garmin LRU Software.

─── **NOTE** ───

Garmin LRU software versions will be discussed in Garmin Service Advisories.

When a new system 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 FAA-approved LRU software version is displayed during this loading process. Some LRUs may not display the latest software version for your unit, as shown within the applicable table of this document, due to hardware incompatibility with the software version of that LRU.

MANUALS

The Kodiak 900 Garmin G1000® NXi system 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

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maintenance technicians to make sure the airplane is equipped with the current flight manual(s), and it also is the responsibility of the owner to make sure that future maintenance is conducted in accordance with any applicable maintenance or component manuals.

OBTAINING SOFTWARE

New Garmin G1000® NXi system software may be obtained and installed at a Kodiak Authorized Service Center or your local Garmin Authorized Service Center. If your airplane is listed in the applicability section of the tables within this document, and the correct manuals for operation and maintenance are obtained, software may be updated at any time.

On occasion, Kodiak Aircraft Company may issue a Service Bulletin or Service Notice with regard to a specific software configuration upgrade that is needed.

ENABLEMENT CARDS

Each software branch has associated enablement cards to unlock various features and/or apply special configuration settings. Some of the enablement cards are common for all software branches, while other enablement cards may be unique to a software branch. See **Table 1–1: Enablement Cards**.

Table 1–1: Enablement Cards

Part Number	Description	Applicable to NXi 006-B4000-0X	Applicable to NXi 006-B4000-5X
010-00330-50	Chartview	✓	✓
010-00330-51	TAWS-B	✓	✓
010-00330-55	SVS	✓	✓
010-00330-58	Aux Video	✓	✓
010-00330-59	Enhanced SAR	✓	
010-00330-5A	EAFCS Unlock	✓	✓
010-00330-DB	CMC	✓	
010-00330-DD	GMA Delete	✓	✓
010-00330-DK	CMC		✓
010-00330-FG	Enhanced SAR		✓
010-00330-HG	CVDR	✓	
010-00330-HK	CVDR		✓
010-00330-J9	GWX 75 TD and GCS	✓	
010-00330-JA	GWX 8000 Auto Mode, Hail and Lightning Enable		✓
010-00330-JC	GWX 8000 GCS, TD Enable		✓
010-00330-KA	Surface Watch	✓	✓

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REFERENCE INFORMATION

Table 1–2 lists available software and provides descriptive information, including changes from the previous software versions and possible media changes.

Change Note—Change description from previous version.

Release Date—Original release date.

Applicability—The Kodiak 900 airplane serial number to which the software version is applicable.

LRU Version Level—All LRUs having a version change since the previous software version.

Media—Part numbers for media (SD Cards) required to be compatible with software version. Electronic Trend Data files are available on the Kodiak Care Customer Portal or physical SD cards may be ordered.

NOTE

G1000® NXi software versions (and entries in **Table 1-2** and **Table 1–3**) are numbered sequentially. Each new upgrade includes changes from previous versions. For example, if your G1000® NXi 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.

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

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

1. *Garmin G1000® NXi Cockpit Reference Guide, Kodiak 900, SSV 4000.00 or later (CRG)*,
   Document No. 190-02808-01-XX[1].

2. *Pilot's Operating Handbook and FAA Approved Airplane Flight Manual, Kodiak 900 (POH)*,
   Document No. AM921.0 R-XX[1]

The following manuals provide additional information:

1. *Garmin G1000® NXi Pilot's Guide, Kodiak 900, SSV 4000.00 or later (PG)*,
   Document No. 190-02807-01-XX[1].

2. *Garmin G1000® NXi Integrated Avionics System Line Maintenance Manual, Kodiak 900, SSV 4000.00 or later (LMM)*,
   Document No. 190-02838-01-XX[1].

XX[1] – Document Revision (Rev.) number listed in the table below. Manual must be listed Rev. (or later).

Table 1–2: G1000® NXi Software 006-B4000-0X

Software Version	Change Note	Release Date	Applicability	LRU Version Level	Manuals/Media
006-B4000-04	• Updates to correct TKS nuisance alerts and TKS DAT Calibration	FEB 2025	K2-0001 thru K2-0019	• GDC 1&2 – 2.08 • GDL 69A SXM – 5.50 • GDUs (MFD, PFD1&2) – 20.94 • GEA 71B – 2.60 • GIA 64 – 2.0B • GMA 1&2 – 5.26D • GMC 710 – 3.00 • GMU 44B 1&2 – 2.00 • GRS 1&2 – 2.09 • GSA 1, 2, 3&4 – 3.30 • GTS 800 – 4.12 • GTX 345R-01 – 2.54 • GWX 75 – 2.50	• CRG Rev A • PG Rev A • LMM Rev 1 • POH Rev 01 • Trend Data Card 100-820-2093 (v1.9) • Enablement Cards (refer to **Table 1-1:** Enablement Cards)

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

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

1. *Garmin G1000® NXi Cockpit Reference Guide, Kodiak 900, SSV 4000.50* or later (CRG), Document No. 190-02808-02-XX[1].

2. *Pilot's Operating Handbook and FAA Approved Airplane Flight Manual, Kodiak 900* (POH), Document No. AM921.0 R-XX[1]

The following manuals provide additional information:

1. *Garmin G1000® NXi Pilot's Guide, Kodiak 900, SSV 4000.50* or later (PG), Document No. 190-02807-02-XX1.

2. *Garmin G1000® NXi Integrated Avionics System Line Maintenance Manual, Kodiak 900, SSV 4000.50* or later (LMM), Document No. 190-02838-02-XX1.

XX[1] – Document Revision (Rev.) number listed in the table below. Manual must be listed Rev. (or later).

Table 1–3: G1000® NXi Software 006-B4000-5X

Software Version	Change Note	Release Date	Applicability	LRU Version Level	Manuals/Media
006-B4000-51	• Initial release software for Model Year 2025 Kodiak 900 production airplanes.	FEB 2025	K2-0001, K2-0020 and up	• GDC 1&2 – 2.08 • GDL 60 – 2.30 • GDL 69A SXM – 5.70 • GDUs (MFD, PFD1&2) – 32.31.01.00 • GEA 71B – 2.90 • GIA 64 – 2.61 • GMA 1&2 – 5.55 • GMC 710 – 3.00 • GMU 44B 1&2 – 2.01 • GRA 5500 – 2.55 • GRS 1&2 – 2.12 • GSA 1, 2, 3&4 – 3.58 • GTS 800 – 5.02 • GTX 345R-01 / 345D – 2.80 • GWX Processor – 2.60	• CRG Rev A • PG Rev A • LMM Rev 1 • POH Rev 03 • Trend Data Card 100-820-2093 (v1.9) • Enablement Cards (refer to **Table 1-1**: Enablement Cards)

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LOADING SOFTWARE

Software should be loaded and configured in accordance with the applicable revision of the Garmin *G1000® NXi Integrated Avionics System Line Maintenance Manual*.

Table 1–4 and **Table 1–5** may be used as a guide or checklist for loading software to the NXi system.

Table 1–4: G1000® NXi Phase 3 Software 006-B4000-0X Loader Card Checklist

Loader Card Item	Applicability	Notes
Kodiak 900 Baseline Configuration	K2-0002 thru K2-0019	Mandatory load.
Daher Kodiak - AFCS Option		Mandatory load.
Daher Kodiak - FS 510 Installation Option		Mandatory load.
Daher Kodiak - ELT 1000 Option		Mandatory load.
Daher Kodiak - Set Default DAT Calibration		Load this option only if the DAT Calibration needs to be reset.
Daher Kodiak - Set Default Fuel Calibration		Load this option only if the fuel calibration needs to be reset.
Daher Kodiak - GTS 800 Single Antenna Installation Option		Load this option only if GTS 800 Single Antenna Traffic Awareness System has been installed.
Daher Kodiak - GTS 800 Dual Antenna Installation Option		Load this option only if GTS 800 Dual Antenna Traffic Awareness System has been installed.
Daher Kodiak - WX-500 Stormscope Installation Option		Load this option only if WX-500 Stormscope system is installed on the airplane.
Daher Kodiak - GDL 69A SXM Installation Option		Load this option only if GDL 69A SXM Radio/ Weather Datalink system is installed on the airplane.
Daher Kodiak - TKS		Load this option only if FIKI system is installed on the airplane.
Daher Kodiak - GWX™ 75 WX RADAR Installation Option		Load this option only if GWX 75 Weather Radar has been installed.
Activate Garmin FliteCharts® Only (Disable Dual Charts and ChartView™)		Load this option if dual charts feature or ChartView only was installed and the operator wants to use Garmin FliteCharts only. This removes ChartView database messages from appearing.
Daher Kodiak - COM3 Option		Load this option for COM 3 enablement.
Daher Kodiak - F/W Installation Option		Load this option only for Fish and Wildlife airplane.

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Table 1–5: G1000® NXi Phase 3 Software 006-B4000-5X Loader Card Checklist

Group	Option	Applicability	Notes
01 - Baseline	K900 Baseline		Mandatory load.
02 - ADAHRS	K900 GSU 75		Mandatory load.
03 - Autopilot	K900 - GFC 700		Mandatory load.
04 - Transponder	K900 GTX 345DR		If equipped with GTX 345DR Diversity Transponder.
	K900 GTX 345R-01		If equipped with GTX 345R-01 Transponder
05 - Audio Panel	COM3 Enable		Load this option for COM 3 enablement
06 - Datalink	K900 GDL 69A SXM		If equipped with GDL 69A SXM Radio / Weather Datalink.
	GDL 60 K900		If equipped with GDL 60.
07 - WX Radar	GWX Processor K900		If equipped with GWX Weather Radar
08 - Airborne Traffic	GTS 800 Single Antenna	K2-0001, K2-0020 and up	If equipped with GTS 800 single antenna (no GDL 69 installed).
	GTS 800 Dual Antenna GDL 69		If equipped with GTS 800 dual antenna and GDL 69 installed.
	GTS 800 Single Antenna GDL 69		If equipped with GTS 800 single antenna GDL 69 installed.
	GTS 800 Dual Antenna		If equipped with GTS 800 dual antenna (no GDL 69 installed).
09 - Ice Protection	K900 - TKS		If equipped with TKS/FIKI system
10 - Navigation Options	DME		If equipped with DME.
	GRA 55		If equipped with GRA 55 Radar Altimeter.
11 - Misc Options	Garmin FliteCharts Only (Disable Dual Charts and ChartView)		Load this option if dual charts feature or ChartView only was installed and the operator wants to use Garmin FliteCharts only. This removes ChartView database messages from appearing.
	Set Default DAT Calibration		Load this option only if the DAT Calibration needs to be reset.
	Set Default FUEL Calibration		Load this option only if the fuel Calibration needs to be reset.
	WX-500 Stormscope		If equipped with WX-500 Stormscope
	GMA 1360 BB Update		Load this option if GMA 1/2 and GMA AUX 1/2 Boot Block software are not at version 5.27D on the System Status page.

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THIRD-PARTY ENABLEMENT AND CONFIGURATION

Prior to loading any new software, review the airframe logbook/"load history" for any STC or third-party enablements or configuration changes. These will need to be reloaded/re-performed after a new software load.

UNSWITCHED AUDIO CONFIGURATION

Unswitched audio inputs are not selectable from the GMA audio panels and cannot be muted/disabled. These are typically used for alerts that need to be heard by the flight crew.

Unswitched audio inputs are available for third-party audio use. Port/pin availability and usage by Serial Number range for the GMA audio panels is shown in **Table 1–6**. As third-party audio input levels may vary, the input volume can be adjusted on the GMA Configuration page while in configuration mode. Adjust the audio level subjectively to match system caution and warning chimes. It is not recommended to splice into any existing Garmin G1000® unswitched audio lines.

Table 1–6: Unswitched Audio Input Availability

Audio Panel	Connector	Pin	Pin Name/Description	Kodiak 900 Serial Number Range
GMA 1360D	1P3471 2P3471	3	Alert 2 Audio in HI	Available
		4	Alert 2 Audio in LO	Available
		19	Alert 4 Audio in HI	Reserved, K2-0001 and up
		20	Alert 5 Audio in HI	Reserved, K2-0001 and up
		38	Alert 3 Audio in HI	Available
		39	Alert 3, 4, 5 Audio in LO	Reserved, K2-0001 and up
		54	Alert 1 Audio in HI	Available
		55	Alert 1 Audio in LO	Available

AUDIO ROUTING CONFIGURATION

The audio panel is a configurable device with multiple audio inputs and outputs. The GMA software provides a "mixer" that allows for sending any combination of audio inputs to each output. The mixer routes the audio stream based on mapping done in the Audio Routing and Control/Configuration (ARC). The ARC handles commands from controllers (e.g. "select COM2"), keeps track of the current state (e.g. what audio is or is not selected), and uses that state to tell the mixer to start or stop mixing specified inputs to specified outputs.

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The ARC is accessible in configuration mode on the GMA Options page. Depending on operations, users may require unique audio routing configurations to meet their needs. By default (software 006-B4000-02, 006-B4000-04), the option for passengers to hear COMs is disabled; however, passengers can be sent COM audio by doing the following procedure:

1. Power up the G1000 in configuration mode, then navigate to the "GMAx36x > GMA Options" page.
2. Press FMS knob to select "ARC Options Configuration".
3. Use inner FMS knob to scroll down to "Send Selected COM to Passengers (while in ICS)".
4. Press the ENT key to activate cursor.
5. Use inner FMS knob to select "ON" from pop-up menu, then press ENT key.
6. Press "Set > GMA 1" softkey to configure GMA 1, then "Set > GMA 2" to configure GMA 2.
7. Make sure both GMAs are set to ON.
8. Navigate to "System > System Upload" page.
9. Press "UPDT CFG" softkey.
10. Navigate to "System > Configuration Manager" page.
11. Press "CNFM CFG" softkey.
12. Restart G1000 in normal mode.