

## SERVICE NOTICE

### REVISION RECORD

REV	DATE	PAGE	Change description
00	04/08/2021	All	Initial release
01	02/21/2023	All	Updated the format of Note, Caution, and Warning boxes
		4	Table 1-1, revised software applicability for version 006-B0552-27
		5	Table 1-1, revised software applicability for version 006-B0552-26
		7	Table 1-2, added Software Version 006-B2633-10 and descriptions
		7	Table 1-2, revised Manuals/Media for Software Version 006-B2633-01
		8	Table 1-2, revised Manuals/Media for Software Version 006-B2633-00
		9	Table 1-3, removed Software Version 006-B2634-06 and prior. Added Software Version 006-B2634-07 and 006-B2634-08.
02	07/12/2023	All	Minor grammatical corrections throughout. Replaced the word "ensure" with the words "make sure". Replaced multiple instances of "aircraft" with "airplane(s)". Replaced instances of "Cargo Pod" with "External Cargo Compartment".
		4 - 5	Added ENABLEMENT CARDS Section, including table
		4	Removed LOADING SOFTWARE Section
		5	REFERENCE INFORMATION Section updated: WAS: Tables 1 through 3 IS: <b>Table 1–2</b> through <b>Table 1–4</b>
		6	REFERENCE INFORMATION Section, Warning and Note boxes updated: WAS: Tables 1 through 3 IS: <b>Table 1–2</b> through <b>Table 1–4</b>
			Table 1-2: G1000® LEGACY SOFTWARE 006-B0552, Manuals Added Garmin G1000 Integrated Avionics System Line Maintenance Manual, DAHER KODIAK 100 (LMM), Document No. 190-01710-00## <sup>1</sup>
		7	Table 1-2: G1000® LEGACY SOFTWARE 006-B0552 Added Software Version 006-B0552-29 with details
			Table 1-2: G1000® LEGACY SOFTWARE 006-B0552 Updated Manual/Media for Software Version 006-B0552-27 Updated Manual/Media for Software Version 006-B0552-26
		8	Table 1-2: G1000® LEGACY SOFTWARE 006-B0552 Updated Manual/Media for Software Version 006-B0552-25 Updated Manual/Media for Software Version 006-B0552-23 Updated Manual/Media for Software Version 006-B0552-22 Updated Manual/Media for Software Version 006-B0552-19
		9	Table 1-2: G1000® LEGACY SOFTWARE 006-B0552 Updated Manual/Media for Software Version 006-B0552-18
			Table 1-2: G1000® LEGACY SOFTWARE 006-B0552 Note 2 and Note 3: Added, "For software version -27 and prior,..."

**Kodiak Aircraft Company**  
1200 Turbine Drive  
Sandpoint, Idaho 83864

**Kodiak Care**  
Toll Free: 1 (866) 263-1112  
Email: [kodiakcare@daher.com](mailto:kodiakcare@daher.com)

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02	07/12/2023	10	Table 1-3: G1000® NXi Software 006-B2633, Manuals Added Garmin G1000® NXi Integrated Avionics System Line Maintenance Manual, Kodiak 100 (LMM), Document No. 190-02102-00 Added Garmin G1000® NXi Integrated Avionics System Line Maintenance Manual, Daher Kodiak 100 (LMM), Document No. 190-02967-00
			Table 1-3: G1000® NXi Software 006-B2633 Added Software Version 006-B2633-12 with details
		11	Table 1-3: G1000® NXi Software 006-B2633 Updated Manual/Media for Software Version 006-B2633-10 Updated Manual/Media for Software Version 006-B2633-01 Updated Manual/Media for Software Version 006-B2633-00
			Added Note 1: Software versions prior...
		12	Table 1-4: G1000® NXi Software 006-B2634, Manuals Added Garmin G1000® NXi Integrated Avionics System Line Maintenance Manual, Kodiak 100 Document No. 190-02102-00 Added Garmin G1000® NXi Integrated Avionics System Line Maintenance Manual, Kodiak 100 Document No. 190-02102-01
		13	Table 1-4: G1000® NXi Software 006-B2634 Updated Manual/Media for Software Version 006-B2634-08 Updated Manual/Media for Software Version 006-B2634-07
			Table 1-4: G1000® NXi Software 006-B2634, Note 1 Removed the words, "due to the default software resetting the fuel calibration data"
		14 - 21	Added LOADING SOFTWARE section, including Table 1-5 through Table 1-7
		22	Added THIRD-PARTY ENABLEMENT AND CONFIGURATION section Added UNSWITCHED AUDIO CONFIGURATION section Added Table 1-8: Unswitched Audio Input Availability
		23	Added Figure 1-1: GMA Configuration
03	08/10/2023	7	Table 1-2: G1000 Legacy Software 006-B0552 Updated Manuals/Media for Software Version 006-B0552-29 Updated Manuals/Media for Software Version 006-B0552-27
		10	Table 1-3: G1000® NXi Software 006-B2633 Updated Manual/Media for Software Version 006-B2633-12
04	09/20/2023	10	Table 1-3: G1000® NXi Software 006-B2633 Added Software Version 006-B2633-13 with details

## SUBJECT

Garmin G1000® software configurations and updates for the Kodiak 100. This Service Notice Incorporates, Supersedes, and Obsoletes: SN15-01, SN18-02, and SN19-02.

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### **EFFECTIVITY**

Original Effective Date: 04/08/2021

All Kodiak 100 aircraft equipped with a Garmin G1000® system and G1000® NXi systems.

### **BACKGROUND**

This Service Notice is to make customers aware of the different software configurations, user, and reference information that is available for their Kodiak 100 Garmin G1000® 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® systems. Contact Kodiak Aircraft Company for additional information.

### **SOFTWARE PART NUMBER**

All airplanes are delivered from the factory with the most current Kodiak 100 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:

B0552.XX, B2633.XX, and B2634.XX (where XX is the software version number).

### **GARMIN LINE REPLACEABLE UNITS (LRU)**

Within the system software versions B0552.XX, B2633.XX, and B2634.XX, there are two different items:

1. The Configuration of each Garmin LRU specific to Kodiak 100.
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 100 Garmin G1000® 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 maintenance technicians to make sure the airplane is equipped with the current flight manual(s), and it

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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® system software may be obtained and installed at Kodiak Aircraft Company, a Daher 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**.

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Table 1–1: Enablement Cards

Part Number	Description	Applicable to NXi Phase 2-3 006-B2634-XX	Applicable to NXi Phase 1 & Retrofit 006-B2633-XX	Applicable to Legacy 006-B0552-XX
010-00330-45	Terrain Database	✓	✓	✓ <sup>1</sup>
010-00330-50	Chartview Only	✓	✓	✓
010-00330-51	TAWS-B	✓	✓	✓
010-00330-52	Search and Rescue (SAR)	✓	✓	✓
010-00330-55	SVS	✓	✓	✓
010-00330-58	Aux Video	✓	✓	✓
010-00330-59	Enhanced SAR	✓	✓	✓
010-00330-5A	EAFCS Unlock	✓	✓	✓
010-00330-D1	GWX 70R TD and GCS	✓	✓	
010-00330-DD	GMA Delete	✓		
010-00330-DK	CMC	✓	✓	
010-00330-DL	GMA Delete		✓	
010-00330-DM	GMA Delete			✓
010-00330-HB	CVDR			✓
010-00330-HH	CVDR	✓		
010-00330-HJ	CVDR		✓	
010-00330-J9	GWX 75 TD and GCS	✓	✓	
010-00330-KA	Surface Watch	✓	✓	
006-B2633-55 <sup>2</sup>	3-bladed MT Propeller	✓	✓	✓
006-B2633-56 <sup>2</sup>	Hartzell 5-Blade Propeller	✓	✓	✓

1: Must have -25 software or higher

2: Supplemental Type Certificates (STCs) for propeller replacement

## REFERENCE INFORMATION

Table 1–2 through Table 1–4 list available software and provide 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 100 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.

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### WARNING

There may be software versions published to the Garmin website that are not listed in Table 1–2 through Table 1–4 . 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.

### NOTE

G1000® software versions (and entries in Table 1–2 through Table 1–4 ) are numbered sequentially. 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 1–2: G1000® LEGACY SOFTWARE 006-B0552

**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-##<sup>1</sup>.
2. **KODIAK® 100 Pilot's Operating Handbook and FAA Approved Airplane Flight Manual (POH)**, Document No. AM901.0 R-##<sup>1</sup>

The following manuals provide additional information:

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

##<sup>1</sup> – Document Revision (Rev.) number listed in the table below. Manual must be listed Rev. (or later).

### NOTE

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-B0552-29	<ul style="list-style-type: none"> <li>Updated Exceedance Logging criteria to remove nuisance trips</li> <li>Updated zero fuel weight from 6,490 to 7,071 lb</li> <li>Updated to prevent GMA bricking when reloading software</li> <li>Added DME option</li> <li>Updated with more Loader Options, refer to LMM</li> <li>Updated to correct GMC fail issue during software load</li> <li>Updated splash screen</li> <li>Updated NP, ITT, Torque, and NG CAS triggers to better align with the <i>POH</i></li> <li>Support for 3-bladed and 5-bladed STC propeller options</li> <li>Allow Weight and Position on MFD Aux-System Page</li> <li>Updated audio levels</li> </ul>	JUN 2023	100-0001 thru 100-0245	<ul style="list-style-type: none"> <li>GIA 7.80.4</li> <li>GRS 3.08</li> </ul>	<ul style="list-style-type: none"> <li>CRG Rev. 09</li> <li>PG Rev. 09</li> <li>LMM Rev. G</li> <li>POH Rev. 19</li> <li>Trend Data Card 100-820-2054 (v1.4)</li> <li>Enablement Cards (refer to <b>Table 1-1</b>)</li> </ul>
006-B0552-27	<ul style="list-style-type: none"> <li>Enabled ETA on the MFD Data bar</li> <li>Updated GIA2 discrete in 2 with a 60ms debounce (bug fix)</li> <li>Updated air conditioning logic to prevent compressor from enabling with low Ng</li> </ul>	AUG 2020	100-0001 thru 100-0245 (See note 2 and 3 prior to loading software)	No change	<ul style="list-style-type: none"> <li>CRG Rev. 09</li> <li>PG Rev. 09</li> <li>LMM Rev. E</li> <li>POH Rev. 19</li> <li>Trend Data Card 100-820-2054 (v1.4)</li> <li>Database Cards 010-00330-45</li> </ul>
006-B0552-26	<ul style="list-style-type: none"> <li>Electronic Checklist option for Aerocet Float option has been added (do not load if Aerocet has not provided an electronic checklist)</li> <li>Added baro-VNAV approach feature</li> <li>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)</li> <li>Added a Fuel Temperature indicator for airplanes equipped with fuel tank float sensors</li> <li>Corrected audio levels for Master Warning and Caution chimes for airplanes with 4 Ohm speakers</li> <li>ADS-B OUT functionality added for GTX 33ES transponders</li> </ul>	OCT 2016	100-0001 thru 100-0245 (See note 2 and 3 prior to loading software)	<ul style="list-style-type: none"> <li>GDU 15.12</li> </ul>	<ul style="list-style-type: none"> <li>CRG Rev. 09</li> <li>PG Rev. 09</li> <li>LMM Rev. D</li> <li>POH Rev. 18</li> <li>Trend Data Card 100-820-2054</li> <li>Database Cards 010-00330-45</li> </ul>

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Software Version	Change Note	Release Date	Applicability	LRU Version Level	Manuals/Media
006-B0552-25	<ul style="list-style-type: none"> <li>Added support for the ELT 1000 option</li> <li>Change to Low Fuel alerts will reduce nuisance alerts</li> <li>Wipline Float option now requires new checklist file</li> <li>Added Float Removal Option</li> <li>Added an "Options Loaded" feature for maintenance personnel</li> <li>GMC unit dims via photocell rather than by dimming switch</li> <li>G1000® Stall Alert changed from chime to "STALL" (GFC700 only)</li> <li>2015 Magnetic Variation database</li> <li>Upgrade to 4.9arc second DB</li> </ul>	JUN 2016	100-0001 thru 100-0204 (See note 2 and 3 prior to loading software)	<ul style="list-style-type: none"> <li>GDL69A SXM 5.10</li> <li>GDU 15.11</li> <li>GIA 7.80</li> <li>GTS 3.01</li> <li>GTX 8.01</li> <li>GWX68 2.20</li> </ul>	<ul style="list-style-type: none"> <li>CRG Rev. 09</li> <li>PG Rev. 09</li> <li>LMM Rev. D</li> <li>POH Rev. 17</li> <li>Trend Data Card 100-820-2054</li> <li>Database Cards 010-00330-45</li> </ul>
006-B0552-23	<ul style="list-style-type: none"> <li>Added support for fuel float sensors</li> <li>Integrated dimming of GMC 710 into baseline</li> <li>Added a CAS message called Stall Warning (GFC700 only)</li> <li>Improved responsiveness of external TAWS Inhibit switch</li> <li>Updated Ice Protection annunciation logic to match POH</li> <li>Bug fix: High Side current monitor</li> </ul>	SEP 2015	100-0001 thru 100-0173	<ul style="list-style-type: none"> <li>GDL69A SXM 5.01</li> <li>GDU 14.04</li> <li>GPS 5.0</li> <li>GTX 7.04</li> <li>NAV 6.02</li> </ul>	<ul style="list-style-type: none"> <li>CRG Rev. 08</li> <li>PG Rev. 08</li> <li>LMM Rev. C</li> <li>POH Rev. 17</li> <li>Trend Data Card 100-820-2054</li> <li>Database Cards 010-00330-43</li> </ul>
006-B0552-22	<ul style="list-style-type: none"> <li>Added support for the GFC 700 autopilot and TKS tank in the pod</li> <li>Improved the Alternator Fail alert (annunciation will occur when alternator amps indicate less than 2 amps)</li> <li>Modified exceedance logic to record immediately instead of waiting 2 seconds</li> </ul>	SEP 2014	100-0001 thru 100-0155	<ul style="list-style-type: none"> <li>COM 11.10</li> <li>GDC 3.10</li> <li>GDL69 4.02</li> <li>GDU 14.02</li> <li>GIA 7.6</li> <li>GIAAUDIO 2.13</li> <li>GRS 3.04</li> <li>GSA 3.30</li> <li>GTX 7.02</li> <li>GMC 710 3.00</li> </ul>	<ul style="list-style-type: none"> <li>CRG Rev. 07</li> <li>PG Rev. 07</li> <li>LMM Rev. B</li> <li>POH Rev. 15</li> <li>Trend Data Card 100-820-2054</li> <li>Database Cards 010-00330-43</li> </ul>
006-B0552-19	<ul style="list-style-type: none"> <li>Bug fix: Wipline 7000 options</li> </ul>	MAR 2014	100-0001 thru 100-0129	No change	<ul style="list-style-type: none"> <li>CRG Rev. 05</li> <li>PG Rev. 05</li> <li>LMM Rev. B</li> <li>POH Rev. 13</li> <li>Trend Data Card 100-820-2052</li> <li>Database Cards 010-00330-43</li> </ul>



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Software Version	Change Note	Release Date	Applicability	LRU Version Level	Manuals/Media
006-B0552-18	<ul style="list-style-type: none"> <li>Added support for 4 Ohm audio speakers</li> <li>Updated oil temperature indication (see SB13-07)</li> </ul>	SEP 2013	100-0001 thru 100-0129	No change	<ul style="list-style-type: none"> <li>CRG Rev. 05</li> <li>PG Rev. 05</li> <li>LMM Rev. B</li> <li>POH Rev. 13</li> <li>Trend Data Card 100-820-2052</li> <li>Database Cards 010-00330-43</li> </ul>

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

Note 2: For software versions -27 and prior, before loading software, verify the current GMU software version on the MFD System Status Page (See the **G1000® Integrated Avionics System Line Maintenance Manual** 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.

Note 3: For software versions -27 and prior, Garmin recommends not loading the GMA 1347 software if it is already at version 4.04 on Kodiak 100 airplanes 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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**Table 1–3: G1000® NXi Software 006-B2633**

**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® NXi Cockpit Reference Guide, Kodiak 100 (CRG)**,  
Document No. 190-02101-##<sup>1</sup>.
2. **KODIAK® 100 Pilot's Operating Handbook and FAA Approved Airplane Flight Manual (POH)**,  
Document No. AM901.0 R-##<sup>1</sup>

The following manual provides additional information:

1. **Garmin G1000® NXi Pilot's Guide, Kodiak 100 (PG)**,  
Document No. 190-02100-##<sup>1</sup>.
2. **Garmin G1000® NXi Integrated Avionics System Line Maintenance Manual, Kodiak 100 (LMM)**,  
Document No. 190-02102-00.
3. **Garmin G1000® NXi Integrated Avionics System Line Maintenance Manual, Daher Kodiak 100 (LMM)**,  
Document No. 190-02967-00.

##<sup>1</sup> – Document Revision (Rev.) number listed in the table below. Manual must be the listed Rev. (or later).

Software Version	Change Note	Release Date	Applicability	LRU Version Level	Manuals/Media
006-B2633-13	<ul style="list-style-type: none"> <li>• Updated configuration GWX 68 Options</li> </ul>	SEP 2023	100-0246 thru 100-0274, FSI-149, FSI-156, FSI-180	No change	<ul style="list-style-type: none"> <li>• CRG R-01</li> <li>• PG R-01</li> <li>• LMM 190-02967-00_R-3</li> <li>• POH R-19</li> <li>• Trend Card 100-820-2093 (v1.9)</li> <li>• Enablement Cards (refer to <b>Table 1–1</b> )</li> </ul>
006-B2633-12	<ul style="list-style-type: none"> <li>• Updated Skywatch Option to be compatible with GTX 345R</li> <li>• Inhibit ADSB traffic alerts below 500 ft AGL</li> <li>• Engine Cycle Counter Added</li> <li>• Updated audio speaker levels</li> <li>• Updated GTX 345 ADS-B</li> </ul>	JUN 2023	100-0246 thru 100-0274, FSI-149, FSI-156, FSI-180	• GTX ADS-B - 3.32	<ul style="list-style-type: none"> <li>• CRG R-01</li> <li>• PG R-01</li> <li>• LMM 190-02967-00_R-3</li> <li>• POH R-19</li> <li>• Trend Card 100-820-2093 (v1.9)</li> <li>• Enablement Cards (refer to <b>Table 1–1</b> )</li> </ul>

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Software Version	Change Note	Release Date	Applicability	LRU Version Level	Manuals/Media
006-B2633-10	<ul style="list-style-type: none"> <li>Added support for legacy options-NXi Retrofit</li> <li>New compatible unlock cards</li> <li>General software loading updates</li> <li>N-Number Displayed on PFD</li> <li>Software Support for GWX75</li> <li>Updated exceedance engine capture criteria to avoid nuisance capture</li> <li>Torque indication corrected</li> <li>ITT minimum Value display of 0°C (instead of 200°C)</li> </ul>	JAN 2022	100-0246 thru 100-0274, FSI-149, FSI-156, FSI-180	<ul style="list-style-type: none"> <li>GDC1 &amp; GDC2 - 3.1</li> <li>GDL69 - 4.02.00</li> <li>GDL69A SXM - 5.5</li> <li>GIA1 &amp; GIA2 - 8.14</li> <li>GRS77 (1&amp;2) - 3.05</li> <li>GRS7800 - 2.07</li> <li>GRS79 (1&amp;2) - 2.09</li> <li>GTS - 4.12</li> <li>GTX ADS-B - 3.31</li> <li>GTX Audio - 2.5</li> <li>GIAAudio1&amp;2 - 4.00</li> <li>MFD1 - 20.95</li> <li>NAV1 &amp; NAV2 - 6.03</li> <li>PFD1 &amp; PFD2 - 20.95</li> <li>GWX68 - 2.2</li> <li>GWX75 - 2.5</li> </ul>	<ul style="list-style-type: none"> <li>CRG R-01</li> <li>PG R-01</li> <li>LMM 190-02967-00_R-1</li> <li>POH R-19</li> <li>Trend Card 100-820-2093 (v1.9) or 100-820-2091 (v1.8)</li> <li>Database Cards 010-00330-45</li> <li>CVDR 010-00330-HJ</li> <li>CMC 010-00330-DK</li> <li>GMA Delete 010-00330-DL</li> </ul>
006-B2633-01	<ul style="list-style-type: none"> <li>Allows for Non-Garmin audio panels to be installed instead of GMA 1347 audio panels, using Garmin Unlock Card 010-00330-DC</li> </ul>	JUN 2019	100-0246 thru 100-0274, FSI-149, FSI-156	No change	<ul style="list-style-type: none"> <li>CRG R-00</li> <li>PG R-00</li> <li>LMM 190-02102-00_R-2</li> <li>POH R-19</li> <li>Trend Card 100-820-2093 (v1.9) or 100-820-2091 (v1.8)</li> <li>Database Cards 010-00330-45</li> </ul>
006-B2633-00	Initial Release	MAR 2018	100-0246 thru 100-0274, FSI-149, FSI-156	<ul style="list-style-type: none"> <li>COM1 &amp; COM2 – 11.30</li> <li>GDC1 &amp; GDC2 – 2.02</li> <li>GDL69A SXM – 5.10</li> <li>GEA1 – 2.07</li> <li>GIA1 &amp; GIA2 – 8.05.4</li> <li>GMA1 &amp; GMA2 – 4.04</li> <li>GMC710 – 3.00</li> <li>GMU1 &amp; GMU2 – 2.05</li> <li>GPS1 &amp; GPS2 – 5.10</li> <li>GRS1 &amp; GRS2 – 2.00</li> <li>GSA1,2,3 &amp; 4 – 3.30</li> <li>GTS – 3.10</li> <li>GTX – 2.11</li> <li>GTX ADS-B – 2.10</li> <li>GTX AUDIO – 2.02</li> <li>GIAAUDIO1 &amp; 2 – 2.00</li> <li>MFD1 – 20.10</li> <li>NAV1 &amp; NAV2 – 6.02</li> <li>PFD1 &amp; PFD2 – 20.10</li> <li>GWX70 – 2.55</li> </ul>	<ul style="list-style-type: none"> <li>CRG R-00</li> <li>PG R-00</li> <li>LMM 190-02102-00_R-1</li> <li>POH R-19</li> <li>Trend Card 100-820-2093 (v1.9) or 100-820-2091 (v1.8)</li> <li>Database Cards 010-00330-45</li> </ul>

Note 1: Software versions prior to 006-B2633-12 are no longer available for download. Contact Kodiak Care for more information.

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**Table 1–4: G1000® NXi Software 006-B2634**

**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® NXi Cockpit Reference Guide , Kodiak 100 (CRG), Document No. 190-02535-##<sup>1</sup>.
2. **KODIAK® 100 Pilot's Operating Handbook and FAA Approved Airplane Flight Manual** (POH), Document No. AM901.0, R-##<sup>1</sup>.

The following manual provides additional information:

1. Garmin G1000® NXi Pilot's Guide, Kodiak 100 (PG), Document No. 190-02534-##<sup>1</sup>.
2. Garmin G1000® NXi Integrated Avionics System Line Maintenance Manual, Kodiak 100 Document No. 190-02102-00
3. Garmin G1000® NXi Integrated Avionics System Line Maintenance Manual, Kodiak 100 Document No. 190-02102-01

##<sup>1</sup> – Document Revision (Rev.) number listed in the table below. Manual must be the listed Rev. (or later).

## SERVICE NOTICE

Software Version	Change Note	Release Date	Applicability	LRU Version Level	Manuals/Media
006-B2634-08	<ul style="list-style-type: none"> <li>• Enabled 3D Audio</li> <li>• Enabled WireAware</li> <li>• Ambient Noise Compensation for overhead speakers</li> <li>• N number added to PFD</li> </ul>	FEB 2023	100-0275 and Up	• GTX345 - 2.65	<ul style="list-style-type: none"> <li>• CRG R-02</li> <li>• PG R-02</li> <li>• LMM 190-02102-01_R-1</li> <li>• POH R-22</li> <li>• Trend Data Card 100-820-2093 (v1.9)</li> <li>• CVDR 010-00330-HH</li> <li>• CMC 010-00330-DK</li> <li>• GMA Delete 010-00330-DD</li> </ul>
006-B2634-07	<ul style="list-style-type: none"> <li>• Fuel Calibration Reset Removed from default software load</li> </ul>	JUL 2021	100-0275 thru 100-0320	<ul style="list-style-type: none"> <li>• GDC1 &amp; GDC2 - 2.08</li> <li>• GDL69A SXM - 5.50</li> <li>• GE471B - 2.60</li> <li>• GIA1 &amp; GIA2 - 2.0B</li> <li>• GMA1 &amp; GMA2 - 5.26D</li> <li>• GMC710 - 3.00</li> <li>• GMU1 &amp; GMU2 - 2.05</li> <li>• GMU44B#1 &amp; GMU44B#2 - 2.0</li> <li>• GRS1 &amp; GRS2 - 2.09</li> <li>• GSA1, 2, 3 &amp; 4 - 3.30</li> <li>• GTS - 4.12</li> <li>• GTX345R-00 - 2.11</li> <li>• GTX345R-01 - 2.54</li> <li>• PFD1, PFD2, &amp; MFD - 20.94</li> <li>• GWX70 - 2.55</li> <li>• GWX75 - 2.50</li> </ul>	<ul style="list-style-type: none"> <li>• CRG R-01</li> <li>• PG R-01</li> <li>• LMM 190-02102-00_R-4</li> <li>• POH R-22</li> <li>• Trend Data Card 100-820-2093 (v1.9)</li> <li>• CVDR 010-00330-HH</li> <li>• CMC 010-00330-DK</li> <li>• GMA Delete 010-00330-DD</li> </ul>

*Note 1: Software version histories prior to 006-B2634-07 have been removed from this Service Notice. Contact Kodiak Care for more information.*

## SERVICE NOTICE

### LOADING SOFTWARE

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

**Table 1–5** through **Table 1–7** may be used as a guide or checklist for loading software to Legacy and NXi systems.

## SERVICE NOTICE

**Table 1–5: G1000® Legacy Software 006-B0552-XX Checklist**

Loader Card Group	Loader Card Item	Applicability	Notes
Baseline	Kodiak 100	100-0001 thru 100-0245	Mandatory load
Configuration Options	Artex C406N ELT	100-0001 thru 100-0173	If equipped with the C406N ELT
	F/W Installation Option	100-0001 thru 100-0245	Configures RS-232 Channel 4, both GIAs
	Wipline 7000 Amphibian	100-0001 thru 100-0245	If equipped with Wipline floats
	Float Removal Option	100-0001 thru 100-0245	Removes either float option
	GWX 68 WX RADAR Installation Option	100-0032 thru 100-0245, FSI-073	GWX wiring to MFD ethernet 4
	GWX 68 WX RADAR Installation GDL Path Option	100-0001 thru 100-0031, FSI-073	GWX wiring to GDL ethernet 2
	TKS Ice Protection Installation Option	100-0001 thru 100-0245	If equipped with TKS with Console Tank
	TKS Ice Protection External Cargo Compartment (ECC) Option	100-0001 thru 100-0245	If equipped with TKS with an ECC Tank
	Dual ENG Inlet Actuator Installation Option	100-0043 thru 100-0245	Load if not equipped with TKS
	TRC497 Skywatch Installation Option	100-0001 thru 100-0066	If equipped with TRC497 Skywatch
	S-TEC 55X Installation Option	100-0001 thru 100-0129	S-TEC autopilot
	WX-500 Installation Option	100-0001 thru 100-0245	If equipped with WX-500 Stormscope
	GDL 69A Installation Option	100-0001 thru 100-0173	If equipped with GDL 69A

## SERVICE NOTICE

Loader Card Group	Loader Card Item	Applicability	Notes
Configuration Options	GDL 69A SXM Installation Option	100-0174 thru 100-0245	If equipped with GDL 69A SXM
	GTS 800 Single Antenna Installation Option	100-0067 thru 100-0245	If equipped with GTS 800 single antenna
	GTS 800 Dual Antenna Installation Option	100-0067 thru 100-0245	If equipped with GTS 800 dual antennas
	Air Conditioning Installation Option	100-0001 thru 100-0245	If equipped with Air Conditioning
	Fuel Calibration Reset - Capacitance Probes	100-0001 thru 100-0173	Load only to reset calibration tables for capacitance probes. This will require performing the fuel calibration procedure per the <i>LMM</i> .
	Fuel Calibration Reset - FLI Float Sensors	100-0174 thru 100-0245	Load only to reset calibration tables for FLI float sensors. This will require performing the <i>Fuel Level Indication System Calibration</i> procedure per the <i>LMM</i> .
	4 Ohm Audio Option	100-0001 thru 100-0103	4 Ohm speakers
	AFCS Option	100-0130 thru 100-0245, FSI-089	GFC 700 autopilot
	Fuel Level Indication	100-0174 thru 100-0245	FLI float sensors
	GTX33 Extended Squitter (ADS-B Out) Option	FSI-136	If equipped with GTX33ES
	ELT 1000 Option	100-0174 thru 100-0245	If equipped with the ELT 1000
	Aerocet 6650 Float Option	100-0001 thru 100-0245	If equipped with Aerocet floats
	NP Caution Band Removal Option	100-0001 thru 100-0245	If equipped with a 3-bladed MT propeller
	DME	100-0001 thru 100-0245	If equipped with DME
	GSR56 Legacy G1000	STC	If equipped with GSR 56



## SERVICE NOTICE

**Table 1–6: G1000® NXi Phase 1/Retrofit Software 006-B2633-XX Checklist**

Loader Card Group	Loader Card Item	Applicability		Notes
		NXi Phase 1	NXi Retrofit for Legacy	
01-Baseline	Kodiak 100	100-0246 thru 100-0274	100-0001 thru 100-0245 with FSI-180	Mandatory load
02-AHRS	GRS 77 - GMU 44		100-0001 thru 100-0245 with FSI-180	If equipped with GRS 77
	GRS 79 - GMU 44	100-0246 thru 100-0274		If equipped with GRS 79
03-ADC	GDC 72	100-0246 thru 100-0274		If equipped with GDC 72
	GDC 74		100-0001 thru 100-0245 with FSI-180	If equipped with GDC 74
04-Autopilot	GFC 700	100-0246 thru 100-0274	(100-0130 thru 100-0245 or FSI-089) with FSI-180	GFC 700 autopilot
	S-Tec 55X		100-0001 thru 100-0129 with FSI-180	S-TEC autopilot
05-Transponder	GTX 345DR	N/A	N/A	If equipped with GTX 345DR
	GTX 345R-00	100-0246 thru 100-0274		If equipped with GTX 345R -00
	GTX 345R-01		100-0001 thru 100-0245 with FSI-180	If equipped with GTX 345R -01
06-Audio Panel	4 Ohm Audio Option		100-0001 thru 100-0103 with FSI-180	4 Ohm speakers
	COM3 Enable	100-0246 thru 100-02744	100-0001 thru 100-0245 with FSI-180	Enable COM3 on GMAs

## SERVICE NOTICE

Loader Card Group	Loader Card Item	Applicability		Notes
		NXi Phase 1	NXi Retrofit for Legacy	
07-Datalink	GDL 69A		100-0001 thru 100-0173 with FSI-180	If equipped with GDL 69A
	GDL 69A SXM	100-0246 thru 100-0274	100-0174 thru 100-0245 with FSI-180	If equipped with GDL 69A SXM
	GSR 56	STC	STC	If equipped with GSR 56
08-WX Radar	GWX 68		(100-0032 thru 100-0245 or FSI-073) with FSI-180	If equipped with GWX 68, wiring to MFD ethernet 4
	GWX 68-GDL Path		(100-0001 thru 100-0031 or FSI-073) with FSI-180	If equipped with GWX 68, wiring to GDL ethernet 2
	GWX 70R	100-0246 thru 100-0274		If equipped with GWX 70R
	GWX Processor (75)	N/A	N/A	If equipped with GWX 75
09-Airborne Traffic	TRC497 Skywatch		100-0001 thru 100-0066 with FSI-180	If equipped with TRC497 Skywatch
	GTS 800 Dual Antenna	100-0246 thru 100-0274	100-0067 thru 100-0245 with FSI-180	If equipped with GTS 800 dual antennas
	GTS 800 Single Antenna	100-0246 thru 100-0274	100-0067 thru 100-0245 with FSI-180	If equipped with GTS 800 single antenna
10-TKS Protection	K100 - Console Tank	100-0246 thru 100-0274	100-0001 thru 100-0245 with FSI-180	If equipped with TKS with Console Tank
	K100 - External Cargo Compartment (ECC) Tank	100-0246 thru 100-0274	100-0001 thru 100-0245 with FSI-180	If equipped with TKS with an ECC Tank

## SERVICE NOTICE

Loader Card Group	Loader Card Item	Applicability		Notes
		NXi Phase 1	NXi Retrofit for Legacy	
11-Amphibious Floats	Wipline 7000	100-0246 thru 100-0274	100-0001 thru 100-0245 with FSI-180	If equipped with Wipline floats to select electronic checklist "wipaire7000.gcl"
	K100 - Aerocet 6650	100-0246 thru 100-0274	100-0001 thru 100-0245 with FSI-180	If equipped with Aerocet floats to select electronic checklist "aerocet6650.gcl"
	Float Removal	100-0246 thru 100-0274	100-0001 thru 100-0245 with FSI-180	Removes either float option to select standard electronic checklist "chklist.gcl"
12-ELT	GPS Position - ARINC 429		100-0001 thru 100-0173 with FSI-180	If equipped with the C406N ELT
	GPS Position - RS232	100-0246 thru 100-0274	100-0174 thru 100-0245 with FSI-180	If equipped with the ELT 1000
13-Fuel Sensors	Fuel Calibration Reset - Capacitance Probes		100-0001 thru 100-0173 with FSI-180	Load only to reset calibration tables for capacitance probes. This will require performing the fuel calibration procedure per the <i>LMM</i> .
	Fuel Calibration Reset - FLI Float Sensors	100-0246 thru 100-0274	100-0174 thru 100-0245 with FSI-180	Load only to reset calibration tables for FLI float sensors. This will require performing the <i>Fuel Level Indication System Calibration</i> procedure per the <i>LMM</i> .
	K100 - Capacitance Probe Fuel Sensors		100-0001 thru 100-0173 with FSI-180	Capacitance probes
	K100 - FLI Float Fuel Sensors	100-0246 thru 100-0274	(100-0174 thru 100-0245 or FSI-112) with FSI-180	FLI float sensors
14-Misc Options	NP Caution Band Removal Option	100-0246 thru 100-0274	100-0001 thru 100-0245 with FSI-180	If equipped with a 3-bladed MT propeller
	Kodi-100 Air Conditioning	100-0246 thru 100-0274	100-0001 thru 100-0245 with FSI-180	If equipped with air conditioning

## SERVICE NOTICE

Loader Card Group	Loader Card Item	Applicability		Notes
		NXi Phase 1	NXi Retrofit for Legacy	
14-Misc Options	DME	100-0246 thru 100-0274	100-0001 thru 100-0245 with FSI-180	If equipped with DME
	Dual ENG Inlet	100-0246 thru 100-0274	100-0043 thru 100-0245 with FSI-180	Load if not equipped with TKS
	FS 510	100-0246 thru 100-0274	100-0001 thru 100-0245 with FSI-180	If equipped with FS 510
	GPS GIA 232 4 OUT	100-0246 thru 100-0274	100-0001 thru 100-0245 with FSI-180	Configures RS-232 Channel 4, both GIAs
	GRA 5500/GRA 55	STC	STC	If equipped with GRA
	Enable Wire Aware	100-0246 thru 100-0274	100-0001 thru 100-0245 with FSI-180	Enables WireAware feature
	WX-500 Stormscope	100-0246 thru 100-0274	100-0001 thru 100-0245 with FSI-180	If equipped with WX-500 Stormscope

**Table 1–7: G1000® NXi Phase 2/3 Software 006-B2634-XX Checklist**

Loader Card Group	Loader Card Item	Applicability	Notes
01-Baseline	Kodiak 100	100-0275 and up	Mandatory load
02-AHRS	GRS 79 - GMU 44	100-0275 thru 100-0333	If equipped with GMU 44
	GRS 79 - GMU 44B	100-0334 and up	If equipped with GMU 44B
03-Autopilot	K100 - GFC 700	100-0275 and up	GFC 700 autopilot
04-Transponder	GTX 345DR	N/A	If equipped with GTX 345DR
	GTX 345R-00	100-0275 and up	If equipped with GTX 345R -00
	GTX 345R-01	N/A	If equipped with GTX 345R -01
05-Audio Panel	COM3 Enable	100-0275 and up	Enable COM3 on GMAs

## SERVICE NOTICE

Loader Card Group	Loader Card Item	Applicability	Notes
06-Datalink	GDL 69A SXM	100-0275 and up	If equipped with GDL 69A SXM
	GSR 56	STC	If equipped with GSR 56
07-WX Radar	GWX 70	100-0275 thru 100-0290	If equipped with GWX 70R
	GWX Processor (75-80)	100-0291 and up	If equipped with GWX 75
08-Airborne Traffic	GTS 800 Dual Antenna	100-0275 and up	If equipped with GTS 800 dual antennas
	GTS 800 Single Antenna	100-0275 and up	If equipped with GTS 800 single antenna
09-TKS Protection	K100 - Console Tank	100-0275 and up	If equipped with TKS with Console Tank
	K100 - External Cargo Compartment (ECC) Tank	100-0275 and up	If equipped with TKS with an ECC Tank
10-Amphibious Floats	K100 - Aerocet 6650	100-0275 and up	If equipped with Aerocet floats to select electronic checklist "aerocet6650.gcl"
	Float Removal	100-0275 and up	Removes either float option to select standard electronic checklist "chklist.gcl"
11-ELT	GPS Position - RS232	100-0275 and up	If equipped with the ELT 1000
12-Navigation Options	DME	100-0275 and up	If equipped with DME
	GRA 5500/GRA 55	STC	If equipped with GRA
13-Misc Options	Kodi-100 Air Conditioning	100-0275 and up	If equipped with air conditioning
	Dual ENG Inlet	100-0275 and up	Load if not equipped with TKS
	Garmin FliteCharts Only (Disables Dual Charts and Chartview)	100-0275 and up	Select FliteCharts with no Dual Charts or Chartview
	FS 510	100-0275 and up	If equipped with FS 510
	FUEL CAL RESET	100-0275 and up	Load only to reset calibration tables for FLI float sensors. This will require performing the Fuel Level Indication System Calibration procedure per the <i>LMM</i>
	GPS GIA 232 4 OUT	100-0275 and up	Configures RS-232 Channel 4, both GIAs
	WX-500 Stormscope	100-0275 and up	If equipped with WX-500 Stormscope

## SERVICE NOTICE

### 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 1-8**. 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 G1000 unswitched audio lines. The example in **Figure 1-1** shows the Headset Volume on GMA1347 #1 for UNSWITCHED IN #3 set to "-7". the GMA 1360D Configuration page allows for similar adjustments with more flexibility.

**Table 1-8: Unswitched Audio Input Availability**

Audio Panel	Connector	Pin	Pin Name/Description	Kodiak 100 Serial Number Range
GMA 1347	1P3471 2P3471	19	Unswitched Audio In 1 HI	FSI-089, 100-0130 thru 100-0274
		20	Unswitched Audio In 2 HI	100-0007 thru 100-0274
		38	Unswitched Audio In 3 HI	AVAILABLE
		39	Unswitched Audio In LO	100-0007 thru 100-0274
		54	Altitude Warn Audio in HI	100-0007 thru 100-0274
		55	Altitude Warn Audio in LO	100-0007 thru 100-0274
GMA 1360D	1P3471 2P3471	3	Alert 2 Audio in HI	AVAILABLE
		4	Alert 2 Audio in LO	AVAILABLE
		19	Alert 4 Audio in HI	100-0275 and up
		20	Alert 5 Audio in HI	100-0275 and up
		38	Alert 3 Audio in HI	AVAILABLE
		39	Alert 3, 4, 5 Audio in LO	100-0275 and up
		54	Alert 1 Audio in HI	100-0275 and up
		55	Alert 1 Audio in LO	100-0275 and up

## SERVICE NOTICE

GMA CONFIGURATION

SELECT GMA UNIT  
 GMA1347 #1

**HEADSET VOLUME**

	SET	ACTIVE
MUSIC #1	10	10
MUSIC #2	10	10
UNSWITCHED IN #1	0	0
UNSWITCHED IN #2	0	0
UNSWITCHED IN #3	-7	-7
ALTITUDE WARNING	-31	-31
PASSENGER VOLUME	0	0
MASTER VOLUME MIN	0	0

**SPEAKER VOLUME**

	SET	ACTIVE
CREW AUDIO	0	0
PILOT MIC VOLUME	0	0
COPILOT MIC VOLUME	0	0
UNSWITCHED SUM	0	0

**MASTER SQUELCH**

	SET	ACTIVE
SENSITIVITY VALUE	0	0

**MARKER BEACON**

	SET	ACTIVE
HI SENSE THRESHOLD	0	0
LO SENSE THRESHOLD	0	0
VOLUME	0	0

**HAIL TONE**

	SET	ACTIVE
CHIME INHBT TIME	0	0
VOLUME	0	0

Set>ACT
ACT>Set
Levels
Options

Figure 1-1: GMA configuration