

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.

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.

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).

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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 LRU's 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 ensure the airplane is equipped with the current flight manual(s), and it also is the responsibility of the owner to ensure 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 table's 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.

LOADING SOFTWARE

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

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REFERENCE INFORMATION

Tables 1 through 3 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.

WARNING

There may be software versions published to the Garmin website that are not listed in Tables 1 through 3. 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 Tables 1 through 3) 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.

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Table 1–1: 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-##¹.
2. Kodiak Aircraft’s **KODIAK® 100 Pilot’s Operating Handbook and FAA Approved Airplane Flight Manual (POH)**,
Document No. AM901.0 R-##¹.

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.

##¹ – 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.

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	100-0001 thru 100-0245 (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 100-820-2093 (v1.9) or 100-820-2091 (v1.8) • Database Cards 010-00330-45

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Software Version	Change Note	Release Date	Applicability	LRU Version Level	Manuals/Media
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	100-0001 thru 100-0245 (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
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 POH/ AFM • 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

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Software Version	Change Note	Release Date	Applicability	LRU Version Level	Manuals/Media
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 Kodiak Care for more information.

Note 2: Prior to 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: 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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Table 1–2: 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 for the Quest KODIAK® 100 (CRG)*, Document No. **190-02101-###**¹.
2. Kodiak Aircraft's *KODIAK® 100 Pilot's Operating Handbook and FAA Approved Airplane Flight Manual (POH)*, Document No. **AM901.0, R-###**¹.

The following manual provides additional information:

1. *Garmin G1000® NXi Pilot's Guide for the Quest KODIAK® 100 (PG)*, Document No. **190-02100-###**¹.

^{###} – 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-B2633-10	<ul style="list-style-type: none"> • Added support for legacy options-NXi Retrofit • New compatible unlock cards • General software loading updates • N-Number Displayed on PFD • Software Support for GWX75 • Updated exceedance engine capture criteria to avoid nuisance capture • Torque indication corrected • ITT minimum Value display of 0°C (instead of 200°C) 	January 2022	100-0246 thru 100-0274, FSI-149, FSI-156, FSI-180	<ul style="list-style-type: none"> • GDC1 & GDC2 - 3.1 • GDL69 - 4.02.00 • GDL69A SXM - 5.5 • GIA1 & GIA2 - 8.14 • GRS77 (1&2) - 3.05 • GRS7800 - 2.07 • GRS79 (1&2) - 2.09 • GTS - 4.12 • GTX ADS-B - 3.31 • GTX Audio - 2.5 • GIA Audio1&2 - 4.00 • MFD1 - 20.95 • NAV1 & NAV2 - 6.03 • PFD1 & PFD2 - 20.95 • GWX68 - 2.2 • GWX75 - 2.5 	<ul style="list-style-type: none"> • CRG R-01 • PG R-01 • POH R-19 • Trend Card 100-820-209 (v1.9) or 100-820-2091 (v1.8) • Database Cards 010-00330-45 • CVDR 010-00330-HJ • CMC 010-00330-DK • GMA Delete 010-00330-DL
006-B2633-01	<ul style="list-style-type: none"> • Allows for Non-Garmin audio panels to be installed instead of GMA 1347 audio panels, using Garmin Unlock Card 010-00330-DC 	June 2019	100-0246 thru 100-0274, FSI-149, FSI-156	No change	<ul style="list-style-type: none"> • CRG R-00 • PG R-00 • POH R-19 • Trend Card 100-820-2093 (v1.9) or 100-820-2091 (v1.8) • Database Cards 010-00330-45

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Software Version	Change Note	Release Date	Applicability	LRU Version Level	Manuals/Media
006-B2633-00	Initial Release	March 2018	100-0246 thru 100-0274, FSI-149, FSI-156	<ul style="list-style-type: none"> • COM1 & COM2 – 11.30 • GDC1 & GDC2 – 2.02 • GDL69A SXM – 5.10 • GEA1 – 2.07 • GIA1 & GIA2 – 8.05.4 • GMA1 & GMA2 – 4.04 • GMC710 – 3.00 • GMU1 & GMU2 – 2.05 • GPS1 & GPS2 – 5.10 • GRS1 & GRS2 – 2.00 • GSA1,2,3 & 4 – 3.30 • GTS – 3.10 • GTX – 2.11 • GTXADS-B – 2.10 • GTXAUDIO – 2.02 • GIAAUDIO1 & 2 – 2.00 • MFD1 – 20.10 • NAV1 & NAV2 – 6.02 • PFD1 & PFD2 – 20.10 • GWX70 – 2.55 	<ul style="list-style-type: none"> • CRG R-00 • PG R-00 • POH R-19 • Trend Card 100-820-2093 (v1.9) or 100-820-2091 (v1.8) • Database Cards 010-00330-45

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Table 1–3: 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 for the Quest KODIAK® 100 (CRG)*, Document No. 190-02535-##¹.
2. Kodiak Aircraft's *KODIAK® 100 Pilot's Operating Handbook and FAA Approved Airplane Flight Manual (POH)*, Document No. AM901.0, R-##¹.

The following manual provides additional information:

1. *Garmin G1000® NXi Pilot's Guide for the Quest KODIAK® 100 (PG)*, Document No. 190-02534-##¹.

##¹ – 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-B2634-08	<ul style="list-style-type: none"> • Enabled 3D Audio • Enabled WireAware • Ambient Noise Compensation for overheard speakers • N number added to PFD 	February 2023	100-0275 and Up	• GTX345 - 2.65	<ul style="list-style-type: none"> • CRG R-02 • PG R-02 • POH R-22 • Trend Data Card 100-820-2093 (v1.9) • CVDR 010-00330-HH • CMC 010-00330-DK • GMA Delete 010-00330-DD
006-B2634-07	<ul style="list-style-type: none"> • Fuel Calibration Reset Removed from default software load 	July 2021	100-0275 and Up	<ul style="list-style-type: none"> • GDC1 & GDC2 - 2.08 • GDL69A SXM - 5.50 • GEA71B - 2.60 • GIA1 & GIA2 - 2.0B • GMA1 & GMA2 - 5.26D • GMC710 - 3.00 • GMU1 & GMU2 - 2.05 • GMU44B#1 & GMU44B#2 - 2.0 • GRS1 & GRS2 - 2.09 • GSA1, 2, 3 & 4 - 3.30 • GTS - 4.12 • GTX345R-00 - 2.11 • GTX345R-01 - 2.54 • PFD1, PFD2, & MFD - 20.94 • GWX70 - 2.55 • GWX75 - 2.50 	<ul style="list-style-type: none"> • CRG - 01 • PG - 01 • POH - 22 • Trend Data Card 100-820-2093 (v1.9) • CVDR - 010-00330-HH • CMC - 010-00330-DK • GMA Delete - 010-00330-DD

Note 1: Software version histories prior to 006-B2634-07 have been removed from this Service Notice due to the default software resetting the fuel calibration data. Contact Kodiak Care for more information.