

Diamond Aircraft Industries GmbH Nikolaus-August-Otto-Straße 5 2700 Wiener Neustadt, Austria

MANDATORY SERVICE BULLETIN

MSB 50-003/5

SUPERSEDES MSB 50-003/4

I TECHNICAL DETAILS

I.1 Category

Mandatory.

I.2 Airplanes affected

Type: DA 50 C

Serial Numbers: 50.002, 50.003, 50.006 50.C.A.A.007 and subsequent

I.3 <u>Time of Compliance</u>

At next scheduled maintenance action.

Note: Prior compliance with MSB 50-003 through MSB 50-003/4 does not constitute compliance with this MSB.

I.4 Subject

Software for Garmin G1000 NXi; approved software systems, manifests and configurations.

I.5 Reason

Summary of approved software systems, manifests and configurations for Garmin G1000 NXi.

I.6 <u>Concurrent Documents</u>

Garmin G1000 NXi Line Maintenance Manual, 190-02631-00, latest effective issue.



I.7 <u>Approval</u>

The technical information or instructions contained in this document relate to the Design Change Advisory No. VÄM 50-002, OÄM 50-001, OÄM 50-003, OÄM 50-004, OÄM 50-006 through OÄM 50-010, OÄM 50-011, OÄM 50-013, OÄM 50-018, OÄM 50-027/a, OÄM 50-031, OÄM 50-032, OÄM 50-050, MÄM 50-115, MÄM 50-140 and MÄM 50-221 which have been approved under the authority of EASA Design Organization Approval ref. EASA.21J.052 or by EASA.

The technical content of this document has been approved under the authority of DOA ref. EASA.21J.052.

I.8 Accomplishment/Instructions

Compare installed software system and related manifests with approved ones stated in this service bulletin.

If installed software system and related manifests are not approved, perform an update to the latest approved software version according to the instructions given in the G1000 NXi Line Maintenance Manual, latest effective issue or other related Garmin documents.

An update to a later approved software system with the related manifest may be carried out on every aircraft. Perform the update according to the instructions given in the G1000 NXi Line Maintenance Manual, latest effective issue or other related Garmin documents.

NOTE: Changing the software system requires new configuration of the system. Refer to the Garmin documentation for software configuration.

NOTE: Determine what optional equipment (i.e. ADF, DME, WX500, etc.) is installed in the airplane before loading software.

Determine what optional features (i.e. Synthetic Vision (SVT), Jeppesen ChartView, etc.) are installed before loading the AIRFRAME configuration file. If the AIRFRAME configuration file is loaded from the system software card, you will need to unlock the optional features using their unlock cards. Make sure that all of the required materials and equipment are on hand before you begin the upgrade procedure.



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Software Part Number	Software Version	Software Name	Remarks
System			This software
010-02576-02	v2576.02		version supportsthe GFC700
Manifest			autopilot
006-B0224-01	V2.05	GMU System	system.
006-B0398-46	V3.56	GSA8X System	
006-B0742-12	V3.10	GCU / GMC System	
006-B1177-7Y	V21.60	GDU System	
006-B1607-0K	V2.60	GTX 3X5 System	
006-B1797-16	V3.21	GTX 3X5 / ADS-B	
006-B1827-22	V8.2	GPS/WAAS System	
006-B1838-09	V2.09	GRS 79 System	
006-B1838-58	V2.08	GDC 72 System	
006-B2139-09	V2.60	GEA System	
006-B2210-1N	V5.31D	GMA AUX System	
006-B2212-1N	V5.31D	GMA System	
006-B2253-01	V2.01	NAV System	
006-B2371-02	V2.02	COM System	
006-B2548-19	V2.1B	GIA System	
006-B2679-00	V2.00	GMU44B System	
006-C0048-00	V2.00	GMU FPGA	
006-C0153-22	V2.20	GTX 3X5 FPGA	
006-C0157-21	V2.10	GTX 3X5 / ADS-B FPGA	
006-C0164-01	V1.10	GIA FPGA	
006-C0175-09	V1.46	GMA AUX FPGA	
006-D0425-2A	V4.10	GIA Audio	
006-D3034-B1	V5.00D	GMA AUX Region List	
006-D3034-C2	V5.21	GMA Audio Database	
006-D3035-B2	V5.00D	GMA Display Key Region	
006-D3035-CU	V5.15D	GMA Region List]
006-D3035-G6	V5.28D	GMA Audio Config	
006-D5080-00	V2.00	GRS 79 Region List	
006-D5080-50	V2.00	GDC 72 Region List	
006-D5761-00	V2.00	NAV Region List	



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Software Version	Software Name	Remarks
V2.21	GIA Region List	
V2.30	GEA Region List	
V2.00	COM Region List	
V2.00	GFC Cert GIA AFCS Gains	
	Version V2.21 V2.30 V2.00	VersionSoftware NameV2.21GIA Region ListV2.30GEA Region ListV2.00COM Region List

Software Part Number	Software Version	Software Name	Remarks
System			This software
010-02576-03	v2576.03		version supports De-Icing
Manifest			System
006-B0224-01	V2.05	GMU System	including propeller de-
006-B0398-46	V3.56	GSA8X System	icing
006-B0551-35	V4.13	GTS8XX System	 GMU44B magneto-
006-B0742-12	V3.10	GCU / GMC System	meter
006-B1177-C3	V21.65.1	GDU System	 Intake Air Temperature
006-B1607-0K	V2.60	GTX 3X5 System	Caution & Warning
006-B1797-16	V3.21	GTX 3X5 / ADS-B	Glow Fail
006-B1827-22	V8.2	GPS/WAAS System	Caution checklist files
006-B1838-09	V2.09	GRS 79 System	in *.gcl format
006-B1838-58	V2.08	GDC 72 System	GDL69A SXM Datalink
006-B1902-0B	V5.51	GDL 69e System	receiver
006-B2139-09	V2.60	GEA System	GTS800 Traffic
006-B2181-30	V3.00	GDL 69e XM FW/XM Firmware	Advisory
006-B2210-1N	V5.31D	GMA AUX System	System
006-B2212-1N	V5.31D	GMA System	
006-B2253-01	V2.01	NAV System	
006-B2371-02	V2.02	COM System	
006-B2548-1K	V2.1E	GIA System	
006-B2679-00	V2.00	GMU44B System	
006-C0048-00	V2.00	GMU FPGA	
006-C0081-20	V2.0	GTS8XX FPGA	



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Software Part Number	Software Version	Software Name	Remarks
006-C0153-22	V2.20	GTX 3X5 FPGA	
006-C0157-21	V2.10	GTX 3X5 / ADS-B FPGA	
006-C0164-01	V1.10	GIA FPGA	
006-C0175-09	V1.46	GMA AUX FPGA	
006-D0425-2A	V4.10	GIA Audio	
006-D0725-02	V4.00	GTS8XX Region List	
006-D3034-B1	V5.00D	GMA AUX Region List	
006-D3034-B2	V5.00D	GMA AUX Key Region	
006-D3034-C2	V5.21	GMA Audio Database	
006-D3035-B2	V5.00D	GMA Display Key Region	
006-D3035-CU	V5.15D	GMA Region List	
006-D3035-HE	V5.29D	GMA Audio Config	
006-D5080-00	V2.00	GRS 79 Region List	
006-D5080-50	V2.00	GDC 72 Region List	
006-D5402-02	V1.10	GDL 69e App Package	
006-D5761-00	V2.00	NAV Region List	
006-D6318-04	V2.21	GIA Region List]
006-D6358-01	V2.30	GEA Region List	
006-D6512-00	V2.00	COM Region List	
006-D6994-00	V2.00	GMU44B Region List	
006-D9378-00	V2.00	GFC Cert GIA AFCS Gains	

Approved Configurations (Software)	Remarks
NOTE: Even though more options may be inc shown below are currently approved for instal	
DA50 Option – ADF	Install if an ADF is installed in the airplane (OÄM 50-003)
DA50 Option – Deicing	Install if the de-icing system is installed in the airplane (OÄM 50-011)
DA50 Option – DME	Install if a DME is installed in the airplane (OÄM 50-004)
DA50 Option – Fuel Tanks: Fuel calibration*1)	Refer to Note 1 below.
DA50 Option – Fuel Tanks: Pre-calibrated ^{*1)}	
DA50 Option – GCU 476	Install if a Garmin Control Unit GCU 476 is installed in the airplane (OÄM 50-018).



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Approved Configurations (Software)	Remarks
DA50 Option – GDL69A SXM	Install if a Garmin Datalink Receiver GDL69A SXM is installed in the airplane (OÄM 50-027/a).
DA50 Option – Flightstream 510 Enable	Install if a FS 510 is installed in the airplane (OÄM 50-032).
DA50 Option – GFC700 with ESP and USP	Install if GFC 700 Autopilot System is installed in the airplane; NOTE: an additional unlock card is required.
DA50 Option – GSR56	Install if a Satellite Transceiver GSR56 is installed in the airplane (OÄM 50-010)
DA50 Option – GSR56 Voice/Text Only	Optional to "DA50 Option – GSR56" above: Install if a Satellite Transceiver GSR56 is installed in the airplane (OÄM 50-010).
DA50 Option – GTS 800	Install if a Garmin Traffic Advisory System GTS800 (OÄM 50-050) is installed in the airplane.
DA50 Option – GTX 345 Option	Install if a GTX 345 transponder is installed in the airplane.
DA50 Option – GTS 345 and GTS 800	Install if a GTX 345 transponder and Garmin Traffic Advisory System GTS 800 (OÄM 50- 050) is installed in the airplane.
DA50 Option – GTX 345 and TAS600	Install if a GTX 345 transponder and Avidyne Traffic Advisory System TAS6xx (OÄM 50- 006) is installed in the airplane.
DA50 Option – Aerox Oxygen Pressure ^{2*)}	Install if an Oxygen System with aerox pressure sensor is installed in the airplane (OÄM 50-001).
DA50 Option – ADZ Nagano Oxygen Pressure ^{2*)}	Install if an Oxygen System with ADZ Nagano pressure sensor is installed in the airplane (OÄM 50-001).
DA50 Option – Propeller Deicing	Install if the propeller de-icing system is installed in the airplane (OÄM 50-011)
DA50 Option – TAS600 Series Installation	Install if a Traffic Advisory System is installed in the airplane (OÄM 50-006).
DA50 Option – WX500	Install if a Stormscope WX500 is installed in the airplane (OÄM 50-013).

1*) This two options are not required to be installed. If either one is installed, the steps below have to be followed.

- "Fuel Tanks: Fuel calibration" requires manual calibration of the fuel quantity indicators. For calibration, refer to Work Instruction WI-MSB 50-003, latest effective issue.
- "Fuel Tanks: Pre-calibrated" uses pre-defined frequency values of the fuel probes for the fuel quantity indication.

2*) Refer to Airplane Flight Manual Doc. No. 9.01.01-E section 06-10 Equipment List to determine the installed pressure transducer.



Approved Magnetic Field Charts (GRS1 MV DB)			
Software Part Number Approved Version		Remarks	
006-D2658-01	V2015.00		
006-D2658-02	V2020.00		

I.9 Mass (Weight) and CG

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II PLANNING INFORMATION

II.1 Material & Availability

Quantity	Part Number	Description
1	010-02576-02 010-02576-03	G1000 NXi Software Loader Card (Diamond DA50)

The required Garmin G1000 NXi Cockpit Reference Guide (CRG) and Pilot's Guide (PG) are referenced to the System Software Version number. The System Software Version number is displayed at the top right side of the MFD Power-up page.

System Software Version	Cockpit Reference Guide	Pilot´s Guide
2576.02	P/N 190-02800-00, Rev. B or later appropriate revision	P/N 190-02799-00, Rev. B or later appropriate revision
2576.03	P/N 190-02800-01, Rev. A or later appropriate revision	P/N 190-02799-01, Rev. A or later appropriate revision

Software and concurrent documents can be obtained through your Garmin distributor.

II.2 Special Tools

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II.3 Labor effort

Approx. 1 hour

II.4 <u>Credit</u>

None.



II.5 <u>Reference Documents</u>

None.

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III <u>REMARKS</u>

- 1. All work must be done by a certified aircraft service station or a certified aircraft maintenance mechanic.
- 2. Completion of all work must be recorded in the log book.
- 3. In case of any doubt contact Diamond Aircraft Industries GmbH.
- 4. The content of this MSB is mandatory in accordance with EASA TCDS EASA.A.639.



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WORK INSTRUCTION

WI-MSB 50-003

Installation of G1000 NXi System Software 010-02576-02

I GENERAL INFORMATION

I.1 <u>Subject</u>

This work instruction announces the installation of G1000 System Software Version P/N 010-02576-02.

I.2 <u>Reference Documents</u>

Diamond Aircraft DA 50 C Airplane Maintenance Manual, Doc. No. 9.02.01, latest effective issue.

Garmin G1000 NXi Line Maintenance Manual, P/N 190-02631-00, latest effective issue.

I.3 <u>Remarks</u>

- a) All work must be done by a certified aircraft service station or a certified aircraft maintenance mechanic.
- b) All work, in particular if not described in this work instruction, must be done in accordance with the referenced maintenance manual.
- c) For conversion factors between SI units and US/Imperial units refer to AMM Chapter 02.
- d) In case of doubt, contact Diamond Aircraft Industries GmbH.

II DRAWINGS, SPECIAL TOOLS & MATERIALS

II.1 Drawings

None.

II.2 Special Tools

None.



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II.3 Material

Quantity	Part Number	Description
1	010-02576-02	G1000 NXi Software Loader Card (Diamond DA50)
1 ^{*)}	006-B0371-03	GIA64 Boot Block v2.02.1

*) Optional software. The boot block software may be required after a GIA replacement. No DA 50 is delivered without this version installed.

Material is available from Diamond Aircraft Industries or Garmin. The GIA64 Boot Block loader is available from the Garmin Dealer Resource Center only.

III INSTRUCTIONS

1	These instructions present field upgrade procedures for the G1000 NXi System Software 010-02576-02 for the DA 50 C.
	These instructions must be followed step-by-step in order and completely, to upgrade an existing approved configuration of the system software to a newer approved configuration.
	It is assumed that the person performing the upgrade is familiar with the aircraft and has a good working knowledge of the Garmin G1000 NXi System.
	NOTE All G1000 NXi screen shots used in this document are intended to provide visual reference only. All information depicted in screen shots, including software file names, versions and part numbers, is subject to change and may not be up to date.
2	In the aircraft, turn the aircraft ELECT. MASTER switch on.



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3	Look at the MFD power-up screen (see following figure). In the upper right corner, the display shows 'Diamond DA50, System XXXX.XX'.
	Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Current Curre
4	This 'System' number is the System Software Version. It correlates to the G1000 NXi, DA50 System Loader Card. For example: EXAMPLE: System Software Version '2576.02' = Loader Image P/N 010-2576-02
5	If the System Software Version is already at 2576.02, this Software Service Bulletin may have already been performed, proceed to the Testing Procedure at the end of this bulletin.
6	Turn the aircraft ELECT. MASTER switch off.
	NOTE Performing the software update described in this bulletin will delete all stored Pilot Profiles, user waypoints, stored flight plans, and map settings from memory.
Soft	ware Load Preparation
7	Determine which optional equipment (i.e. ADF, DME, WX500, etc.) is installed in the airplane before loading software. Determine what optional features (i.e. Synthetic Vision (SVT), Jeppesen ChartView, etc.) are installed before loading the AIRFRAME configuration file. If the AIRFRAME configuration file is loaded from the system software card, you will need to unlock the optional features using their unlock cards. Make sure that all of the required materials and equipment are on hand before you begin the upgrade procedure.



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	 Software Loader Card GIA 64 Boot Block Loader (optional, see Section II.3) Chart View Unlock Card (optional OÄM 50-007) SVS Unlock Card (optional, OÄM 50-008) Enhanced AFCS Unlock Card (OÄM 50-009) 				
8	While performing this procedure ensure the airplane is connected to and drawing power from a power cart. A loss of power during this procedure may result in a defective GIA.				
9	Disengage (pull) the MFD and PFD circuit breakers.				
10	Turn on the ELECT. MASTER switch.				
11	Turn on the AV MASTER switch.				
12	Turn on the ground power unit.				
13	While holding the ENT key on the MFD, engage the MFD circuit breaker.				
14	When the words appear INITIALIZING SYSTEM in the upper left corner of the MFD, release the ENT key.				
15	Repeat steps 13 and 14 for the PFD.				
16	While in configuration mode write down the following configuration settings:				
	Aircraft Configuration				
	Aircraft Registration:				
	ICAO Address:				
	ICAO Region:				
	Domain Identifier:				
	VFR Code:				
	Transponder Airframe Configuration				
	1090 ES Out Control:				
	1090 ES In Capable:				
	UAT In Capable:				
	EHS Support:				
	Allow Flight ID Entry:				
	Default Flight ID:				
	Audio Panel Configuration (GMA Marker page)				
Marker Beacon Lo Sensitivity Offset (dB):					
	Marker Beacon Hi Sensitivity Offset (dB):				



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17	Navigate to the system status page and verify which Boot Block software version is installed on GIA #1 and GIA #2. If the boot block is already Part Number 006-B2546-BE, Version 2.02.1 skip the "GIA 64 Boot Block Load" section below.					
	GOUS ONLINE GTCS ONLINE, GTCS ONLINE, GTATUS OTHER LRUE HFD1 MFD2 GTC1 GTC5 GTC3 GTC3					
GIA	64 Boot Block Load (optional, refer to Section II.3)					
18	Disengage (pull) the MFD and PFD circuit breakers.					
19	Insert the GIA 64 Boot Block Loader Card into the PFD top card slot.					
20	While holding the ENT and CLR keys on the PFD and MFD, engage the PFD and MFD circuit breakers.					
21	When the words appear INITIALIZING SYSTEM in the upper left corner of the PFD/MFD, release the ENT and CLR keys.					
22	Using the PFD, go to the SYSTEM UPLOAD page using the FMS knob.					
23	Activate the cursor and highlight the ITEM field. CARD SD CARD GROUP GIA 64 Boot Block v2.02.1 ITEM Boot Block v2.02.1					
24	Press the LOAD softkey to begin the software loading process.					
25	Press the UPDT CFG softkey.					



26	Wait until the configuration module is updated and then press the ENT key to acknowledge.				
27	Disengage (pull) the MFD and PFD circuit breakers.				
28	Remove the GIA 64 Boot Block Loader Card from the PFD top card slot.				
29	Continue from step 31 below.				
MFD	D and PFD Software Load:				
30	Disengage (pull) the MFD and PFD circuit breakers.				
31	Insert the G1000 NXi Software Loader Card into the MFD top card slot.				
32	While holding the ENT key on the MFD, engage the MFD circuit breaker.				
33	When the words appear INITIALIZING SYSTEM in the upper left corner of the MFD, release the ENT key.				
34	Press the ENT key to acknowledge the following prompt (NOTE: A softkey labeled 'YES' appears in the lower right corner and may be used instead of the ENT key):				
	DO YOU WANT TO UPDATE SYSTEM FILES? NO WILL BE ASSUMED IN 30 SECONDS.				
35	The following screen is displayed.				
	DO YOU WANT TO UPDATE SYSTEM FILES? NO WILL BE ASSUMED IN 20 SECONDS. UPDATING SYSTEM FILES, PLEASE WAIT.				
36	When the "DO YOU WANT TO UPDATE SPLASHSCREEN" prompt appears, press the YES softkey.				
37	Press any key to confirm update completion after the splash screen has finished loading.				
38	If a message appears about verifying the databases, press any key to continue.				
39	New software is loaded to the MFD. When complete, the MFD starts in configuration mode.				
40	Pull the MFD circuit breaker.				
41	Remove the G1000 NXi Loader Card from the MFD and insert it into the top card slot on the PFD.				
42	While holding the ENT key on the PFD, engage the PFD circuit breaker.				
43	When the words appear INITIALIZING SYSTEM in the upper left corner of the PFD, release the ENT key.				



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Press the ENT key to acknowledge the following prompt (NOTE: A softkey labeled 'YES' appears in the lower right corner and may be used in lieu of the ENT key):			
DO YOU WANT TO UPDATE SYSTEM FILES? NO WILL BE ASSUMED IN 30 SECONDS.			
The following screen is displayed.			
DO YOU WANT TO UPDATE SYSTEM FILES? NO WILL BE ASSUMED IN 20 SECONDS. UPDATING SYSTEM FILES, PLEASE WAIT.			
When the "DO YOU WANT TO UPDATE SPLASHSCREEN" prompt appears, press the YES softkey.			
Press any key to confirm update completion after the splash screen has finished loading.			
If a message appears about verifying the databases, press any key to continue.			
New software is loaded to the PFD. When complete, the PFD starts in configuration mode. Do not remove power.			
Start the MFD in configuration mode by pressing the ENT key and engaging the MFD circuit breaker.			
NOTE			
For the rest of the software/configuration procedure, do not operate the MFD while loading software or configuration files unless specifically instructed to do so. A failed or cancelled load may result.			
itial G1000 NXi Software and Configuration Upload:			
Using the PFD, go to the SYSTEM UPLOAD page using the FMS knob.			
Activate the cursor and highlight the GROUP field.			
Using the FMS knob select DA50.			
Press the ENT key.			



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55	Using the FMS knob select Diamond DA50 in the ITEM field
	FLEET ID 30AEFF00 SYSTEM UPLOAD AIRORAFT ID 9826AC42 CARD 010-02576-02 [INTERNAL COPY] GROUP DA50
	Diamond DA50 Diamo
56	Press the ENT key.
57	Press the LOAD softkey to begin the software and configuration loading process.
58	Monitor the status of the upload process.
59	Once all files have been successfully loaded, press the ENT key to acknowledge the Upload Complete prompt.



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Optional Equipment:					
60	If the airplane is equipped with any of the following optional equipment, perform the procedure below to load software and configuration files. If the DA 50 C is not equipped with any of the following options (except "Fuel Tanks"), proceed to Step 70 of this bulletin. Even though more options may be included in the software loader card, only those shown in the MSB 50-003, latest effective issue are currently approved for installation.				
	 DA50 Option – ADF DA50 Option – DME DA50 Option – Fuel Tanks: Fuel calibration^{1*)} DA50 Option – Fuel Tanks: Pre-calibrated^{1*)} DA50 Option – GCU 476 DA50 Option – Flightstream 510 Enable DA50 Option – GFC 700 with ESP and USP DA50 Option – GSR 56 DA50 Option – GSR 56 Voice/Text Only DA50 Option – GTX 345 Option DA50 Option – GTX 345 and TAS 600 DA50 Option – Aerox Oxygen Pressure^{2*)} DA50 Option – TAS600 Series Installation DA50 Option – TAS600 Series Installation 				
	 1*) This two options are not required to be installed. If either one is installed, the steps below have to be followed. "Fuel Tanks: Fuel calibration" requires manual calibration of the fuel quantity indicators. Recommended option. For calibration, refer to Step 74 of this bulletin. "Fuel Tanks: Pre-calibrated" uses pre-defined frequency values of the fuel probes for the fuel quantity indication. A check of the fuel quantity indicators is required if this option is loaded. 				
	2*) Refer to Airplane Flight Manual Doc. No. 9.01.01-E section 06-10 Equipment List to determine the installed pressure transducer.				
Load	ding Optional Equipment Software and Configuration Files:				
61	If not already there, go to the SYSTEM UPLOAD page using the FMS knob.				
62	Activate the cursor and highlight the GROUP field.				
63	Using the FMS knob select DA 50 C Options.				
64	Press the ENT key.				



65	Using the FMS knob select the appropriate option and press the ENT key.				
	REET ID SINGFFRO SYSTEM UPLOAD GARD 010-02576-02 [INTERNAL COPY] GROUE DASD Option = ADF DASD Option = CDI DASD Option =				
	Cancel Scroll Select				
66	Press the LOAD softkey, to begin the software and configuration loading process.				
67	Press the ENT key to acknowledge the Upload Complete prompt.				
	Upload and Crossfill Complete NO UPLOAD IN PROGRESS				
68	View the SUMMARY field and ensure that all items are "COMPLETED".				
69	Repeat steps 65 through 68 to load any other equipped options.				



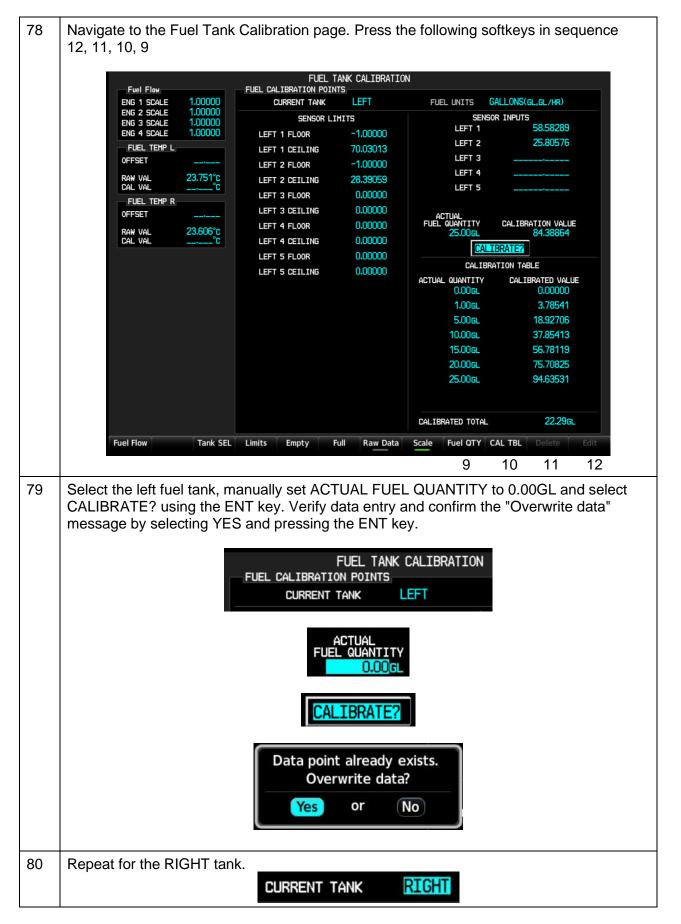
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70	Re-enter the configuration settings of the Audio Panel into the Set column as noted in Step 16 of this bulletin and press the "Set>GMA 1" softkey.					
	GMA Marker					
			GMA - #2 🔀		XHTML 006-D3035-F3 v5.30D	
		Marker Beacon Configuratio		A1 Active GMA	2 Active	
			0 0			
		Hi Sensitivity Offset (dB)	0 0			
		Audio Threshold Offset (dB)	-10 -1	0		
		Audio Off Debounce (ms)	700 70	0		
	-					
71		ircraft Registratio s the "Set GTX1"	softkey after		R Code on the Aircraft C try.	onfiguration
		LRU CONFIGURATION STATUS	hitoh			
		GTX 1				
		AIRCRAFT CONFIGURATION				
		AIRCRAFT REGISTRATION	OEVVV			
		ICAO ADDRESS ICAO REGION	44013A None			
		DOMAIN IDENTIFIER	NONE			
		VFR CODE	7000			
				System Status		
				Time Configuration Lighting Configuration		
				System Audio System Upload		
				LRU Replacement Transaction Log		
				Aircraft Configuration		
				Diagnostics Terminal OEM Diagnostics		
				System Configuration System Data Path Con	figuration	
				System Setup Manifest Configuratio		
				Maintenance Logs Log Utilities		
				Configuration Manage		
				License Agreement	GEA71x GTX3x5 GRS ADC GMAx36x RMT C	AL
	2	Set GTX1			GND Test	



72	Re-enter the configuration settings of the Transponder as noted in Step 16 of this bulletin.				
	Transponder Airframe Config				
		guration Status	хнтм	L 006-D6674-15 v2.61	
	GTX 335 - 6	#1 🛃 GTX 3x5 - #2			
		Set Configuration	XPDR 1 Active		
	ICAO Addres Aircraft Reg VFR Squaw	gistration	44013A OEVVV 7000		
		Configuration			
	Aircraft Len Aircraft Wid	dth <= 23.0 Meters	<= 15 Meters <= 23.0 Meters		
	Aircraft Cat Max Airspee		Light <= 300 Knots		
	Operationa 1090 ES Out	nal Options ut Control Pilot Controlled	Pilot Controlled		
	1090 ES In 0 UAT In Capa	Capable			
	EHS Support	rt 🗆			
	Flight ID O Allow Flight	t ID Entry PFD Entry	PFD Entry		
	Default Flig	ght ID			
	Set>GTX1 GTX1>	>Set Set>GTX2 GTX2>Set			
73	Verify following setting	as on the GMA Optio	ns page.		
-					
	LRU Configuration Status	S		XHTML 006-D3035-F3 v5.30D	
	GMA - #1 🗾	GMA - #2 🔀			
	ARC Options Configuration	ion			
	Set GMA1 Active	e GMA2 Active Option Descrip	tion		
	OFF OFF	In Split Com Mo	de, Record COM2 for copilot instead	of COM1 for pilot	
	OFF OFF	Enable operation	on of AUX button on front panel		
	OFF OFF	Enable operation	on of AUX MIC button on front panel		
	OFF OFF	Enable operation	on of TEL button on front panel		
	ON ON	Enable operation	on of DME button on front panel		
	OFF OFF	Enable operation	on of ADF button on front panel		
	OFF OFF		on of Speaker function of SPKR/PA b		
	ON ON Enable operation of PA function of SPKR/PA button on front panel				
	ON ON		on of PLAY button on front panel		
	OFF OFF		on of MUS1 button (for wired source)		
	OFF OFF Enable operation of MUS2 button (for wired source) on front panel				
	TEL button should be	set to ON if a GSR5	6 Satellite Transceive	r is installed	
	DME button should be				
	ADF button should be				
74	If the option "Fuel Ten	ke: Eucl Calibration"	has been leaded not	rform stops 75 to 92	
74	If the option "Fuel Tan		nas been loaded, per	ionn steps 75 to 62.	
	Otherwise proceed wit	in step os.			
75	Level the airplane in a	accordance with the A	Airplane Maintenance	Manual.	
76	Completely drain both fuel tanks.				
77	Re-fill 1.0 USgal into the left fuel tank and 1.5 USgal into the right fuel tank.				



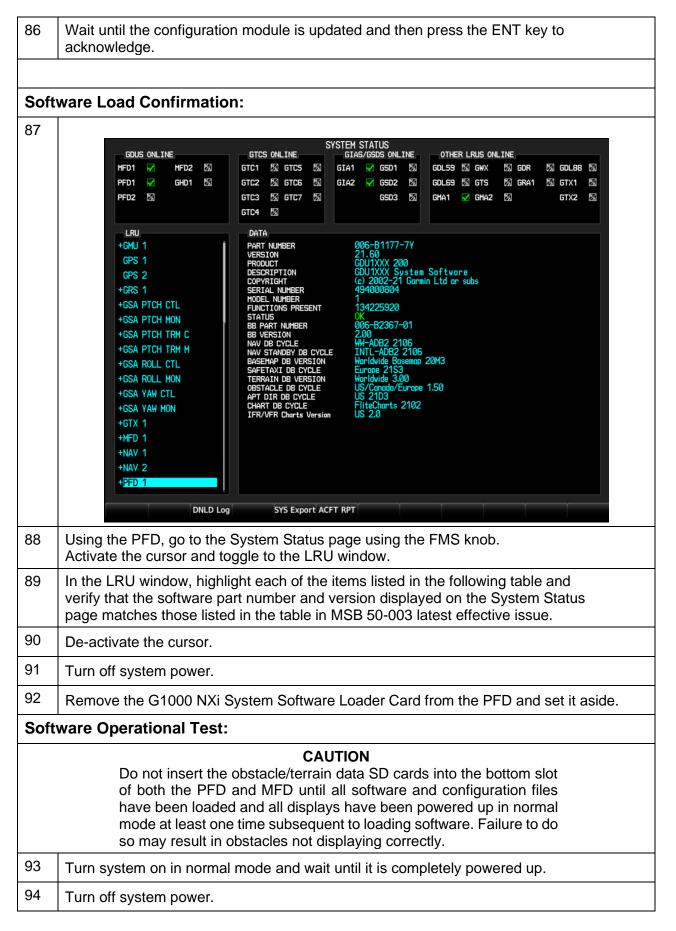




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81	Re-fill another 1.0 USgal into the left fuel tank and another 1.5 USgal into the right fuel tank and calibrate the data points.				
	ACTUAL FUEL QUANTITY CALIBRA 1.00GL CALIBRATE?				
	ACTUAL FUEL QUANTITY CALIBRA 1.50GL CALIBRATE?				
82	Re-fill another 4.0 USgal into the left fuel tank and another 3.5 USgal into the right fuel tank and calibrate the 5.00USgal data points. Repeat for all datapoints shown in the calibration table. (max. 25.00 LH and 24.00 RH)				
	CALIBRATION TABLE				
	ACTUAL QUANTITY CALIBRATED VALUE 0.00GL 0.00000				
	1.00gL 3.78541				
	5.00GL 18.92706				
	10.00GL 37.85413				
	15.00GL 56.78119				
	20.00GL 75.70825				
	25.00 GL 94.63531				
83	Go to the CONFIGURATION MANAGER page and pres the CNFM CFG softkey.				
	CONFIGURATION IDENTIFICATION. EXPECTED ACTUAL CONFIGURATION ID CONFIGURATION ID				
	FLEET 30AEFF00 30AEFF00				
	ATRORAFT 9B26AC42 9B26AC42				
	CONFIGURATION ITEMS STATUS				
	+COM 1 Valid +COM 2 Valid				
	+GDC 1 Valid				
	+GEA 1 Valid +GIA 1 Valid				
	+GIA 2 Valid +GMA 1 Valid				
	+GRS 1 Valid				
	+GTX 1 Valid +MFD 1 Valid				
	+PFD 1 Valid				
	CNFM CFG				
84	Navigate to the SYSTEM UPLOAD page using the FMS knob.				
85					







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95	Reinsert the database card.			
96	Turn system on in normal mode.			
97	If messages appear about verifying databases, press any key to continue.			
98	Look at the MFD power-up screee. In the upper right corner, the display shows biamond DA50 System 2576.02': Diamond DA50 System 2576.02			
99	Verify that the System Software Version is correct.			
100	Press the ENT key to acknowledge the agreement on the MFD (the rightmost softkey may also be used to acknowledge the agreement).			
101	Allow the displays to initialize for approximately one minute. The GDC 72 and GRS 79/GMU 44 require a longer initialization period than do other LRUs. During normal operation, this causes the attitude, heading, airspeed, altitude, vertical speed, and OAT fields to be invalid during the first 40-60 seconds of PFD power-up.			



