

MANDATORY SERVICE BULLETIN

MSB 50-003/7

SUPERSEDES MSB 50-003/6

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,
	50.C.Q.A.001 and subsequent

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

At next scheduled maintenance action.

Note: Prior compliance with MSB 50-003 through MSB 50-003/6 does not constitute compliance with this MSB.

I.4 Subject

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

I.5 <u>Reason</u>

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

I.6 Concurrent Documents

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, MÄM 50-221 and MÄM 50-514 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, or WI-MSB 50-003, latest effective issue.

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, or WI-MSB 50-003, latest effective issue.

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.



Software Part Number	Software Version	Software Name	Remarks
System			This software
010-02576-02	v2576.02		version supports
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 Part Number	Software Version	Software Name	Remarks
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-D9378-00	V2.00	GFC Cert GIA AFCS Gains	

Software Part Number	Software Version	Software Name	Remarks
System			This software
010-02576-03	v2576.03		version supports
Manifest			System
006-B0224-01	V2.05	GMU System	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 &
006-B1797-16	V3.21	GTX 3X5 / ADS-B	 Glow Fail
006-B1827-22	V8.2	GPS/WAAS System	Caution
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	



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	luded in the software loader card, only those lation.
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 "	
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 <u>Material & Availability</u>

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 Credit

None.



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

None.

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.



WORK INSTRUCTION

WI-MSB 50-003

Installation of G1000 NXi System Software 010-02576-03

I GENERAL INFORMATION

I.1 <u>Subject</u>

This work instruction announces the installation of G1000 NXi System Software Version P/N 010-02576-03.

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.



II.3 Material

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

Material is available from Diamond Aircraft Industries or Garmin.

III INSTRUCTIONS

1	These instructions present field upgrade procedures for the G1000 NXi System Software 010-02576-03 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 circret turn the circret ELECT MASTER quitch on
2	In the aircraft, turn the aircraft ELECT. MASTER Switch on.
3	Look at the MFD power-up screen (see following figure). In the upper right corner, the display shows 'Diamond DA50, System XXXX.XX'.
	<complex-block>Diamond DA 50 System 2576.03 System 2576.03 System 2576.03</complex-block>
	All may and terrain data provided is only to be used DELADEL PHONEC as a general intervence to add an abundhout anomeness. (9 2000-21 Gammin tad or subs
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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 '2576.03' = Loader Image P/N 010-2576-03
5	If the System Software Version is already at 2576.03, this Software Service Bulletin may have already been performed. Verify that steps 57 through 66 have been performed and 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. • Software Loader Card • 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):
MFD	and PFD Software Load:
17	Disengage (pull) the MFD and PFD circuit breakers.
18	Insert the G1000 NXi Software Loader Card into the MFD top card slot.
19	While holding the ENT key on the MFD, engage the MFD circuit breaker.
20	When the words appear INITIALIZING SYSTEM in the upper left corner of the MFD, release the ENT key.
21	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.
22	The following screen is displayed.
	DO YOU WANT TO UPDATE SYSTEM FILES? NO WILL BE ASSUMED IN 20 SECONDS. UPDATING SYSTEM FILES, PLEASE WAIT.



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23	When the "DO YOU WANT TO UPDATE SPLASHSCREEN" prompt appears, press the YES softkey.
24	Press any key to confirm update completion after the splash screen has finished loading.
25	If a message appears about verifying the databases, press any key to continue.
26	New software is loaded to the MFD. When complete, the MFD starts in configuration mode.
27	Pull the MFD circuit breaker.
28	Remove the G1000 NXi Loader Card from the MFD and insert it into the top card slot on the PFD.
29	While holding the ENT key on the PFD, engage the PFD circuit breaker.
30	When the words appear INITIALIZING SYSTEM in the upper left corner of the PFD, release the ENT key.
31	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.
32	The following screen is displayed.
	DO YOU WANT TO UPDATE SYSTEM FILES? NO WILL BE ASSUMED IN 20 SECONDS. UPDATING SYSTEM FILES, PLEASE WAIT.
33	When the "DO YOU WANT TO UPDATE SPLASHSCREEN" prompt appears, press the YES softkey.
34	Press any key to confirm update completion after the splash screen has finished loading.
35	If a message appears about verifying the databases, press any key to continue.
36	New software is loaded to the PFD. When complete, the PFD starts in configuration mode. Do not remove power.
37	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.



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Initia	I G1000 NXi Software and Configuration Upload:
38	Using the PFD, go to the SYSTEM UPLOAD page using the FMS knob.
39	Activate the cursor and highlight the GROUP field.
40	Using the FMS knob select DA50.
41	Press the ENT key.
42	Using the FMS knob select Diamond DA50 in the ITEM field
	FLEET ID 30AEFF00 SYSTEM UPLOAD AIRCRAFT ID 9826AC42 CARD 010-02576-02 [INTERNAL COPY] GROUP DASO JTEH Dismond DAS0 Dismond DAS0
43	Press the ENT key.
44	Press the LOAD softkey to begin the software and configuration loading process.
45	Monitor the status of the upload process.



46	Once all files have been successfully loaded, press the ENT key to acknowledge the Upload Complete prompt.
Opti	onal Equipment:
47	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 57 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: Fuel calibration ^{1*)} DA50 Option – Fuel Tanks: Pre-calibrated ^{1*)} DA50 Option – GCU 476 DA50 Option – GCU 476 DA50 Option – GFC 700 with ESP and USP DA50 Option – GFC 700 with ESP and USP DA50 Option – GSR 56 DA50 Option – GTX 345 Option DA50 Option – GTX 345 and TAS 600 DA50 Option – ADZ Nagano Pressure ^{2*)} DA50 Option – ADZ Nagano Pressure ^{2*)} DA50 Option – ADZ Nagano Pressure ^{2*)} DA50 Option – MX500
	 2*) Refer to Airplane Flight Manual Doc. No. 9.01.01-E section 06-10 Equipment List to determine the installed pressure transducer.



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Load	ling Optional Equipment Software and Configuration Files:					
48	If not already there, go to the SYSTEM UPLOAD page using the FMS knob.					
49	Activate the cursor and highlight the GROUP field.					
50	Using the FMS knob select DA 50 C Options.					
51	Press the ENT key.					
52	Using the FMS knob select the appropriate option and press the ENT key.					
	O10-02576-02 IINTERNAL COPYI BROUP DA50 Options ITEH DA50 Option - ADF DA50 Option - ADF DA50 Option - ADF DA50 Option - Decing DA50 Option - Flightstream 510 Endole DA50 Option - Flightstream 510 Endole DA50 Option - Flightstream 510 Endole DA50 Option - GOLESA SXM SUMMARY Cancel Scroll Select					
53	Press the LOAD softkey, to begin the software and configuration loading process.					
54	Press the ENT key to acknowledge the Upload Complete prompt.					
	Upload and Crossfill Complete NO UPLOAD IN PROGRESS 100.0%					
55	View the SUMMARY field and ensure that all items are "COMPLETED".					
56	Repeat steps 52 through 55 to load any other equipped options.					



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57	Re-enter the configuration s Step 16 of this bulletin and p	ettings of the press the "Se	Audio Panel into the t>GMA 1" softkey.	e Set column as noted in
			GMA Marker	
	⊂LRU Configuration Status— GMA – #1 😡	GMA - #2 🔀		XHTML 006-D3035-F3 v5.30D
	Marker Beacon Configurati	on	141 Active GMA2 Active	
	Lo Sensitivity Offset (dB)	0 0	IAT ACTIVE GMAZ ACTIVE	
	Hi Sensitivity Offset (dB)	0 0		
	Audio Threshold Offset (dB)	-10 -	10	
	Audio Off Debounce (ms)	700 70	00	
58	Enter the Aircraft Registratic Page. Press the "Set GTX1" If the airplane is equipped w	on, ICAO Add softkey after ith a GTS 80	ress and VFR Code the data entry. 0, also press the "Se	on the Aircraft Configuration et GTS" softkey.
		AIRCR	AFT CONFIGURATION	
	LRU CONFIGURATION STATUS			
	GTX 1 🖌			
	AIRCRAFT CONFIGURATION			
	AIRCRAFT REGISTRATION	OEVVV		
	ICAO ADDRESS	44013A		
	DOMAIN IDENTIFIER	NUNE		
	VFR CODE	7000		
			Curtor Chetur	
			Time Configuration	
			Lighting Configuration System Audio	
			System Upload LRU Replacement	
			Transaction Log Aircraft Configuration	
			Diagnostics Terminal	
			OEM Diagnostics System Configuration	
			System Data Path Configuration System Setup	
			Manifest Configuration	
			Log Utilities	
			Configuration Manager License Agreement	
			System GDU GIA64x GEA71x GTX	3x5 GRS ADC GMAx36x RMT CAL
	Set GTX1			GND Test



59	Re-enter the configuration settings of the Transponder as noted in Step 16 of this bulletin.							
			Transp	onder Airframe Config				
		LRU Configuration State	us		XHTML 006-D6674-15 v2.61			
		GTX 335 – #1 🔽	GTX 3x5	- #2 🔯				
		Aircraft Configuration-	Set	XPDR 1 Active				
		ICAO Address Aircraft Registration		44013A OEVVV				
		VFR Squawk Code		7000				
		Airframe Configuration Aircraft Length Aircraft Width Aircraft Category	<= 15 Meters <= 23.0 Meters Light	<= 15 Meters <= 23.0 Meters Light				
		Max Airspeed	<= 300 Knots	<= 300 Knots				
		1090 ES Out Control 1090 ES In Capable UAT In Capable	Pilot Controlled	Pilot Controlled				
		EHS Support						
		Allow Flight ID Entry Default Flight ID	PFD Entry	PFD Entry				
		Sata CTV1 CTV1>Sat	valetvased		· · · · · · · · · · · · · · · · · · ·			
		Set>GIAT GIAT>Set	A2 G1A2>Set					
60	Verify/Set folle	owing settings	on the GMA	Options page.				
	LRU Configu	iration Status			XHTML 006-D3033-F3 V3.30D			
	GMA - #1	GMA -	#2 🔀					
	ARC Options	s Configuration						
	Set	GMA1 Active GMA2	Active Option Desc	ription				
	OFF	OFF	In Split Com	In Split Com Mode, Record COM2 for copilot instead of COM1 for pilot				
	OFF	OFF	Enable operation of AUX button on front panel					
	OFF	OFF	Enable oper	ation of AUX MIC button on fro	nt panel			
	OFF	OFF	Enable oper	ation of TEL button on front pa	anel			
	ON	ON	Enable operation of DME button on front panel					
	OFF	OFF	Enable oper	ation of ADF button on front p	anel			
	OFF	OFF	Enable oper	ration of Speaker function of SF	PKR/PA button on front panel			
	ON	ON	Enable oper	ration of PA function of SPKR/PA	A button on front panel			
	ON	ON	Enable oper	ation of PLAY button on front p	banel			
	OFF	OFF	Enable oper	ation of MUS1 button (for wired	d source) on front panel			
	OFF	OFF	Enable oper	ation of MUS2 button (for wired	a source) on front panel			
	TEL button sh	nould be set to	ON if a GSR	56 Satellite Transo	ceiver is installed.			
	DME button s	hould be set to	ON if a DM	E is installed.				
	ADF button sl	hould be set to	ON is an AI	OF is installed.				
	"Always use [Digital Audio" s	hould be set	to ON				
			Always use					
			Always use	Bigital Addio	Į.			



	Source	Pilot	(Copilot	Pax	
	DIG COMs	20	2	20	20	
	XCVR 0 FS	20	2	20	20	
	XCVR 1	20	2	20	20	
	XCVR 3	20	2	20	20	
		GM	A Fact Volumo	Configuration		
		Gin		conngulation		
	LRU Configuration Status			XHTML 006-D3035-F3 v5.30D		
	GMA - #1 🖌 G	MA - #2 🔀				
	Select Table	Volume Confi	guration – Adjust			
	neauser	Source	Output	et Active		
		DIG COMS	Pliot	20		
	Fleadset Levels	Pax	Mic Levels	Alert Sq	uelch Level	
	DIG COMs 20 20	20	Source Level	Source	-48	
	XCVR 0 FS 20 20	20	Copilot Mic 0	ALERT 2	-48	
	XCVR 3 20 20	20		ALERT 3	-48 -48	
			GARMI	N GA58		
	TOP ANT CBL I	2.7dB				
	BOTTOM ANTE	GARMI	N GA58			
	BOT ANT CBL LOSS		2.5dB			
	ICAO ADDRES	S	specific	to airplane		
	VOLUME		-10dB	-10dB		
	VOICE		FEMAL	E		
	ADS-B TX			 FD*)		
		2				
				stalled in the		
	aiplane.		794917 18 11			
}	Navigate to the GEA page	and sele	ect the Digita	al In subpage		
1	Press the "Detail" softkey.					
5	Activate the cursor and high	ghlight in	the "Select	Channel" field	d following digital inputs	
	Change their minimum an	d maximu	um values a	s shown belo	W.	
6	Digital In 1A Change the Min Value in t Change the Max Value in	he Set co the Set co	olumn to 2.0 olumn to 3.0	8000e+03)0000e+03		



	Digital In 2A Change the Min Value in the Set column to 3.40000e+03 Change the Max Value in the Set column to 4.55000e+03 Press the Set>Actv softkey and wait until the new Min and Max Values are shown in the Active column.							
	Digital In 3A Change the Min Value in the Set column to 3.40000e+03 Change the Max Value in the Set column to 4.55000e+03 Press the Set>Actv softkey and wait until the new Min and Max Values are shown Active column.						shown in the	
	Digital In 4A Change the M Change the M Press the Set Active column	/lin Value /lax Value :>Actv sof า.	in the Set in the Se tkey and v	column t t column wait until	to 2.08000e to 3.00000e the new Mir	+03 e+03 and Max	k Values are	shown in the
					Digital In			
		Select Unit GEA 1 Current Channel	LRU Conr GEA1	nection Status GEA2 🔀	GEA3 🔀 GEA4 👂		xHTML 006-D6358-HG v2.40 Select Channel Digital In 1A	
		Data:	Value: 59.52295		Data Type: EAU FUEL ON	TY L 1		
		Digital Input Cor Mode Comparator Update Rate Excitation Ch Trans Func Type Check Range Sample Method Pulse Rej Width Min Value Max Value Filter Coeff	figuration Set Frequency DC 10 Disabled Third Order Normal 0 2.08000e+03 3.0000e+03 1.77803e-02	Active Frequency DC 10 Disabled Third Order □ Normal 0 2.08000e+3 3.00000e+3 1.77803e-2	Digital Input Pa Num Pieces x0 A.0 B.0 C.0 D.0 X.1 A.1 B.1 C.1 D.1 X.2 A.2 B.2 C.2 D.2 X.3 A.3 B.3 C.3 D.3	rams Set 4.00000e+00 2.14500e+03 0.00000e+00 0.00000e+00 0.00000e+00 0.00000e+00 0.00000e+00 0.00000e+00 0.42425e+03 2.83200e+03 2.83200e+03 0.00000e+00 0.00000e+00 0.00000e+00 0.00000e+00	Active 4.00000e+0 2.14500e+3 0.00000e+0 0.00000e+0 6.81374e+1 2.15100e+3 0.00000e+0 -1.09899e+0 2.42425e+3 2.83200e+3 7.31745e-8 -4.89726e-4 9.80539e-1 -5.11431e+2 2.96000e+3 0.00000e+0 0.00000e+0 0.00000e+0 0.00000e+0	
	Sta	atus Detail	Set>Actv Actv>Se	t				
67	If the option " Otherwise pro	Fuel Tank	ks: Fuel C n step 76.	alibration	" has been	loaded, p	erform steps	68 to 75.
68	Level the airp	lane in ac	cordance	with the	Airplane Ma	aintenanc	e Manual.	
69	Completely d	rain both	fuel tanks					
70	Re-fill 1.0 USgal into the left fuel tank and 1.5 USgal into the right fuel tank.							







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74	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?
75	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 0.000GL 0.00000
	1.00 _{GL} 3.78541
	5.00GL 18.92706
	10.00 _{GL} 37.85413
	15.00 _{GL} 56.78119
	20.00GL 75.70825
	25.00GL 94.63531
76	Go to the CONFIGURATION MANAGER page and press the CNEM CEG softkey
	CONFIGURATION IDENTIFICATION
	CONFERENCE AND A CONFER
	AIRCRAFT 9B26AC42 9B26AC42
	CONFIGURATION ITEMS
	+COM 1 Volid
	+COM 2 Valid
	+GEA 1 Valid
	+GIA 1 Volid
	+GMA 1 Valid
	+GRS 1 Valid
	+GTX 1 Valid +MFD 1 Valid
	+PFD 1 Volid
77	Navigate to the SYSTEM UPLOAD page using the FMS knob.
78	Press the UPDT CFG softkey.











