
MANDATORY SERVICE BULLETIN NO. MSB 62-003 REV. 6
SUPERSEDES MSB 62-003 REV. 5

I TECHNICAL DETAILS

I.1 Category

Mandatory

I.2 Airplanes Affected

Type: DA 62
S/N: 62.007 and subsequent.
62.C001 and subsequent

I.3 Time of Compliance

At next maintenance action.

NOTE: prior compliance with MSB 62-003 Rev. 0 through MSB 62-003 Rev. 4 does not preclude compliance with this MSB.

I.4 Subject

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

I.5 Reason

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

NOTE: the G1000 system uses a software part number and loader card part number. This revision has updated tables to properly reflect both. The individual software tables provide the software part number and the table in Section II.1 provides the loader card part number.

I.6 Concurrent Documents

Garmin G1000 System Maintenance Manual, P/N 190-00907-00, latest effective issue.

I.7 Approval

The technical information and instructions contained in this document relate to Design Change Advisories No. VÄM 42-007, MÄM 62-191, MÄM 62-236, MÄM 62-254, MÄM 62-1007, and MÄM 62-1012.

The technical content of this document has been approved as part of the type design.



I.8 Accomplishment/Instructions

I.8.1 Applicable to Garmin G1000 (Legacy)

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

If the 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 System 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 System Maintenance Manual, latest effective issue, or other related Garmin documents.

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

Software Part Number	Software Version	Function	Remarks
System			<ul style="list-style-type: none"> Garmin G1000 Pilot's Guide P/N 190-01895-00 Rev. A, or later appropriate revision, and Garmin G1000 Cockpit Reference Guide P/N 190-01896-00 Rev. A, or later appropriate revision, must be used.
006-B2056-00	V1373.00		
Manifest			
006-B0172-XX	V7.04	GTX1	
006-B0193-05	V2.07	GEA1	
006-B0203-44	V4.04	GMA1	
006-B0223-24	V3.04	GRS1	
006-B0224-01	V2.05	GMU1	
006-B0319-C4	V14.04	PFD1, MFD1	
006-C0048-00	V2.00	GMU1 FPGA	
006-C0049-00	V02.00	GRS1 FPGA	
006-C0055-00	V01.05	GDC1 FPGA	
006-B0261-19	V3.09	GDC1	
006-D0425-08	V2.13	GIA1 Audio, GIA2 Audio	
006-B0398-35	V3.11	GSA 8X	

Diamond Aircraft Industries
MANDATORY SERVICE BULLETIN
 Model DA 62



Software Part Number	Software Version	Function	Remarks
006-D5262-00	V2.00	GFC700 Cert Gains (GFC700 & ESP/USP)	
006-D5262-01	V2.01	GFC700 Cert Gains (Increased Availability)	
006-B0339-20	V5.0	GPS1, GPS2	
006-B0544-4R	V7.61	GIA1, GIA2	
006-C0036-04	V1.04	GDU 1XXX FPGA	
006-B0756-15	V2.40	GWX1	
006-C0119-02	V1.2	GWX1 FPGA	

Software Part Number	Software Version	Function	Remarks
System			<ul style="list-style-type: none"> Garmin G1000 Pilot's Guide P/N 190-01895-01 Rev. A, or later appropriate revision, and Garmin G1000 Cockpit Reference Guide P/N 190-01896-01 Rev. A, or later appropriate revision, must be used.
006-B2056-01	V1373.01		
Manifest			
006-B0172-XX	V8.01	GTX1	
006-B0193-05	V2.07	GEA1	
006-B0203-44	V4.04	GMA1	
006-B0223-24	V3.04	GRS1	
006-B0224-01	V2.05	GMU1	
006-B0319-D7	V15.12	PFD1, MFD1	
006-C0048-00	V2.00	GMU1 FPGA	
006-C0049-00	V02.00	GRS1 FPGA	
006-C0055-00	V01.05	GDC1 FPGA	
006-B0261-19	V3.09	GDC1	
006-D0425-08	V2.13	GIA1 Audio, GIA2 Audio	
006-B0398-35	V3.11	GSA 8X	
006-D5262-00	V2.00	GFC700 Cert Gains (GFC700 & ESP/USP)	

MANDATORY SERVICE BULLETIN

Model DA 62

Software Part Number	Software Version	Function	Remarks
006-D5262-01	V2.01	GFC700 Cert Gains <small>(Increased Availability)</small>	
006-B0339-21	V5.1	GPS1, GPS2	
006-B0544-4S	V7.80	GIA1, GIA2	
006-C0036-04	V1.04	GDU 1XXX FPGA	
006-B0756-15	V2.40	GWX1	
006-C0119-02	V1.2	GWX1 FPGA	

Approved Configurations (Software)	Remarks
NOTE: even though more options may be included in the software loader card, only those shown below are currently approved for installation.	
DA62 Option - ADF	Install if an ADF (OÄM 62-007) is installed in the airplane.
DA62 Option - Aux Fuel Tanks	Install if auxiliary fuel tanks (OÄM 62-001) are installed in the airplane.
DA62 Option - Deicing	Install if a TKS System (OÄM 62-002 and/or OÄM 62-003) is installed in the airplane.
DA62 Option - DME	Install if a DME (OÄM 62-008) is installed in the airplane.
DA62 Option - GCU 476	Install if a Garmin Control Unit (OÄM 62-031) is installed in the airplane.
DA62 Option - GFC700	Install if a GFC 700 Autopilot System is installed in the airplane.
DA62 Option - GFC700 with ESP and USP	Install if ESP/USP (OÄM 62-014) is installed in the airplane. NOTE: an additional unlock card is required.
DA62 Option - GFC700 Increased Availability	Install if Increased AFCS Availability (part of OÄM 62-014) is installed in the airplane. NOTE: an additional unlock card is required.
DA62 Option - GSR56	Install if a Satellite Transceiver (OÄM 62-015) is installed in the airplane.
DA62 Option - GWX70	Install if a Weather Radar (OÄM 62-009) is installed in the airplane.



Approved Configurations (Software)	Remarks
DA62 Option - 2300 kg Max Takeoff Weight	Install if MTOM of 2300 kg (MÄM 62-001) is installed in the airplane. AFM Doc. No. 7.01.25-E Rev. 2, 11.01.05-E Rev. 0, or higher revisions must be used.
DA62 Option - TAS600 Series Installation	Install if a Traffic Advisory System (OÄM 62-011) is installed in the airplane.
DA62 Option - TWX670	Install if a Stormscope System WX-500 (OÄM 62-021) is installed in the airplane.

Approved Magnetic Field Charts (GRS1 MV DB)		
Software Part Number	Approved Version	Remarks
006-D0159-02	V2010.00	Valid until 31 Dec 2016.
006-D0159-03	V2015.00	Valid until 31 Dec 2021.
006-D0159-04	V2020.00	

I.8.2 Applicable to Airplanes with Garmin G1000 NXi (Phase I) Installed

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

If the 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 System 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 System Maintenance Manual, latest effective issue, or other related Garmin documents.

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

MANDATORY SERVICE BULLETIN

Model DA 62



Software Part Number	Software Version	Function	Remarks
System			<ul style="list-style-type: none"> Garmin G1000 NXi Pilot's Guide P/N 190-01904-00 Rev. A, or later appropriate revision, and Garmin G1000 NXi Cockpit Reference Guide P/N 190-01905-00 Rev. B, or later appropriate revision, must be used.
006-B2056-02	V1373.02		
Manifest			
006-B0081-42	V11.30	COM System	
006-B0082-12	V6.02	NAV System	
006-B0193-05	V2.07	GEA System	
006-B0203-44	V4.04	GMA System	
006-B0224-01	V2.05	GMU System	
006-B0339-22	V5.2	GPS/WAAS System	
006-B0398-35	V3.11	GSA 8X System	
006-B0544-6A	V8.05.4	GIA System	
006-B0742-12	V3.10	GCU System	
006-B0756-17	V2.55	GWX 70 System	
006-B1177-56	V20.05	GDU System	
006-B1607-05	V2.05	GTX 3X5 System	
006-B1838-03	V2.03	GRS 79 System	
006-B1838-52	V2.02	GDC 72 System	
006-C0036-04	V1.04	GDU FPGA	
006-C0048-00	V2.00	GMU FPGA	
006-C0119-02	V1.2	GWX 70 FPGA	
006-C0124-00	V1.00	NAV FPGA	
006-C0153-22	V2.20	GTX 3X5 FPGA	
006-D0425-08	V2.13	GIA Audio DB	
006-D1307-02	V2.00	GWX 70 Region List	
006-D5080-00	V2.00	GRS 79 Region List	
006-D5080-50	V2.00	GDC 72 Region List	

Diamond Aircraft Industries
MANDATORY SERVICE BULLETIN
 Model DA 62



Software Part Number	Software Version	Function	Remarks
006-D5262-00	V2.00	GFC Cert Gains (GFC700 & ESP/USP)	
006-D5262-01	V2.01	GFC Cert Gains (Increased AFCS Availability)	

Software Part Number	Software Version	Function	Remarks
System			<ul style="list-style-type: none"> Garmin G1000 NXi Pilot's Guide P/N 190-01904-00 Rev. A, or later appropriate revision, and Garmin G1000 NXi Cockpit Reference Guide P/N 190-01905-00 Rev. B, or later appropriate revision, must be used.
006-B2056-03	V1373.03		
Manifest			<ul style="list-style-type: none"> This software version is required for GTX 345R and/or FS510 installations
006-B0081-42	V11.3	COM System	
006-B0082-12	V6.02	NAV System	
006-B0193-05	V2.07	GEA System	
006-B0203-44	V4.04	GMA System	
006-B0224-01	V2.05	GMU System	
006-B0339-22	V5.2	GPS/WAAS System	
006-B0398-35	V3.11	GSA 8X System	
006-B0544-6A	V8.05.4	GIA System	
006-B0742-12	V3.10	GCU System	
006-B0756-17	V2.55	GWX 70 System	
006-B1177-57	V20.06	GDU System	
006-B1607-08	V2.11	GTX 3X5 System	
006-B1797-04	V2.1	GTX 3X5 ADS-B	
006-C0157-21	V2.1	GTX 3X5 ADS-B FPGA	
006-C0048-00	V2	GMU FPGA	
006-B1838-03	V2.03	GRS 79 System	
006-B1838-52	V2.02	GDC 72 System	
006-B1902-04	V5.1	GDL 69e System	

Software Part Number	Software Version	Function	Remarks
006-C0119-02	V1.2	GWX 70 FPGA	
006-C0124-00	V1	NAV FPGA	
006-C0153-22	V2.2	GTX 3X5 FPGA	
006-D4432-00	V2	GIA Audio Data	
006-D1307-02	V2	GWX 70 Region List	
006-D5080-00	V2	GRS 79 Region List	
006-D5080-50	V2	GDC 72 Region List	
006-D5262-01	V2.01	Cert Gain - Inc Avail	
006-D5402-02	V1.1	GDL 69e App Package	

Approved Configurations (Software)	Remarks
NOTE: even though more options may be included in the software loader card, only those shown below are currently approved for installation.	
DA62 Option - ADF	Install if an ADF (OÄM 62-007) is installed in the airplane.
DA62 Option - Aux Fuel Tanks with Gauges	Install if auxiliary fuel tanks (OÄM 62-001) are installed in the airplane.
DA62 Option - Deicing	Install if a TKS System (OÄM 62-002 and/or OÄM 62-003) is installed in the airplane.
DA62 Option - DME	Install if a DME (OÄM 62-008) is installed in the airplane.
DA62 Option - GCU 476	Install if a Garmin Control Unit (OÄM 62-031) is installed in the airplane.
DA62 Option - GFC700	Install if a GFC 700 Autopilot System is installed in the airplane.
DA62 Option - GFC700 with ESP and USP	Install if ESP/USP (OÄM 62-014) is installed in the airplane. NOTE: an additional unlock card is required.

Approved Configurations (Software)	Remarks
DA62 Option - GFC700 Increased Availability	Install if Increased AFCS Availability (part of OÄM 62-014) is installed in the airplane. NOTE: an additional unlock card is required.
DA62 Option - GSR56	Install if a Satellite Transceiver (OÄM 62-015) is installed in the airplane.
DA62 Option - GSR56 Voice/Text Only	Optional to "DA 62 Option - GSR56" above: install if OÄM 62-015 is installed in the airplane.
DA62 Option - GWX70	Install if a Weather Radar (OÄM 62-009) is installed in the airplane.
DA62 Option - 2300 kg Max Takeoff Weight	Install if MTOM of 2300 kg (MÄM 62-001) is installed in the airplane. AFM Doc. No. 7.01.25-E Rev. 2, 11.01.05-E Rev. 0, or higher revisions must be used.
DA62 Option - TAS600 Series Installation	Install if a Traffic Advisory System (OÄM 62-011) is installed in the airplane.
DA62 Option - TWX670	Install if a Stormscope System WX-500 (OÄM 62-021) is installed in the airplane.
DA 62 Option - GTX345R	Install if a GTX 345R Transponder (MAM 62-1012 and OÄM 62-1004) is installed in the airplane.
DA 62 Option - Flight Stream 510	Install if the Flight Stream 510 (OÄM 62-1018) is installed in the airplane.
DA 62 Option - GDL 69A	Install if a GL 69A (OAM 62-1001) is installed in the airplane.

Approved Magnetic Field Charts (GRS1 MV DB)		
Software Part Number	Approved Version	Remarks
006-D0159-03	V2015.00	Valid until 31 Dec 2021.
006-D2658-02	V2020.00	

Diamond Aircraft Industries
MANDATORY SERVICE BULLETIN
 Model DA 62



I.8.3 Applicable to Airplanes with Garmin G1000 NXi (Phase II) Installed

Software Part Number	Software Version	Software Name	Remarks
System			<ul style="list-style-type: none"> AFM Doc. No. 11.01.05-E together with Supplement A33 must be used.
006-B2056-12	V2056.12		
Manifest			<ul style="list-style-type: none"> AFM-TR-MÄM 62-1007 must be incorporated into the AFM Doc. No. 11.01.05-E, or the AFM Revision in which this TR has been incorporated to, must be used. Garmin G1000 NXi Pilot's Guide P/N 190-02621-00 Rev. A, or later appropriate revision, and Garmin G1000 NXi Cockpit Reference Guide Rev. A, or later appropriate revision, must be used. For software and database loading procedures, refer to Garmin Line Maintenance Manual 190-02631-00.
006-B0224-01	V2.05	GMU44/System	
006-B0398-35	V3.11	GSA8X/System	
006-B0742-12	V3.10	GCU/GMC/System	
006-B0756-17	V2.55	GWX70/System	
006-B1177-6D	V20.89	GDUXXXX/System	
006-B1607-09	V2.12	GTX3X5/System	
006-B1797-04	V2.10	GTX3X5/ADS-B	
006-B1827-10	V7.0	WAAS/System	
006-B1838-04	V2.04	GRS79/System	
006-B1838-54	V2.04	GDC72/System	
006-B2139-03	V2.11	GEA71B/System	
006-B2210-04	V5.15D	DIG GMA36B ARM/System	
006-B2253-00	V2.00	GIA64 NAV/System	
006-B2371-02	V2.02	GIA64 COM/System	
006-B2548-0H	V2.06	GIA64/System	
006-C0048-00	V2.00	GMU 44 FPGA	
006-C0119-02	V1.2	GWX70/FPGA	
006-C0153-22	V2.20	GTX3X5/FPGA	
006-C0157-21	V2.10	GTX3X5/ADS-B FPGA	
006-C0164-01	V1.10	GIA64 FPGA/FPGA	
006-C0175-06	V1.38	DIG GMA36B FPGA	
006-D0425-23	V4.03	GIA Audio/Audio Data	
006-D1307-02	V2.00	GWX70/Region List	

MANDATORY SERVICE BULLETIN

Model DA 62



Software Part Number	Software Version	Software Name	Remarks
006-D3034-B1	V5.00D	DIG GMA36B Aux Region List/Region List	
006-D3034-B3	V5.00D	DIG GMA36B Audio Data/Audio Data	
006-D3035-B1	V5.00D	DIG GMA36B Region List/Bin Region List	
006-D3035-FD	V5.18D	DIG GMA Routing Table/Routing Table	
006-D5080-00	V2.00	GRS 79 Region List	
006-D5080-50	V2.00	GDC 72 Region List	
006-D5262-01	2.01	DA 62 Cert Gain w/ Inc Avail/Servo Cert Gains/GIA64 Cert Gains	
006-D5402-02	1.10	GDL 69e APP/App Package	
006-D5761-00	V2.00	GIA64 NAV/Region List	
006-D6318-01	V2.01	GIA64/Region List	
006-D6358-00	V2.00	GEA71B/Region List	
006-D6512-00	V2.00	GIA64 COM/Region List	
006-D6813-01	2.01	GIA64 XHTML/XHTML Pages	

Approved Configurations (Software)	Remarks
NOTE: even though more options may be included in the software loader card, only those shown below are currently approved for installation.	
DA62 Option - ADF	Install if an ADF (OÄM 62-007) is installed in the airplane.
DA62 Option - Aux Fuel Tanks with Gauges	Install if auxiliary fuel tanks (OÄM 62-001) are installed in the airplane.
DA62 Option - Deicing	Install if a TKS System (OÄM 62-002 and/or OÄM 62-003) is installed in the airplane.
DA62 Option - DME	Install if a DME (OÄM 62-008) is installed in the airplane.
DA62 Option - GCU 476	Install if a Garmin Control Unit (OÄM 62-031) is installed in the airplane.

Approved Configurations (Software)	Remarks
DA62 Option - GFC700	Install if a GFC 700 Autopilot System is installed in the airplane.
DA62 Option - GFC700 with ESP and USP	Install if ESP/USP (OÄM 62-014) is installed in the airplane. NOTE: an additional unlock card is required.
DA62 Option - GFC700 Increased Availability	Install if Increased AFCS Availability (part of OÄM 62-014) is installed in the airplane NOTE: an additional unlock card is required.
DA62 Option - GSR56	Install if a Satellite Transceiver (OÄM 62-015) is installed in the airplane.
DA62 Option - GSR56 Voice/Text Only	Optional to "DA 62 Option - GSR56" above: install if OÄM 62-015 is installed in the airplane.
DA62 Option - GWX70	Install if a Weather Radar (OÄM 62-009) is installed in the airplane.
DA62 Option - 2300 kg Max Takeoff Weight	Install if MTOM of 2300 kg (MÄM 62-001) is installed in the airplane. AFM Doc. No. 7.01.25-E Rev. 2, 11.01.05-E Rev. 0, or higher revisions must be used.
DA62 Option - TAS600 Series Installation	Install if a Traffic Advisory System (OÄM 62-011) is installed in the airplane.
DA 62 Option - GTX345R	Install if a GTX 345R Transponder (OÄM 62-1004) is installed in the airplane.
DA 62 Option - Flight Stream 510	Install if the Flight Stream 510 (OÄM 62-1018) is installed in the airplane.
DA62 Option - WX500	Install if a Stormscope System WX-500 (OÄM 62-021) is installed in the airplane.
DA 62 Option - GDL 69A	Install if a GL 69A (OAM 62-1001) is installed in the airplane.

Approved Magnetic Field Charts (GRS1 MV DB)		
Software Part Number	Approved Version	Remarks
006-D0159-03	V2015.00	Valid until 31 Dec 2021.
006-D2658-02	V2020.00	



I.9 Mass (Weight) and CG

The change in mass and CG is negligible.

II PLANNING INFORMATION

II.1 Material and Availability

Quantity	Part Number	Description
1 *1	010-01373-00, or 010-01373-01	G1000 (Legacy) Software Loader Card (Diamond DA 62)
2 *1	010-00330-45	GIFD Supplemental Data Card (for G1000)
1 *2	010-01373-02	G1000 NXi Phase I Software Loader Card (Diamond DA 62)
1 *2, *3	010-00474-50	GIFD Supplemental Data Card (for G1000 NXi Phase I)
1 *3	010-01373-03	G1000 NXi Phase I Upgrade Software Loader Card (Diamond DA 62)
1 *4	010-01373-12	G1000 NXi Phase I and II Software Loader Card Image (Diamond DA 62)
1 *4	010-00474-50	GIFD Supplemental Data Card (for G1000 NXi Phase I and II)
1 *5	010-00330-53, or -50	G10XX Chart Unlock, Light AC (OÄM 62-012)
1 *5	010-00330-54	GDU1XXX SVS Unlock, 1 PFD (OÄM 62-013)
1 *5	010-00330-5B	GDU1XXX Enhanced AFCS Unlock (OÄM 62-014)

*1 for Garmin G1000

*2 for Garmin G1000 NXi Phase I

*3 for Garmin G1000 NXi Phase I Upgrade (required for GTX 345R and FS 510)

*4 for Garmin G1000 NXi Phase II (may be acquired from Garmin Resource portion of Garmin's website.

*5 for Optional Unlock Card

Diamond Aircraft Industries
MANDATORY SERVICE BULLETIN
Model DA 62



The required Garmin G1000 or 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
V1373.00	P/N 190-01896-00 Rev. A, or later appropriate revision.	P/N 190-01895-00 Rev. A, or later appropriate revision.
V1373.01	P/N 190-01896-01 Rev. A, or later appropriated revision.	P/N 190-01895-01 Rev. A, or later appropriate revision.
V1373.02	P/N 190-01905-00 Rev. B, or later appropriate revision.	P/N 190-01904-00 Rev. A, or later appropriate revision.
V1373.03	P/N 190-01905-00 Rev. B, or later appropriate revision.	P/N 190-01904-00 Rev. A, or later appropriate revision.
V2056.12	P/N 190-02622-00 Rev. A, or later appropriate revision.	P/N 190-02621-00 Rev. A, or later appropriate revision.

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

II.2 Special Tools

None.

II.3 Labour Effort

Approximately 1 hours will be required to accomplish this service bulletin.

II.4 Credit

None.

II.5 Reference Documents

None.

III REMARKS

1. All work must be done by a certified aircraft service station or a certified aircraft maintenance mechanic.
2. All work, in particular which is not especially described in this service bulletin, must be done in accordance with the referenced maintenance manual.
3. Completion of all work must be recorded in the logbook.
4. In case of doubt, contact Diamond Aircraft Industries Inc.



**EXECUTION REPORT TO
SERVICE BULLETIN
MSB 62-003 REV. 6**

AIRPLANE INFORMATION

Airplane Serial Number _____

Airplane Registration _____

Airplane Operator _____

Hours of Operation of Airplane _____

No. of Landings _____

Hours of Operation of Engine _____

Typical Operation of Airplane _____
(private, club, training, other)

Date, Name, Signature

Please e-mail the completed form to Techpubs@diamondaircraft.com.