

MANDATORY SERVICE BULLETIN NO. MSB-62-003 REV. 10

SUPERSEDES MSB 62-003 REV. 9

I TECHNICAL DETAILS

I.1 Category

Mandatory.

I.2 Airplanes Affected

Model: DA 62

S/N: 62.008 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. 9 does not preclude compliance with this MSB.

I.4 Subject

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

I.5 Reason

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

NOTE: The G1000 system uses a software part number and loader card part number. 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, MÄM 62-1012, MÄM 62-1099, MÄM 62-1113, MÄM 62-1070 and MÄM 62-1126.

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

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**I.8 Accomplishment / Instructions****I.8.1 Applicable to Garmin G1000 (Legacy)**

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

If the installed system software 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 system software 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 system software requires a new configuration of the system. Refer to the Garmin documentation for software configuration.

Software Part Number	Software Version	Function	Remarks
System			• Latest revision of applicable Garmin G1000 NXi Pilot's Guide and Cockpit Reference Guide 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	
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	

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Software Part Number	Software Version	Function	Remarks
System			• Latest revision of applicable Garmin G1000 NXi Pilot's Guide and Cockpit Reference Guide 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)	
006-D5262-01	V2.01	GFC700 Cert Gains (Increased Availability)	
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.

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

If the installed system software 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 system software 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 system software requires a new configuration of the system. Refer to the Garmin documentation for software configuration.

Software Part Number	Software Version	Function	Remarks
System			• Latest revision of applicable Garmin G1000 NXi Pilot's Guide and Cockpit Reference Guide must be used.
006-B2056-02	V1373.02		
Manifest			
006-B0081-42	V11.30	COM System	
006-B0082-12	V6.02	NAV System	

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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-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
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			• Latest revision of applicable Garmin G1000 NXi Pilot's Guide and Cockpit Reference Guide must be used.
006-B2056-03	V1373.03		
Manifest			• 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	

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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	
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.
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.

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DA62 Option - TAS600 Series Installation	Install if a Traffic Advisory System (OAM 62-011) is installed in the airplane.
DA62 Option - TWX670	Install if a Stormscope System WX-500 (OAM 62-021) is installed in the airplane.
DA 62 Option - GTX345R	Install if a GTX 345R Transponder (MAM 62-1012 and OAM 62-1004) is installed in the airplane.
DA 62 Option - Flight Stream 510	Install if the Flight Stream 510 (OAM 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	

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

Software Part Number	Software Version	Function	Remarks
System			- AFM Doc. No. 11.01.05-E together with Supplement A33 must be used. - AFM-TR-MAM 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. - Latest revision of applicable Garmin G1000 NXi Pilot's Guide and Cockpit Reference Guide must be used. - For software and database loading procedures, refer to Garmin Line Maintenance Manual 190-02631-00.
006-B2056-12	V2056.12		
Manifest			
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	GDUXXX/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	

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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
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

Software Part Number	Software Version	Function	Remarks
System			
006-B3787-01	3787.01		AFM Doc. No. 11.01.05-E together with Supplement A33 must be used.
Manifest			
006-B0224-01	2.05	GMU44/System	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.
006-B0398-35	3.11	GSA8X/System	
006-B0742-12	3.10	GCU/GMC/System	
006-B0756-17	2.55	GWX70/System SW	
006-B1177-6D	20.89	GDUXXXX/System SW	
006-B1447-0B	2.45	GRA5500/System SW	
006-B1448-06	2.20	GRA5500/Sensor SW	
006-B1607-09	2.12	GTX3X5/System SW	
006-B1797-04	2.10	GTX3X5/ADS-B SW	
006-B1827-10	7.0	WAAS/System SW	
006-B1838-04	2.04	GRS79/System SW	Latest revision of applicable Garmin G1000 NXi Pilot's Guide and Cockpit Reference Guide must be used.
006-B1838-58	2.08	GDC72/System SW	
006-B1902-05	5.2	GDL 69e SYS/System SW	
006-B2139-03	2.11	GEA71B/System SW	
006-B2210-04	5.15D	DIG GMA36B ARM/System	
006-B2253-00	2.00	GIA64 NAV/System SW	For software and database loading procedures, refer to
006-B2371-02	2.02	GIA64 COM/System SW	

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006-B2548-0H	2.06	GIA64/System SW	Garmin Line Maintenance Manual 190-02631-00. • Software P/N 006-B3787-01 is required if GDC72 P/N 011-03734-01 is installed.
006-C0048-00	2.00	GMU44/FPGA	
006-C0119-02	1.2	GWX70/FPGA	
006-C0153-22	2.20	GTX3X5/FPGA	
006-C0157-21	2.10	GTX3X5/ADS-B FPGA	
006-C0164-01	1.10	GIA64 FPGA/FPGA	
006-C0175-06	1.38	DIG GMA36B FPGA/FPGA	
006-D0425-23	4.03	GIA Audio/Audio Data	
006-D1307-02	2.00	GWX70/Region List	
006-D3034-B1	5.00D	DIG GMA36B Aux Region List/Region List	
006-D3034-B3	5.00D	DIG GMA36B Audio Data/Audio Data	
006-D3035-B1	5.00D	DIG GMA36B Region List/Bin Region List	
006-D3035-FD	5.18D	DIG GMA Routing Table/Routing Table	
006-D3609-02	2.00	GRA5500/Region List	
006-D5080-00	2.00	GRS79/Region List	
006-D5080-50	2.00	GDC72/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	2.00	GIA64 NAV/Region List	
006-D6318-01	2.01	GIA64/Region List	
006-D6358-00	2.00	GEA71B/Region List	
006-D6512-00	2.00	GIA64 COM/Region List	
006-D6813-01	2.01	GIA64 XHTML/XHTML Pages	

Software Part Number	Software Version	Function	Remarks
System			• AFM Doc. No. 11.01.05-E together with Supplement A33 must be used. • 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. • Latest revision of applicable Garmin G1000 NXi Pilot's Guide and Cockpit
006-B3787-02	3787.02		
Manifest			
006-B0224-01	2.05	GMU44/System SW	
006-B0398-35	3.11	GSA8X/System SW	
006-B0742-12	3.10	GCU/GMC/System SW	
006-B0756-17	2.55	GWX70/System SW	
006-B1177-6D	20.89	GDUXXXX/System SW	
006-B1607-09	2.12	GTX3X5/System SW	
006-B1797-04	2.10	GTX3X5/ADS-B SW	
006-B1827-10	7.0	WAAS/System SW	
006-B1838-04	2.04	GRS79/System SW	
006-B1838-58	2.08	GDC72/System SW	
006-B1902-05	5.2	GDL 69e SYS/System SW	

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006-B2139-03	2.11	GEA71B/System SW	Reference Guide must be used. - For software and database loading procedures, refer to Garmin Line Maintenance Manual 190-02631-00. - Software P/N 006-B3787-01 or later is required if GDC72 P/N 011-03734-01 is installed. - Software P/N 006-B3787-02 or later is required if GWX Processor P/N 011-03997-00 is installed.
006-B2181-03	1.20	GDL 69e XM FW/XM Firmware	
006-B2210-04	5.15D	DIG GMA36B ARM/System	
006-B2212-04	5.15D	DIG GMA36B DSP/System SW	
006-B2253-00	2.00	GIA64 NAV/System SW	
006-B2371-02	2.02	GIA64 COM/System SW	
006-B2386-0B	2.60	GWX80/System SW	
006-B2548-0H	2.06	GIA64/System SW	
006-C0048-00	2.00	GMU44/FPGA	
006-C0119-02	1.2	GWX70/FPGA	
006-C0153-22	2.20	GTX3X5/FPGA	
006-C0157-21	2.10	GTX3X5/ADS-B FPGA	
006-C0164-01	1.10	GIA64 FPGA/FPGA	
006-C0175-06	1.38	DIG GMA36B FPGA/FPGA	
006-C0179-01	1.00	GWX80/DSP FPGA	
006-C0180-01	1.00	GWX80/Control FPGA	
006-C0181-01	1.00	GWX80/RF FPGA	
006-D0425-23	4.03	GIA Audio/Audio Data	
006-D1307-02	2.00	GWX70/Region List	
006-D3034-B1	5.00D	DIG GMA36B Aux Region List/Region List	
006-D3034-B3	5.00D	DIG GMA36B Audio Data/Audio Data	
006-D3035-B1	5.00D	DIG GMA36B Region List/Bin Region List	
006-D3035-FD	5.18D	DIG GMA Routing Table/Routing Table	
006-D5080-00	2.00	GRS79/Region List	
006-D5080-50	2.00	GDC72/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	2.00	GIA64 NAV/Region List	
006-D6232-03	2.10	GWX80/Region List	
006-D6318-01	2.01	GIA64/Region List	
006-D6358-00	2.00	GEA71B/Region List	
006-D6512-00	2.00	GIA64 COM/Region List	

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 (OAM 62-007) is installed in the airplane.

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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.
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 - GWX75	Install if a Weather Radar (OÄM 62-1016) is installed in the airplane. AFM-TR-OÄM 62-1016 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.
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	

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I.8.4 Applicable to Airplanes with Garmin G1000 NXi (Phase III) Installed

Software Part Number	Software Version	Function	Remarks
System			• AFM Doc. No. 11.01.05-E together with Supplement A33 must be used.
006-B3787-05	3787.05		
Manifest			• 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.
006-B0224-01	2.05	GMU44/System SW	
006-B0398-35	3.11	GSA8X/System SW	• Latest revision of applicable Garmin G1000 NXi Pilot's Guide and Cockpit Reference Guide must be used.
006-B0742-12	3.10	GCU/GMC/System SW	
006-B0756-17	2.55	GWX70/System SW	• For software and database loading procedures, refer to Garmin Line Maintenance Manual 190-02631-00.
006-B1177-6D	20.89	GDUXXXX/System SW	
006-B1607-0K	2.60	GTX3X5/System SW	• Software P/N 006-B3787-01 or later is required if GDC72 P/N 011-03734-01 is installed.
006-B1797-1D	3.32	GTX3X5/ADS-B SW	
006-B1827-10	7.0	WAAS/System SW	• Software P/N 006-B3787-02 or later is required if GWX Processor P/N 011-03997-00 is installed.
006-B1838-04	2.04	GRS79/System SW	
006-B1838-58	2.08	GDC72/System SW	• Software P/N 006-B3787-05 or later is required if any of the following are installed: – GMU 44B P/N 011-04201-00 – GDL 69A SXM P/N 011-03177-10 – GTX 345R P/N 011-03303-01
006-B1902-0B	5.51	GDL 69e SYS/System SW	
006-B2139-03	2.11	GEA71B/System SW	
006-B2181-30	3.00	GDL 69e XM FW/XM Firmware	
006-B2210-04	5.15D	DIG GMA36B ARM/System SW	
006-B2212-04	5.15D	DIG GMA36B DSP/System SW	
006-B2253-00	2.00	GIA64 NAV/System SW	
006-B2371-02	2.02	GIA64 COM/System SW	
006-B2386-0B	2.60	GWX80/System SW	
006-B2548-0H	2.06	GIA64/System SW	
006-B2679-01	2.01	GMU44B/System SW	
006-C0048-00	2.00	GMU44/FPGA	
006-C0119-02	1.2	GWX70/FPGA	
006-C0153-22	2.20	GTX3X5/FPGA	
006-C0157-21	2.10	GTX3X5/ADS-B FPGA	
006-C0164-01	1.10	GIA64 FPGA/FPGA	
006-C0175-06	1.38	DIG GMA36B FPGA/FPGA	
006-C0179-01	1.000	GWX80/DSP FPGA	
006-C0180-01	1.000	GWX80/Control FPGA	
006-C0181-01	1.000	GWX80/RF FPGA	
006-D0425-23	4.03	GIA Audio/Audio Data	
006-D1307-02	2.00	GWX70/Region List	
006-D3034-B1	5.00D	DIG GMA36B AUX Region List/Region List	
006-D3034-B3	5.00D	DIG GMA36B Audio Data/Audio Data	
006-D3035-B1	5.00D	DIG GMA36B Region List/Bin Region List	
006-D3035-FD	5.18D	DIG GMA Routing Table/Routing Table	

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006-D5080-00	2.00	GRS79/Region List
006-D5080-50	2.00	GDC72/Region List
006-D5262-01	2.01	Diamond 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	2.00	GIA 64 NAV/Region List
006-D6232-03	2.10	GWX80/Region List
006-D6318-01	2.01	GIA64/Region List
006-D6358-00	2.00	GEA71B/Region List
006-D6512-00	2.00	GIA64 COM/Region List
006-D6549-01	2.00	GWX80/Key
006-D6550-01	2.05	GWX80/Waveform Database
006-D6813-01	2.01	GIA 64 XHTML/XHTML Pages
006-D6994-00	2.00	GMU44B/Region List
006-D7109-00	2.00	GTX3X5D Region List/Region List

Software Part Number	Software Version	Function	Remarks
System			AFM Doc. No. 11.01.05-E together with Supplement A33 must be used.
006-B3787-06	3787.06		
Manifest			
006-B0224-01	2.05	GMU44/System SW	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.
006-B0398-35	3.11	GSA8X/System SW	
006-B0756-17	2.55	GWX70/System SW	
006-B1177-6D	20.89	GDUXXXX/System SW	Latest revision of applicable Garmin G1000 NXi Pilot's Guide and Cockpit Reference Guide must be used.
006-B1607-0K	2.60	GTX3X5/System SW	
006-B1797-1D	3.32	GTX3X5/ADS-B SW	
006-B1827-10	7.0	WAAS/System SW	For software and database loading procedures, refer to Garmin Line Maintenance Manual 190-02631-00.
006-B1838-04	2.04	GRS79/System SW	
006-B1838-58	2.08	GDC72/System SW	
006-B1902-0B	5.51	GDL 69e SYS/System SW	Software P/N 006-B3787-01 or later is required if GDC72 P/N 011-03734-01 is installed.
006-B2139-03	2.11	GEA71B/System SW	
006-B2181-30	3.00	GDL 69e XM FW/XM Firmware	
006-B2210-04	5.15D	DIG GMA36B ARM/System SW	
006-B2212-04	5.15D	DIG GMA36B DSP/System SW	
006-B2253-00	2.00	GIA64 NAV/System SW	
006-B2371-02	2.02	GIA64 COM/System SW	
006-B2386-0B	2.60	GWX80/System SW	
006-B2548-0H	2.06	GIA64/System SW	
006-B2679-01	2.01	GMU44B/System SW	
006-C0048-00	2.00	GMU44/FPGA	
006-C0119-02	1.2	GWX70/FPGA	
006-C0153-22	2.20	GTX3X5/FPGA	
006-C0157-21	2.10	GTX3X5/ADS-B FPGA	

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006-C0164-01	1.10	GIA64 FPGA/FPGA	• Software P/N 006-B3787-02 or later is required if GWX Processor P/N 011-03997-00 is installed. • Software P/N 006-B3787-05 or later is required if any of the following are installed: – GMU 44B P/N 011-04201-00 – GDL 69A SXM P/N 011-03177-10 – GTX 345R P/N 011-03303-01 • Software P/N 006-B3787-06 or later is required if GTX 345DR P/N 011-04334-00 is installed.
006-C0175-06	1.38	DIG GMA36B FPGA/FPGA	
006-C0179-01	1.000	GWX80/DSP FPGA	
006-C0180-01	1.000	GWX80/Control FPGA	
006-C0181-01	1.000	GWX80/RF FPGA	
006-C0184-22	2.20	GTX3X5/FPGA	
006-D0425-23	4.03	GIA Audio/Audio Data	
006-D1307-02	2.00	GWX70/Region List	
006-D3034-B1	5.00D	DIG GMA36B AUX Region List/Region List	
006-D3034-B3	5.00D	DIG GMA36B Audio Data/Audio Data	
006-D5080-00	2.00	GRS79/Region List	
006-D5080-50	2.00	GDC72/Region List	
006-D5262-01	2.01	Diamond DA62 Cert Gain w/ Inc Avail/Servo Cert Gains/GIA64 Cert Gains	
006-D5402-02	1.10	GDL 69e APP/App Package	
006-D5761-00	2.00	GIA64 NAV/Region List	
006-D6232-03	2.10	GWX80/Region List	
006-D6318-01	2.01	GIA64/Region List	
006-D6358-00	2.00	GEA71B/Region List	
006-D6512-00	2.00	GIA64 COM/Region List	
006-D6994-00	2.00	GMU44B/Region List	
006-D7402-00	2.00	GTX3X5D/Region List	

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.

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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 - GWX75	Install if a Weather Radar (OÄM 62-1016) is installed in the airplane. AFM-TR-OÄM 62-1016 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.
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 - GTX345DR	Install if a GTX 345DR Transponder (OÄM 62-1033) 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 (OÄM 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.

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**II PLANNING INFORMATION****II.1 Material & 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 *5	010-00330-J9	Enablement Card, Ground Clutter Suppression & Turbulence Detection (OÄM 62-1016)
1 *4	010-02850-00	G1000 NXi Phase I and II Software Loader Card Image (Diamond DA 62)
1 *4	010-02850-01	G1000 NXi Phase I and II Software Loader Card Image (Diamond DA 62)
1 *6	010-02850-05	G1000 NXi Phase I, II and III Software Loader Card Image (Diamond DA 62)
1 *7	010-02850-06	G1000 NXi Phase I, II and III Software Loader Card Image (Diamond DA 62)

*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

*6 for Garmin G1000 NXi Phase III (may be acquired from Garmin Resource portion of Garmin's website)

*7 for Garmin G1000 NXi Phase III (required for GTX 345DR) (may be acquired from Garmin Resource portion of Garmin's website)

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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 latest appropriate revision.	P/N 190-01895-00 Rev. A, or latest appropriate revision.
V1373.01	P/N 190-01896-01 Rev. A, or latest appropriate revision.	P/N 190-01895-01 Rev. A, or latest appropriate revision.
V1373.02	P/N 190-01905-00 Rev. B, or latest appropriate revision.	P/N 190-01904-00 Rev. A, or latest appropriate revision.
V1373.03	P/N 190-01905-00 Rev. B, or latest appropriate revision.	P/N 190-01904-00 Rev. A, or latest appropriate revision.
V2056.12	P/N 190-02622-00 Rev. A, or latest appropriate revision.	P/N 190-02621-00 Rev. A, or latest appropriate revision.
V3787.01	P/N 190-02622-00 Rev. A, or latest appropriate revision.	P/N 190-02621-00 Rev. A, or latest appropriate revision.
V3787.02	P/N 190-02622-00 Rev. A, or latest appropriate revision.	P/N 190-02621-00 Rev. A, or latest appropriate revision.
V3787.05	P/N 190-03126-00 latest revision.	P/N 190-03125-00 latest revision.
V3787.06	P/N 190-03126-01 latest revision.	P/N 190-03125-01 latest revision.

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

II.2 Special Tools

None.

II.3 Labor Effort

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

This estimate is for direct labor performed by a technician, and it does not include setup, planning, familiarization, cure time, part fabrication, or tool acquisition.

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.

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4. In case of doubt, contact Diamond Aircraft Industries Inc.



**EXECUTION REPORT TO
SERVICE BULLETIN
MSB-62-003 Rev. 10**

AIRPLANE DATA

Airplane serial number	
Airplane registration	
Airplane operator	
Hours of operation of airplane (TSN)	
Typical operation of airplane	private, club, training, other:

MAINTENANCE DATA

Date of maintenance		
Maintenance carried out by		
During scheduled inspection?	Yes	No

Name	Signature	Date
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Please submit the Execution Report through the Diamond Partner Portal at
<https://partners.diamondaircraft.com/>