Diamond AIRCRAFT

Diamond Aircraft Industries G.m.b.H
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DAI SI 40-043

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SERVICE INFORMATION NO. SI 40-043

NOTE: SI's are used **only:** 1) To distribute information from DAI to our customers. 2) To distribute applicable information / documents from our suppliers to our customers with additional information. Typically there is no revision service for Si's. Each new information or change of that will be send along with a new SI.

I. TECHNICAL DETAILS

1.1 Airplanes affected:

All DA 40 & DA 40 F aircraft equipped with the G1000 integrated avionics system.

1.4 Information:

Garmin has issued a Service Bulletin concerning the Garmin STC # SA01254WI.

II. OTHERS

The Software Service Bulletin No.: 0622 of Garmin is attached to this SI.

In case of doubt contact Garmin.

GARMIN.

SOFTWARE SERVICE BULLETIN
NO.: 0622

TO: Diamond Aircraft Company

DATE: 21 November 2006

SUBJECT: G1000 System Software Version Update for Diamond DA40 & DA40 F Aircraft

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PURPOSE

This G1000 Software Service Bulletin announces the availability of G1000 System Software Version 0369.12, for Diamond DA40 & DA40 F aircraft.

DESCRIPTION

This Software Service Bulletin provides information required to update G1000-equipped Diamond DA40 & DA40 F aircraft with new system software.

G1000 System Software Version 0369.12 fixes an audio nuisance associated with Garmin Software Service Bulletin 0619.

APPROVAL

G1000 System Software Version 0369.12 is FAA-approved for installation in accordance with STC #SA01254WI. The required configuration is documented in Master Drawing List, 005-C0004-00 Rev. W, Section 2.5.

AFMS AND PILOT'S GUIDE CONSIDERATIONS

As a result of changes related to the system software version update, the documents listed in the following table are required to be issued to the aircraft operator/owner before the aircraft is returned to service.

Document Title	Part Number	Revision
Airplane Flight Manual Supplement: G1000 Integrated Avionics System In a Diamond Model DA40 & DA40 F	190-00303-02	Revision 11 or later
G1000 Cockpit Reference Guide for Diamond DA40	190-00324-06	Revision A or later

PRODUCT AFFECTED

All G1000-equipped Diamond DA40 & DA40 F aircraft equipped with a Garmin G1000 system with system software version prior to 0369.12.

COMPLIANCE

This service bulletin is optional.

REFERENCES

The required documents are available from:
- www.garmin.com, within the Dealer section of the web site
- Diamond Aircraft Industries-supplied CD-ROM

The following document is required to accomplish the update:

Document Title	Part Number	Revision
G1000 Field Update Instructions, Diamond DA40 & DA40F, Configuration 4	190-00544-01	Revision C

NOTE: Boot block loader card may be required, refer to Section 2.4.2.

Maintenance Documentation
The following document is required to maintain the airworthiness of G1000-equipped DA 40 aircraft with System Software 0369.12:

Document Title	Part Number	Revision
G1000 System Maintenance Manual – Diamond DA40 & DA 40 F (Contains Instructions for Continued Airworthiness)	190-00545-00	Revision E or later revision

MANPOWER

This Software Service Bulletin requires a maximum of one (1.0) hour labor including testing and return-to-service.

WARRANTY INFORMATION

This modification is not warranty reimbursable.

MODIFICATION INSTRUCTIONS

Perform the software upgrade referencing the entire G1000 Field Update Instructions, Diamond DA40 & DA40 F, Configuration 4 document, Garmin P/N 190-00544-01 Revision C.

> ### NOTE
> Before starting the software upgrade procedure referenced above, remove the obstacle/terrain data SD cards from the bottom slot of both PFD and MFD units. Do not reinsert the obstacle/terrain data SD cards into the bottom slot of both the PFD and MFD until all software and configuration files have been loaded and all displays have been powered up in normal mode at least one time subsequent to loading software. Failure to do so may result in obstacles not displaying correctly.

TESTING PROCEDURE

Perform the return to service and testing procedure according to the G1000 Field Update Instructions, Diamond DA40 & DA40 F, Configuration 4 document, Garmin P/N 190-00544-01 Revision C.

MATERIAL INFORMATION

G1000/DA40 Software Loader Card

To accomplish this update, the technician must have the new G1000/DA40 Loader Card, Garmin P/N 010-00369-12. A Diamond supplied CD-ROM containing G1000 System Software version 0369.12 may also be used to load software files to an SD Card, as an equivalent means of obtaining the required Loader Card.

QTY	Part Number	Description
1	010-00369-12	G1000 Software Loader Card (Diamond DA40) ***NOTE*** *This datacard carries a charge, which will be refunded upon the return of the datacard to Garmin.*