

SERVICE INFORMATION NO. SI 40-062/1

Supersedes SI 40-062

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 aircraft equipped with GARMIN G1000 System.
All DA 40F aircraft equipped with GARMIN G1000 System.

1.2 Subject:

GARMIN: Service Bulletin No. 0736B
ATA-Code: 34-00

1.3 Reason:

GARMIN has issued a Service Bulletin which contains information about the G1000 System Software update in case of an invalid displayed System ID number.

1.4 Information:

For detailed technical information see GARMIN Service Bulletin No. 0736B.

II. OTHERS

The GARMIN Service Bulletin No. 0736B is attached to this SI.

In case of doubt contact GARMIN.



SERVICE BULLETIN

NO.: 0736 Revision B

TO: All Garmin Aviation Service Centers

DATE: 22 October 2007

SUBJECT: G1000 System ID Tool

REVISION B: Added GDU software level

PURPOSE

Garmin has identified an error associated with G1000 system software upgrades that sometimes results in an invalid System ID. An invalid System ID can be identified as either being "00000000" or "20000000". The G1000 System ID can be verified on the AUX-System Status Page (Figure 1).

NOTE

The G1000 System ID is only displayed on GDU's with GDU software version 6.00 or later.

GS	OKI	DTK 176°	TRK 266°	ESA	FT	AUX - SYSTEM STATUS	
LRU INFO							
		STATUS	SERIAL NUMBER	VERSION			
COH1		✓		7.00			
COH2		✓		7.00			
CCU		✓	27000006	2.02d			
ODC1		✓	47801548	1.05			
ODC2		✓	47801373	1.05			
ODL63		✓	47750372	3.02.00			
GEA1		✓	46701911	2.07			
GEA2		✓	46701913	2.07			
GLA1		✓	70137391	1.02			
GTA2		✓	68500319	1.02			
GHA1		✓	48400000	3.01			
GHA2		✓	48400001	3.01			
GHC		✓		2.02d			
GHI1		✓	47500593	2.01			
GHI2		✓	47500607	2.01			
GPS1		✓	480062149	2.3			
AIRFRAME							
AIRFRAME							
SYSTEM SOFTWARE VERSION 0435.07							
CRG PART NUMBER GPN 190-00600-00							
SYSTEM ID 20000000							
CHECKLIST NOT AVAILABLE							
DATABASE							
BASEMAP REGION WORLDWIDE							
BASEMAP VERSION 1.01							
SAFETAXI REGION US							
SAFETAXI VERSION 2.02							
SAFETAXI CYCLE 06S2							
SAFETAXI REVISION 13-APR-06							
SAFETAXI TEST RESU 08-JUN-06							
AVIATION REGION WORLDWIDE							
AVIATION CYCLE 0604							
AVIATION EFFECTIVE 13-APR-06							
AVIATION EXPIRES 11-MAY-06							
MAP HPT AUX NRST 000000							
LRU	ARFRH	DBASE		ANN TEST			

System ID

Figure 1. Example AUX - System Status Page

DESCRIPTION

The G1000 System ID Tool changes the G1000 System ID from "00000000" or "20000000" to a valid System ID.

APPROVAL

N/A

AFMS AND PILOT'S GUIDE CONSIDERATIONS

There are no AFMS or Pilot's Guide changes required.

PRODUCT AFFECTED

All GDU 1XXXs with a GDU software version of 7.00 or greater **and** a System ID of "00000000" or "20000000". The G1000 System ID can be verified on the MFD AUX-System Status Page (Figure 1).

COMPLIANCE

Optional

MANPOWER

N/A

WARRANTY INFORMATION

This modification is not warranty reimbursable.

MODIFICATION INSTRUCTIONS

Use the G1000 System ID Tool (P/N 006-B0380-ZA) to change the G1000 System ID from "00000000" or "20000000" to a valid System ID by performing the following procedure:

1. Download the System ID Tool (P/N 006-B0380-ZA) from the Dealer's Section of www.garmin.com and save it on your computer.
2. Insert a blank SD card into your PC SD card reader. If the card needs to be formatted, format it in the FAT32 format.
3. Open the System ID Tool program on your PC and follow the on-screen instructions to make a System ID Tool SD loader card to use in the aircraft.
4. When the program is complete, remove the SD card from your PC. It is now ready to use in the aircraft.
5. Before inserting the System ID Tool SD card in the top slot of PFD1, remove all Supplemental Database cards from all displays.

NOTE

Terrain/Obstacle cards, Jeppesen Aviation Database and other optional features (i.e. TAWS unlock card) will need to be reloaded or replaced after the System ID number has been changed. The old Supplemental Database and Feature Unlock cards will remain locked to the old System ID number and will no longer work. Terrain, Obstacle, Safetaxi and FliteCharts databases may be reloaded from Garmin's website (please contact Garmin Technical Support concerning availability and cost if any) or by the Aircraft Manufacturer if the owner subscribes to an available update service. Jeppesen NavData and Chartview will need to be downloaded from Jeppesen's website (the service center or the aircraft owner will need to call Jeppesen Product Support and have the new System ID added to the owner's account for the new download). Optional Unlock cards for features such as TAWS, Chartview, etc. will need to be obtained from the Aircraft Manufacturer as Garmin does not have registration records for those features.

NOTE

010-00330-41 cards contain the Terrain and Obstacle databases, the 010-00330-42 cards contain the Terrain database, Obstacle database, SafeTaxi, and FliteCharts.

6. With the G1000 system powered off, insert the System ID Tool SD card (created above) into the top card slot of PFD1.
7. Power on PFD1 only and follow the on-screen prompts.
8. When complete, power off PFD1 and remove the SD card.
9. Power the G1000 system on (do not insert the Supplemental Database cards at this time) and verify the System ID number has changed on the MFD AUX – SYSTEM STATUS page.
10. Power down the G1000 system.
11. You may need to re-unlock optional features in configuration mode using new Unlock cards, follow the Aircraft Manufacturer's instructions or the applicable airframe specific G1000 maintenance manual.

NOTE

You may need to reload the Jeppesen NAV database in each display, and ChartView on the 010-00330-42 MFD Supplemental Database card.

12. Reload or replace the Supplemental Database cards, then insert in the displays.
13. Power on the G1000 system and allow the new databases to be verified (may take 5-10 minutes).

TESTING PROCEDURE

- Verify the System ID is not "00000000" or "20000000" on the MFD AUX-System Status page.
- Verify optional features (TAWS, ChartView, etc.) are active.
- Verify no database errors exist in the ALERT window.

MATERIAL INFORMATION

QTY	Part Number	Description
1	006-B0380-ZA*	G1000 System ID Tool

* Found on the dealers only section of www.garmin.com.