

SERVICE INFORMATION NO. SI 42-011

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:

DA 42 - Type

1.2 Subject:

Garmin G1000 – Covers on GIA 63 units
ATA-Code: 34-00

1.3 Reason:

Garmin has issued a new Service Bulletin regarding the G1000 which is installed in the DA42.

1.4 Information:

For detailed technical information see Garmin Service Bulletin which is applicable without any further additions or restrictions.

II. OTHERS

The Mandatory Service Bulletin No.: 0522 of Garmin is attached to this SI.

In case of doubt contact Diamond Aircraft Industries.



**** MANDATORY ****
SERVICE BULLETIN

NO.: 0522, Rev B

TO: All Garmin Aviation Service Centers

DATE: 29 July 2005

SUBJECT: GIA 63 Outside Covers

PURPOSE

On certain GIA 63 units, finger stock mounted inside the left and right covers (Main and Nav) could become detached.

DESCRIPTION

This modification consists of removing and replacing the left and right covers on the GIA 63. GIA 63, P/N 011-00781-00 units with serial numbers 46905865 and below and GIA 63, P/N 011-00781-01 units with serial numbers 48101165 and below are affected.

Note: There are two GIA 63 units in each G1000 system.

APPROVAL

P/N 011-00781-00	P/N 011-00781-01
TSO-C129a Class A1	TSO-C129a Class A1, ETSO-C129a (B-RNAV Eligible)
TSO-C34e	TSO-C34e, ETSO-2C34f
TSO-C36e	TSO-C36e, ETSO-2C36f
TSO-C38d	TSO-C38d, ETSO-C38e
TSO-C40c	TSO-C40c, ETSO-2C40c
TSO-C37d	TSO-C37d, ETSO-2C37e

The procedures contained in this service bulletin are considered a minor change and do not alter the previous approval basis for the GIA 63.

AFMS AND PILOT'S GUIDE CONSIDERATIONS

There are no recommended AFMS changes.

PRODUCT AFFECTED

GIA 63, P/N 011-00781-00 units with serial numbers 46905865 and below and GIA 63, P/N 011-00781-01 units with serial numbers 48101165 and below are affected. GIA 63 units with higher serial numbers are not affected.

Note: In normal G1000 operating mode, many GIA 63 serial numbers are electronically displayed on the MFD (Multi Function Display) AUX System Status page. This eliminates the need for physical unit inspection to determine service bulletin applicability.

COMPLIANCE

Mandatory: This service bulletin must be incorporated in all affected GIA 63 units. For units in the field, incorporate this service bulletin at the next regularly scheduled aircraft maintenance cycle.

REFERENCES

None

MANPOWER

One hour of labor including testing

WARRANTY INFORMATION

This modification is warranty reimbursable for affected units only that are within the specified serial number range. Inspection time is not covered under warranty reimbursement. Warranty reimbursement will cover manpower as specified above. When completing the Garmin warranty claim, be sure to include the GIA 63 serial number and clearly indicate that this Service Bulletin has been complied with to ensure proper reimbursement.

IDENTIFICATION PROCEDURE

Covers that **do not** have small circular indentations (indicating extruded riveting) along the outer edge on the Main and Nav covers, are affected. The appearance of extruded rivets on the covers indicate that this Service Bulletin has been complied with.

MODIFICATION INSTRUCTIONS

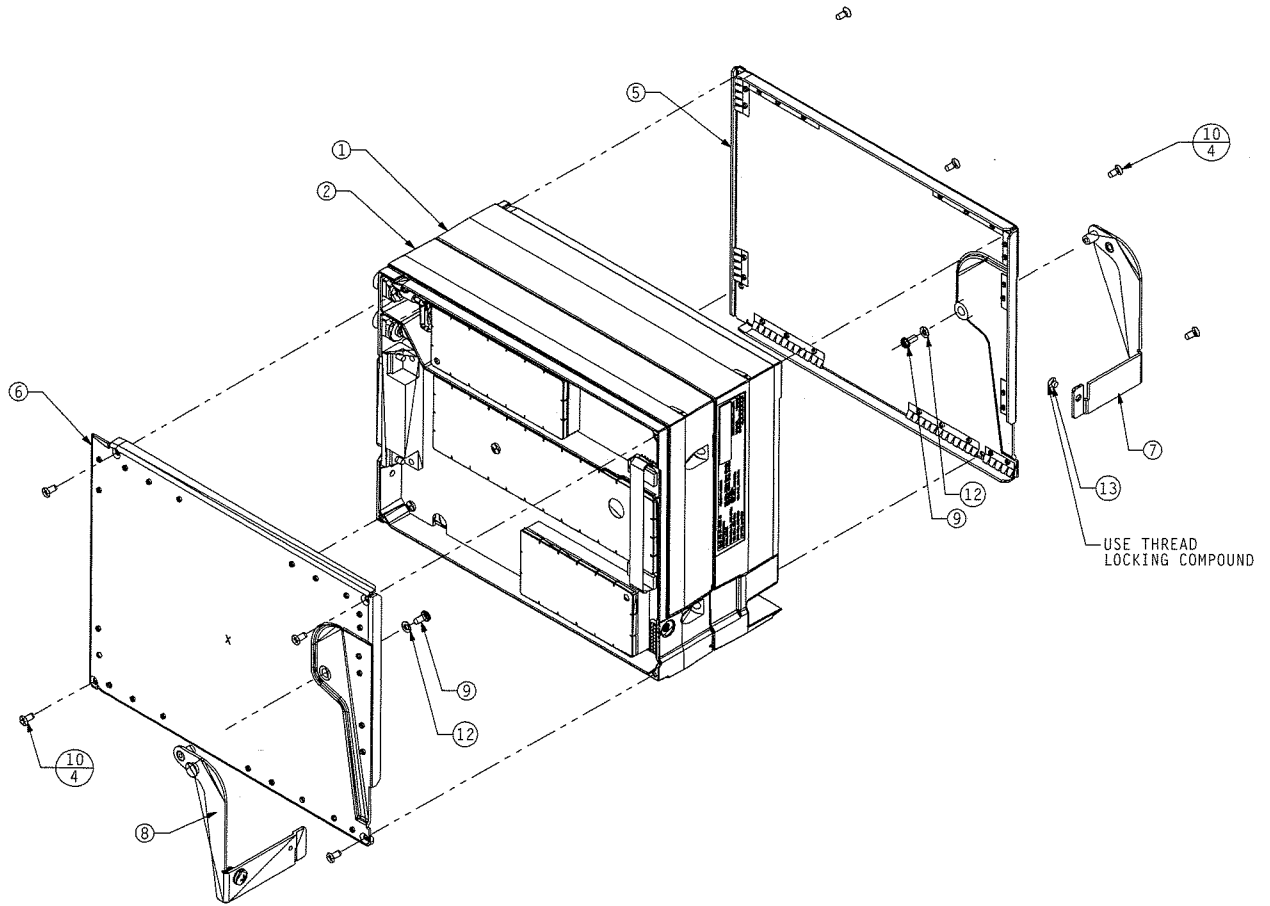


Figure 1, GIA 63, Cover Layout

*****Warning*****

This unit contains static sensitive devices. Service personnel must ensure that proper precautions are taken to prevent damage to this equipment from Electro Static Discharge (ESD). Disassembly and repair should only be accomplished in an approved ESD workstation by properly trained and grounded personnel.

To remove the left cover:

1. Remove screw (13) from handle (7, 8).
2. Remove four screws (10) from cover (6).
3. Remove screw (9) and washer (12) from handle (8).
4. Remove handle (8) from cover (6).
5. Ensure all finger stock is removed with the old cover.

To replace the left cover:

1. Attach handle (8) to new cover (6) with screw (9) and washer (12). (Add thread lock compound on items 9 and 13)
2. Attach new cover (6) to chassis (2) with four screws (10).

To remove the right cover:

1. Remove four screws (10) from cover (5).
2. Remove screw (9) and washer (12) from handle (7).
3. Remove handle (7) from cover (5).
4. Ensure all finger stock is removed with old cover.

To replace the right cover:

1. Attach handle (7) to new cover (5) with screw (9) and washer (12). (Add thread lock compound on items 9 and 13)
2. Attach new cover (5) to chassis (1) with four screws (10).
3. Attach handles (7) and (8) with screw (13).

Discard the old covers.

TESTING PROCEDURE

A functional test of the aircraft installation is adequate to return the GIA 63 unit(s) to service.

MATERIAL INFORMATION

QTY	Part Number	Description
1	011-01136-01	Cover, GIA Main, Riveted
1	011-01137-01	Cover, GIA Nav, Riveted
AR*	Commercially Available	Thread Locking Compound, Medium Strength

* As Required

ADDITIONAL INFORMATION

None.