

SERVICE INFORMATION NO. SI 40-028

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 type aircraft with GDL 69/69A 400/500 series units installed

1.2 Subject:

GDL 69/69A Software upgrade

1.3 Reason:

Garmin has issued Service Bulletin No. 544 for upgrading the GDL 69/69A Software.

1.4 Information:

For detailed technical information see Garmin Service Bulletin No. 544 which is applicable without any further additions or restrictions.

II. OTHERS

The Garmin Service Bulletin No. 544 is attached to this SI.
In case of doubt contact Diamond Aircraft or Garmin.



**SOFTWARE SERVICE BULLETIN
NO.: 0544**

TO: All Garmin Aviation Service Centers
DATE: January 6, 2006
SUBJECT: GDL 69/69A software upgrade to version 3.02 for 400/500 series units only (excluding GNS 480)

PURPOSE

This Software Service Bulletin is for upgrading the GDL 69/69A software to version 3.02.

DESCRIPTION

This service bulletin is for upgrading the GDL 69/69A software to version 3.02. Version 3.02 contains enhancements including:

1. Updating the GDL 69/69A operating software to resolve issues of XM Radio subscription deactivation experienced by some customers.

The GDL 69/69A application and data loader software reside on internal memory. The memory contents are updated via a Loader Card download over the host unit RS-232 interface. The update procedure defines the update process and verification procedure.

APPROVAL

The engineering data contained in the GDL 69/69A software version 3.02 are FAA approved. The software change is a minor software change.

PRODUCTS AFFECTED

All GDL 69/69A units prior to software version 3.02.

COMPLIANCE

Recommended

REFERENCES

190-00355-02 GDL 69/69A Installation Manual.

MANPOWER

One-half hour (0.5) labor.

WARRANTY INFORMATION

This is a customer option and is not warranty reimbursable.

MATERIAL INFORMATION

<u>Item</u>	<u>Garmin Part No.</u>
Garmin 400 Series Loader Card	010-00513-01*
Garmin 500 Series Loader Card	010-00514-01*

**Note: This loader card carries a charge of \$50.00, which will be refunded upon return of the card to Garmin.*

UPDATE INSTRUCTIONS

The Loader Card can be used for multiple updates.

To have Garmin perform the update, Garmin Distributors should make a note of the unit's serial number and call Garmin to receive a RMA number. This is not a warranty service and the update cost will be provided when the RMA number is requested.

Update Procedure

The host unit is defined as a Garmin 400 or 500 Series.

1. Power the host unit into the Configuration Mode. Press and hold the ENT key while turning on the power. Release the ENT key after the boot screen appears.
2. Go to the RS232 MAIN CONFIG page and change the GDL 69 port to OFF.
3. Power off the host unit.
4. Cycle power to the GDL 69/69A. This enables the auto-detect communication port for a high speed data transfer.
5. Turn the host unit on in the normal mode. At the Main page insert the Loader Card in the right slot only. **The left slot will not work.**
6. Select yes for "Confirm upload of software" by pressing ENT. The screen will display "Validating Card" then "Executing Card." The upload will take approximately 3.5 minutes. The host unit will reset after upload.
7. Turn off the host unit and remove the update card.
8. Power the host unit in the Configuration Mode and set the port back to GDL 69.
9. Turn off the host unit.
10. Cycle power to the GDL 69/69A. Resets auto-detect port to correct speed.
11. Turn on power to the host unit.

Verification Procedure

1. Turn on host unit.
2. Go to the AUX page and select Data Link Status.
3. Verify the GDL SW is 3.02.

ADDITIONAL INFORMATION

None