

SERVICE INFORMATION NO. SI 40-018

SERVICE INFORMATION NO. SI D4-026

NOTE: SI's are used **only** as a cover sheet to distribute information / documents of other manufacturers to our customers with additional information when applied to the DAI product. 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 40 all Serial Numbers with GNS 430 or GNS 530 and Software 4.03 or 5.03 installed
DA 40 D all Serial Numbers with GNS 430 or GNS 530 and Software 4.03 or 5.03 installed

1.2 Subject:

Navigational Information provided by Garmin GNS 430 & GNS 530

ATA-Code: 23-00 & 34-00

1.3 Reason:

Garmin has issued a new "Navigation Alert" regarding the GNS 430 and GNS 530 which can be installed in the DA 40 and the DA 40 D.

1.4 Information:

For detailed information see Garmin's "Navigation Alert" which is applicable without any further additions or restrictions.

Please notice the Immediate Action Required in the Garmin "Navigation Alert".

II. OTHERS

The "Navigation Alert" of Garmin is attached to this SI.



**** Navigation ALERT ****

AFFECTED PRODUCTS:

- **All units with Main Software Version 5.03* as listed below:**
 - **GNS 530, GNS 530 TAWS, GNS 530A, GNS 530A TAWS, GPS 500, GPS 500 TAWS**
- **All units with Main Software Version 4.03* as listed below:**
 - **GNS 430, GNS430A, GNC 420, GNC 420A, GPS 400**
- **This Alert rescinds Service Bulletin # 0507 and # 0508**

(*These software versions have been shipping from Garmin in new units and repaired units between February 11, 2005 to March 2, 2005)

IMMEDIATE ACTION REQUIRED:

- **Do NOT fly DME ARC procedures using GPS in the affected products.**
- **Notify all customers and pilots who may have an affected product.**
- **Hold all affected inventory until corrective action can be taken.**
- **Do not approve installations with affected product until corrective action can be taken.**

DESCRIPTION OF ISSUE:

Incorrect navigational information could be provided while flying a DME ARC procedure using GPS guidance. In addition, the DME ARC as seen on the moving map display may also provide an inaccurate depiction.

CORRECTIVE ACTION:

GNS 530, GNS 530A, GPS 500 (non-TAWS) Products

Revert to Main Software Version 5.02 or version 4.00 or load version 5.04 (expected availability by 3/31/05). Use of 5.02 or 4.00 will eliminate GDL 69/69A functionality.

GNS 530 TAWS, GNS 530A TAWS, GPS 500 TAWS Products

Revert to Main Software Version 5.02 or load version 5.04 (expected availability by 3/31/05). Use of 5.02 will eliminate GDL 69/69A functionality.

GNS 430, GNS 430A, GNC 420, GNC 420A, GPS 400 Products

Revert to Main Software Version 4.02 or load Main Software Version 4.04 (expected availability by 3/31/05). Use of 4.02 will eliminate GDL 69/69A functionality.

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Additional instructions will be available via service bulletin as new/corrected software (version 4.04 and 5.04) is available.

Please contact your Garmin representative for additional assistance.