

## SERVICE INFORMATION NO. SI 42-105

**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 sent along with a new SI.

### I. TECHNICAL DETAILS

#### 1.1 Airplanes affected:

All DA 42 and DA 42 M aircraft

#### 1.2 Subject:

GARMIN Service Advisory No. 0914 Revision A  
ATA-Code: 34-00

#### 1.3 Reason:

GARMIN has identified an issue, whereby a temporary loss of heading/attitude information in GARMIN Integrated Flight Deck and G600 Systems following extended power-on stall maneuvers may occur.

#### 1.4 Information:

For detailed technical information refer to the GARMIN Service Advisory No. 0914 Revision A which is applicable without any further additions or restrictions.

### II. OTHERS

The GARMIN Service Advisory No. 0914 Revision A is attached to this SI.

In case of doubt contact Diamond Aircraft Industries GmbH.



## SERVICE ADVISORY

**NO.: 0914 Revision A**

**TO:** Owner/Operators of Garmin Integrated Flight Deck and G600 Systems  
**DATE:** 01 May 2009  
**SUBJECT:** Possible temporary loss of heading/attitude information in Garmin Integrated Flight Deck and G600 Systems following extended power-on stall maneuvers.

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### **AFFECTED PRODUCTS**

All Garmin G600, G900X, G950, G1000, Cirrus Perspective®, and Embraer Prodigy™ systems using GRS 77 Software version 2.12 and previous versions are affected.

Perspective® is a registered trademark of Cirrus Design Corporation.

Prodigy™ is a trademark of Embraer and may not be used without the express written permission of Embraer S.A.

### **DESCRIPTION**

Temporary loss of heading information (red-X'ed heading) can be caused by sustained (greater than 7 seconds) in-flight operation with true airspeed less than 40 knots and GPS ground speed less than 30 knots.

Additionally, it is also possible that the preceding condition can cause the GRS 77 AHRS to reset, particularly if the low speed condition persists for greater than 10 seconds. In such cases, heading and attitude will not be displayed on the PFD (red X'ed) while the GRS 77 AHRS resets and realigns (typically less than one minute).

### **PILOT ACTION**

Pilots should be aware that operating in the conditions noted above (such as power-on stalls or slow flight) could result in a temporary loss of primary heading and/or primary attitude.

If heading becomes unavailable (heading red-X) and/or if the GRS 77 AHRS resets (attitude and heading red-X) in flight, refer to the standby attitude indicator and compass while the AHRS unit(s) reset and realign.

### **RESOLUTION**

Garmin is investigating software changes to avoid this condition. Such changes will be made available in future software releases.

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