

SERVICE INFORMATION LETTER



Page: 1 of 1

13 Jun 13

SERVICE INFORMATION LETTER NO. SILD42L-008

NOTE: Service Information Letters (SIL) are used only:

1. To distribute information from Diamond Aircraft Industries (DAI) to our customers.
2. To distribute applicable information/documents from our suppliers to our customers with additional information.

NOTE: Typically there is no revision service for SILs. Each new information or change will be sent along with a new SIL.

1. TECHNICAL DETAILS

1.1 Aircraft Affected

All DA42 L360 aircraft. (Modified through STC)

1.2 Subject

Garmin Service Advisory No. 1309, Rev B.
ATA-Code: 34-20.

1.3 Reason

GARMIN has issued a Service Advisory No. 1309 mandating verification of displayed heading is not noticeable drifting prior Take-Off. Revision B contains updated information regarding the causes and additional pilot action. Information For detailed technical information see FAA Airworthiness Directive 2011-26-04, which is applicable without any further additions or restrictions.

1.4 Information

For detailed technical information refer to GARMIN Service Advisory No. 1309 Rev. B (see attached).

2. OTHERS

The applicability of the attached GARMIN publication must be checked. For this purpose refer to the related airplane documentation, contact your responsible GARMIN Service Centre or your local authority.

If in doubt, contact DAI or your Garmin.

To obtain satisfactory results, procedures specified in this service information letter must be accomplished in accordance with accepted methods and current government regulations. Diamond Aircraft Industries Inc. cannot be responsible for the quality of work performed in accomplishing the requirements of this service information letter. Diamond Aircraft reserves the right to void continued warranty coverage in the area affected by this service information letter if it is not incorporated. If you no longer own the aircraft to which this service information letter applies, please forward it to the current owner and send the name of the current owner to Diamond Aircraft Industries Inc. at the address below.

Diamond Aircraft Industries Inc. 1560 Crumlin Sideroad, London, Ontario, Canada N5V 1S2

Customer Support: Phone: (519) 457-4041 Fax: (519) 457-4045 E-mail: custsupp@diamondair.com

Technical Publications: Phone: (519) 457-4030 Ext. 3173 E-mail: techpubs@diamondair.com

COPYRIGHT 2013



SERVICE ADVISORY

NO.: 1309 Rev. B

TO: Owners/operators of Garmin G1000, G1000H, G950, G900X, G500, G500H, G600, Cirrus Perspective™, and Embraer Prodigy® Integrated Flight Deck Systems, and Garmin Dealers/Installers

DATE: April 04, 2013

SUBJECT: Verify displayed heading is not noticeably drifting prior to takeoff

REVISION B: Adds updated information regarding the causes for heading drift and additional pilot action.

AFFECTED PRODUCTS

Garmin G1000, G1000H, G950, G900X, G500, G500H, G600, Cirrus Perspective™, and Embraer Prodigy® Integrated Flight Deck Systems equipped with GRS 77/77H AHRS (Attitude Heading Reference System).

DESCRIPTION

Garmin has received a very limited number of reports of a temporary loss of heading and attitude (provided by the AHRS) displayed in the products noted above. There are two possible causes.

- Moving the aircraft on the ground (e.g., towing operations) during the first 10 seconds after turning on power to the AHRS (when power is applied to a PFD, power is also applied to the associated AHRS)
- Magnetic interference introduced near the magnetometer(s) during AHRS initialization (i.e. during the 60 seconds following power up of the AHRS)

Either of the above conditions can cause noticeably drifting heading to be displayed on the PFD (Primary Flight Display) prior to takeoff. Noticeably drifting heading may induce a temporary loss of PFD displayed heading and/or attitude information after takeoff and during climb.

NOTE

For the purpose of this alert, “noticeably drifting heading” occurs when the PFD heading is continuously turning in one direction at a rate of more than ½ degree per second when the aircraft is stationary. A constant heading offset on the PFD prior to aircraft movement is not an indication of this issue.

© Copyright 2013
Garmin Ltd. or its subsidiaries
All Rights Reserved

Except as expressly provided herein, no part of this document may be reproduced, copied, transmitted, disseminated, downloaded or stored in any storage medium, for any purpose without the express prior written consent of Garmin. Garmin hereby grants permission to download a single copy of this document and of any revision to this document onto a hard drive or other electronic storage medium to be viewed and to print one copy of this document or of any revision hereto, provided that such electronic or printed copy of this document or revision must contain the complete text of this copyright notice and provided further that any unauthorized commercial distribution of this document or any revision hereto is strictly prohibited.

PILOT ACTION

Do not move the aircraft on the ground during the first 10 seconds after turning on the pilot and co-pilot (if present) PFD(s).

Do not take off if the heading displayed on the PFD is noticeably drifting.