

SERVICE INFORMATION NO. SI-40-143

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 40 WAAS equipped aircraft with GARMIN G1000

All DA 40 F WAAS equipped aircraft with GARMIN G1000

1.2 Subject:

GARMIN Service Advisory No. 1344 Revision B
ATA-Code: 34-00

1.3 Reason:

GARMIN has issued Service Advisory No. 1344 Rev. B describing that the CDI / HSI scaling on a limited number of LPV and LNAV/VNAV approaches are incorrect. With Revision B a TSOC146 statement was included.

1.4 Information:

For detailed technical information refer to GARMIN Service Advisory No. 1344 Rev. B.

II. OTHERS

2.1 STC Information:

The affected GARMIN G1000 system and its associated systems, components and software are installed in the DA 40 and DA 40 F airplanes under one of the following known GARMIN STC:

- FAA STC No:
- SA01444WI-D (G1000 System and GFC 700 A/P System with optional WAAS installation)



Diamond Aircraft Industries GmbH
N.A. Otto-Straße 5
A-2700 Wiener Neustadt
Austria

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Additionally to the above mentioned STC further GARMIN STC's may be approved.

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.

2.2 Miscellaneous:

The GARMIN Service Advisory No. 1344 Revision B is attached to this SI.

In case of doubt contact GARMIN.



SERVICE ADVISORY

NO.: 1344 Revision B

TO: Garmin Aviation Service Centers and Owner/Operators of all SBAS (WAAS) enabled GNS 4XX/5XX (GNS 480 is not included) series, GTN 6XX/7XX series, Cirrus Perspective®, Embraer Prodigy™, G1000, G2000, G3000, G5000, G900X, G950 products

DATE: December 06, 2013

SUBJECT: LPV and LNAV/VNAV Approach Full Scale Deflection

REVISION B: Added TSO-C146 statement

AFFECTED PRODUCTS

All SBAS (WAAS) enabled GNS 4XX/5XX (GNS 480 is not included) series, GTN 6XX/7XX series, Cirrus Perspective®, Embraer Prodigy™, G1000, G2000, G3000, G5000, G900X, G950 products are affected by this advisory.

DESCRIPTION

CDI (Course Deviation Indicator)/HSI (Horizontal Situation Indicator) scaling on a limited number of LPV and LNAV/VNAV approaches are incorrect. Vertical guidance is not affected by this issue. As this behavior is not in strict compliance with TSO-C146, Garmin has applied for and received a TSO deviation from the FAA as the affected equipment provides an equivalent level of safety. With the granted deviation the affected equipment is fully compliant with the applicable regulatory regulations.

This issue affects only LPV and LNAV/VNAV approaches where the final approach segment termination waypoint is offset from the landing threshold.

A list of affected LPV and LNAV/VNAV approaches can be found here:

http://www8.garmin.com/aviation/notices/garmin_data_exclusions.pdf

RESOLUTION

Beginning with database cycle 1307, Garmin has removed the capability of selecting the affected approaches for LPV or LNAV/VNAV use until this issue is addressed in a future software release.

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