GARMIN.

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AVIATION SERVICE DOCUMENT NOTIFICATION

TO: Owners of Record for the GNS 480 (CNX80)
DATE: April 16, 2015
SUBJECT: GNS 480 (CNX80) Software Upgrade to Version 2.4 with GPS Software Upgrade to Version 5.1
CERTIFICATION APPROVAL: TSO Authorization (see Approval section of SB1519 for details)

COMPLIANCE
Optional: except as noted below, the modification is at the owner/operator's discretion.
Mandatory: for installations that include GNS 480 (CNX80) units interfaced to GTX 33ES/330ES units.

If the installation includes dual GNS 480 (CNX80) units, both units must be upgraded at the same time.

PURPOSE
This Service Bulletin announces the availability of new GNS 480 (CNX80) Software Version 2.4 and GPS/WAAS Software Version 5.1.

GNS 480 (CNX80) Software Version 2.4 contains of the following new capabilities and features:

- Adds ADS-B OUT+ support for the GNS 480 to be used as a position source for AC 20-165A compliant ADS-B Out installations
- Adds a new configuration option to the transponder interface menu when the GNS 480 is used as a position source for AC 20-165A compliant ADS-B Out operation of the GTX 33ES/330ES transponder
- Corrects an issue that could cause the GNS 480 to perform a system reset when interfaced to a GTX 33ES/330ES transponder
- Adds support for new GTX 33ES installer configuration items
- Adds support for advisory vertical guidance on LP approaches (LP +V)
- Corrects an issue where on some VOR approaches the GNS 480 could load the wrong frequency into the standby position
- Corrects the issue, addressed in SA1047 and IB1048, in which CDI (Course Deviation Indicator)/HSI (Horizontal Situation Indicator) scaling on a limited number of LNAV/VNAV and LNAV+V approaches was incorrect. Software Version 2.4 together with a forthcoming database release will restore this capability. The affected LNAV/VNAV and LNAV+V approaches, which have been selectable as LNAV-only approaches in the interim, will be selectable as LNAV/VNAV or LNAV+V.

The GPS/WAAS Software Version 5.1 adds support for an AC 20-165A compliant position source output.

PRODUCTS AFFECTED
GNS 480 (CNX80) with Garmin Part No. 430-6100-8xx-xxx.

Note: Jeppesen Navigation Database, cycle 0709, effective 8/30/2007 or newer is required with this upgrade. The database update is performed at the owner's expense.

DESCRIPTION
This software service bulletin describes the process for upgrading the GNS 480 (CNX80) software to version 2.4 and upgrading GPS software to version 5.1.

Note: Jeppesen Navigation Database, cycle 0709, effective 8/30/2007 or newer is required with this upgrade. The database update is done at the owner's expense.

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