



SERVICE ADVISORY

NO.: 0940 Rev A

TO: Owner/Operators of GNS 480 (CNX80) Systems
DATE: September 10, 2009
SUBJECT: Software Update Required for GNS 480 (CNX80)

AFFECTED PRODUCTS

All GNS 480 (CNX80) units with Software Version 2.0 or earlier are affected.

PURPOSE

The purpose of this advisory is to describe the need to upgrade GNS 480 (CNX80) units with Software Version 2.0 or earlier to Software Version 2.3.

DESCRIPTION

Each time the GNS 480 (CNX80) is powered up, the unit loads the database from the datacard to its internal memory. Units with Software Version 2.1 or later allocate 30 MB of internal memory for this process. Units with Version 2.0 or earlier software allocate only 16 MB.

At this time the size of the GNS 480 (CNX80) database exceeds 15.5 MB and units with Version 2.0 or earlier software are utilizing more than 97% of the internal memory that is allocated for this purpose. The size of the database will exceed 16 MB with Jeppesen Database Cycle 1001 on January 7, 2010. When this occurs, units with Software Version 2.0 or earlier will not be able to load the database from the datacard to the unit's internal memory.

When this happens, the operator will still be able to update the datacard normally, but when he or she returns the datacard to the unit, the unit will not be able to utilize the database. Direct-To operations and flight planning will be limited to user waypoints; rendering units with software Version 2.0 or earlier unusable for GPS approaches or any other operation that requires a valid database.

GNS 480 (CNX80) units that manifest the problem will display this message during the unit's start up routine:

Database Invalid: Software needs updating

Note: GNS 480 (CNX80) units with Software Version 2.1 or later (including the current Version 2.3) allocate 30mB of space in internal memory for the database. This is more than adequate for current and future needs.

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RESOLUTION

Garmin recommends that all owners of GNS 480 (CNX80) units with Version 2.0 or earlier software contact an authorized Garmin Aviation Service Center and make arrangements to have their units upgraded at their earliest convenience.

GNS 480 (CNX80) Software Version 2.3 is a field-installable software upgrade for units that presently have Version 2.0 software. The upgrade is warranty reimbursable until December 31, 2009 per Software Service Bulletin 0850 Rev B. Older units with Version 1.x software must be returned to the Garmin AT factory for upgrade.

Note: The GNS 480 (CNX80) software version can be viewed by pressing the FN button until the SYS softkey is available. Once the SYS softkey is available, press the SYS softkey, then the VERS softkey. The software version will be displayed as "Airborne SW" on the third line of the display.