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AVIATION SERVICE DOCUMENT NOTIFICATION

TO:	Registered Garmin GTN 6XX/7XX Owner/Operators
DATE:	October 29, 2013
SUBJECT:	GTN 6XX/7XX Software Upgrade to Main Software Version 4.00, COM Software Version 2.12, GMA 35 Audio Software Version 3.05 and Auxiliary Grammar for Helicopters Version 2.20 for Rotorcraft Installations
CERTIFICATION APPROVAL:	TSO Authorization (see Approval section of SSB1369 for details)

COMPLIANCE
This Service Bulletin may be incorporated at the owner's discretion and is not warranty reimbursable.

PURPOSE
This Service Bulletin announces the availability of GMA 35 Auxiliary Grammar for Helicopters Version 2.20 and reiterates the availability of GTN 6XX/7XX Main Software Version 4.00, COM Software Version 2.12, GMA 35 Software Version 3.05, and other software versions listed above in the Affected Items Section of this bulletin **intended to support rotorcraft installations.** GTN Main Software Version v4.00 and GMA Software Version 3.05, Auxiliary Software Version 2.21, and Auxiliary Audio Data Version 2.15 were originally announced in Software Service Bulletin 1314. GTN COM Software Version 2.12 and GMA 35 ARC Database Version 3.08 were originally announced in Software Service Bulletin 1356.

GTN 6XX/7XX Main Software Version 4.00 adds a number of new capabilities and features to support Helicopters. It contains the following changes from Version 3.01:
- Added helicopter configuration settings
- Added helicopter features including:
    - Helicopter Terrain Awareness and Warning System (HTAWS)
    - Pilot selectable capability for Reduced Protection Mode operation for HTAWS
    - Navigation down to 10 knots
    - Mark-on-Target
    - Remote Go Around activation
    - Display of heliports on maps
- Added support for ARINC 429 Radar Altimeter input
- Added enhanced lighting curves for backlight and keypad lighting
- Added enhanced Map Range Ring markings
- Added support for metric fuel units
- Increased allowable manual input of fuel flow and quantity
- GTN 7XX only; added pilot-on-the-right configuration to audio panel control layout and 3D audio

COM Software Version 2.12 contains the following changes from Version 2.11:
- COM Software Version 2.12 provides improved squelch control over Version 2.11. It is helpful only in those installations that experience open squelch (receiver too sensitive) after utilizing the COM Monitor Mode

GMA 35 Software Version 3.05 contains the following changes from Version 2.20:
- Adjusted relative volume during 3D Audio mode

GMA 35 ARC Database Version 3.08 contains the following changes from Version 3.05:
- Mutes telephone audio during an aural alert

GMA 35 Auxiliary Grammar for Helicopters Version 2.20 (Garmin P/N 006-D3034-17) contains the following changes from the standard Auxiliary Grammar Version 2.20 (Garmin P/N 006-D3034-14):
- Uses a subset of the Voice Recognition Command categories

PRODUCTS AFFECTED
The following GTN units are affected:

	GTN 625	GTN 635	GTN 650	GTN 725	GTN 750
Garmin PN	011-02254-00	011-02255-00	011-02256-( )	011-02281-00	011-02282-( )
Main SW PN/ Main SW Version	006-B1026-20/ 4.00	006-B1026-20/ 4.00	006-B1026-20/ 4.00	006-B1026-20/ 4.00	006-B1026-20/ 4.00
COM SW PN/ COM SW Version	N/A	006-B1061-06/ 2.12	006-B1061-06/ 2.12	N/A	006-B1061-06/ 2.12

The following software versions in the GMA 35 unit (Garmin PN 011-02299-00) are affected:

Software Description	SW PN	SW Version
Audio Software	006-B0773-05	3.05
ARC DB	006-D3035-56	3.08
Auxiliary Software	006-B0772-04	2.21
Auxiliary Audio Data	006-D3034-16	2.15
Auxiliary Grammar for Helicopters	006-D3034-17	2.20

DESCRIPTION
Refer to Software Service Bulletin No. 1367 for instructions for loading the software in the GDU 620, GAD 43e units, and a description of the TSO authorized changes. Garmin plans to distribute STC Service Bulletins once the G500 Part 23 AML STC and G600 Part 23 AML STC have been amended to provide installation approval.

Please contact your local Garmin Avionics Dealer (http://www.garmin.com/dealers/) for additional information or for questions regarding this notification. This service notification and associated bulletin/advisory product changes can only be implemented through Garmin's authorized dealer and service center network. This document is not a substitute for and cannot be used in lieu of the document(s) referenced above for airworthiness approval.