



AVIATION SERVICE DOCUMENT NOTIFICATION

TO: Registered Garmin G500/G600 Owner/Operators
DATE: February 11, 2013

SUBJECT: Software Upgrade for GDU 620 Software Version 6.21 and GAD 43e Software Version 2.20

CERTIFICATION

APPROVAL: TSO Authorization (see Approval section of SSB1368 Rev B for details)

COMPLIANCE

This Service Bulletin is mandatory and is warranty reimbursable.

PURPOSE

This Software Service Bulletin announces availability GDU 620 Software Version 6.21, GAD 43e Software Version 2.20 and GRS 77 Software Version 3.04.

Software Updates:

- GDU 620 Software Version 6.21 contains the following changes from version 6.11:
 1. KAS 297 altitude preselector emulation support
 2. Resolves issue identified in Service Advisory 1361
- GAD 43e Software Version 2.20 contains the following changes from version 2.12:
 1. KAS 297 altitude preselect emulation for KFC200/250 autopilot systems
 2. Resolves parallel DME tuning issue
- GRS 77 Software Version 3.04 contains the following changes from version 3.03:
 1. Resolves initialization issue when aircraft is moved on the ground (e.g. towing operations) during the first 10 seconds after turning on power to AHRS.
 2. Resolves initialization issue when magnetic interference is present near the magnetometer during the first 60 seconds after turning on power to AHRS.

Service Advisory 1361, possible temporary loss of heading/attitude information in Garmin G500 and G600 Systems following extended power-on stall and slow flight maneuvers, is addressed by GDU 620 Software Version 6.21.

Service Bulletin 1306, disabling G600/GAD 43e DME configurations which utilize KN-63 parallel tuning, is addressed by GAD 43e Software Version 2.20. Parallel tuning may be configured and restored as specified in the installation guidance.

Service Advisory 1309, possible temporary loss of heading and attitude following aircraft movement or magnetic interference during AHRS power up initialization. GRS 77 V3.04 addresses this issue.

PRODUCTS AFFECTED

Model	Appliance P/N
GDU 620 Display	011-01264-0()
GDU 620 Display	011-01264-1()
GDU 620 Display	011-01264-2()
GDU 620 Display	011-01264-3()
GDU 620 Display, Black Bezel	011-01264-5()
GDU 620 Display, Black Bezel, Right Hand	011-01264-6()
GAD 43e	011-02349-0()
GRS 77 AHRS	011-00868-1()

DESCRIPTION

This software service bulletin describes the process for upgrading LRU software for:

Appliance Model	Software P/N	New Software Version
GDU 620 Display	G500: 006-B1071-4E G600: 006-B0498-4E	6.21
GAD 43e Adapter ¹	006-B1176-04	2.20
GRS 77 AHRS	006-B0223-24 ²	3.04 ²

¹ The GAD 43/43e Main Board Software is unchanged (P/N 006-B0876-01, version 2.01)

² The GRS 77 Software Version 3.04 is only approved for G500 installations

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