Service Newsletter

March 28, 2005

SNL05-7

TITLE

GARMIN G1000 GPS RECEIVER AUTONOMOUS INTEGRITY MONITORING (RAIM) IMPLEMENTATION

TO

Cessna Distributors, Service Stations and affected Owners of Record

MODELS AFFECTED

All Garmin G1000 NAV III equipped model 182T, T182T, 206H and T206H airplanes

DISCUSSION

Cessna has been informed by Garmin that a Global Positioning System (GPS) Receiver Autonomous Integrity Monitoring (RAIM) implementation issue has been found in the G1000 system. This issue only applies to the GPS installed in the number two GIA 63 Integrated Avionics Unit. The G1000 system incorrectly identifies the mode of flight to the GPS in a way that does not correctly implement RAIM requirements established for Terminal and Non-Precision Approaches. The computation of RAIM, when performed, is computed correctly. This issue only applies when the number two GPS is the primary ‘Active’ GPS source, and is not considered a safety of flight issue requiring limitations or airplane operational changes. To determine which GPS is ‘Active’ go to the Auxiliary Page Group, GPS Status Page “AUX- GPS STATUS”. For additional information on how the G1000 system displays GPS information refer to the Garmin G1000 MFD Pilot’s Guide for Cessna NAV III, part number 190-00392-02 (or later revision).

A software update designed to assist in resolving this issue is expected to be available and issued in a Service Bulletin by June 24, 2005.

OWNER NOTIFICATION

On April 11, 2005 a copy of this Service Newsletter will be sent to applicable Owners of Record.

Page 1 of 1

To obtain satisfactory results, procedures specified in this publication must be accomplished in accordance with accepted methods and prevailing government regulations. Cessna Aircraft Company cannot be responsible for the quality of work performed in accomplishing the requirements of this publication.

Cessna Aircraft Company, Product Support, P.O. Box 7706, Wichita, Kansas 67277, U.S.A. (316) 517-5800, Facsimile (316) 942-9006

COPYRIGHT © 2005