

SB 3500-03 Service Bulletin (MANDATORY)

Date: December 5, 2005

Regarding: Coupled backcourse approach; release of software version 3.00

Reason

Problem with coupled backcourse localizer instrument approach.

Applicability

All SN3500-xxx with software below version 3.00.

Description

Course Datum signal gain is too high when configured and flying a coupled backcourse localizer instrument approach. This will cause the flight control system to over compensate corrections left and right of course center line. All indicators on the SN3500 EHSI will display correctly.

Software version 3.00 corrects this condition. For installation information, please refer to 82005-0141-03-A SB 3500-03 Instructions located at:

www.sandel.com/SN3500_EHSI_sup_sb.php [case-sensitive]

or you may contact Sandel Product Support at (760)727-4900 ext "2". Prior to downloading, you will be asked to provide information that will aid us in tracking compliance with this Service Bulletin.

Software version 3.00 provides the following:

1. Service bulletin fix:
 - Coupled backcourse localizer approach sensitivity fixed
2. New feature and enhancements:
 - WSI Datalink receiver precipitation and lightning (CONUS) support added
 - Map database version display added
 - Multiple course pointer values removed to support GNS430/530 auto coupled enroute to approach transitions
 - Removed unnecessary annunciations for decluttering
 - Improved TFC auto-range behavior
3. Installation support improvements:
 - Added support of NAV2 on GPS2 for relays

- FCS maintenance page text revised to match pre-existing SN3308 installations
- Changed default quadrant for KMT-112 installations

Compliance

Mandatory compliance with this Service Bulletin is required.

Warranty Reimbursement

1 hour

Manpower

1 man-hour

Approval

This modification does not affect the original approval.

Identification

No change

Testing

Verify course datum operates AP/FD properly by observing autopilot course-datum sensitivity near frontcourse null and backcourse null. Advise customer to fly a backcourse coupled approach in VFR conditions to verify proper operation.

Documentation

82005-0141-03-A SB 3500-03 Instructions
82005-PG SN3500 Pilot's Guide, Rev D

END