



Service Information Letter

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| SIL Number: | 606-00161-005 | | |
| To: | Owners/Operators of Avidyne Traffic Advisory Systems (9900BX, TAS600 Series, and TAS600A Series Products) | | |
| Subject: | TAS Intruder Vertical Trend Indications | | |
| Purpose: | This Service Information Letter (SIL) advises owners and operators of the 9900BX, TAS600 series, and TAS600A series systems not to rely upon intruder vertical trend indications. | | |
| Revision: | 00 | Date: | 26 Jan 2017 |

Issue Description

This Service Information Letter (SIL) advises owners and operators of the 9900BX, TAS600 series and TAS600A series systems not to rely upon intruder vertical trend indications. A defect has been identified that may prevent the TAS from updating intruder vertical trend when rapidly changing ownship altitude updates are received. This problem is particularly pronounced when the TAS system receives its altitude from an ARINC-429 altitude source providing 1 ft. resolution; however, there is a potential that the problem may be observed regardless the source of ownship altitude data. This issue does not affect traffic alerting, because vertical trend is not used in the alerting algorithm. This issue does not affect intruder range, altitude and bearing indications.

Avidyne would like to reiterate that “The TAS is advisory only, and is a back up to the See and Avoid Concept, and the ATC radar environment”, and that pilots are not to take action based solely upon the information provided by a TAS system.

Effectivity

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|---------------------------------|---|
| Description | 9900BX and TAS600 Series |
| Avidyne Part Number | 70-2420-[] |
| Avidyne Software Release | All revisions of 87-2160 up to and including 1.18 |
| Aircraft Installation | ALL |

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|---------------------------------|------------------------|
| Description | TAS600A Series |
| Avidyne Part Number | 700-00185-[] |
| Avidyne Software Release | 530-00224-[000 Rev 00] |
| Aircraft Installation | ALL |

Solution

This condition does not alter or interfere with the traffic alerting functions, which are the primary purpose of the equipment. Avidyne may incorporate a solution for this behavior in future software releases. Until then pilots are advised to discontinue referencing the intruder vertical trend indications.



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Avidyne has released Service Bulletin 601-00185-009 which updates the software in the TAS-A processor to provide a solution for this behavior. Until it has been confirmed that Service Bulletin 601-00185-009 has been complied or that the TAS-A processor contains software PN 510-00285-000 Revision 03 pilots are advised to discontinue referencing the intruder vertical trend indications. To determine if the TAS-A processor has SW 510-00285-000 Revision 03 contact Avidyne Technical Support at techsupport@avidyne.com or +1-888-723-7592. Please have the serial number of the TAS-A processor ready when contacting Avidyne Technical Support.

Contact Information:

For any questions regarding this Service Information Letter please contact Avidyne Technical Support at:

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1-781-402-7592 International Direct Dial
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