



Service Information Letter

SIL Number:	606-00161-001		
To:	Owners, operators, and Installers of Ryan 9900B TCAD systems		
Subject:	9900B TCAD Barometric Setting		
Purpose:	This Service Information Letter (SIL) advises owners, operators, and installers of Ryan 9900B TCAD of uncommanded barometric pressure setting changes, which do not affect the traffic alerting performance of the TCAD.		
Revision:	01	Date:	14 June 2012

Problem Description

This Service Information Letter (SIL) advises owners, operators, and installers of Ryan 9900B TCAD of uncommanded barometric pressure setting changes, which do not affect the traffic alerting performance of the TCAD.

Some 9900B TCAD systems have been observed to change barometric pressure setting to 29.01 without any input from the pilot. This unexpected change can occur during startup or during operation if the processor is power-cycled or resets. The barometric pressure setting does not affect the traffic alerting features of the 9900B TCAD which are based on relative pressure altitude between the ownship and the target aircraft. The Ground mode and Departure mode functionality is also based on pressure altitude, so Ground mode and the automatic shield transitions into Departure and Enroute modes are unaffected.

If the barometric pressure is not correct, the following reference-only auxiliary functions will be inaccurate:

- Approach mode,
- Displayed MSL altitude of traffic,
- Ownship barometric-corrected altitude, and
- Altitude alerter information.

Solution

Avidyne does not currently offer a fix to this issue. However, Avidyne offers upgrades from the 9900B to the 9900BX or TAS600 series of Traffic Awareness Systems, which do not exhibit this behavior. Contact Avidyne Sales at 1-800-AVIDYNE for more details.

Avidyne makes the following recommendations:

- Always check the barometric setting of the 9900B TCAD prior to and while using any auxiliary functions that depend on barometric-corrected altitude information.
- Do not use the approach mode function.
- Do not rely upon the altitude alerter function on the 9900B TCAD.



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Effectivity

Ryan TCAD 9900B Display P/N 70-2500
Ryan TCAD 9900B Processor P/N 70-2400

Accomplishment Instructions:

No Avidyne changes necessary.

Warranty Information:

Not Applicable.

Contact Information:

Avidyne Technical Support
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