AVIDYNE
For Pilots Who Know The Difference

SIL Number:	**606-00004-010**
To:	**Owners, Operators, and Installers of Avidyne EX500/600/5000 MFDs receiving traffic advisory data from Garmin GTX345 or GDL88.**
Subject:	**All traffic targets will show at the same altitude as the host aircraft.**
Purpose:	**This Service Information Letter (SIL) advises owners, operators, and installers of Avidyne EX500/600/5000 MFDs receiving traffic advisory data from a Garmin GTX345 or GDL88 of a condition where the MFD will display traffic targets at an incorrect altitude.**
Revision: 00	**Date:** 03/01/2019

Effectivity:

Avidyne EX5000 P/N 700-00004-()
Avidyne EX5000 P/N 700-00030-()
Avidyne EX500   P/N 700-00007-()
Avidyne EX600   P/N 700-00167-()

Issue Description

Systems that have Garmin GTX345 or GDL88 transponders installed and used as a traffic source for an Avidyne EX500, EX600 and EX5000 MFDs will not display traffic at the correct altitude. The GTX345 and GDL88 transponders do not supply a standard ARINC-735A stream as is expected by the Avidyne MFDs. As a result, traffic targets will be shown at the same altitude as the host aircraft. This condition occurs on all MFDs receiving traffic data from the GTX345 and GDL88 regardless of the software level installed in the MFD.

Recommended Pilot Actions:

In all cases, basic airmanship should be exercised and fundamentals utilized such as Maintain Aircraft Control, Analyze the Situation, See and Avoid and Take Proper Action.

Important Note:
The information displayed on the EX500, EX600 and EX5000 MFD is supplemental data only and has not been certified for use as a primary display for critical or primary data or parameters.

Solution:

Avidyne's software engineering team will incorporate a change in Software release 4.2.2 and 8.2.2 to recognize the non-standard ARINC format and address this condition. Until such time as software release 4.2.2 and 8.2.2 becomes available pilots are advised that traffic targets will show at the same altitude as the host aircraft. Pilots with an active traffic system installed along with the GTX345 or GDL88 that desire to display traffic on the MFD may want to consider having their active traffic system wired separately to the Avidyne MFD from the active traffic processor until software release 4.2.2 and 8.2.2 is available.

Accomplishment Instructions:

Not Applicable.

Warranty Information:

Not Applicable.

Contact Information:

Avidyne Technical Support
1-888-723-7592 toll free
1-781-402-7592 international direct dial
techsupport@avidyne.com
www.avidyne.com/support
Avidyne Corporation
710 North Drive
Melbourne, Fl. 32934