



Service Information Letter

SIL Number:	606-00182-010		
To:	Owners/Operators of Avidyne IFD540		
Subject:	Potential for Weak VHF Transmission/Reception		
Purpose:	This Service Information Letter (SIL) advises owners and operators of Avidyne IFD540 of a potential for weak VHF transmit/receive power		
Revision:	00	Date:	01/12/2015

Effectivity:

Description	IFD540
Avidyne Part Number	700-00182-000,700-00182-002
Avidyne Software Release	All
Aircraft Installation	Aircraft with IFD540(s) installed prior to 15 December 2014 (M144499999 or earlier serial numbers)

Issue Description:

This Service Information Letter (SIL) advises owners and operators of Avidyne IFD540 equipment that a potential exists for low power VHF transmission and/or reception difficulties.

These issues typically manifest themselves in-flight only with ATC observations asserting difficulty in hearing aircraft VHF transmissions and may request/require radio relaying through other aircraft in proximity and/or difficulty in hearing ATC transmissions, despite high volume settings. Ground-based transmission/reception (i.e. communications with “Ground” or “Tower” agencies while still on the ground) is not typically affected. 14V power bus aircraft are more susceptible to this issue than 28V aircraft but this issue is possible for both types of bus power.

In installations where the current IFD540 exhibits the low VHF transmit/receive power behavior, the IFD540 will need to be returned to the Avidyne factory for a re-calibration. In cases where the IFD540 is not exhibiting the low VHF transmit/receive power behavior, then no change to the IFD540 VHF calibration will be required and the IFD540 does not need to be returned to Avidyne for service.

Recommended Pilot Actions:

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



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For those affected aircraft configurations, until the solution can be implemented, pilots should take the following actions

- Use other VHF radio(s) in the aircraft for transmission/reception, if available.
- Consider relaying VHF radio transmissions through other airborne aircraft in close proximity.
- Return the affected IFD to the Avidyne Service Center for recalibration at the earliest opportunity

Solution:

Avidyne updated internal VHF calibration processes to address this calibration issue and introduced the new process in production units as of early December 2014. All IFD540s manufactured prior to that date that exhibit the behavior should be returned to the Avidyne Service Center for recalibration. This recalibration is covered under warranty.

Contact Information:

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

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