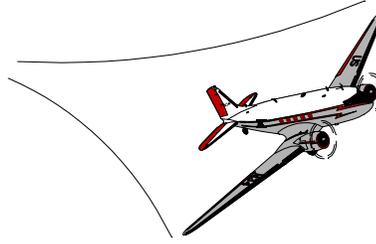


# SPECIAL AIRWORTHINESS INFORMATION BULLETIN

REGULATORY SUPPORT DIVISION  
P.O. BOX 26460  
OKLAHOMA CITY, OKLAHOMA 73125-0460



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

No. CE-00-17  
March 17, 2000

*SAIB's are posted on the internet at <http://av-info.faa.gov>*

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This is issued for informational purposes only and any recommendation for corrective action is not mandatory.

## **Introduction:**

The purpose of this Special Airworthiness Information Bulletin (SAIB) is to alert owners/operators of American General (Gulfstream/Grumman American) AA-5, AA-5A and AA-5B models of a situation that may exist on their airplanes. This condition may result in the in-flight loss of all engine oil and/or some loss of fuel into the cabin area. This information is advisory in nature and not mandated by regulation.

## **Background:**

There have been reports of the in-flight loss of all engine oil and/or some loss of fuel into the cabin area. The subject aircraft have rigid aluminum fuel and oil lines that feed to each respective pressure gauge. These lines were originally wrapped with a foam protective tape in the area forward of each pressure gauge. This foam tape has deteriorated with age and in some cases allowed contact between the defrost hose and the pressure line. Again, because of deterioration with age and probable relative motion between the two lines, steel wire reinforcing in the defrost hose can make contact with the pressure line, setting up dissimilar metal corrosion causing subsequent sudden failure of the pressure line. Each pressure line has a restrictor fitting on the engine and carburetor to prevent rapid loss of engine fluids in case of a line failure; however, some reports indicate that all engine oil has been lost in just a few minutes even with the restrictor in place.

***Note:** The AG-5B aircraft do not have pressure lines in the cabin and, therefore, are not subject to this recommendation.*

## **Recommendation:**

Based on currently available information, the FAA is only recommending the following actions; however, the FAA will continue this investigation. Issuance of an Airworthiness Directive may be found to be warranted based on analysis of new information.

The FAA recommends that the inspection and repair, if necessary, specified in FletchAir, Inc. Critical Service Bulletin, SB 188, dated December 15, 1999, be accomplished at the next scheduled inspection and thereafter, at each annual inspection.

Copies of FletchAir, Inc SB 188 may be obtained by calling the FletchAir, Inc. Parts Department at (713) 641-2023 or by mail at: FletchAir, Inc., 9000 Randolph Street, Houston, TX 77061.

## **For Further Information Contact:**

Donald J. Young, Aerospace Engineer, Atlanta Aircraft Certification Office; FAA Small Aircraft Directorate; One Crown Center, 1895 Phoenix Boulevard, Suite 450; Atlanta, Georgia 30349; Telephone: (770) 703-6079; Facsimile: (770) 703-6097; email: [donald.young@faa.gov](mailto:donald.young@faa.gov)



### CHANGE OF ADDRESS NOTICE

Airworthiness Directives (AD) for a particular make and model of aircraft are mailed to the aircraft owners using the permanent mailing address on file with the FAA Registry. If you need to change your address, please complete this form and mail to FAA Aircraft Registration. A revised Certificate of Aircraft Registration will be mailed to you without charge.

**Signature requirements:**

- Individual owner must sign.
- Partnership, a general partner must sign.
- Co-owner, each co-owner must sign, continuing as necessary on an attached sheet.
- Government, any authorized person may sign.

**MAIL TO:**

FAA Aircraft Registry, AFS-750  
 Mike Monroney Aeronautical Center  
 P.O. Box 25504  
 Oklahoma City, OK 73125-0504

AIRCRAFT REGISTRATION NO.	SERIAL NO.	
MAKE	MODEL	
<b>ADDRESS CHANGE REQUESTED NAME AND ADDRESS OF CERTIFICATE HOLDER</b>		
STREET		
CITY		
STATE	ZIP	COUNTRY
SIGNATURE (In Ink)	TITLE	DATE

<b>CANCELLATION OF REGISTRATION REQUESTED:</b> (check applicable block, sign, and date)		
1. Aircraft sold to: (Purchaser's name and address)	_____ _____ _____	
2. Aircraft destroyed/scrapped		
3. Aircraft exported to	_____	
4. Other, specify	_____	
I (we) request cancellation of registration for the above reason.		
SIGNATURE (In Ink)	TITLE	DATE

U.S. Department  
of Transportation

**Federal Aviation  
Administration**

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