

SB-186

CONTAINS INFORMATION PERTAINING TO A THREAT TO THE CONTINUED SAFE OPERATION OF AN AIRCRAFT OR TO THE SAFETY OF PERSONS OR PROPERTY ON THE GROUND UNLESS SOME SPECIFIC ACTION IS TAKEN BY THE AIRCRAFT OWNER.

Date: May 10, 1995
Subject: Interior Parts Corrosion
Model/Serials Affected: AG-5B 99998, 10000 and subsequent
Time of Compliance: Within the next 25 hours of operation or at the next scheduled inspection, which ever occurs first.

General:

We have received reports and visible evidence of various interior parts becoming severely corroded. Failure of some of these parts could compromise the structural integrity of the aircraft and result in loss of flight control should a combination of one or more of these parts fail. The corroded parts were detected during a routine 100 hour inspection, further inspection revealed other cabin area aluminum parts located next to or covered by the interior fabric were also corroded.

The corrosion stems from the effects of a saline based fire retardant chemical used on the interior fabric of an undetermined number of AG-5B Tigers. This type of fire retardant treatment is common in many aircraft; however, it is not recommended in areas subjected water leakage. If the AG-5B canopy is not closed correctly and sealed properly, water can enter into the cabin area and the interior fabric may become saturated. Any excess runoff of the water/fire retardant mixture may lead to corrosion.

An undetermined number of the AG-5B series aircraft interiors were treated with this saline based fire retardant chemical. It is suspected that these aircraft may have parts that are corroded.

INSPECTION:

Within the next 25 hours of time in service or at the next scheduled inspection, whichever occurs first, accomplish the following:

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FLETCHEIR, INC.
9000 RANDOLPH ST.
HOUSTON, TX 77061

SERVICE

B U L L E T I N

1. Prepare the aircraft for safe maintenance;
 2. Ensure that the Master and Magneto switches are off; disconnect battery and lead.
 3. Remove the front and rear seats per Gulfstream Aerospace Maintenance Manual (GAMM), Revision 4, section 25-1-0, page 201, par 1 and 2.
 4. Remove the side panel upholstery per GAMM, sec 25-6-0, page 1, par 2.
 5. Inspect all visible aluminum parts that may come in contact with the fabric for signs of corrosion. Special attention should be placed on hinge (Part # 5102324-504) attach points.
 6. If corrosion is present, remove the corrosion per AC 43.13-1A, par. 250.
 7. Replace any part with excessive corrosion damage.
- If corrosion has been detected, this service bulletin must be repeated Quarterly, until the fabric has been removed and replaced with another FAA approved material that is not saline based.
9. If corrosion has not been detected, this service bulletin should be repeated during routine inspection.
 10. Replace all interior parts per GAMM, sec.25.
 11. Reconnect battery cable.
 12. Record compliance in the aircraft maintenance records and return the aircraft to service.
 13. Please complete the attached compliance form and return to:

American General Aircraft Holding Co., Inc.
c/o FletchAir, Inc., Records Dept.
9000 Randolph Street
Houston, TX 77061

American General Holding Company
c/o FletchAir, Inc., Records Dept.
9000 Randolph Street
Houston, TX 77061

Fold on Line

CRITICAL SERVICE BULLETINSB-186

Record of Compliance

Date of Compliance: _____

Registration Number: _____

erial Number:

Inspection Results:

_____.

Thank You for your cooperation,

FletchAir, Inc.