



American General  
Aircraft Corporation

# SERVICE

SERVICE BULLETIN No. 181

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DATE: NOVEMBER 18, 1992

SUBJECT: FUEL SYSTEM CONTAMINATION

SERIALS AFFECTED: AG-5B 99998, AG-5B 10000 through AG-5B 10006

TIME OF COMPLIANCE: Within the next 50 hours of operation or at the next scheduled inspection, which ever occurs first and at each 100 hours thereafter until compliance with part "A" of this service bulletin is accomplished

GENERAL:

The fuel tanks on the above listed aircraft serials are suspected to have defective fuel tank sealant. This sealant may become soft and possibly separate from the inside surface of the fuel tank which could obstruct fuel passage.

INSPECTION PROCEDURES:

WARNING

**This inspection involves opening of the fuel tanks. Observe all airport and other applicable fire regulations concerning defueling and fuel system maintenance.**

1. Prepare the aircraft for safe maintenance as follows:
  - a. Disconnect battery
  - b. Ground aircraft to a suitable ground
  - c. Observe all safety precautions
2. Defuel both fuel tanks and gain access to the inside of the tanks by removing the four (4) fuel tank access covers on the lower surface of each wing and retain for reinstallation.
3. Inspect all areas inside the fuel tanks for soft, sticky, blistered or loose sealant.
4. Inspect the internal electric fuel pump screen and the carburetor inlet screen for contamination.

ACTION:

- A. If the above inspection reveals soft, sticky, blistered or loose sealant, or if sealant material is found in any of the fuel screens, accomplish the following:
  1. Remove the old sealant and reseal the fuel tanks in accordance with:
    - a. The AA-5 Series Maintenance Manual Chapter 28-1-1, "Fuel Storage System - Approved Repairs"

b. Service Kit 140B Part, II.

2. If contamination is found in any of the fuel screens, the entire fuel system ( components and plumbing ) should be inspected, cleaned and reinstalled. Refer to Maintenance Manual, chapter 28 for applicable procedures.
3. Return the aircraft to flight status.
4. Record compliance in the aircraft log book and return the attached compliance card to:

American General Aircraft Corp.  
Rt. 1 Box AB 306  
Greenville, Ms. 38703

B. If the above inspection reveals that the sealant is in a serviceable condition, accomplish the following:

1. Reinstall the fuel tank access covers in accordance with the AA5 Series Maintenance Manual chapter 28-1-1 .

**NOTE**

Approved access cover sealants include:

PR 1403  
PR 1428  
PR 1321

2. Return the aircraft to flight status.
3. Record compliance in the aircraft log book.