

Fletcher Inc.

9000 Randolph, Houston, Texas 77061 (713)649-8700

CRITICAL SERVICE BULLETIN SB 187

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: November 6, 1997
SUBJECT: Engine oil breather blockage
MODEL/SERIALS AFFECTED: All AA-5, AA-5A, AA-5B, GA-7
Manufactured by American Aviation,
Grumman American, Gulfstream
Aerospace.
TIME OF COMPLIANCE: Prior to next flight.

General

We have received reports of the engine breather flexible hose P/N 5500006-5 collapsing, preventing the engine crankcase from venting. This has caused the rapid loss of all engine oil and/or high fuel pressure. High fuel pressure may cause flooding of the carburetor, loss of engine power and a subsequent fire hazard.

Subject aircraft were manufactured with the engine breather made from "Aeroduct Ceet" type, double wall, wire and cord reinforced, flexible hose. The inner lining has been found to collapse and block venting while not being readily visible during inspection.

Inspection and Repair

To prevent loss of engine power prior to the next flight, accomplish the following:

1. Remove any flexible breather made from spiraled wire and string cord reinforced material.
2. Install a MIL-6000 3/4 hose "length as required" in its place. Secure with tie wraps so that 1.25 +/- .25 inches of rigid breather tube extends below the cowling.
3. Secure so that (whistle slot) alternate ice vent will remain inside engine compartment when subject to vibration.
4. Record compliance in aircraft log book.

The technical contents of this Service Bulletin are FAA approved.