



May 11, 2001

Reference: 1. FAA Airworthiness Directive Number 2001-08-01
2. JanAero Devices Service Bulletin A-107 dated January 8,2001
3. FAA Letter 5/10/01: Alternate Means of Compliance for AD 2001-08-01

Dear Valued Customer:

FAA Airworthiness Directive Number 2001-08-01 requires inspection of fuel regulators associated with Janitrol B-series heaters. Due to the tremendous influx of calls from the field, the Atlanta ACO has provided an alternate means of compliance with the directive. The alternate means allows for disabling of the heater system to enable the aircraft to remain flyable. The operator can then either wait for an appropriate time to comply based on available maintenance time or availability of replacement parts.

Replacement parts availability has, as of this date, increased to a three week lead-time. Every effort is being made to reduce this lead time to under one-week and we expect this goal to be reached by the end of May, if not sooner.

Please distribute the attached Alternate Means of Compliance as necessary to help satisfy field requests.

Any customer questions on this alternate means can be directed to our Technical Service personnel at 1-888-461-6077.

Sincerely,

A handwritten signature in black ink that reads 'Ralph B. Benway'.

Ralph B. Benway
Director, Engineering
Consolidated Fuel Systems



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

**Atlanta Aircraft Certification Office
One Crown Center, Suite 450
1895 Phoenix Boulevard
Atlanta, GA 30349**

MAY 10 2001

Mr. Ralph Benway
Consolidated Fuel Systems
1400 South East Boulevard
Montgomery, AL 36116

Reference: FAA Airworthiness Directive Number 2001-08-01
JanAero Devices Service Bulletin A- 107 dated January 8, 2001

Subject: Alternate Means of Compliance for AD 2001-08-01

Dear Mr. Benway:

This is to inform you, as the point of contact for JanAero Devices (formerly Janitrol), of the alternate means of compliance for AD 2001-08-01 on the JanAero Device fuel regulator shutoff valves. We find that the following methods are acceptable for compliance with AD 2001-08-01.

For installed fuel regulator shutoff valves

A). Visual Inspection

- 1) Locate the pressure regulator shut off valve in the installation. Refer to the applicable aircraft maintenance manual for valve location, removal, and installation instructions.
- 2) Prior to removing the valve from the installation, visually inspect the installed valve for signs of fuel stains, paying careful attention to the diaphragm joint and the threaded mounting holes as located in sides of the valve body. See Figure 2 of the JanAero Service Bulletin A-107. Fuel leakage in those applications using AVGAS may appear as a greenish blue stain or residue in the area of the diaphragm joint or threaded mount hole. Fuel leakage in those applications using JET-A fuel may appear as a wetness or oily residue at the diaphragm joint or threaded mount hole. Utilize supplemental lighting if needed to facilitate visual inspection. Visual inspection must include all four sides of the regulator valve body.

Replace the valve if signs of fuel leakage are found, using a new valve of appropriate part number but with date of manufacture code 11/00 or later or a FAA approved replacement valve. Record change and Service Bulletin compliance in the logbook.

B) Disabling Heater

In lieu of the requirements of paragraphs a through g, it is acceptable to disable a heater provided there is no possibility of fuel or fuel ignition in the heater combustion chamber. At least the following items must be accomplished to disable the heater:

1. Disconnect and cap the fuel supply line prior to the combustion heater fuel pump.
2. Disconnect the electrical power and ensure that the connections are properly secured so as not to present an electrical spark or structural damage possibility.
3. Accomplish inspections and test to ensure the cabin heater system is disabled.
4. Determine that no other aircraft system is affected by this action.
5. Ensure there are no fuel leaks.
6. Placard the system inoperative. The placard must be located at the heater control and/or in plain view of the pilot.
7. Make a logbook entry describing the work performed.

Any heater returned to service after being disabled in accordance with paragraph h must accomplish the requirements of paragraphs a through g prior to further flight.

For uninstalled fuel regulator shutoff valves

- 1) Set up the valve on a test bench and pressure test for leakage as follows.
 - a.) Using a suitable source of fluid pressure, configure the valve for pressure test using a No. 4 inlet line with a 0-60 PSI gage installed in the fuel inlet line. The outlet port maybe left open as long as the solenoid is not energized. There should be no flow from the outlet port when the solenoid is de-energized.
 - b.) Using mineral spirits or JET-A as the test fluid, apply 50 PSI fuel pressure to the inlet of the valve for 1 minute minimum with the solenoid de-energized and carefully inspect the valve body for signs of fuel leakage, paying careful attention to the diaphragm joint and the threaded mount holes as shown in Figure 2.

CAUTION —prior to test, exercise care to wipe valve body and inlet fitting free of any residual fluid that may have contacted external surfaces of the valveing during test setup.


Leakage may appear as a wetness or seepage at the diaphragm joint or threaded mount holes. Rotate the valve during pressure test as necessary to fully inspect all external surfaces.

c.) If signs of fuel leakage are found return the part to JanAero Devices.

2.) If no signs of fuel stains/leakage are found, mark the valve cover with date of inspection (month/year) using permanent ink and letters .12 - .25" high next to or below the date of manufacture. For example, a valve inspected in February 2001 should be marked 02/01. The parts may then be placed into service.

A copy of this letter should be provided to any customer for the inclusion in the appropriate maintenance records/logbooks indicating compliance with AD 2001-08-01. Please feel free to distribute this letter to your distributors so that they may use it in showing compliance with the AD as needed. If we can be of further assistance, please contact Ms. Linda M. Haynes of this office, telephone (770) 703-6091.

Sincerely,



Melvin D. Taylor
Manager, ACE-115A
Atlanta Certification Office