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# Alert Service Bulletin

## Alert Service Bulletin No. 085

### Heater Fuel Pump Leak Inspection and Replacement

#### 1. Planning Information

##### A. Effectivity

- (1) Janitrol Aero heater fuel pump P/Ns CD29108, CD29110, CD29113, CD29119, CD29229, CD29229S, 29108, 29113, and 29119 manufactured by Hartzell Engine Technologies LLC (HET) between 11 Feb. 2016 and 24 Feb. 2021 are affected by this Alert Service Bulletin (ASB).
  - (a) Single and dual heater fuel pump configurations are affected by this ASB.
  - (b) HET P/Ns CD29108, CD29110, CD29113, CD29119, CD29229, CD29229S, 29108, 29113, and 29119 heater fuel pump assemblies manufactured by Hartzell Engine Technologies LLC between 11 Feb. 2016 and 24 Feb. 2021 in inventory are affected by this ASB.
  - (c) C&D Associates, Inc. labeled fuel pumps installed after 11 Feb. 2016, regardless of serial number, are affected by this ASB.
  - (d) Aircraft applications may include, but are not limited to, those listed in Table 1.

**NOTE:** Table 1 is for reference only and is not an all-inclusive list of aircraft affected by this ASB. It is the responsibility of the owner/operator to verify whether an affected heater fuel pump may be installed.

##### (e) HET Serial Numbers Affected

- 1) HET001 and subsequent serial numbers are affected by this ASB;
- 2) HA15000000 thru HA21020060 serial numbers are affected by this ASB.

**WARNING:** DO NOT USE OBSOLETE OR OUTDATED INFORMATION. PERFORM ALL INSPECTIONS OR WORK IN ACCORDANCE WITH THE MOST RECENT REVISION OF THIS ALERT SERVICE BULLETIN. INFORMATION CONTAINED HEREIN MAY BE SIGNIFICANTLY CHANGED FROM EARLIER REVISIONS. FAILURE TO COMPLY WITH THIS ALERT SERVICE BULLETIN OR THE USE OF OBSOLETE INFORMATION MAY CREATE AN UNSAFE CONDITION THAT MAY RESULT IN DEATH, SERIOUS BODILY INJURY, AND/OR SUBSTANTIAL PROPERTY DAMAGE. REFER TO WWW.JANITROL.AERO FOR THE MOST RECENT REVISION LEVEL OF THIS ALERT SERVICE BULLETIN.

Fuel Pump P/N	Aircraft Effectivity
CD29110, CD29119, CD29119S, 29119	PA-34-200, PA-34-200T, PA-34-220T
CD29108, 29108	PA-34-200T, PA-34-220T
CD29113, 29113	PA-44-180, PA-44-180T
29120 (STC #SA03334CH)	Baron 58, 58TC, 95-B55, E55, G58

**Table 1 - Fuel Pump/Aircraft Effectivity (reference only)**

# Alert Service Bulletin

## Alert Service Bulletin No. 085

### Heater Fuel Pump Leak Inspection and Replacement

#### B. Concurrent Requirements

- (1) None

#### C. Reason

- (1) Fuel leakage from the fuel pump filter housing threaded connection to the fuel pump housing has been observed (see Figure 1).

#### D. Description

- (1) This Alert Service Bulletin provides Instructions for Continued Airworthiness (ICA).
- (2) This Alert Service Bulletin provides instructions for inspection and replacement of an affected heater fuel pump.

#### E. Compliance

- (1) Immediate
  - (a) Compliance with Accomplishment Instructions of this ASB is required prior to next flight.
- (2) Compliance with Accomplishment Instructions is the terminating action for this Alert Service Bulletin.

#### F. Approval

- (1) FAA acceptance has been obtained on technical data in this publication that affects type design.

#### G. Manpower

- (1) Labor is negligible for identification and inspection when performed in conjunction with regularly scheduled maintenance required by the engine/aircraft manufacturer.
- (2) Up to a one half (.50) hour labor required for initial inspection of the fuel pump.
- (3) Up to one and a half (1.5) hours labor required for removal and installation of the fuel pump.

#### H. References

- (1) Applicable aircraft POH or AFM.
- (2) Aircraft maintenance manual (as applicable).

#### I. Other Publications Affected

- (1) None

#### J. Weight and Balance

- (1) No Change

# Alert Service Bulletin

## Alert Service Bulletin No. 085

### Heater Fuel Pump Leak Inspection and Replacement

#### 2. Material Required

##### A. Fuel Pump:

- (1) One (1) each, fuel pump of the part number removed that is not affected by this Alert Service Bulletin.

#### 3. Accomplishment Instructions

**WARNING:** THIS PROCEDURE MUST BE PERFORMED BY COMPETENT AND QUALIFIED PERSONNEL WHO ARE FAMILIAR WITH ENGINE AND AIRFRAME MAINTENANCE THAT IS SPECIFIC TO THE AIRCRAFT FUEL SYSTEM. FAILURE TO DO SO MAY RESULT IN ECONOMIC LOSS, EQUIPMENT DAMAGE, AND/OR PHYSICAL INJURY.

**CAUTION 1:** DO NOT USE OBSOLETE OR OUTDATED INFORMATION. PERFORM ALL INSPECTIONS OR WORK IN ACCORDANCE WITH THE MOST RECENT REVISION OF THIS ALERT SERVICE BULLETIN AND THE APPLICABLE AIRCRAFT AND/OR ENGINE MAINTENANCE MANUAL. INFORMATION CONTAINED IN THESE MANUALS OR THIS ALERT SERVICE BULLETIN MAY BE SIGNIFICANTLY CHANGED FROM EARLIER REVISIONS. FAILURE TO COMPLY WITH THE ALERT SERVICE BULLETIN OR THE USE OF OBSOLETE INFORMATION MAY CREATE AN UNSAFE CONDITION THAT MAY RESULT IN DEATH, SERIOUS BODILY INJURY, AND/OR SUBSTANTIAL PROPERTY DAMAGE. REFER TO THE JANITROL WEBSITE (WWW.JANITROL.AERO) FOR THE MOST RECENT REVISION OF THIS ALERT SERVICE BULLETIN.

**CAUTION 2:** DO NOT DEPEND ON THIS ALERT SERVICE BULLETIN FOR GAINING ACCESS TO THE FUEL PUMP(S). ACCESS REQUIRES THE USE OF THE APPLICABLE MANUFACTURER'S MAINTENANCE MANUALS OR SERVICE INSTRUCTIONS. IN ADDITION, ANY PREFLIGHT OR IN FLIGHT OPERATIONAL CHECKS REQUIRE USE OF THE APPROPRIATE AFM OR POH.

##### A. Fuel Pump Identification

- (1) If positive identification of the fuel pump model can be made through aircraft documentation, and the fuel pump IS affected per 1.A, continue to 3.B, Inspection. If the fuel pump is NOT affected, no further action is required.
- (2) If positive identification cannot be made through aircraft documentation, gain access to the heater fuel pump(s) and inspect the data tag against Table 1 found in section 1.A. to verify effectivity.
  - (a) If the unit IS affected per section 1.A of this ASB:
    - 1) Proceed to section 3.B., Fuel Pump Inspection or 3.C., Corrective Action.
  - (b) If the unit is NOT affected, install any components that were removed to gain access in accordance with the latest airframe service instructions or maintenance manual. Continue to 3.E.(2), Maintenance Record.

# Alert Service Bulletin

## Alert Service Bulletin No. 085

### Heater Fuel Pump Leak Inspection and Replacement

#### B. Fuel Pump Inspection

- (1) Inspect the fuel pump and immediate area (Figure 1) for signs of leaking or blue fuel dye staining under the following conditions:
  - (a) Heater fuel pump de-energized;
  - (b) Heater fuel pump energized;
  - (c) If equipped, energize the upstream heater fuel pump.
    - 1) If fuel leak or blue fuel dye staining is observed under any of the above conditions, continue to Corrective Action of this ASB, 3.C.(1) or 3.C.(2).
    - 2) If fuel leakage is not observed under any of the above conditions, inspect every 50 hours aircraft time-in-service not to exceed 200 hours aircraft time-in-service from initial inspection.
      - a) Make an appropriate maintenance record entry upon completion of initial inspection and for each subsequent 50 hour inspection thereafter. Refer to 3.E.(1).
      - b) Comply with Corrective Action of this ASB, 3.C.(1) or 3.C.(2), at or before 200 hours aircraft time-in-service.

#### C. Corrective Action:

- (1) Fuel Pump Replacement
  - (a) Replace the fuel pump with a unit not affected by this ASB in accordance with appropriate aircraft maintenance manual and airframe service instructions. Continue to 3.D.(1), Return to Service.
- (2) Heater System Deactivation
  - (a) Deactivate heater system in accordance with an approved minimum equipment list applicable to the aircraft until compliance with 3.C.(1) is completed.

#### D. Return to Service

- (1) Perform the recommended fuel pump/fuel system set up and functional tests in accordance with the applicable aircraft maintenance manual, airframe service instructions, and operational tests in the AFM or POH.
- (2) Inspect the fuel pump installation for security and leaks.
- (3) Install any components that were removed to gain access in accordance with the latest airframe service instructions or maintenance manual. Continue to 3.E.(2), Maintenance Record.

#### E. Maintenance Record

- (1) For affected fuel pumps continuing in service, make an appropriate aircraft logbook entry to indicate compliance with this Alert Service Bulletin noting when the next inspection is due.
- (2) For terminating action, make an appropriate aircraft logbook entry to indicate compliance with this Alert Service Bulletin.

# Alert Service Bulletin

## Alert Service Bulletin No. 085

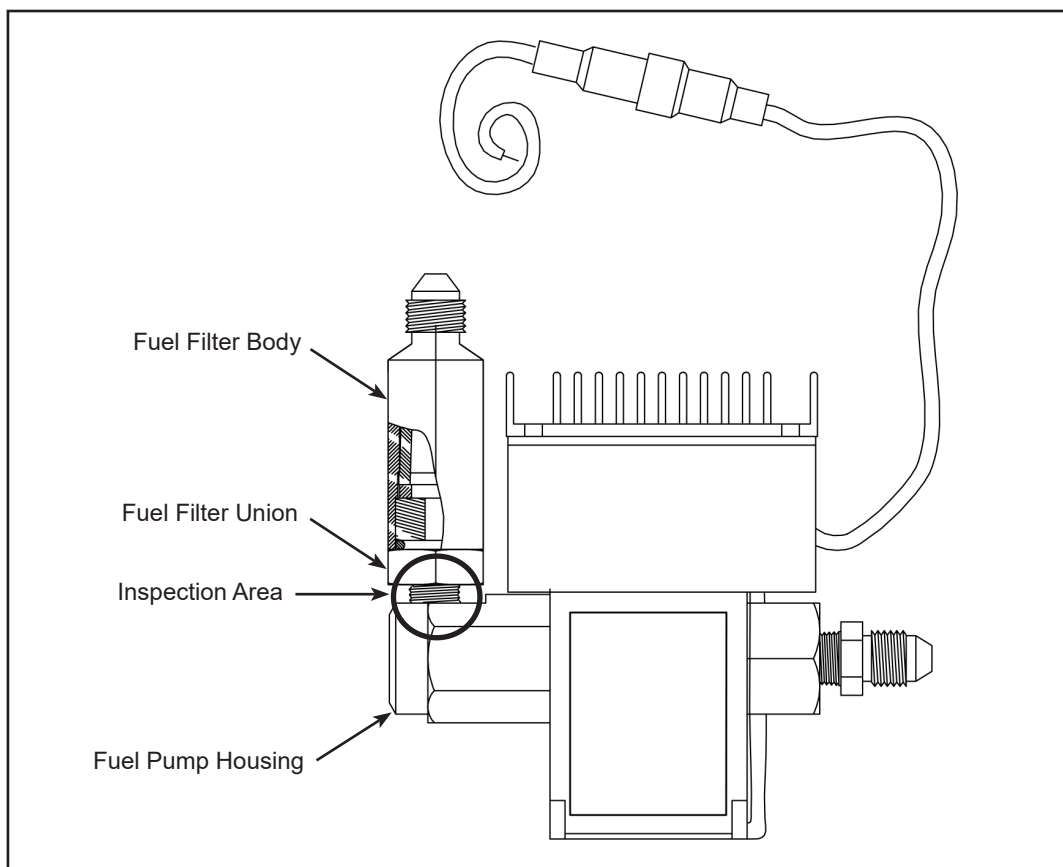
### Heater Fuel Pump Leak Inspection and Replacement

#### 4. Contact Information

A. Contact HET Product Support for all communications regarding the technical content of this Alert Service Bulletin.

- (1) Phone +1.334.386.5400 (Option 2)
- (2) Fax +1.334.386.5450.
- (3) E-mail at [techsupport@hartzell.aero](mailto:techsupport@hartzell.aero)
- (4) Address

Hartzell Engine Technologies LLC  
2900 Selma Highway,  
Montgomery, AL 36108  
USA



**Figure 1 - Heater Fuel Pump Inspection Area**

# Alert Service Bulletin Appendix

## Alert Service Bulletin No. 085

### Heater Fuel Pump Leak Inspection and Replacement

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#### 1. ELIGIBILITY:

- A. Janitrol Aero heater fuel pump P/Ns CD29108, CD29110, CD29113, CD29119, CD29229, CD29229S, 29108, 29113, and 29119 manufactured by Hartzell Engine Technologies LLC (HET) between 11 Feb. 2016 and 24 Feb. 2021, on-aircraft and fuel pumps in inventory are affected.
- (1) C&D Associates, Inc. labeled fuel pumps installed after 11 Feb. 2016, regardless of serial number.
  - (2) HET001 and subsequent serial numbers.
  - (3) HA15000000 thru HA21020060 serial numbers.

#### 2. COMMERCIAL ASSISTANCE PROGRAM:

The following will be provided with the submission of a completed ASB 085 Claim Form, copies of invoices showing breakdown of material and labor charges, and log book entries. **Any commercial assistance or other consideration shall expire twelve (12) calendar months from the original published date of Alert Service Bulletin No. 085.**

##### A. Initial Inspection

- (1) One half (0.5) hour labor to gain access to the pump and perform the initial inspection (prior to next flight) paid at a shop rate of up to \$85 per hour.

##### B. Pump Replacement

- (1) For field replacement of an eligible fuel pump, HET will provide:
  - (a) Materials Required can be found in ASB 085 section 2.
  - (b) Labor for Corrective Action of ASB 085 of affected fuel pumps will be paid at a shop rate of \$85 per hour up to the amount specified below:
    - 1) Up to one and a half (1.5) hours labor for removal and installation of the fuel pump.
- (2) If returning an eligible fuel pump, HET will repair and return the unit.
  - (a) Customer **must** obtain an **RMA approval number** from HET **before** returning the fuel pump to HET for factory repair.
  - (b) Up to one and a half (1.5) hours labor for removal and installation of the fuel pump.

# Alert Service Bulletin Appendix

## Alert Service Bulletin No. 085

### Heater Fuel Pump Leak Inspection and Replacement

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#### 3. COMMERCIAL ASSISTANCE ADMINISTRATION:

- A. Complete the Alert Service Bulletin ASB 085 Claim Form attached to this appendix.
  - (1) Mail, e-mail, or fax the ASB 085 Claim Form to the attention of Product Support as indicated on the Claim Form.
- B. Upon receipt of the Alert Service Bulletin Claim Form, HET will:
  - (1) If required by the Alert Service Bulletin, ship the material required by section 2.B, to the service provider indicated.
  - (2) The service provider must return proof of service within thirty (30) days or the service provider shall be invoiced for the HET supplied materials.
- C. For removal/installation charges:
  - (1) Aircraft/engine service facility must submit an invoice up to the amount specified in section 2, copies of logbook entries, and a completed ASB 085 Claim Form for reimbursement.

#### 4. WARRANTY STATEMENT:

- A. The sole warranty for the actions of ASB 085 are contained in the HET Limited Warranty Policy issued with the purchase of each new/overhauled fuel pumps (see terms and conditions therein).
- B. Commercial assistance may apply as stated in this Appendix.
- C. Issuance of ASB 085 in no way constitutes an implied or expressed warranty of any kind.
- D. This publication does not imply or state any responsibility for the workmanship of any person or entity performing work or maintenance on the engine or aircraft fuel system.

#### 5. CONTACT INFORMATION:

- A. Contact **HET Product Support** for all communications regarding the technical content of Alert Service Bulletin 085.
  - (1) Phone +1.334.386.5400 (Option 2)
  - (2) Fax +1.334.386.5450
  - (3) E-mail at techsupport@Hartzell.aero
  - (4) Address
    - Hartzell Engine Technologies LLC
    - 2900 Selma Highway,
    - Montgomery, AL 36108
    - USA

# Alert Service Bulletin Appendix

## Alert Service Bulletin No. 085

### Heater Fuel Pump Leak Inspection and Replacement

#### ASB 085 CLAIM FORM

#### Owner information

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Tel: \_\_\_\_\_ Fax: \_\_\_\_\_  
Company Name: \_\_\_\_\_ E-mail: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Postal Code: \_\_\_\_\_  
Country: \_\_\_\_\_

#### Aircraft/Engine Service Facility information

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Tel: \_\_\_\_\_ Fax: \_\_\_\_\_  
Company Name: \_\_\_\_\_ E-mail: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Postal Code: \_\_\_\_\_  
Country: \_\_\_\_\_  
Aircraft Mfg: \_\_\_\_\_ Model: \_\_\_\_\_ Time in Service: \_\_\_\_\_ S/N: \_\_\_\_\_  
Engine: \_\_\_\_\_ Model: \_\_\_\_\_ Time in Service: \_\_\_\_\_ S/N: \_\_\_\_\_

#### Payment Information

Same as Owner:  Same as Facility:  Other:  \_\_\_\_\_ Name  
\_\_\_\_\_ Address

#### Component Information

Nomenclature: **Heater Fuel Pump** \_\_\_\_\_ Part Number: \_\_\_\_\_  
Serial Number: \_\_\_\_\_ (Fuel Pump) Date Removed: \_\_\_\_\_  
Part Time in Service: \_\_\_\_\_ (Fuel Pump) Original Date Installed: \_\_\_\_\_

#### For RMA Number

Send this ASB 085 Claim Form to:

Hartzell Engine Technologies Product Support

Fax: +1.334.386.5450

E-mail: techsupport@hartzell.aero

**Hartzell Use Only - do not write below this line.**

#### RMA Number:

(write in HET assigned RMA number)

Warranty No: \_\_\_\_\_ Authorized by: \_\_\_\_\_