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# MANDATORY

# SERVICE BULLETIN

DATE: December 8, 2022 Service Bulletin No. 628A  
 (Supersedes Service Bulletin No. 628)  
 Engineering Aspects are  
 FAA Approved

SUBJECT: Reprint of Hartzell Engine Technologies' (HET) Alert Service Bulletin (ASB) 076

MODELS AFFECTED: Lycoming engine models using the HET model 200F, 201F or 202F series fuel pump.

TIME OF COMPLIANCE: Next maintenance event not to exceed 25 hours.

REASON FOR REVISION: Update to the new ASB 076 which obsoletes ASB 069.

**NOTICE:** Incomplete review of all the information in this document can cause errors. Read the entire Service Bulletin to make sure you have a complete understanding of the requirements.

Lycoming Service Bulletin No. 628A is a re-notification to owners and operators of the superseding and obsoleting of ASB 069 with ASB 076 for fuel pumps (Table 1) manufactured by Hartzell Engine Technologies.

Hartzell Engine Technologies' Alert Service Bulletin 076 dated January 28, 2019 superseded and obsoleted their prior ASB 069. With the new ASB obsoleting the former, compliance with Lycoming Service Bulletin No. 628A is required, even if compliance with the original SB628 has already been completed. Additionally, Lycoming has identified that certain engine deliveries and replacement fuel pump orders supplied after January 28, 2019 included fuel pumps affected by ASB 076.

Lycoming is requiring that all operators follow the Required Action, and HET ASB 076 to determine if their fuel pump is affected and still in-service or in spares inventory.

**Table 1**  
**Part Numbers for Affected HET Fuel Pump Series**

| HET Model                        | 200F Series | 201F Series |          | 202F Series |
|----------------------------------|-------------|-------------|----------|-------------|
| Corresponding<br>Lycoming<br>P/N | 62E23185    | 62D26030    | 62D26034 | 62E28150    |
|                                  | 62E23186    | 62D26031    | 62D26035 | 62E28151    |
|                                  | 62E23187    | 62D26032    | 62D26036 |             |
|                                  | 62E23188    | 62D26033    | 62D26037 |             |
|                                  | 62E23189    |             |          |             |
|                                  | 62E23190    |             |          |             |



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|  |          |  |  |  |
|--|----------|--|--|--|
|  | 62E23191 |  |  |  |
|--|----------|--|--|--|

### **Required Action**

1. Identify whether you have any of the affected HET fuel pump models in Table 1, installed on your Lycoming engine or in spares inventory.

**NOTICE:** If your fuel pump is not affected by the HET Bulletin, no further action is required.

2. Follow the instructions in the latest revision of HET Alert Service Bulletin No. 076 to determine if your fuel pump serial number is affected. Affected fuel pumps are to be repaired in the field using approved HET data per ASB 076; or by an approved HET Service Facility listed on page 3 of the Appendix to ASB 076. Do not send fuel pumps to Lycoming for repair. Doing so will cause unnecessary delays.

**NOTICE:** Repairing pumps in the field will require obtaining Repair Kit, P/N 79905 from HET (1 Kit per pump).

3. Refer to the latest revision of Lycoming Service Instruction No. 1484 for additional guidance when reinstalling rotary fuel pumps. Record any repair activity and compliance with this Service Bulletin in the engine maintenance records.

### **Warranty Consideration**

Lycoming recognizes that the Commercial Assistance Program offered by HET in the appendix to ASB 076 has expired. For compliance under Lycoming Service Bulletin No. 628A, Lycoming will accept warranty claims for the field repair of pumps or repair by an HET Service Facility as follows for each pump.

#### A. For Field Repair of Pump

1. Reimbursement for HET Repair Kit P/N 79905
2. One (1.0) hour labor to replace the fuel pump diaphragm.
3. Labor for removal and installation of fuel pump in accordance with the current revision of Lycoming's Labor Allowance Guidebook SSP-875

#### B. For HET Service Facility Repair of Pump

1. Reimbursement of Service Facility repair. Warranty Claim to Lycoming must include invoice from approved HET Service Facility.
2. Labor for removal and installation of fuel pump in accordance with the current revision of Lycoming's Labor Allowance Guidebook SSP-875

Only Standard Freight will be covered; no AOGs. Claims **must** include fuel pump serial number and engine serial number as applicable.

This warranty consideration by Lycoming is available for 12 months from the date of issue of SB 628A. Information is available online at [www.lycoming.com/warranty](http://www.lycoming.com/warranty). Contact an Authorized Lycoming Distributor for assistance in filing a warranty claim.

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**▲WARNING:** WARNING: REFER TO THE INTERNET LINK [HTTPS://FUELCRAFT.AERO/AIRCRAFT-FUEL-PUMPS-SUPPORT/SERVICE-INFORMATION/](https://fuelcraft.aero/aircraft-fuel-pumps-support/service-information/) TO BE SURE YOU HAVE THE LATEST VERSION OF HET'S ALERT SERVICE BULLETIN NO. 076. FAILURE TO COMPLY WITH THIS WARNING COULD CREATE AN UNSAFE CONDITION THAT CAN RESULT IN DEATH, SERIOUS BODILY INJURY, AND/OR PROPERTY DAMAGE. PROCEDURES IN HET'S BULLETIN MUST BE COMPLETED BY COMPETENT QUALIFIED PERSONNEL FAMILIAR WITH THE SUBJECT ENGINES AND ASSOCIATED AIRFRAMES, SPECIFICALLY THE ENGINE FUEL SYSTEM. FAILURE TO DO SO COULD RESULT IN ECONOMIC LOSS, EQUIPMENT DAMAGE, AND/OR PHYSICAL INJURY. USE ALL APPLICABLE LYCOMING ENGINES' MAINTENANCE MANUALS AND/OR SERVICE DOCUMENTS IN CONJUNCTION WITH THIS HET BULLETIN AND THE APPLICABLE AIRFRAME MAINTENANCE MANUAL AND PILOT'S OPERATING HANDBOOK

**Hartzell Engine Technologies Alert Service Bulletin No. 076 dated January 28, 2019 is reprinted in its entirety as follows and is current at the time Lycoming Service Bulletin No. 628A is issued. However, compliance with this Service Bulletin is to be in accordance with the latest revision of the Hartzell Engine Technologies Service Bulletin ASB 076.**

If you have any questions, contact Lycoming Technical Support by phone at 570-327-7222 or 877-839-7878 or by email to [Technicalsupport@lycoming.com](mailto:Technicalsupport@lycoming.com).

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# Alert Service Bulletin

## Alert Service Bulletin No. 076

### 200F, 201F, 202F Fuel Pump Leak Inspection and Diaphragm Replacement

#### 1. Planning Information

##### A. Effectivity

- (1) Fuelcraft 200F, 201F, 202F Series Fuel Pumps manufactured by Hartzell Engine Technologies LLC (HET) with P/N 063F-0001 diaphragm used in all part number fuel pumps.
  - (a) Fuel pump serial numbers H-QBN029FP, H-QEN146FP, H-QEN147FP, H-QEN148FP, H-SCN031FP, and H-SGN069FP through H-VFN043FP with diaphragm cure date of 04/17 or earlier are affected by this Alert Service Bulletin (ASB).
  - (b) Affected HET P/N 063F-0001 diaphragms in inventory, or any 200F, 201F, 202F Series Fuel Pump that has been installed and placed in service with an affected diaphragm from August 14, 2015 until the effective date of this ASB, with a diaphragm cure date of 04/17, or earlier, are affected by this ASB.
  - (c) Engine applications may include, but are not limited to, those listed in Table 2.

**NOTE:** Table 2 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 fuel pump may be installed.

**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.FUELCRAFT.AERO](http://WWW.FUELCRAFT.AERO) FOR THE MOST RECENT REVISION LEVEL OF THIS ALERT SERVICE BULLETIN.

##### B. Concurrent Requirements

- (1) None

##### C. Reason

- (1) This ASB provides supersedure notice of ASB 069 dated January 25/17.
  - (a) Upon release date of this ASB, ASB 069 shall become obsolete.
- (2) Fuel leakage through the fuel pump diaphragm has been observed. This condition may be due to a manufacturing condition allowing the diaphragm to crack or tear.
- (3) Replacement of the diaphragm is required for affected 200F, 201F, 202F series fuel pump.
- (4) Regulatory action is unknown.

##### D. Description

- (1) This Alert Service Bulletin provides Instructions for Continued Airworthiness (ICA).

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## Alert Service Bulletin No. 076

### 200F, 201F, 202F Fuel Pump Leak Inspection and Diaphragm Replacement

- (2) This Alert Service Bulletin provides instructions for repair of an affected fuel pump by installation of a new HET P/N 063F-0001 diaphragm or the replacement of the fuel pump with one not affected by this ASB.

#### E. Compliance

**NOTE:** Compliance with this ASB is required even if ASB 069 was previously complied with.

- (1) Within twenty-five (25) hours time in service or at the next regularly scheduled inspection, whichever occurs first, inspect the affected fuel pump reference vent port for fuel leakage in accordance with the Accomplishment Instructions of this Alert Service Bulletin.
- (a) If fuel leakage at the fuel pump reference port **is** found, refer to Option 1 or Option 2:
- 1) **Option 1:** The affected fuel pump must be repaired by installation of a new diaphragm prior to next flight. Refer to Table 1 of this ASB for materials required.
  - 2) **Option 2:** The affected fuel pump must be replaced with one not affected by this ASB prior to next flight.
- (b) If fuel leakage at the fuel pump reference port **is not** found:
- 1) Repeat inspection each twenty-five (25) hours time-in-service thereafter, not to exceed twelve (12) calendar months from the effective date of this ASB or until the affected fuel pump can be repaired or replaced with a fuel pump not affected by this Alert Service Bulletin.
    - a) The affected fuel pump must be replaced no later than twelve (12) months after release of this ASB, regardless of findings.
- (2) Repair or replacement of an affected fuel pump in accordance with the 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 one and a half (1.5) hours labor required for removal and installation of the fuel pump.
- (3) Up to one (1.0) hour labor is required for replacement of the pump diaphragm and Return to Service if performed in conjunction with regularly scheduled maintenance.

#### H. References

- (1) Applicable aircraft POH or AFM.
- (2) Aircraft maintenance manual (as applicable).
- (3) Engine Service Instructions or maintenance manual (as applicable).
- (4) HET Fuel Pump Overhaul Manual, P/N 200201-0000 Rev. H or latest FAA approved revision.

#### I. Other Publications Affected

- (1) None

#### J. Weight and Balance

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### 200F, 201F, 202F Fuel Pump Leak Inspection and Diaphragm Replacement

(1) No Change

#### 2. Material Required

A. If replacing the fuel pump:

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

B. If repairing the fuel pump:

(1) Repair Kit P/N 79905 may be obtained by filling out the Claim Form at the end of this document.

| Part Number | Description       | QTY. |
|-------------|-------------------|------|
| NAS135C3H20 | Screw, Cap        | 4    |
| 063F-0001   | Diaphragm         | 1    |
| 065F-0003   | Washer, .315 Flat | 4    |

**Table - 1 - Repair Kit P/N 79905 Parts List**

(2) Appropriate length of 0.032 inch stainless steel safety wire.

(a) Optional use: Two (2) each, Safe-T-Cable™, HET P/N RX-1961.

#### 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 ENGINE 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, ENGINE AND/OR THE HET P/N 200201-0000 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 FUEL CRAFT WEBSITE (WWW.FUELCRAFT.AERO) FOR THE MOST RECENT REVISION OF THE 200201-0000 MANUAL.

**CAUTION 2:** DO NOT DEPEND ON THIS ALERT SERVICE BULLETIN FOR GAINING ACCESS TO THE ENGINE OR FUEL PUMP. 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, serial number, and cure date can be made through the engine or 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) Identify any 200F, 201F, 202F Series Fuel Pump that has an affected HET P/N 063F-0001 diaphragm which was field installed from August 14, 2015 to the effective date of this ASB through the engine or aircraft

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### 200F, 201F, 202F Fuel Pump Leak Inspection and Diaphragm Replacement

documentation. If the fuel pump is affected per 1.A(1)b, continue to 3.B., Inspection.

- (a) If records do not indicate that an affected HET P/N 063F-0001 diaphragm was field installed, the fuel pump is NOT affected and no further action is required. Continue to 3.E.(2), Maintenance Record.
- (3) If positive identification cannot be made through engine or aircraft documentation, gain access and locate the data tag on the fuel pump to verify the fuel pump effectivity.
  - (a) If the unit IS affected, proceed to section 3.B., Inspection.
  - (b) If the unit is NOT affected, install any components that were removed to gain access in accordance with the latest engine/airframe service instructions or maintenance manual. Continue to 3.E.(2), Maintenance Record.

#### B. Fuel Pump Reference Vent Port Inspection

**NOTE:** Some engine applications will have a cooling shroud installed over the fuel pump. It may be necessary to remove this shroud for initial identification and for recurring inspection.

- (1) The HET series fuel pumps use the reference vent port in several ways. The port may have an orifice plug installed, a fitting for an upper deck reference line, or a fitting to connect to the engine turbocharger reference.
  - (a) Inspection of the orifice plug requires only a visual inspection. Look around the plug and into the orifice for fuel or blue dye stains. Refer to Fig. 1 or Fig. 2.
  - (b) Inspection of the upper deck reference line requires that the line be disconnected and the inside of the fitting be inspected for fuel or blue dye stains. Refer to Fig. 5 and 6.
  - (c) Inspection of the engine turbocharger reference line will require that the "B" nut be removed and the inside of the fitting be inspected for fuel or blue dye stains.
- (2) Inspection for fuel or blue dye stains may require use of a "Q" tip cotton swab or similar device to check for the presence of fuel or blue dye.
- (3) If fuel or blue dye stains ARE NOT found:
  - (a) Continue inspection interval in accordance with 1.E.(1)(b), Compliance, or; continue to 3.C., Corrective Action.
  - (b) Reassemble the connection for the upper deck reference or the engine turbocharger reference lines.
  - (c) If removed, reinstall the fuel pump cooling shroud and air hose (if applicable) in accordance with the latest engine/airframe service instructions or maintenance manual and continue to 3.D.(1), Return to Service. Refer to Fig. 4.
- (4) If fuel or blue dye stains ARE found, continue to 3.C., Corrective Action.

#### C. Corrective Action - Choose (1), (2), or (3):

- (1) Fuel Pump Factory Repair
  - (a) Remove cooling shroud (if required) and fuel pump from engine in accordance with engine and airframe service instructions. Retain all engine or aircraft supplied fittings from the fuel pump prior to return. **(HET CANNOT RETURN FITTINGS TO THE CUSTOMER.)**
  - (b) Forward the affected fuel pump to the HET factory per the instructions contained in Appendix I-Commercial Assistance found at the end of this Alert Service Bulletin.

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### 200F, 201F, 202F Fuel Pump Leak Inspection and Diaphragm Replacement

- (c) Install the repaired fuel pump on the engine along with the cooling shroud (if required) in accordance with current engine/airframe service instructions or maintenance manual and continue to 3.D.(1), Return to Service.
- (2) Fuel Pump Field Repair:

**NOTE 1:** Refer to the HET overhaul manual P/N 200201-0000 Rev. H or latest FAA approved revision for the following steps necessary to replace the diaphragm in the applicable model and part number fuel pump.

**NOTE 2:** Fuel Pump P/N 200F-5006 (Lycoming P/N 62E23190) and P/N 200F-5007 (Lycoming P/N 62E23191-Y) are not listed in the current overhaul manual, however, the HET overhaul manual P/N 200201-0000 Rev. H or later FAA approved revision may be used along with these instructions.

- (a) Remove cooling shroud (if required) and fuel pump from engine in accordance with engine and airframe service instructions.
- (b) Disassemble the applicable fuel pump in accordance with Section 3 of HET P/N 200201-0000 manual as appropriate for the applicable part number and model. Use only those sections required to replace the diaphragm.
- (c) Replace the existing HET P/N 063F-0001 diaphragm with a new diaphragm not affected by this ASB.
- (d) Assemble the fuel pump in accordance with Section 7 of the HET 200201-0000 overhaul manual as appropriate to the model number. Use only those sections required to install the diaphragm. Diaphragm replacement instruction applies to the fuel pump model but is not part number specific.
- (e) Install the four new flat washers HET P/N 065F-0003 and the four new cap screws HET P/N NAS1352C3H20. Torque screws in accordance with HET 200201-0000 Overhaul Manual.
- (f) Test and adjust the applicable fuel pump in accordance with Section 2 of the HET P/N 200201-0000 overhaul manual as appropriate for the applicable part number and model. Use only those sections required to test the fuel pump and adjust the relief valve.

1) For the 200F Fuel Pump P/N 200F-5006 (62E23190) and P/N 200F-5007 (62E23191-Y), the Relief Valve Setting data is shown in the following table:

| Model No. | Application           | Direction of Rotation | Inlet Pressure (in. HgA) | Speed (rpm) | Flow (pph) | Discharge Pressure (psig) |
|-----------|-----------------------|-----------------------|--------------------------|-------------|------------|---------------------------|
| 200F-5006 | Lycoming (62E23190)   | CW                    | 26 In. HgA               | 2500 +/-50  | 265 +/-5   | 25 - 40 *                 |
| -         | -                     | -                     | 28 In. HgA               | 650 +/-10   | 265 +/-5   | 25 +/-1 *                 |
| 200F-5007 | Lycoming (62E23191-Y) | CCW                   | 26 In. HgA               | 2575 +/-50  | 260 +/-5   | 65 +/-1 *                 |
| -         | -                     | -                     | 28 In. HgA               | 650 +/-10   | 9 MIN      | 36 +/-1 *                 |

\* Relief valve setting requires that two set points be achieved.

- (g) Install 0.032 inch stainless steel safety wire or optional Safe-T-Cable™, HET P/N RX-1961 at the head of the cap screws. Tool requirements and Installation for Safe-T-Cable™ may be found at <http://www.dmctools.com>.
- (h) Reinstall the fuel pump and fuel pump cooling shroud with air hose, if removed, in accordance with current engine/airframe maintenance manual or service instructions.

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- (3) Fuel Pump Replacement
  - (a) Replace the fuel pump with one not affected by this ASB in accordance with the engine and airframe service instructions and continue to 3.D.(1), Return to Service.

#### D. Return to Service

- (1) Perform the recommended fuel pump/fuel system set up and functional tests in accordance with the appropriate aircraft maintenance manual, engine service instructions, and operational tests in the AFM or POH.
- (2) Inspect the fuel pump installation for security and leaks.

#### E. Maintenance Record

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

#### 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@HartzellEngineTech.com](mailto:techsupport@HartzellEngineTech.com).
- (4) Address

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

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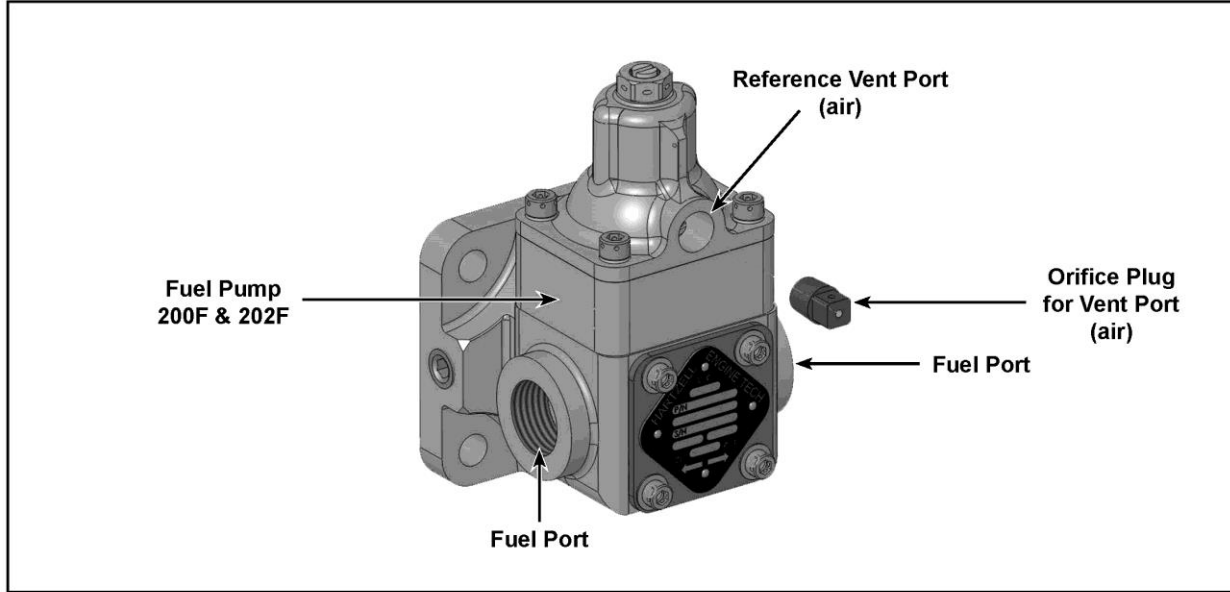


Figure 1 - 200F & 202F Identification

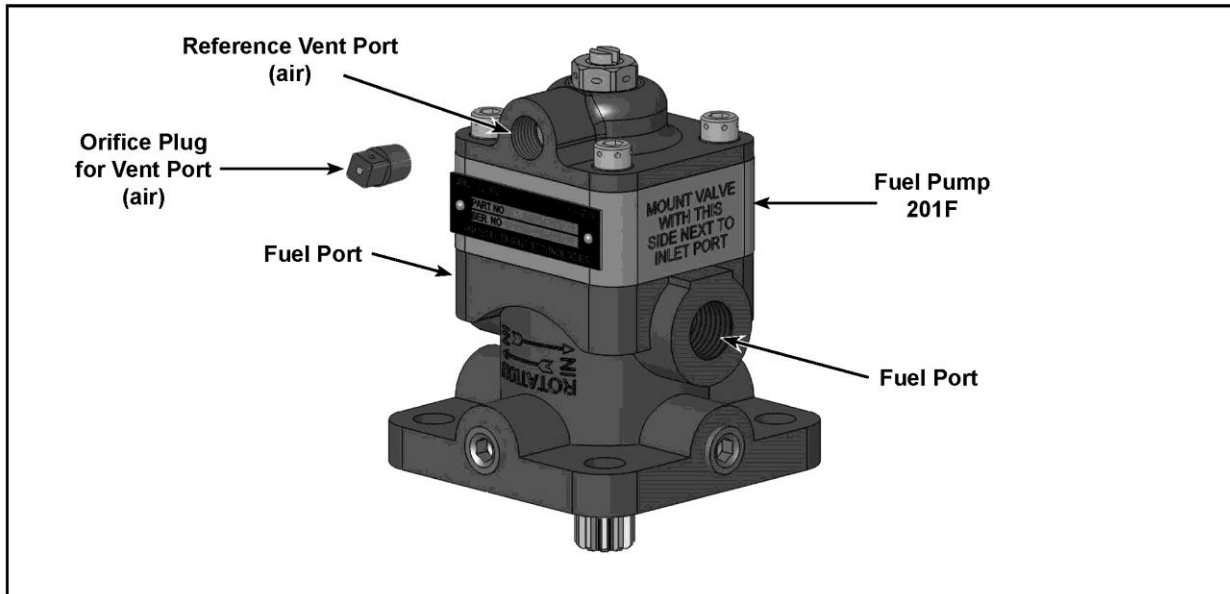


Figure 2 - 201F Identification

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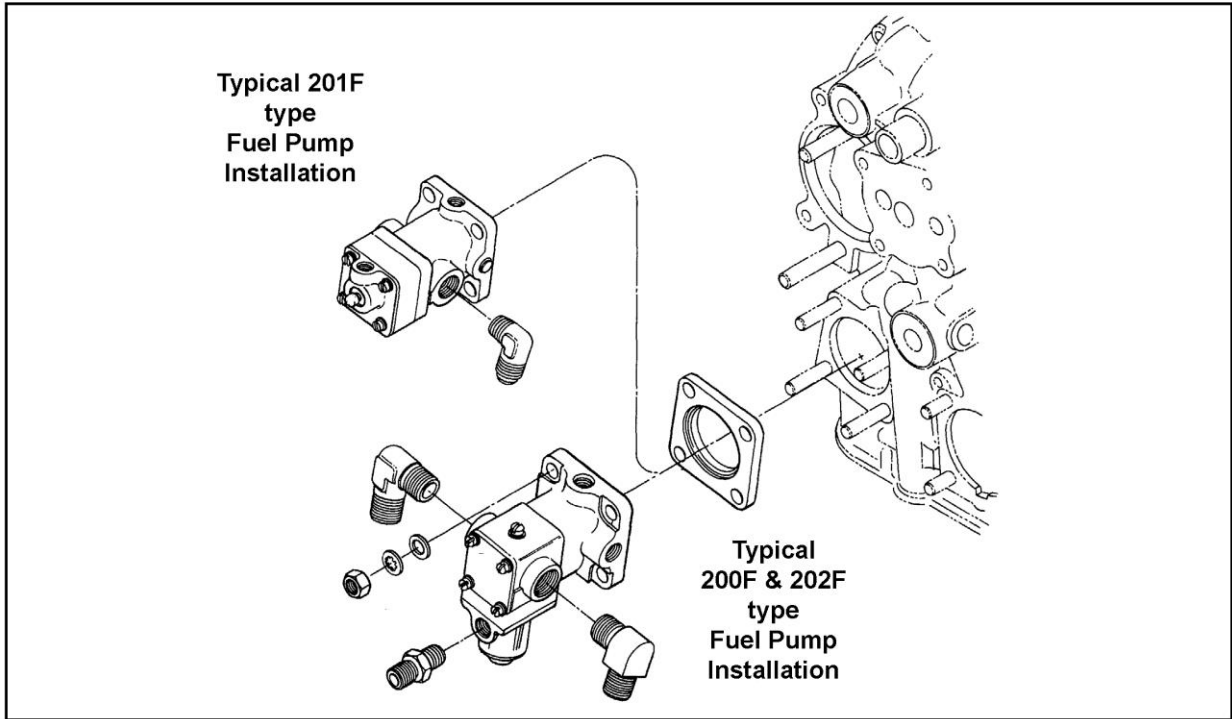


Figure 3 - Typical HET Series Fuel Pumps

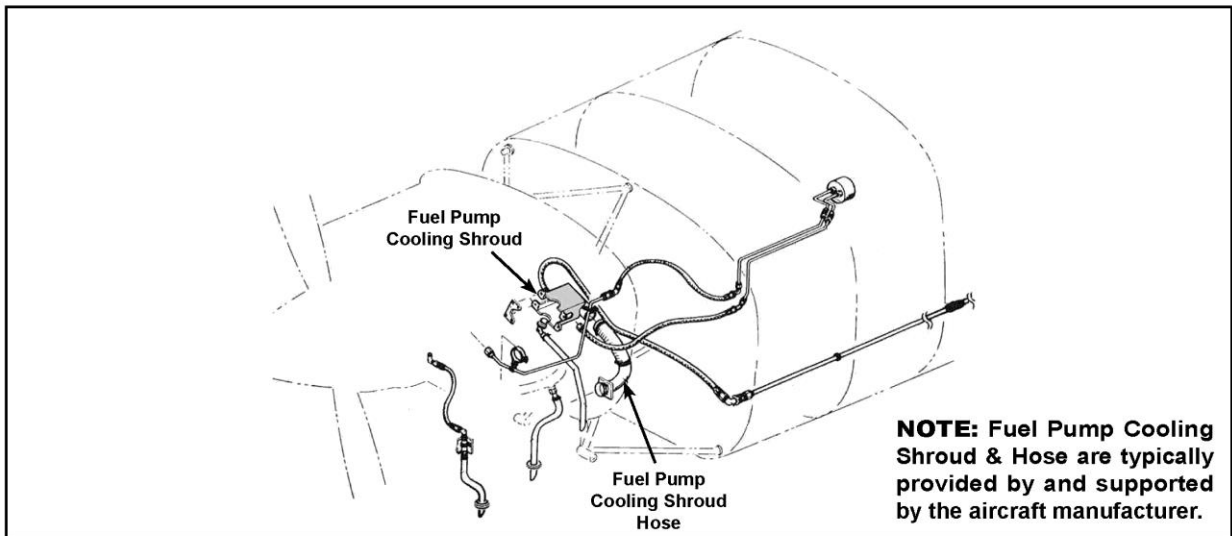


Figure 4 - Typical Cooling Shroud Installation

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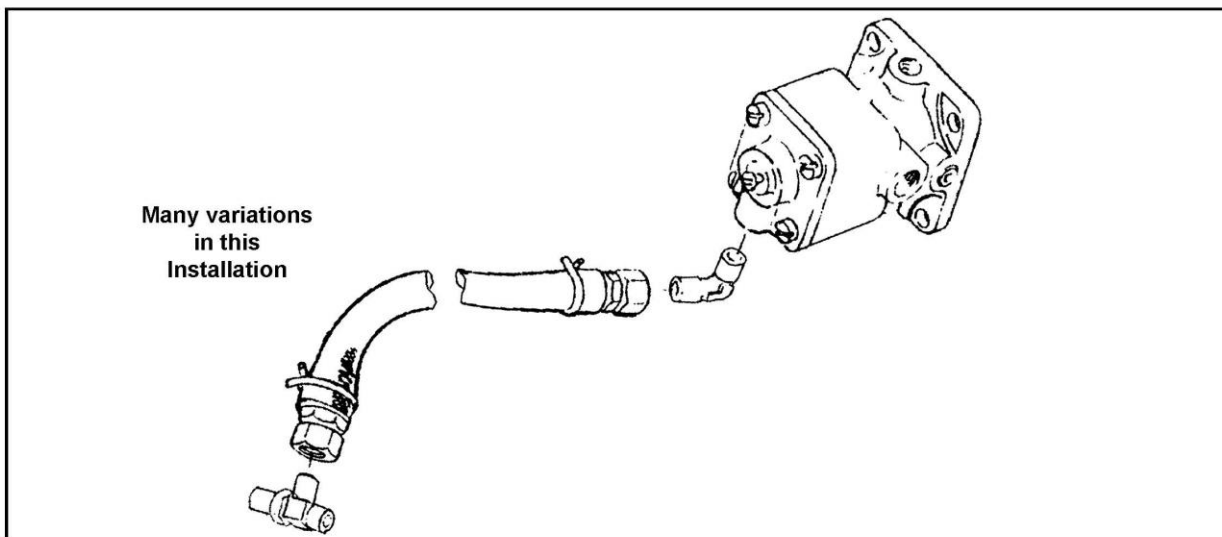


Figure 5 - Typical HET 201F Fuel Pump Plumbed to Upper Deck Reference

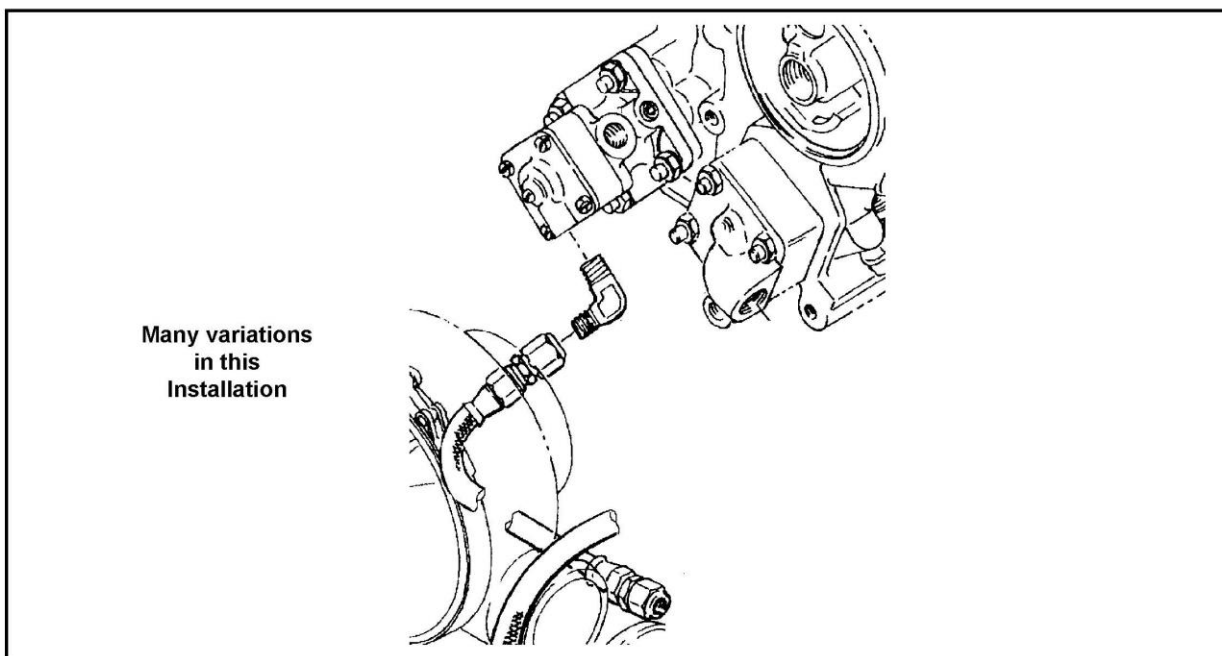


Figure 6 - Typical HET 201F Fuel Pump Turbocharger Reference Line Connection

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# Alert Service Bulletin

## Alert Service Bulletin No. 076

### 200F, 201F, 202F Fuel Pump Leak Inspection and Diaphragm Replacement

Table 2 - Engine Application & Cross Reference\*

| Part Number<br>HET Fuel Pump   | Part Number<br>Lycoming<br>(Ref. Only) | Lycoming Engine Installation<br>Eligibility  |
|--|--|--|
| 200F-5001  | 62E23185                               | GO-435; GO-435-C2; GO-435-C2A;<br>GO-435-C2A2; GO-435-C2B;<br>GO-435-C2B1; GO-435-C2B2;<br>GO-435-C2C; GO-435-C2D;<br>GO-435-C2E; GO-435-D1;<br>GO-480; GO-480-A1A; GO-480-B;<br>GO-480-B1; GO-480-B1A6;<br>GO-480-B1D; GO-480-C1D6;<br>GO-480-C2C6; GO-480-C2D6;<br>GO-480-C2E6; GO-480-C3A6;<br>GO-480-E1A6; GO-480-F6;<br>GO-480-F1A6; GO-480-F2A6;<br>GO-480-F2D6; GO-480-F3A6;<br>GO-480-F3B6; GO-480-F4A6;<br>GO-480-F4B6; GO-480-G1A6;<br>GO-480-G1D6; GO-480-G1H6;<br>GO-480-G1J6; GO-480-G2D6;<br>GO-480-G2F6 |
| 200F-5002  | 62E23186                               | IO-540-K1E5; IO-720-A1A;<br>IO-720-A1B; IO-720-B1B;<br>IO-720-C1B; IO-720-D1B;<br>LTIO-540-F2BD; LTIO-540-J2BD;<br>TIGO-541-D1A; TIGO-541-D1B;<br>TIGO-541-E1A; TIO-360-A3B6;<br>TIO-540-A1A; TIO-540-A1B;<br>TIO-540-A2A; TIO-540-A2B;<br>TIO-540-A2C; TIO-540-AE2A;<br>TIO-540-J2B; TIO-540-U2A  |
| 200F-5003  | 62E23188                               | TIO-540-AB1AD; TIO-540-AA1AD;<br>LTIO-540-U2A; LTIO-540-J2B  |
| 200F-5004  | 62E23187                               | IO-540-K1F5D; LTIO-540-W2A;<br>TIO-540-F2BD; TIO-540-J2BD;<br>TIO-540-N2BD; TIO-540-R2AD;<br>TIO-540-T2AD; TIO-540-V2AD  |
| 200F-5005  | 62E23189                               | IO-720-A1B; LTIO-540-V2AD;<br>TIO-540-W2A; TIO-540-AH1A;<br>TIO-540-AJ1A   |
| * The information in Table 2 is provided for reference only. The applicable engine manufacturer's Type Certification information should be consulted as the official source. |  |  |

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### 200F, 201F, 202F Fuel Pump Leak Inspection and Diaphragm Replacement

Table 2 (cont'd) - Engine Application & Cross Reference\*

| Part Number<br>HET Fuel Pump   | Part Number<br>Lycoming<br>(Ref. Only) | Lycoming Engine Installation<br>Eligibility  |
|--|--|--|
| 201F-5001  | 62D26030                               | IO-540-G1B5; IO-540-G1D5;<br>IO-540-J4A5; IO-540-R1A5;<br>IO-720-A1A; IO-720-A1B   |
| 201F-5002  | 62D26031                               | IO-720-A1A; IO-720-A1B   |
| 201F-5003  | 62D26032                               | IO-540-G1C5; IO-540-K1A5;<br>IO-540-K1B5; IO-540-K1F5;<br>IO-320-CIA; IO-320-F1A   |
| 201F-5004  | 62D26033                               | IO-360-A1B; TIO-360-A1B  |
| 201F-5005  | 62D26034                               | IO-540-A1A5; IO-540-G1B5;<br>O-540-G1D5; IO-540-K1C5;<br>IO-540-K1D5; IO-540-K1F5;<br>IO-540-L1A5; IO-540-P1A5;<br>IO-360-B1D; TIO-540-A2B;<br>TIO-540-C1A; TIO-540-E1A;<br>TIO-540-G1A; TIO-540-H1A |
| 201F-5006  | 62D26035                               | IO-540-K1A5D; TIO-540-AA1AD;<br>LIO-320-C1A  |
| 201F-5007  | 62D26036                               | IO-540-M2A5D; TIO-540-AA1AD;<br>TIO-540-AB1AD  |
| 201F-5008  | 62D26037                               | TIO-540-AF1A; TIO-540-AF1B   |
| 202F-1001  | 62E22586                               | AEIO-540-D4D5  |
|  | Beechcraft P/N 50-389141-1             | 56TC; A56TC;60; A60; B60   |
| 202F-1002  | 62E22585 / LW-19012                    | TIO-540-S1AD   |
| * The information in Table 2 is provided for reference only. The applicable engine manufacturer's Type Certification information should be consulted as the official source. |  |  |

**NOTE:** 200F Fuel Pump P/N 200F-5006 (Lycoming P/N 62E23190) and P/N 200F-5007 (Lycoming P/N 62E23191-Y) are a Lycoming installation. Application information for these fuel pumps must be obtained from Lycoming.

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# Alert Service Bulletin Appendix

## Alert Service Bulletin No. 076

### 200F, 201F, 202F Fuel Pump Leak Inspection and Diaphragm Replacement

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#### 1. ELIGIBILITY:

- A. Fuelcraft 200F, 201F, 202F Series Fuel Pumps manufactured by Hartzell Engine Technologies LLC (HET) with P/N 063F-0001 diaphragm used in all part number fuel pumps.
- (1) Fuel pump serial numbers H-QBN029FP, H-QEN146FP, H-QEN147FP, H-QEN148FP, H-SCN031FP, and H-SGN069FP through H-VFN043FP with diaphragm cure date of 04/17 or earlier.
  - (2) Affected HET P/N 063F-0001 diaphragms in inventory, or any 200F, 201F, 202F Series Fuel Pump that has been installed and placed in service with an affected diaphragm from August 14, 2015 until the effective date of this ASB, with a diaphragm cure date of 04/17, or earlier.

#### 2. COMMERCIAL ASSISTANCE PROGRAM:

The following will be provided with the submission of a completed ASB 076 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. 076.**

##### A. Initial Inspection

- (1) One half (0.5) hour labor to gain access to the pump and perform inspection paid at a shop rate of up to \$75 per hour.

##### B. Pump Repair or Replacement

- (1) For field replacement of the diaphragm in an eligible fuel pump (refer to Appendix section 6 for a listing of potential service facilities), HET will provide:
  - (a) Materials Required can be found in ASB 076 section 2.
    - 1) Contact HET Product Support for Kit availability.
  - (b) Labor for Corrective Action for affected fuel pumps will be paid at a shop rate of \$75 per hour up to the amount specified below:
    - 1) One (1.0) hour labor to replace the fuel pump diaphragm.
    - 2) 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.

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# Alert Service Bulletin Appendix

## Alert Service Bulletin No. 076

### 200F, 201F, 202F Fuel Pump Leak Inspection and Diaphragm Replacement

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#### 3. COMMERCIAL ASSISTANCE ADMINISTRATION:

- A. Complete the Alert Service Bulletin ASB 076 Claim Form attached to this appendix.
  - (1) Mail, e-mail, or fax the ASB 076 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.A and 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 repair and removal/reinstallation 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 076 Claim Form for reimbursement.

#### 4. WARRANTY STATEMENT:

- A. The sole warranty for the actions of ASB 076 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 076 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 076.
  - (1) Phone +1.334.386.5400 (Option 2)
  - (2) Fax +1.334.386.5450.
  - (3) E-mail at [techsupport@HartzellEngineTech.com](mailto:techsupport@HartzellEngineTech.com).
  - (4) Address
    - Hartzell Engine Technologies LLC
    - 2900 Selma Highway,
    - Montgomery, AL 36108
    - USA

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# Alert Service Bulletin Appendix

## Alert Service Bulletin No. 076

### 200F, 201F, 202F Fuel Pump Leak Inspection and Diaphragm Replacement

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#### 1. SERVICE FACILITIES:

- A. The following service facilities have the capability of servicing the HET P/N 200F, 201F, and 202F fuel pumps and may provide a method of compliance with this Alert Service Bulletin.

**Aero Recip**

540 Marjorie Street  
Winnipeg, Manitoba R3H 0S9  
CANADA  
Phone: +1.800.561.5541  
Email: info@aerorecip.com

**Aircraft Accessories of Oklahoma**

2740 N. Sheridan Rd.  
Tulsa, Oklahoma 74115  
Phone: 800.255.9924  
Email: airacc1@airacc.com

**AMETEK B&S Aircraft Parts & Accessories**

1414 South Mosley  
Wichita, KS 67211  
Phone: +1.316.264.2397  
Web Site: www.bsaircraft.com  
Email: sales.bsaircraft@ametek.com

**Nicholson McLaren**

12 Ivanhoe Road  
Hogwood Industrial Estate  
WOKINGHAM Berkshire RG40 4QQ  
United Kingdom  
Phone: +44.(0)118.973.8000  
Email: aviation.sales@n-mclaren.co.uk

**Professional Aircraft Accessories, Inc.**

14 East Main Street  
Amelia, OH 45102  
Phone: +1.513.732.3361  
Fax: +1.513.752.1332  
Email: mlg188@aol.com

**Quality Aircraft Accessories, Inc.**

5746 Apache St.  
Tulsa, OK 74115  
Phone: 877.833.6948  
Email: sales@qaa.com

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# Alert Service Bulletin Appendix

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200F, 201F, 202F Fuel Pump Leak Inspection and Diaphragm Replacement

### ASB 076 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: \_\_\_\_\_ Part Number: \_\_\_\_\_  
Serial Number: \_\_\_\_\_ (Fuel Pump) Date Removed: \_\_\_\_\_  
Part Time in Service: \_\_\_\_\_ (Fuel Pump) Original Date Installed: \_\_\_\_\_

#### For RMA Number

Send this ASB 069 Claim Form to:

Hartzell Engine Technologies Product Support  
Fax: +1.334.386.5450  
E-mail: techsupport@hartzellenginetech.com

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

#### RMA Number:

|  |
|--|
|  |
|--|

(write in HET assigned RMA number)

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

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