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MANDATORY

SERVICE BULLETIN

DATE: November 12, 2026

Service Bulletin No. 671B
(Supersedes Service Bulletin No. 671A)
Engineering Aspects are FAA Approved

SUBJECT: Fuel Pump Leak Inspection and Diaphragm Replacement, Hartzell Engine Tech (HET) Alert Service Bulletin No.233

MODELS AFFECTED: All Lycoming engines using AN style fuel pumps manufactured by HET with P/N 063F-0001 diaphragms with a cure date of 02/25 through 02/26

TIME OF COMPLIANCE: Before next flight

REASON FOR REVISION: Revised language in Required Action. Added Tables 2, 3, and 4. Revised Tables 2, 3, and 4. Added Table 5. Updated HET Alert Service Bulletin to Revision A

This Service Bulletin provides Instruction for Continued Airworthiness (ICA).

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.

This Mandatory Service Bulletin (MSB) transmits HET Alert Service Bulletin No. 233 to ensure that owners, operators, and maintenance providers of Lycoming engines are aware of the necessity to inspect and replace affected Fuel Pump Diaphragms.

Parts affected by this Service Bulletin include HET P/N 063F-0001 diaphragms in inventory or installed in Fuel Pumps with a cure date of 02/25 through 02/26. Affected Fuel Pumps contain Serial Numbers H-CEN001FP through H-DFN010FP. Table 1 in HET Alert Service Bulletin No. 233 lists affected HET Fuel Pump P/N's. Affected Lycoming P/N's are listed below in Table 1.

Table 1 Fuel Pump Part Numbers

Lycoming Part Number	HET Part Number	Lycoming Part Number	HET Part Number
62E23186	200F-5002	62D26035	201F-5006
62E23188	200F-5003	62D26037	201F-5008
62E23187	200F-5004	62E28150	202F-1002
62E23189	200F-5005	62E28152	202F-1003
62E23191	200F-5007	62E28153-Y	202F-1004
62D26032	201F-5003	62F26562 *	200F-5007
62D26034	201F-5005		

* 62F26562 is a Lycoming Fuel Pump Assembly using the 200F-5007-847 fuel pump with additional parts.

Lycoming is requiring that all operators follow the Required Action below to determine if their installed Fuel Pump Diaphragms must be replaced.

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Required Action

1. Identify if your engine was shipped from Lycoming with an affected Fuel Pump Diaphragm installed based on the engine serial numbers listed in Table 2.
2. Identify if you have an affected spare fuel pump shipped from Lycoming based on the fuel pump serial numbers listed in Table 3.
3. Engine and fuel pump serial numbers listed in Table 4 were reworked and are no longer affected by HET Alert Service Bulletin No. 233 and are excluded from the list of affected engines in this Service Bulletin.
4. If affected, inspect and comply in accordance with HET ASB No. 233.
5. Removal and reinstallation of the Fuel Pump Diaphragms (if required) must be performed in accordance with the appropriate engine maintenance manual, overhaul manual, or applicable Instructions for Continued Airworthiness (ICA).
6. Record any repair activity and compliance with this MSB in the engine maintenance records.

Table 2 Affected Engine Serial Numbers

HIO-360-F1AD					
L-40954-51A	L-41315-51A	L-41380-51A			
TIO-360-C1A6D					
RL-278-64A					
AEIO-540-L1B5					
L-39149-48E	L-39150-48E	L-39151-48E	L-39253-48E	L-39255-48E	L-39256-48E
IO-540-M1A5					
RL-22742-48E	RL-28209-48E	RL-33048-48E	RL-35854-48E		
TEO-540-C1A					
L-140-84A	L-287-84A	RL-203-84A	RL-219-84A	RL-256-84A	RL-290-84A
L-177-84A	L-288-84A	RL-216-84A	RL-237-84A	RL-289-84A	RL-291-84A
L-188-84A	RL-145-84A	RL-218-84A	RL-239-84A		
TIO-540-A2C					
RL-11255-61A					
TIO-540-AE2A					
L-14994-61A	L-15021-61A	L-15025-61A	RL-6651-61A	RL-11402-61A	L-15029-61A
L-14995-61A	L-15022-61A	RL-4351-61A	RL-11298-61A	RL-11412-61A	
TIO-540-AH1A					
L-14981-61A	RL-6775-61A	RL-11001-61A	RL-11230-61A	RL-11450-61A	

Table 2 Affected Engine Serial Numbers (Cont.)

TIO-540-AJ1A					
L-15002-61E	L-15028-61E	L-15031-61E	L-15034-61E	L-15036-61E	RL-11467-61E
L-15017-61E	L-15030-61E	L-15032-61E	L-15035-61E	RL-10844-61E	
TIO-540-AK1A					
L-14959-61A	L-14991-61A	L-15001-61A	L-15010-61A	L-15027-61A	RL-10787-61A
L-14967-61A	L-14992-61A	L-15004-61A	L-15012-61A	L-15037-61A	RL-11564-61A
L-14982-61A	L-15000-61A	L-15005-61A	L-15019-61A	RL-10667-61A	RL-12200-61A
L-14989-61A					
TIO-540-J2B					
L-11016-61A	L-12088-61A	L-15033-61A	RL-11198-61A		
YIO-540-EXP255					
EL-39231-48E					
YIO-540-EXP378					
EL-39272-48E					
YIO-540-EXP382					
EL-39226-48E					
YIO-540-EXP415					
EL-39271-48E					
YIO-540-EXP420					
EL-39227-48E					
YIO-540-EXP425					
EL-39322-48E					
AEIO-580-B1A					
L-863-79E	L-869-79E	L-875-79E	L-879-79E	L-882-79E	L-885-79E
L-864-79E	L-871-79E	L-876-79E	L-880-79E	L-883-79E	RL-810-79E
L-866-79E	L-872-79E	L-877-79E	L-881-79E	L-884-79E	RL-811-79E
L-867-79E	L-873-79E	L-878-79E			
YIO-580-B1A					
EL-870-79E					
YIO-580-EXP413					
EL-865-79E	EL-868-79E	EL-874-79E			

Table 3 Affected Spare Fuel Pump Serial Numbers

Fuel Pump S/N	Fuel Pump P/N	Fuel Pump S/N	Fuel Pump P/N
H-CHN048FP	62E23186	H-CJN064FP	62F26562
H-CIN007FP	62F26562	H-CJN065FP	62F26562
H-CIN008FP	62F26562	H-CJN070FP	62F26562
H-CIN011FP	62D26035	H-CJN071FP	62F26562
H-CJN044FP	62F26562	H-CKN013FP	62F26562
H-CJN045FP	62F26562	H-CKN017FP	62F26562
H-CJN046FP	62F26562	H-CKN018FP	62F26562
H-CJN048FP	62F26562	H-CKN024FP	62F26562
H-CJN054FP	62F26562	H-CKN025FP	62F26562
H-CJN056FP	62F26562	H-CKN026FP	62F26562
H-CJN057FP	62F26562	H-CKN031FP	62E23186
H-CJN058FP	62F26562	H-CLN015FP	62E23186
H-CJN062FP	62F26562	H-DAN017FP	62E28152
H-CJN063FP	62F26562	H-DAN023FP	62E28152

Table 4 Unaffected Reworked Fuel Pump Serial Numbers

Fuel Pump S/N	Engine Serial Number	Fuel Pump S/N	Engine Serial Number
H-CHN037FP	L-39254-48E	H-CKN039FP	RL-1142-68A
H-CJN024FP	RL-2831-48E	H-CLN016FP	RL-28153-48E
H-CKN037FP	L-15038-61A	H-CLN026FP	RL-12361-61A
H-CKN038FP	L-886-79E	H-DAN018FP	RL-12329-61E

Table 5 Unaffected Reworked Fuel Pump Serial Numbers Shipped as Spares

Fuel Pump S/N	Fuel Pump P/N	Fuel Pump S/N	Fuel Pump P/N
H-CKN035FP	62E23186	H-DEN003FP	62E23186
H-CKN036FP	62E23186	H-DEN004FP	62E23186
H-CLN013FP	62E23186	H-DEN005FP	62E23186
H-CLN034FP	62E23186	H-DEN006FP	62E23186
H-CLN037FP	62E23186	H-DEN007FP	62E23186
H-CLN038FP	62E23186	H-DEN008FP	62E23186
H-DCN021FP	62E23186	H-DEN009FP	62E23186
H-DCN022FP	62E23186	H-DEN010FP	62E23186
H-DCN044FP	62E23186	H-DEN011FP	62E23186
H-DCN045FP	62E23186	H-DEN012FP	62E23186
H-DCN046FP	62E23186	H-DEN013FP	62E23186
H-DCN047FP	62E23186	H-DEN014FP	62E23186
H-DDN011FP	62E23186	H-DEN015FP	62E23186
H-DDN012FP	62E23186	H-DEN016FP	62E23186
H-DDN013FP	62E23186	H-DEN017FP	62E23186
H-DDN014FP	62E23186	H-DEN018FP	62E23186

Table 5 Unaffected Reworked Fuel Pump Serial Numbers Shipped as Spares (Cont.)

Fuel Pump S/N	Fuel Pump P/N	Fuel Pump S/N	Fuel Pump P/N
H-DEN019FP	62E23186	H-DEN044FP	62E23191
H-DEN020FP	62E23186	H-DEN045FP	62E23191
H-DEN021FP	62E23186	H-DEN046FP	62E23191
H-DEN022FP	62E23186	H-DEN047FP	62E23191
H-DEN023FP	62E23186	H-DEN048FP	62E23191
H-DEN024FP	62E23186	H-DEN049FP	62E23191
H-DEN025FP	62E23186	H-CIN001FP	62D26035
H-DFN005FP	62E23186	H-CIN002FP	62D26035
H-DFN006FP	62E23186	H-CIN003FP	62D26035
H-DFN007FP	62E23186	H-CIN010FP	62D26035
H-DFN008FP	62E23186	H-CIN014FP	62D26035
H-DFN009FP	62E23186	H-DAN008FP	62D26035
H-DFN010FP	62E23186	H-DAN009FP	62D26035
H-CLN019FP	62E23188	H-DAN010FP	62D26035
H-CHN051FP	62D26034	H-DAN011FP	62D26037
H-CHN052FP	62D26034	H-DAN012FP	62D26037
H-CHN053FP	62D26034	H-DAN013FP	62D26037
H-CLN040FP	62E23191	H-DAN014FP	62D26037
H-CLN041FP	62E23191	H-DDN007FP	62D26037
H-CLN043FP	62E23191	H-DDN008FP	62D26037
H-CLN045FP	62E23191	H-DDN009FP	62D26037
H-DCN023FP	62E23191	H-DDN010FP	62D26037
H-DCN024FP	62E23191	H-DEN026FP	62D26037
H-DCN025FP	62E23191	H-DEN027FP	62D26037
H-DCN026FP	62E23191	H-DEN028FP	62D26037
H-DCN027FP	62E23191	H-DEN029FP	62D26037
H-DCN028FP	62E23191	H-DEN030FP	62D26037
H-DCN029FP	62E23191	H-DEN031FP	62D26037
H-DCN030FP	62E23191	H-DAN019FP	62E28152
H-DCN031FP	62E23191	H-DAN020FP	62E28152
H-DEN032FP	62E23191	H-DAN021FP	62E28152
H-DEN033FP	62E23191	H-DAN022FP	62E28152
H-DEN034FP	62E23191	H-DAN024FP	62E28152
H-DEN035FP	62E23191	H-DCN032FP	62E28152
H-DEN036FP	62E23191	H-DCN033FP	62E28152
H-DEN037FP	62E23191	H-DCN034FP	62E28152
H-DEN038FP	62E23191	H-DDN001FP	62E28152
H-DEN039FP	62E23191	H-DDN002FP	62E28152
H-DEN040FP	62E23191	H-DDN004FP	62E28152
H-DEN041FP	62E23191	H-DDN005FP	62E28152
H-DEN042FP	62E23191	H-DDN006FP	62E28152
H-DEN043FP	62E23191	H-CKN014FP	62E23191

Table 5 Unaffected Reworked Fuel Pump Serial Numbers Shipped as Spares (Cont.)

Fuel Pump S/N	Fuel Pump P/N	Fuel Pump S/N	Fuel Pump P/N
H-CLN044FP	62E23191	H-DCN053FP	62D26037
H-CKN009FP	62F26562	H-DCN054FP	62D26037
H-CKN011FP	62F26562	H-DCN055FP	62D26037
H-CKN023FP	62F26562	H-DCN056FP	62D26037
H-CKN027FP	62F26562	H-CEN008FP	62E23191
H-CLN042FP	62F26562	H-CEN009FP	62E23191
H-CLN046FP	62F26562	H-CEN010FP	62E23191
H-CKN028FP	62F26562	H-CEN011FP	62E23191
H-CLN035FP	62E23186	H-CEN012FP	62E23191
H-CLN036FP	62E23186	H-CEN013FP	62E23191
H-CJN050FP	62F26562	H-CEN014FP	62E23191
H-CKN012FP	62F26562	H-CHN056FP	62E23186
H-DCN035FP	62D26037	H-CJN053FP	62E23191
H-DCN036FP	62D26037	H-CJN055FP	62F26562
H-DCN037FP	62D26037	H-CJN060FP	62F26562
H-DCN052FP	62D26037		

Hartzell Engine Technologies Alert Service Bulletin No. 233 dated August 17, 2026 is reprinted in its entirety as follows and is current at the time Lycoming Service Bulletin 671 is issued. However, compliance with this Service Bulletin is to be in accordance with the latest revision of the Hartzell Engine Technologies Alert Service Bulletin No. 233.

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

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Alert Service Bulletin

Alert Service Bulletin No. 233

200F, 201F, 202F, & 500F Fuel Pump Leak Inspection and Diaphragm Replacement

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1. Planning Information

A. Effectivity

(1) Fuelcraft 200F, 201F, 202F, & 500F Series Fuel Pumps manufactured by Hartzell Engine Tech LLC (HET) with P/N 063F-0001 diaphragm used in all part number fuel pumps (See Table 1).

(a) Affected HET P/N 063F-0001 diaphragms in inventory, or any 200F, 201F, 202F, & 500F Series Fuel Pump that has been installed and placed in service with an affected diaphragm from 05/01/2025 through 05/01/2026, with a diaphragm cure date of 2Q25 through 2Q26, are affected by this ASB.

(b) Serial Numbers H-CEN001FP through H-DFN010FP are affected by this ASB.

(c) Refer to para. 1.H(4) for HET PMA List for aircraft/engine model/series affected.

NOTE: The HET PMA List is for reference only and is not an all-inclusive list of aircraft/engine models 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 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 FOR THE MOST RECENT REVISION LEVEL OF THIS SERVICE BULLETIN.

B. Concurrent Requirements

(1) None

C. Reason

(1) 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.

(2) Replacement of the diaphragm is required for affected 200F, 201F, 202F & 500F series fuel pumps.

(3) Regulatory action is unknown.

D. Description

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

(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.

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Fuel Pump Diaphragm P/N 063F-0001 - Where Used:			
200F	**201F**	**202F**	**500F**
200F-5001	201F-5001	202F-1001	500F-0001
200F-5002	201F-5002	202F-1002	500F-0002
200F-5003	201F-5003	202F-1003	500F-0003*
200F-5004	201F-5004	202F-1004*	500F-0004
200F-5005	201F-5005	–	500F-0005
200F-5006	201F-5006	–	500F-0008*
200F-5007	201F-5008	–	–
200F-6001*	–	–	–

Table - 1 - Fuel Pump Diaphragm P/N 063F-0001 - Where Used

* Non-PMA part. These fuel pumps share the same repair instructions as the PMA-approved fuel pumps within their series.

E. Compliance

(1) Prior to next flight:

(a) Inspect the vent reference port and surrounding area on the exterior of affected fuel pumps for indications of fuel leakage, such as staining or wetting of the port. See Figures 1 thru 3.

1) For Aviation Gasoline power engines staining will be blue in color.

2) For kerosene powered engines, leakage will show as an oily film or pools in low areas.

NOTE: If the engine is equipped with a upper deck reference line, it will need to be disconnected prior to inspection.

3) If fuel leakage at the fuel pump reference port is found, refer to Option 1 or Option 2:

a) 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.

b) Option 2: The affected fuel pump must be replaced with one not affected by this ASB prior to next flight.

4) If fuel leakage at the fuel pump reference port is not found:

a) Repeat inspection each ten (10) hours time-in-service thereafter or until the affected fuel pump can be repaired or replaced with a fuel pump not affected by this Alert Service Bulletin. Make a log book entry for each inspection performed. Refer to § 3.E(1), Maintenance Record.

(2) Repair or replacement of an affected fuel pump in accordance with the Accomplishment Instructions is the terminating action for this Alert Service Bulletin. Make a log book entry for terminating action. Refer to § 3.E(2), Maintenance Record.

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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 engine maintenance manual and service instructions.

(2) HET Manual No. 200201-0000 - 200F/201F/202F Fuel Pump Overhaul & Maintenance Manual.

(3) HET Manual No. FC5001 - Turbine Fuel Pump Maintenance and Overhaul Manual.

(4) HET PMA Eligibility List: https://hartzell.aero/pma/?selection=fuel_pumps

I. Other Publications Affected

(1) None

J. Weight and Balance

(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.
NAS1352C3H20	Screw, Cap	4
063F-0001	Diaphragm	1
065F-0003	Washer, .315 Flat	4

Table - 2 - 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.

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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 HET P/N 200201-0000 AND FC5001 MAINTENANCE MANUALS. 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 MANUAL P/Ns 200201-0000 AND FC5001.

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, & 500F Series Fuel Pump that has an affected HET P/N 063F-0001 diaphragm which was field installed from 04/01/2026 to the effective date of this ASB through the engine or aircraft 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 removed to gain access in accordance with the latest engine/airframe service instructions or maintenance manual. Continue to 3.E.(2), Maintenance Record.

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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 upper deck 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, Fig. 2, or Fig. 3.

(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.

NOTE: 200F-5007 fuel pumps require the pipe plug to be removed prior to inspection.

(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)(a), 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.

NOTE: For 200F-5007 fuel pumps, remove the pipe-thread sealant from the plug and reinstall the plug in accordance with Manual No. 200201-0000.

(4) If fuel or blue dye stains ARE found, continue to 3.C., Corrective Action.

C. Corrective Action (1), (2), (3):

(1) Fuel Pump Factory Approved Service Facility 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. (FITTINGS LEFT IN THE PUMP MAY NOT BE RETURNED.)

(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.

(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.

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(2) Fuel Pump Field Repair:

NOTE: Refer to the HET Manual P/N 200201-0000 or FC5001 for the following steps necessary to replace the diaphragm in the applicable model and part number fuel pump.

(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 HET P/N 200201-0000 or FC5001 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 HET 200201-0000 or FC5001 manual as appropriate to the model number. Use only those sections required to install the diaphragm.

(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 or FC5001 manual.

(f) Test and adjust the applicable fuel pump in accordance with HET Manual P/N 200201-0000 or FC5001 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. Refer to Table-3.

1) For Non-PMA fuel pumps (See Table-1), refer to Table-3 for adjustment settings.

(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 in accordance with HET manual P/N 200201 or FC5001. Tool requirements and Installation for Safe-T-Cable™ may be found at http://www.dmctools.com.

(h) Mark field repaired pumps with a green dot on the valve housing front face (200F, 202F, and 500F) or top of valve housing cover (201F) using an indelible paint marker. Dot size to be 1/8 inch to 1/4 in diameter and must not overlap or obscure any existing markings. See Figures 1 through 3.

(i) 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.

(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.

(3) For Non-PMA fuel pumps (See Table-1), return to service must be accomplished by other means acceptable to the applicable civil aviation authority.

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.

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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 1)
(2) Fax +1.334.386.5450.
(3) E-mail at techsupport@HartzellEngineTech.com.
(4) Address

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

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Model No.	Direction of Rotation	Inlet Pressure ("HgA")	Speed (rpm)	Flow (pph)	Discharge Pressure (psig)	Relief Valve Adjustment Range
200F-6001	CW	13.7 In. HgA	1800	50 MIN	65 ± 1	12-50
		12.7 In. HgA	5280	400 MIN	65 ± 1	
202F-1004	CW	13.75 In. HgA	650 ± 10	9 MIN	36 ± 1	12-50
		12.77 In. HgA	2575 ± 50	260 ± 5	38 ± 1	
500F-0003	CW	N/A	N/A	N/A	N/A	N/A
		14.77 MAX	3859	750 MIN	65 ± 2	
500F-0008	CW	N/A	N/A	N/A	N/A	N/A
		14.77 MAX	3800	900 MIN	14-16	

Table - 3 - Relief Valve Settings (Non-PMA Fuel Pumps)

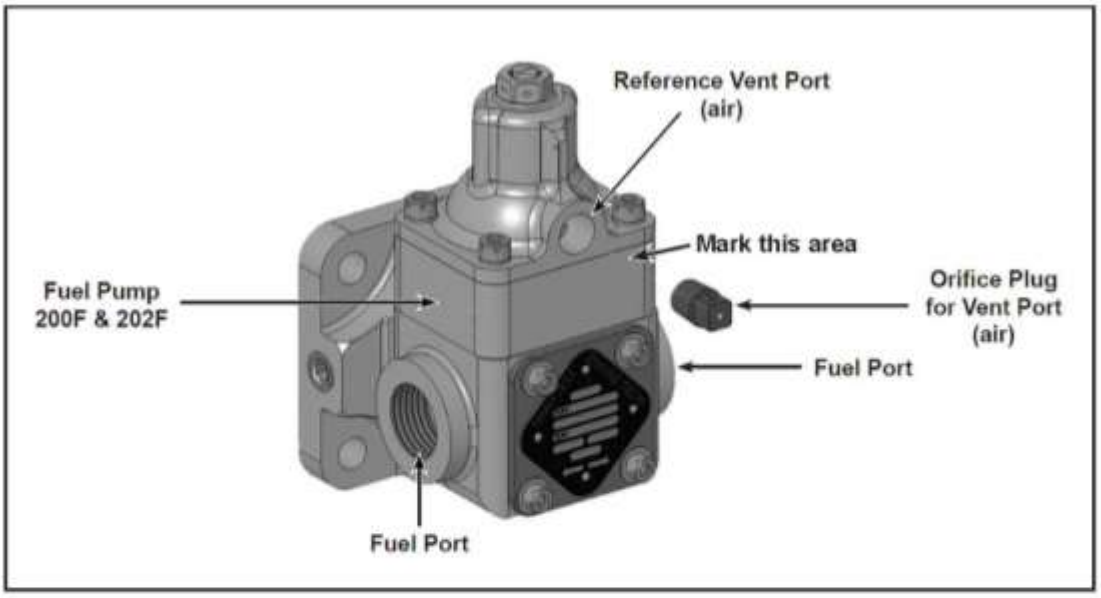


Figure 1 - 200F & 202F Identification

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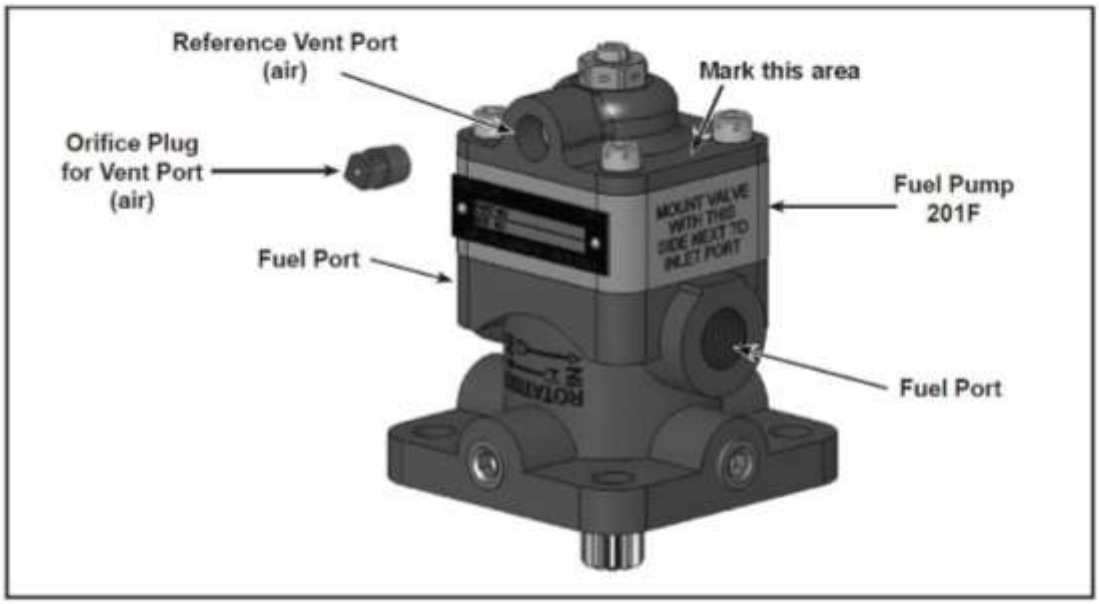


Figure 2 - 201F Identification

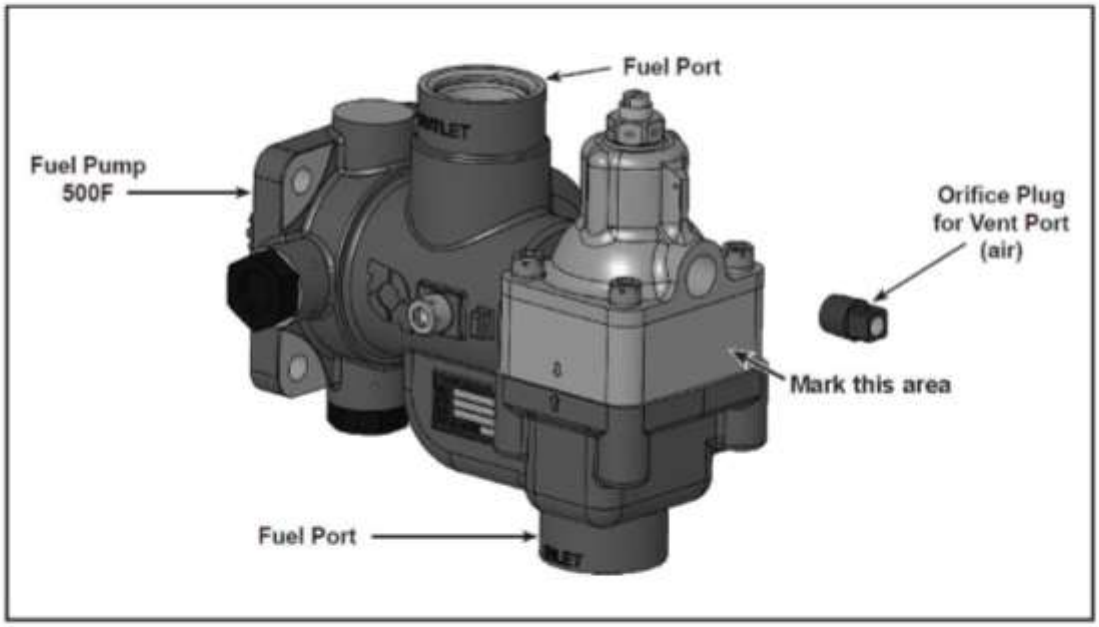


Figure 3 - 500F Identification

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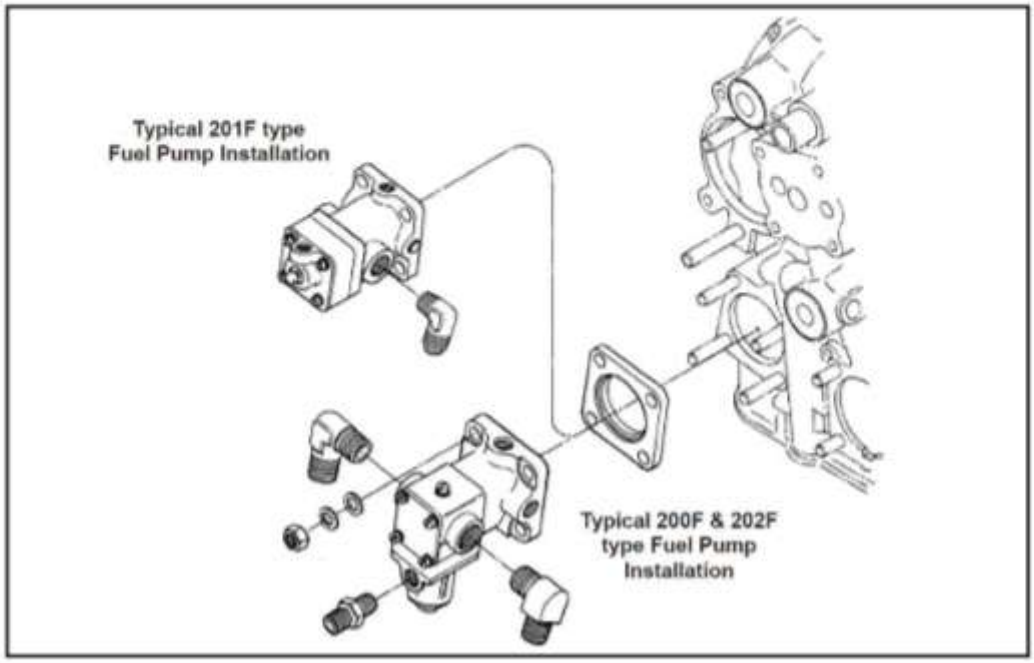


Figure 4 - Typical HET Series Fuel Pumps

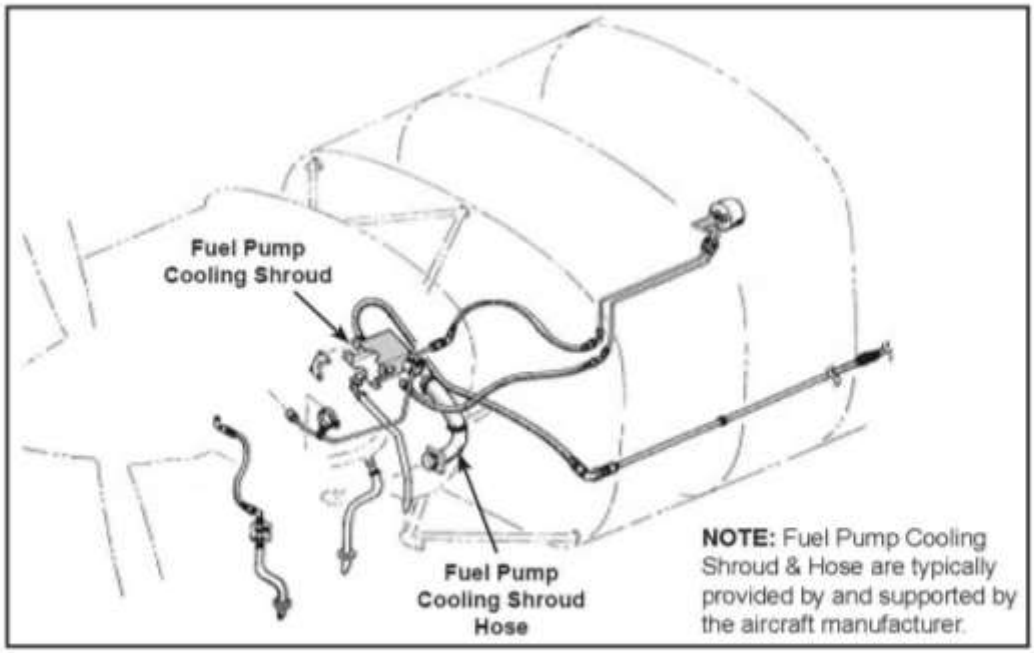


Figure 5 - Typical Cooling Shroud Installation

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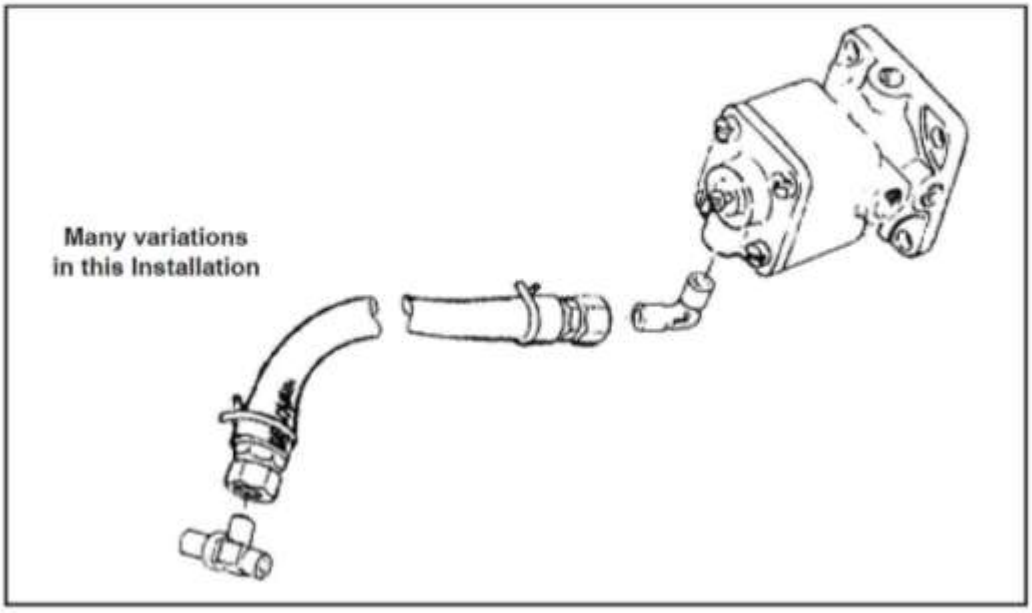


Figure 6 - Typical HET 201F Fuel Pump Plumbed to Upper Deck Reference

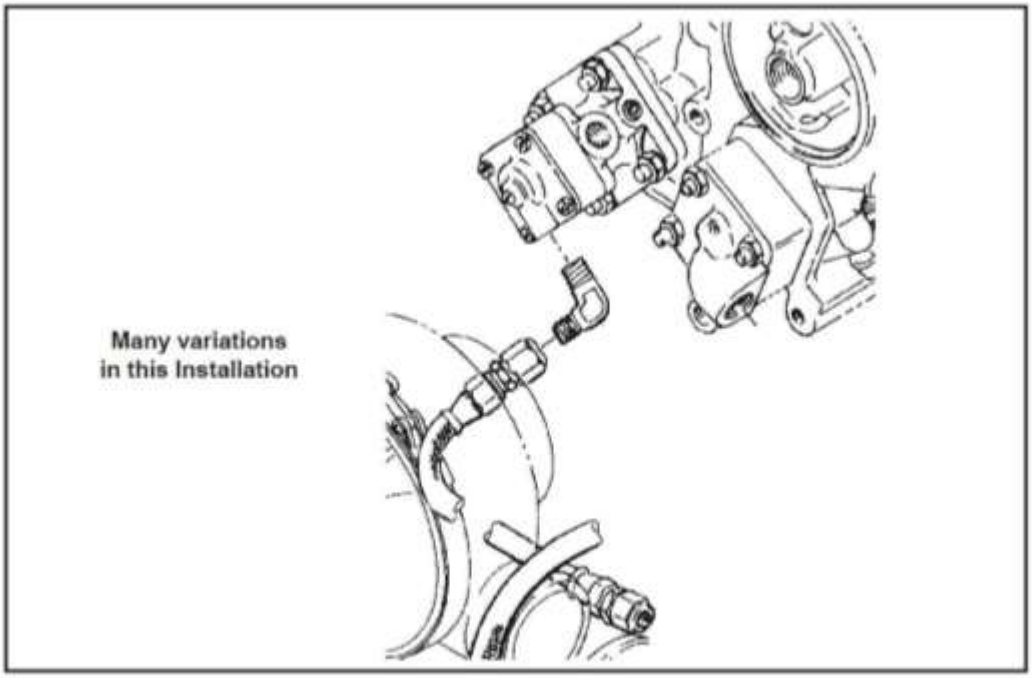


Figure 7 - Typical HET 201F Fuel Pump Turbocharger Reference Line Connection

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ALERT SERVICE BULLETIN APPENDIX I

ALERT SERVICE BULLETIN No. 233

200F, 201F, 202F, & 500F Fuel Pump
Leak Inspection and Diaphragm Replacement

1. **Eligibility:**

   A. New and overhauled Fuelcraft™ 200F, 201F, 202F, & 500F Series Fuel Pumps with P/N 063F-0001 diaphragm manufactured and shipped by Hartzell Engine Tech LLC (HET) between 05/01/2025 and 05/01/2026 are affected by this Alert Service Bulletin (ASB). See Table 1 of ASB #233 for 200F, 201F, 202F, & 500F P/Ns affected. See Tables 2 for fuel pump PMA for use on 200F, 201F, 202F, & 500F Series Fuel Pumps.

2. **Commercial Assistance Program:**

   The following will be provided with the submission of a completed ASB #233 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) calender months from the original published date of ASB No. 233.**

   A. Required material listed in § 2 of ASB #233.

   B. Labor for inspection, removal, & installation of an affected aircraft fuel pump will be paid at a shop rate of $120 per hour, not to exceed US $420 per fuel pump.

      (1) Up to .5 hour (30 minutes) labor required for initial inspection.

      (2) Up to two (2) hours labor required for removal and installation per affected fuel pump.

      (3) Up to one (1) hour labor required to replace a new diaphragm in the affected fuel pumps.

3. **Commercial Assistance ADMINISTRATION:**

   A. Complete the ASB #233 Claim Form attached to this appendix.

      (1) Mail, e-mail, or fax the ASB #233 Claim Form to the attention of Product Support as indicated on the ASB Claim Form.

   B. Upon receipt of the ASB Claim Form, Hartzell Engine Tech LLC will:

      (1) Ship the required material in accordance with Section 2.A. of ASB #233 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 labor and parts listed in Section 2:

      (1) Aircraft/engine service facility or owner must submit an invoice up to the amount specified in Section 2, copies of logbook entries, and a completed ASB #233 Claim Form for reimbursement (*May be a copy of the original form provided*).

4. **WARRANTY STATEMENT:**

   A The sole warranty for the actions of ASB #233 are contained in the HET Limited Warranty Policy issued with the purchase of each new/overhauled fuel pumps (see terms and conditions therein).

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B. Commercial assistance may apply as stated in this Appendix.

C. Issuance of ASB #233 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 electrical system.

5. CONTACT INFORMATION:

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

(1) Phone +1.334.386.5400 (Option 1)

(2) Fax +1.334.386.5410

(3) E-mail at techsupport@Hartzell.aero

(4) Address

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

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Alert Service Bulletin Appendix

Alert Service Bulletin No. 233

200F, 201F, 202F, & 500F Fuel Pump Leak Inspection and Diaphragm Replacement

1. SERVICE FACILITIES:

A. The following service facilities have the capability of servicing the HET P/N 200F, 201F, 202F, & 500F 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

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

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

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ALERT SERVICE BULLETIN APPENDIX I

ALERT SERVICE BULLETIN No. 233

200F, 201F, 202F, & 500F Fuel Pump Leak Inspection and Diaphragm Replacement

SB 233 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: _____

Component Information

Nomenclature: Fuel Pump _____ Part Number: _____

Serial Number: _____ Date Removed: _____

Part Time in Service: _____ Original Date Installed: _____

For RMA Number

Send this ASB #233 Claim Form to:

Hartzell Engine Tech Product Support
Fax: +1.334.386.5410
E-mail: techsupport@hartzell.aero

RMA Number:

(write in HET assigned RMA number)

Hartzell Use Only - do not write below this line.

Warranty No: _____ Authorized by: _____

Rev. A: 10/7/2026

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