

SERVICE BULLETIN

TITLE: FUEL - INSTALLATION OF KITS ASSOCIATED WITH AMENDMENT 25-102 UPGRADES

1. Planning Information

A. Effectivity

- (1) Airplanes
Model 4000, Serial Numbers RC-7 through RC-58.

NOTE

Owners/operators shall refer to Paragraph 2.C of this Service Bulletin to determine applicability of the various kits.

If you are no longer in possession of the airplane, please forward this information to the present owner.

- (2) Spares
None.

B. Reason

This Service Bulletin is being issued to notify owners/operators of the requirement to install various kits to be in compliance with 14 CFR 25.981, Amendment 25-102. This requirement is defined in Type Certificate Data Sheet T00013WI and the Model 4000 Airworthiness Limitations Manual.

C. Description

The existing direct current (*DC*) fuel pump shall be inspected to determine the date of manufacture. A *DC* fuel pump that was manufactured before August of 2002 shall be removed and replaced.

Subsequent to inspection of the *DC* fuel pump, the applicable kit(s) shall be installed as defined in Paragraph 2.C of this Service Bulletin.

On completion of this Service Bulletin, the owner/operator (or a delegated agent), shall contact the FAA FSDO, or an approved FAA designee, to obtain an amended Standard Certificate of Airworthiness with Box 5 blank or annotated as None.

The export of these commodities, technology or software are subject to the U.S. Export Administration Regulations. Diversion contrary to U.S. law is prohibited. For guidance on export control requirements, contact the Commerce Department's Bureau of Export Administration at <http://www.bis.doc.gov>.

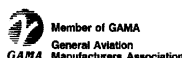
Hawker Beechcraft Corporation (HBC) issues Service Information for the benefit of owners and fixed base operators in the form of two classes of Service Bulletins. The first class, Mandatory Service Bulletins (red border) includes changes, inspection and modifications that could affect safety or crashworthiness. HBC also issues Service Bulletins with no red border which are designated as either recommended or optional in the compliance section within the bulletin. In the case of recommended Service Bulletins, HBC feels the changes, modifications, improvements or inspections will benefit the owner/operator and although highly recommended, Recommended Service Bulletins are not considered mandatory at the time of issuance. In the case of Optional Service Bulletins, compliance with the changes, modifications, improvements or inspections is at the owner/operator's discretion.

Both classes are available on the web at <http://pubs.hawkerbeechcraft.com> and mailed to:

- (a) Owners of record on the FAA Aircraft Registration Branch List and the HBC Safety of Flight Information (SOFI) List.
- (b) Those having a publications subscription.

Information on Safety of Flight Information (SOFI) or subscription can be obtained through the Hawker Beechcraft Corporation Technical Manual Distribution Center (TMDC). As Mandatory Service Bulletins and Service Bulletins are issued, the Service Bulletin Master Index will be updated and available online at <http://pubs.hawkerbeechcraft.com>. Warranty will be allowed only when specifically defined in the Service Bulletin and in accordance with HBC Warranty Policy.

Unless otherwise designated, HBC Mandatory Service Bulletins, Service Bulletins and HBC Kits are approved for installation on HBC airplanes in original or HBC modified configurations only. HBC Mandatory Service Bulletins, Service Bulletins and Kits may not be compatible with airplanes modified by STC installations or modifications other than HBC approved kits.



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D. Compliance

Hawker Beechcraft Corporation recommends that this Service Bulletin be accomplished before March 24, 2014.

E. Approval

The engineering data contained in this Service Bulletin is FAA approved.

This modification is classified Level 1 Major per FAA Order 8110.52.

Prior to accomplishment, owners/operators of airplanes registered in countries other than the United States shall consult with their local Aviation Regulatory Authority.

F. Manpower

The following information is for planning purposes only:

Estimated man-hours for inspection and replacement of the *DC* fuel pump: 2 hours

Estimated man-hours for Kit 401-3000-0015: 45 hours

Estimated man-hours for Kit 401-3004-0001: 48 hours

Estimated man-hours for Kit 401-3006-0001: 48 hours

Estimated man-hours for Kit 401-3009-0001: 48 hours

Estimated man-hours for Kit 401-3014-0017: 120 hours

Estimated man-hours for Kit 401-3022-0021: 45 hours

Estimated man-hours for Kit 401-3022-0023: 45 hours

Estimated man-hours for Kit 401-3023-0001: 2 hours

Estimated man-hours for Kit 401-9012-0001: 185 hours

Estimated man-hours for Kit 401-9013-0001: 185 hours

Estimated man-hours for Kit 401-9014-0001: 220 hours

Estimated man-hours for Kit 401-9015-0001: 100 hours

Suggested number of personnel: 5

The above is an estimate based on experienced, properly equipped personnel complying with this Service Bulletin.

G. Weight and Balance

Refer to the applicable kit(s) as defined in Paragraph 2.C.

H. Electrical Load Data

Not changed.

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I. Software Accomplishment Summary

Not applicable.

J. References

Model 4000 Airplane Maintenance Manual (AMM), P/N 401-590001-0015A11 or subsequent, Chapter 6 and Chapter 28;

Pilot's Operating Manual Temporary Change, P/N 401-590001-0005BTC7;

Airplane Flight Manual Temporary Change, P/N 401-590001-0035TC67;

14 CFR 25.981, Amendment 25-102;

Type Certificate Data Sheet T00013WI;

Model 4000 Airworthiness Limitations Manual (ALM), P/N 401-590001-0027, Reissue L or subsequent;

Kit 401-3000-0015;

Kit 401-3004-0001;

Kit 401-3006-0001;

Kit 401-3009-0011;

Kit 401-3014-0017;

Kit 401-3022-0021;

Kit 401-3022-0023;

Kit 401-3023-0001;

Kit 401-9012-0001;

Kit 401-9013-0001;

Kit 401-9014-0001;

Kit 401-9015-0001;

Service Bulletin 28-4065.

K. Publications Affected

It is recommended that a note, "See Service Bulletin 28-3950," be made in the appropriate chapter of the Illustrated Parts Catalog.

L. Interchangeability of Parts

Not applicable.

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M. Warranty Credit

Warranty credit for labor and parts to the extent noted under MANPOWER and MATERIAL will be allowed on all airplanes that are under Standard Warranty coverage on the date of issuance of this Service Bulletin. Credit will be given for any airplanes that have an active HBC Maintenance Program for labor and parts, if coverage is active and the work is accomplished prior to the warranty expiration date listed in this Service Bulletin. Claims for compliance with this Service Bulletin are to be filed as a W4-type claim against SB 28-3950.

Warranty coverage offered in this Service Bulletin will expire 24 months from the last day of the month this Service Bulletin is issued. After this date, the owner/operator assumes the responsibility for compliance cost. Hawker Beechcraft Corporation (HBC) reserves the right to void continued warranty coverage in the area affected by this Service Bulletin until the date the Service Bulletin is accomplished by an HBC Authorized Service Center (ASC).

The owner/operator should contact an HBC ASC to schedule the warranty work to be accomplished. The HBC ASC must be rated to perform maintenance on the specific model of Hawker Beechcraft airplane. The HBC ASC will submit the appropriate paperwork directly to the HBC Warranty Department for warranty consideration.

After the Service Bulletin has been accomplished, a warranty claim must be submitted to HBC within 60 days of the Service Bulletin completion date.

2. Material Information

A. Materials - Price and Availability

Contact information:

Hawker Beechcraft Parts & Distribution (HBP&D)
10511 East Central Avenue
Wichita, KS 67206
USA
Phone: 316-676-3100 or 1-888-727-4344
Fax: 316-676-3222 or 316-676-3327
E-mail: HBC_Parts@hawkerbeechcraft.com

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B. Industry Support

Not applicable.

C. Airplanes

(1) The following Kits, required for accomplishment of this Service Bulletin, may be ordered through a Hawker Beechcraft Authorized Service Center or HBP&D:

Airplane Serial	Kit Number	Description	Quantity Per Airplane
RC-7 through RC-42	401-3000-0015	Kit - Amendment 102, GFI Instl	1
RC-7 through RC-17, and RC-19	401-3004-0001	Kit - Amendment 102, GFI Provisions Instl	1
RC-18, and RC-20 through RC-42	401-3006-0001	Kit - Amendment 102, GFI Provisions Instl, Green ACFT	1
RC-43 through RC-46, and RC-55	401-3009-0001	Kit - Amendment 102, GFI Provisions Instl	1
RC-7 through RC-41	401-3014-0017	Kit - Amendment 102, Fuel Tank Protection	1
RC-43 through RC-46, and RC-55	401-3022-0021	Kit - Amendment 102, GFI Instl	1
RC-47 through RC-54, and RC-56 through RC-58	401-3022-0023	Kit - Amendment 102, GFI Instl	1
RC-7 through RC-52, and RC-55	401-3023-0001	Kit - Fuel Card Instl, Forward Rack	1*
RC-7, RC-9 through RC-11, and RC-20	401-9012-0001	Kit - Fuel Wiring Separation	1
RC-7, RC-9 through RC-11, and RC-20	401-9013-0001	Kit - EME Suppression Instl, Wing	1

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RC-7 through RC-43	401-9014-0001	Kit - Lightning Protection Upgrade, Wing	1
RC-7 through RC-58	401-9015-0001	Kit - Placard Installation, Amendment 102	1
<p>*Airplanes that incorporated Kit 401-3023 on Service Bulletin 28-4065, <i>Forward Avionics Rack Fuel Card Improvement</i>, will not be required to install the kit again on this Service Bulletin.</p>			

Hawker Beechcraft Corporation expressly reserves the right to supersede, cancel and/or declare obsolete, without prior notice, any parts or publications that may be referenced in this Service Bulletin.

CAUTION

All HBC-approved kits, unless otherwise designated, are approved for installation on HBC airplanes in original or HBC-approved modified configurations only. HBC-approved kits may not be compatible with airplanes modified by Supplemental Type Certificate (STC) installations or modifications other than HBC-approved kits.

- (2) The following part, if required for accomplishment of this Service Bulletin as defined in Paragraph 3.A, may be ordered through a Hawker Beechcraft Authorized Service Center or HBP&D:

Part Number	Description	Quantity Per Airplane
1C27-27	DC Fuel Pump	1, If Required

D. Spares

Not applicable.

E. Reidentified Parts

None.

F. Tooling - Price and Availability

Not applicable.

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3. Accomplishment Instructions

This Service Bulletin shall be accomplished as follows:

NOTE

Should any difficulty be encountered in accomplishing this Service Bulletin, contact Hawker Beechcraft Corporation at 1-800-429-5372 or 316-676-3140.

A. Airplane

WARNING

Observe all Warnings and Cautions contained in the airplane manuals referenced in this Service Bulletin.

Whenever any part of this system is dismantled, adjusted, repaired or renewed, detailed investigation must be made on completion to make sure that distortion, tools, rags or any other loose articles or foreign matter that could impede the free movement and safe operation of the system are not present, and that the systems and installations in the work area are clean.

- (1) Remove all power from the airplane and disconnect the batteries. Display warning notices prohibiting reconnection of airplane electrical power.
- (2) Prior to the accomplishment of the applicable kit(s), the serial number on the *DC* fuel pump shall be inspected to determine the month and year of manufacture. **Fuel pumps that were manufactured before August of 2002 shall be removed and replaced.**

Reading from left to right, *DC* fuel pump serial numbers consist of a number indicator for the month of manufacture. For example, 8 = August. This number is followed by a one or two digit letter code that indicates the year of manufacture. A letter code of AV, for example, indicates that the *DC* fuel pump was manufactured in 2002. **Note:** The number that is positioned to the right of the letter code may be disregarded for the purpose of this inspection.

A *DC* fuel pump serial number of 8AV6, then, would have been manufactured in August of 2002, whereas a serial number of 9AJ1 would have been manufactured in September (month indicated by 9) of 1993 (year indicated by AJ).

Refer to the following table to determine how the letter codes correspond to the year of manufacture.

Letter Code/Year	Letter Code/Year	Letter Code/Year	Letter Code/Year	Letter Code/Year
D = 1960	E = 1961	F = 1962	G = 1963	H = 1964
J = 1965	K = 1966	M = 1967	N = 1968	P = 1969
R = 1970	S = 1971	T = 1972	V = 1973	W = 1974
A = 1975	B = 1976	C = 1977	D = 1978	E = 1979

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F = 1980	H = 1981	J = 1982	K = 1983	M = 1984
AA = 1985	AB = 1986	AC = 1987	AD = 1988	AE = 1989
AF = 1990	AG = 1991	AH = 1992	AJ = 1993	AK = 1994
AL = 1995	AM = 1996	AN = 1997	AP = 1998	AR = 1999
AT = 2000	AU = 2001	AV = 2002	AW = 2003	AY = 2004
BA = 2005	BB = 2006	BC = 2007	BD = 2008	BE = 2009
BF = 2010	BG = 2011	BH = 2012	BJ = 2013	BK = 2014

WARNING

Review the FUEL SYSTEM PRECAUTIONS and FUEL SYSTEM SAFETY PRACTICES procedures in accordance with Airplane Maintenance Manual, Chapter 28-00-00, 201, prior to performing any maintenance on the airplane fuel system.

- (3) Use applicable guidance in AMM Chapter 06-50-02 to remove the right aft underwing fairing.
- (4) Refer to AMM Chapter 28-20-03-401 and locate the serial number on the bottom of the *DC* fuel pump. Use the information provided in Step (2) to inspect the serial number and determine if the *DC* fuel pump was manufactured before August of 2002.
 - (a) If the *DC* fuel pump was manufactured before August of 2002, proceed to Step (5).
 - (b) If the *DC* fuel pump was manufactured after August of 2002, no replacement is necessary. Use applicable guidance in AMM Chapter 06-50-02 to install the right aft underwing fairing, or proceed to Step (6) if applicable kit installation instructions require removal of the fairing.
- (5) Remove and replace the existing *DC* fuel pump with the new *DC* fuel pump, P/N 1C27-27, in accordance with AMM Chapter 28-20-03-401.
- (6) Refer to Paragraph 2.C and install the applicable kit(s) as detailed in kit installation instructions.
- (7) Reconnect the airplane batteries, remove warning notices, and restore power.
- (8) Ensure all work areas are clean and clear of tools and miscellaneous items of equipment.
- (9) Ensure that Temporary Change P/N 401-590001-0005BTC7 has been inserted in the Pilot's Operating Manual.
- (10) Ensure that Temporary Change P/N 401-590001-0035TC67 has been inserted in the P/N 401-590001-0035 Airplane Flight Manual. For all other Airplane Flight Manuals, this step is not applicable.
- (11) Contact the FAA FSDO, or an approved FAA designee, to obtain an amended Standard Certificate of Airworthiness with Box 5 blank or annotated as "None".
- (12) Return airplane to service.

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B. Spares

Not applicable.

C. Record of Compliance

Record the accomplishment of this Service Bulletin in the airplane technical records.