

SERVICE BULLETIN

Beechcraft

Kit 58-3049-0001

TITLE: ENVIRONMENTAL / AIR CONDITIONING - COMBUSTION HEATER FUEL PUMP PROTECTION

1. Planning Information

A. Effectivity

- (1) Airplanes

Model 58 and G58 Baron, Serials TH-2015 through TH-2239.

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 add circuit protection to the solid state combustion heater fuel pump to prevent a potential overheat condition, and subsequent smoke in the cockpit. Safety Communiqué 278 has been issued as a reminder that all electrical equipment must be in the OFF position prior to engine start and engine shutdown.

C. Description

Kit 58-3049-0001 is installed to provide a 2-amp fuse in the combustion heater fuel pump power circuit.

D. Compliance

An Airworthiness Directive will be requested on the matter covered by this Service Bulletin.

Hawker Beechcraft Corporation (HBC) considers this to be a Mandatory Service Bulletin. It must be accomplished within the next 100 flight hours or 12 calendar months from receipt of this Service Bulletin, whichever occurs first.

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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E. Approval

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

This modification is classified Minor 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: 2 hours.

Suggested number of men: 1 man.

The above is an estimate based on experienced, properly-equipped personnel complying with this Service Bulletin. Occasionally, after work has started, conditions may be found that could result in additional man-hours.

G. Weight and Balance

Negligible.

H. Electrical Load Data

Not changed.

I. Software Accomplishment Summary

Not applicable.

J. References

Safety Communiqué 278, January 2007 or subsequent revision;

Field Service Kit 58-3049-0001.

K. Publications Affected

It is recommended that a note "See Service Bulletin 21-3877" be made in the following:

Baron (58) Electrical Wiring Diagram Manual, P/N 96-590011-29C or subsequent revision, Chapter 21-41-01;

Baron (G58) Electrical Wiring Diagram Manual, P/N 58-590001-3C or subsequent revision, Chapter 21-41-01.

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 affected airplanes. Claims for compliance with this Service Bulletin are to be filed as a W3-type claim against SB21-3877.

Warranty coverage offered in this Service Bulletin will expire 12 months from the last day of the month this Service Bulletin is issued. After that date, the owner / operator assumes the responsibility for compliance cost. Hawker Beechcraft Corporation (HBC) reserves the right to void 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).

All warranty work must be accomplished by an HBC ASC rated to perform maintenance on the specific model of Hawker Beechcraft airplane. The HBC ASC will submit the appropriate paperwork directly to HBC Warranty for parts and labor to the extent noted under Section 1.M. Warranty Credit for warranty consideration. The owner / operator should contact an HBC ASC to schedule the work to be accomplished.

In the event that work will not be accomplished at an HBC ASC, parts may be purchased directly from RAPID and a warranty claim for parts only should be submitted directly to HBC Warranty.

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 a Hawker Beechcraft Authorized Service Center for information.

B. Industry Support

Not applicable.

C. Airplane

The following kit required for this modification may be ordered through a Hawker Beechcraft Authorized Service Center or RAPID:

Kit Number	Description	Quantity Per Airplane
58-3049-0001	Kit - Heater Fuel Pump Wire Harness Mod	1

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

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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.

D. Spares

Not applicable.

E. Reidentified Parts

None.

F. Tooling - Price and Availability

Not applicable.

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.

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 battery (Model 58) or batteries (Model G58). Display warning notices prohibiting reconnection of airplane electrical power.
- (2) Accomplish this modification in accordance with the INSTALLATION INSTRUCTIONS provided in Kit 58-3049-0001.
- (3) Reconnect the airplane battery (Model 58) or batteries (Model G58), remove warning notices and restore power.
- (4) Perform TEST PROCEDURES provided in Kit 58-3049-0001.

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- (5) Ensure all work areas are clean and clear of tools and miscellaneous items of equipment.
- (6) Return airplane to service.

A. Spares

Not applicable.

B. Record of Compliance

Upon completion of this Service Bulletin, make an appropriate maintenance record entry specifying the kit identification number and the kit serial number. It is recommended that the parts list contained in the kit be filed for future reference until the listing of parts has been incorporated into the Parts Catalog and Wiring Diagram Manual.