

# SERVICE BULLETIN

**TITLE: ICE AND RAIN PROTECTION - ANTI-ICE OVERPRESSURE SWITCH REPLACEMENT**

## 1. Planning Information

### A. Effectivity

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

#### NOTE

This Service Bulletin may be accomplished at any time due to attrition or to reduce nuisance CAS messages. However, this Service Bulletin is required prior to Service Bulletin 34-4030, *Navigation - Installation of Wiring, Avionics and Navigation (Blockpoint) Upgrades*.

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 reduce nuisance CAS messages due to the potential overlap of operating pressures between the pressure regulating shut-off valve (PRSOV) and the anti-ice overpressure switch.

### C. Description

The left and right anti-ice overpressure switches, P/N 01ND-36204-3, shall be replaced with the new anti-ice overpressure switches, P/N 01ND-30204-3, in accordance with the Airplane Maintenance Manual. Airplane Flight Manual (AFM) Temporary Change P/N 401-590001-0035TC30, or subsequent revision, shall be removed.

### D. Compliance

Hawker Beechcraft Corporation considers accomplishment of this Service Bulletin to be the owner's/operator's option, although it is required prior to Service Bulletin 34-4030, *Navigation - Installation of Wiring, Avionics and Navigation (Blockpoint) Upgrades*.

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>.

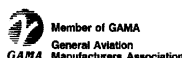
Hawker Beechcraft Corporation (HBC) issues Service Information for the benefit of owners and fixed base operators in the form of two classes of Service Bulletins. The first class, Mandatory Service Bulletins (red border) includes changes, inspection and modifications that could affect safety or crashworthiness. 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 Level 2 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: 4 hours

Suggested number of technicians: 3

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

## **G. Weight and Balance**

Negligible.

## **H. Electrical Load Data**

No change.

## **I. Software Accomplishment Summary**

Not applicable.

## **J. References**

Airplane Maintenance Manual (AMM), P/N 401-590001-0015A11 or subsequent, Chapter 30-20-10-401;

Airplane Flight Manual (AFM) Temporary Change, P/N 401-590001-0035TC30, or subsequent revision.

## **K. Publications Affected**

It is recommended that a note, "See Service Bulletin 30-4060," 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 W3-type claim against SB 30-4060.

Warranty coverage offered in this Service Bulletin will expire 12 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](mailto:HBC_Parts@hawkerbeechcraft.com)

### B. Industry Support

Not applicable.

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## C. Airplanes

The following parts required for accomplishment of this Service Bulletin may be ordered through a Hawker Beechcraft Authorized Service Center or HBP&D:

Part Number	Description	Quantity Per Airplane
01ND-30204-3	Anti-Ice Overpressure Switch	2

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.

## 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.

<b>WARNING</b>
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**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.**

## A. Airplane

- (1) Remove all power from the airplane and disconnect the batteries. Display warning notices prohibiting reconnection of airplane electrical power.

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- (2) Replace the existing left and right engine anti-ice overpressure switches, P/N 01ND-36204-3, with the new anti-ice overpressure switches, P/N 01ND-30204-3, in accordance with Airplane Maintenance Manual Chapter 30-20-10-401.
- (3) Reconnect the airplane batteries, remove warning notices, and restore power.
- (4) Ensure all work areas are clean and clear of tools and miscellaneous items of equipment.
- (5) Remove Temporary Change P/N 401-590001-0035TC30 August, 2011 from the Airplane Flight Manual.
- (6) Return airplane to service.

**B. Spares**

Not applicable.

**C. Record of Compliance**

Upon completion of this Service Bulletin, make an appropriate maintenance record entry.