

SERVICE BULLETIN

Kit 128-3418

TITLE: NAVIGATION - DUAL MODE (EMER/NORM) STANDBY COMPASS ALIGNMENT PROCEDURE AND COMPASS CARD

1. Planning Information

A. Effectivity

(1) Airplanes

Model 400, Serial RJ-51;

Model 400A, Serials RK-1 through RK-353;

Model 400A (Hawker 400XP), Serials RK-354 through RK-604.

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 because Hawker Beechcraft Corporation (HBC) has received reports that airplanes defined in Paragraph 1.A.(1) may not be able to completely compensate for magnetic deviation errors when aligning/calibrating the standby compass in accordance with the Airplane Maintenance Manual (AMM) procedures. This Service Bulletin introduces Kit 128-3418, which identifies new standby compass alignment/calibration procedures and incorporates a new dual mode compass correction card that documents standby compass magnetic deviations with normal (power ON) and emergency (power OFF) electrical configurations.

C. Description

This Service Bulletin provides parts and information to perform newly developed standby compass alignment and calibration procedures in accordance with Kit 128-3418, *MODEL 400A COMPASS CORRECTION PLACARD* procedures.

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 within the next 800 flight hours, but no later than 24 months from receipt of this Service Bulletin, whichever occurs first.

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: 4 hours

Suggested number of technicians: 2

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

G. Weight and Balance

Refer to Kit 128-3418.

H. Electrical Load Data

No change.

I. Software Accomplishment Summary

Not applicable.

J. References

Maintenance Manual, Chapters 9-10, 9-20, 34-20, and 34-21;

Kit 128-3418.

K. Publications Affected

It is recommended that a note "See Service Bulletin 34-4079" be made in the appropriate chapter of the applicable airplane Maintenance Manual, Illustrated Parts Catalog, Pilot's Operating Manual, and Placard Manual.

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 34-4079.

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 Technical Manual Distribution Center (TMDC)
9709 East Central Avenue
Wichita, KS 67206
USA
Phone: 316-676-8238 or 1-800-796-2665
Fax: 316-671-2540
E-mail: tmdc@hawkerbeechcraft.com

B. Industry Support

Not applicable.

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C. Airplanes

The following kit required for accomplishment of this Service Bulletin may be ordered through a Hawker Beechcraft Authorized Service Center or TMDC:

Kit Number	Description	Quantity Per Airplane
128-3418-0001	Kit - Model 400A Compass Correction Placard	1

Hawker Beechcraft Corporation 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.

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

Refer to Kit 128-3418.

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.

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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.

A. Airplane

- (1) Tow or taxi the airplane to a compass swing area. Refer to AMM, Chapter 9-10 (Tow) or Chapter 9-20 (Taxi), as applicable.
- (2) Prepare the airplane for compass swing. Refer to AMM, Chapter 34-20 (Model 400) or Chapter 34-21 (Model 400A).
- (3) Accomplish Kit 128-3418 procedures.

CAUTION

For testing, power is applied to the airplane with both engines running and generators on line. If a tow vehicle is used to position the aircraft, it must be positioned at least 30 yards from the airplane when readings are taken. Accomplish airplane positioning and testing in accordance with Kit 128-3418 and applicable AMM procedures.

- (4) Transfer data recorded in Table 4 and Table 5 worksheets into the software program (P/N 128-340794-0001) CD-ROM provided in Kit 128-3418.
- (5) Print a new compass correction card (placard). Ensure the printed placard information matches the information recorded in Table 4 and Table 5 worksheets.
- (6) Install the new P/N 128-3418-0005 placard in the airplane in accordance with Kit 128-3418 placard *REMOVAL INSTRUCTIONS* and *INSTALLATION INSTRUCTIONS*.
- (7) Ensure all work areas are clean and clear of tools and miscellaneous items of equipment.
- (8) Return airplane to service.

B. Spares

Not applicable.

C. Record of Compliance

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