

Service Bulletin No: 34-027

Ref No: 259

Modification No: EC-10-0227

ATA Chapter: 34

**NAVIGATION - ATTITUDE AND HEADING REFERENCE -
CORRECT THE MAGNETOMETER PITCH AND ROLL OFFSETS FOR THE KGS 7200 ADAHRS****1. Planning Information****A. Effectivity**

PC-12/47E aircraft MSN 1001 to 1207.

This modification will be incorporated at production from MSN 1208 and up.

B. Concurrent Requirements

None.

C. Reason

(1) Problem:

The pitch and roll offsets for the ADAHRS magnetometers are incorrect.

(2) Cause:

Offset measurements have been recorded with an incorrect algebraic sign. This can cause heading splits between the two ADAHRS channels.

(3) Solution:

Change the algebraic sign for the magnetometer pitch and roll offset measurements.

D. Description

This Service Bulletin gives the data and instructions necessary to correct the magnetometer pitch and roll offsets for each channel of the KGS 7200 ADAHRS.

E. Compliance

Recommended.

F. Approval

The technical content of this document is approved under the authority of DOA No. EASA. 21J. 357.

PILATUS advises Operators/Owners to check with their local Airworthiness Authorities for any changes, local regulations or sanctions that may affect the embodiment of this Service Bulletin.

G. Manpower

Task	Manhours
Preparation	0.5
Modification	1.0
Test/Close up	5.0
TOTAL MAN-HOURS	6.5

H. Weight and Balance:

No change.

I. Electrical load Data:

No change.

J. Software:

Not affected.

K. References:

Aircraft Maintenance Manual (AMM)

12-B-20-31-00-00A-070A-A

12-B-34-25-00-00A-903A-A

AMM TR 34-08

L. Publications Affected:

None.

M. Interchangeability of Parts:

Not interchangeable.

2. Material Information**A. Material - Price and Availability**

Pilatus advise that the standard lead times for the material needed in this Service Bulletin may be up to 3 weeks.

If you need additional information, please contact your Authorized Service Center or:

PILATUS AIRCRAFT LTD.,
CUSTOMER SUPPORT MANAGER,
CH-6371 STANS,
SWITZERLAND

General Aviation:
Tel: + 41 41 619 3333
Fax: + 41 41 619 7311
eMail: SupportPC12@pilatus-aircraft.com

PILATUS BUSINESS AIRCRAFT LTD.,
PRODUCT SUPPORT DEPARTMENT
11755 AIRPORT WAY
BROOMFIELD, CO 80021.
UNITED STATES OF AMERICA

Tel: 303 465 9099
Fax: 303 465 6040
eMail: Productsupport@PilBal.com

PILATUS AUSTRALIA (PTY.) LTD,
17 JAMES SCHOFIELD DRIVE,
ADELAIDE AIRPORT SA 5950,
AUSTRALIA

Tel: (08) 8234 4433
Fax: (08) 8234 4499
Free Call: 1800 445 007
eMail: supportpc12@pilatus.com.au

Operators are requested to advise Pilatus Aircraft Ltd, of the Manufacturer's Serial Number (MSN) and the flying hours of aircraft which are affected by this Service Bulletin.

B. Warranty

Honeywell agrees to cover the costs for parts and labor of affected aircraft on approval of a warranty claim, provided the work is accomplished by a Pilatus approved Service Center within 12 months of the issue date of this Service Bulletin. A properly completed warranty claim may be filed by accessing the Honeywell Aerospace web page at:

<https://portal.honeywell.com/wps/portal/aero/serviceprograms/warranty>
and selecting the Bendix King logo.

Pilatus will supply the required parts free-of-charge for all affected aircraft provided the aircraft is within the two year system warranty and the work is carried out by an authorized Service Center within 12 months from the issue date of this Service Bulletin.