

FOR PLANNING PURPOSES

SERVICE BULLETIN

SERVICE BULLETIN NO: 34-017

REF NO: 222

MODIFICATION NO: EC-08-0495

ATA CHAPTER: 34

NAVIGATION - GLOBAL POSITIONING SYSTEM (GPS) MODIFICATION TO THE GPS WIRING

1. Planning Information

A. Effectivity

PC-12/47E aircraft MSN 545 and MSNs 1001 thru 1100 with the Global Positioning System (GPS) 2 option installed.

This modification will be incorporated during production on MSNs 1101 and subsequent.

B. Concurrent Requirements

None.

C. Reason

(1) Problem:

Heading information from GPS to ADAHRS is required during operation in high latitude regions when magnetometers cannot provide the heading information due to insufficient magnetic field strength. The GPS 2 unit is not connected to the ADAHRS sensor and therefore cannot provide the required heading information in the case of a GPS 1 Failure.

(2) Solution:

The wiring from the GPS 2 unit will be re-routed to ADAHRS Channel B.

D. Description

This Service Bulletin gives the data and instructions necessary to re-route the wiring between GPS units and ADAHRS Channel B.

E. Compliance

Recommended for aircraft that operate in high latitude regions.

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	Man-hours
Preparation	3.0
Modification	6.0
Test	1.5
Close-Up	2.5
TOTAL MAN-HOURS	13.0

H. Weight and Balance

Not affected.

I. Electrical load Data:

Not changed

J. Software:

Not affected.

K. References

Aircraft Maintenance Manual (AMM)

12-B-06-20-00-00A-040A-A	12-B-20-31-00-00A-070A-A	12-B-24-00-00-00A-901A-A
12-B-25-10-03-00A-920A-A	12-B-25-21-01-00A-920A-A	12-B-25-21-04-00A-920A-A
12-B-25-22-01-00A-920A-A	12-B-25-22-04-00A-920A-A	12-B-34-57-00-00A-903A-A
12-B-46-30-00-00A-903A-A	12-B-46-30-03-00A-920A-A	

L. Publications Affected

None.

M. Interchangeability of Parts:

Not applicable.

2. Material Information

A. Material - Price and Availability

Operators should send orders for Service Bulletin Modification Kits, to their Authorized Pilatus Service Center, or to:

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

General Aviation:
Tel: + 41 41 619 6208
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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.