

Service Bulletin No: 34-023

Ref No: 244

Modification No: EC-09-0306, EC-09-0676

ATA Chapter: 34

**NAVIGATION - INDEPENDENT POSITIONING DETERMINING -
INSTALLATION OF A SECOND GLOBAL POSITIONING SYSTEM****1. Planning Information****A. Effectivity**

PC-12/47E aircraft MSN 1003 and up, with a single Honeywell KGS 200 Global Positioning System (GPS)

B. Concurrent Requirements

Service Bulletin 45-004 - Load the Honeywell Primus APEX Option file for various Factory Options.

MSN 545, 1001 to 1100 - Service Bulletin 34-017 - Modification to the GPS Wiring.

MSN 545, 1001 to 1323 - Service Bulletin 34-032 - Introduction of a Honeywell Global Navigation Sensor System Unit (GNSSU) P/N 066-01201-0104 (Pilatus P/N 985.99.12.227)

C. Reason

(1) Problem:

Only one GPS is installed.

(2) Solution:

Install a second GPS system. This modification requires that the Honeywell Primus APEX Option file is loaded with the option for the second GPS enabled (Pilatus Service Bulletin 45-004).

D. Description

This Service Bulletin gives the data and instructions necessary to install a second GPS.

NOTE: If the installed GPS is a WAAS capable unit with Honeywell P/N HG2021GD04 (Pilatus P/N 985.99.12.201), contact Pilatus.

Revision 1 to this Service Bulletin updates the Material Information and the wiring diagrams for a new Honeywell SBAS capable GNSSU. If this Service Bulletin has been accomplished already, no rework is needed.

Revision 2 to this Service Bulletin removes reference to SB 34-026 and replaces it with reference to SB 34-032. The Weight and Balance and parts information is also updated. Customers who have already accomplished this Service Bulletin at a previous issue are recommended to accomplish Service Bulletin 34-032 Part 1 or Part 2.

E. Compliance

Optional.

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.

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H. Manpower:

Task	Man-hours	
	Executive interior	Standard interior
Preparation	12	8
Install the GPS 2 Antenna	8	8
Install the GPS 2 Receiver	0.5	0.5
Connect the Wiring	2	2
Option file load/Test	3	3
Close-Up	15	10
TOTAL MAN-HOURS	40.5	31.5

I. Weight and Balance:

(1) Weight Change

+ 1,87 kg (+4.12 lb)

(2) Moment Change

+7,65 kg-m (+663.56 lb-in)

J. Electrical load Data:

AVIONIC 2 BUS

Continuous current 0.64 A

Short term current 0 A

Transient current 0 A

K. Software:

Not affected.

L. References:

Aircraft Maintenance Manual (AMM)

12-B-20-31-00-00A-070A-A 12-B-25-21-03-00A-920A-A
12-B-25-22-03-00A-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

M. Publications Affected:

AMM, IPC.

N. Interchangeability of Parts:

None

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:

- 6 months for Hardware.

Use the Order Form in Service Bulletin 45-004 (Load the Honeywell Primus APEX Option file for various Factory Options) to send orders for Service Bulletin Modification Kits, to your Authorized Pilatus Service Center, or to:

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

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PRODUCT SUPPORT DEPARTMENT
11755 AIRPORT WAY
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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.