

Service Bulletin No: 34-020

Ref No: 251

Modification No: EC-09-0218

ATA Chapter: 34

**NAVIGATION - DEPENDENT POSITIONING DETERMINING -
INSTALL A GPS RECEIVER THAT IS WIDE AREA AUGMENTATION SYSTEM (WAAS) CAPABLE****1. Planning Information****A. Effectivity**

PC-12/47E aircraft MSN 545 and MSN 1001 thru 1230 with non-WAAS capable Global Positioning System (GPS) Receiver(s) installed. This Service Bulletin is no longer available.

B. Concurrent Requirements

Service Bulletin 45-003 - Update Honeywell Primus APEX Operational software to Build 6,

OR

Service Bulletin 45-004 - Load Honeywell Primus APEX Option File for various factory options.

C. Reason

(1) Problem:

The current KGS 200 GPS receiver (P/N 985.99.12.155) is not WAAS capable.

(2) Cause:

Operational software and hardware limitations.

(3) Solution:

Install a HG 2021 GPS receiver (P/N 085.99.12.201) that is WAAS capable. This modification requires that Honeywell Primus APEX Operational software Build 6 is installed (Pilatus Service Bulletin 45-003) or a new Honeywell Primus APEX Option File is loaded (Pilatus Service Bulletin 45-004).

D. Description

This Service Bulletin gives the data and instructions necessary to remove the existing No. 1 KGS 200 GPS receiver and install a WAAS capable HG 2021 GPS receiver. In addition, the optional KGS 200 GPS 2 receiver (if installed) is relocated.

Revision 1 to this Service Bulletin revises the effectivity, advises operators that this SB is no longer available and adds reference to Service Bulletin 34-026 - Install a GPS Receiver that is Wide Area Augmentation System (WAAS) Capable.

Optional.

E. 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.

F. Manpower

Refer to Pilatus Aircraft Limited if you want an estimate of the manhours to accomplish this Service Bulletin.

G. Weight and Balance:

Weight +1,13 kg, Moment +3368,0 mm

H. Electrical load Data:

Not changed

I. Software:

Not affected.

J. References:

Aircraft Maintenance Manual (AMM)

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-34-57-00-00A-903A-A

12-B-46-30-00-00A-903A-A 12-B-46-30-03-00A-920A-A

K. Publications Affected:

AMM, IPC, AFM.

L. Interchangeability of Parts:

Pre Service Bulletin 34-020 GPS No 1 Receivers are usable in GPS No 2 Receiver position. Post Service Bulletin 34-020 GPS No 1 Receivers are not usable on pre SB 34-020 aircraft.

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

Pilatus advise that the modification kit for this Service Bulletin is no longer available.

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.,
COORDINATOR SERIALISATION PC-12 NG,
CH-6371 STANS,
SWITZERLAND

Markus Flury
Tel: + 41 41 619 33 75
Fax: + 41 41 619 69 06
eMail: mflury@pilatus-aircraft.com

PILATUS BUSINESS AIRCRAFT LTD.,
COMPONENT SERVICES ADMINISTRATOR
11755 AIRPORT WAY
BROOMFIELD, CO 80021.
UNITED STATES OF AMERICA

Jerry Frank
Tel: +1 303 410 2731
Fax: +1 720 887 8915
eMail: jfrank@PilBal.com

PILATUS AUSTRALIA (PTY.) LTD,
CUSTOMER SUPPORT MANAGER PC-12
17 JAMES SCHOFIELD DRIVE,
ADELAIDE AIRPORT SA 5950,
AUSTRALIA

Graham Fuller
Tel: +61 8234 4433
Fax: +61 8234 4499
eMail: gfuller@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.