

Service Bulletin No: 34-035

Ref No: 296

Modification No: EC-12-0340

ATA Chapter: 34

**NAVIGATION - DEPENDENT POSITIONING DETERMINING
INTRODUCTION OF A HONEYWELL GLOBAL NAVIGATION SYSTEM SENSOR UNIT (GNSSU) P/N 066-01201-0105 (PILATUS P/N 985.99.12.253)****1. Planning Information****A. Effectivity**

PC-12/47E aircraft MSN 545, 1001 thru 1400 and all GNSSU P/N 066-01201-0101 / 0102 / 0104 (Pilatus P/N 985.99.12.155 / 191 / 227) held as stock.

Aircraft MSN 1401 and up will have this modification done at production.

B. Concurrent Requirements

None.

C. Reason

(1) Problems:

The current installed Honeywell GNSSU P/N 066-01201-0102 and 066-01201-0104 (Pilatus P/N 985.99.12.191 and 985.99.12.227) cannot be used for LPV guided approaches.

Honeywell GNSSU P/N 066-01201-0101 (Pilatus P/N 985.99.12.155) is not compatible with Primus APEX Software Build 7 and higher.

(2) Cause:

Operational software limitations.

(3) Solution:

Install Honeywell GNSSU P/N 066-01201-0105 (Pilatus P/N 985.99.12.253).

D. Description

This Service Bulletin gives the data and instructions necessary to:

- Part 1 - upgrade the existing Honeywell GNSSU with new software (preferred method)

or

- Part 2 - remove the existing Honeywell GNSSU and install updated GNSSUs

or

- Part 3 - MSN 1107 only - remove the existing CMC GNSSU No. 1 and install Honeywell KGS 200 GNSSU. For GPS 2 (if installed) refer to Part 2 of this Service Bulletin

NOTE: Part 2 of this Service Bulletin supersedes Part 2 of Service Bulletin 34-032.

or

- Part 4 - upgrade Honeywell GNSSU held as stock with new software.

Embodiment of this Service Bulletin removes AFM Temporary Revision 26 from Supplement 5 - Localizer Performance with Vertical (LPV) Guidance Approach Capability.

E. Compliance

Mandatory, at next Annual Inspection, but not later than 31 December 2013.

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 designated Airworthiness Authority for any changes, local regulations or sanctions that may affect the embodiment of this Service Bulletin.

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H. Manpower

Task	Part 1 - Man-hours	
	Single GNSSU Installation	Dual GNSSU Installation
Preparation	0.5	1.0
Modification	0.5	1.0
Close-Up	1.0	2.0
TOTAL MAN-HOURS	2.0	4.0

Task	Part 2- Man-hours	
	Single GNSSU Installation	Dual GNSSU Installation
Preparation	0.5	1.0
Modification	0.5	1.0
Close-Up	1.0	2.0
TOTAL MAN-HOURS	2.0	4.0

Task	Part 3- Man-hours
	Refer to Service Bulletin 34-032

Task	Part 4- Man-hours
	Refer to Honeywell Service Bulletin KGS 200 34-06

I. Weight and Balance:

(1) Part 1

No change

(2) Part 2

No change

(3) Part 3

Refer to Service Bulletin 34-032

(4) Part 4

No change

J. Electrical load Data:

Not changed

K. Software:

Not changed.

L. 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-34-57-01-00A-920A-A 12-B-34-57-01-00A-920C-A

12-B-45-45-00-00A-550A-A 12-B-46-30-00-00A-903A-A 12-B-46-30-03-00A-920A-A

Honeywell Service Bulletin KGS 200 34-05 and KGS 200 34-06

Pilatus Service Bulletin 34-032

M. Publications Affected:

IPC, AMM, AFM.

N. Interchangeability of Parts:

Not interchangeable.

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

Pilatus advise that the standard lead times for a new GNSSU may be up to 4 months.

If you require more information about this modification, please contact us as follows:

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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.

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.

C. Material Necessary for one Aircraft:

NOTE: 1. Tell Pilatus the Serial Number of the currently installed GNSSU as the S/N must be referred to when you order replacement identification tags.

NOTE: 2. Tell Pilatus the currently installed Option file number (the Honeywell number, including the dash number).

NOTE: 3. Part Numbers given in this Service Bulletin are correct at the time of approval. Pilatus Aircraft Ltd. reserves the right to change the part numbers as necessary. Part numbers of items delivered with the Modification Kit are correct when the kit is dispatched. This could lead to differences between those part numbers quoted in this Service Bulletin and the Modification Kit if parts are superseded. Operators are requested to check the IPC for delivered parts which differ from those listed in the Service Bulletin Materials Kit List