

Service Bulletin No: 22-005

Ref No: 245

Modification No: EC-08-0620

ATA Chapter: 22

**AUTOFLIGHT - AUTOPILOT
REPLACEMENT OF THE FLIGHT GUIDANCE PANEL (FGP)****1. Planning Information****A. Effectivity**

PC-12/47E aircraft MSN 545 and MSNs 1001 thru 1180 for which the Coupled VNAVFactory Option was selected.

B. Concurrent Requirements

Service Bulletin 45-003 - Upgrade Honeywell Primus APEX Operational software to Build 6.

C. Reason**(1) Problem:**

The existing flight guidance/autopilot system does not include vertical navigation capability.

(2) Cause:

Operational software limitations.

(3) Solution:

An upgrade of the Honeywell Primus APEX Operational software to Build 6 allows the installation of a Flight Guidance Panel (FGP), Honeywell P/N 071-01597-0401, (Pilatus P/N 985.99.12.204) which has a VNAV pushbutton. The new FGP will be required once the coupled VNAV option becomes available in a future Honeywell Primus APEX Operational software build.

D. Description

This Service Bulletin gives the data and instructions necessary to remove and install the FGP.

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.

G. Manpower

Task	Man-hours
Removal and Installation of the FGP	0.3
Test	0.7
TOTAL MAN-HOURS	1.0

H. Weight and Balance

Not affected.

I. Electrical load Data

Not changed

J. Software:

Not affected.

K. References

Aircraft Maintenance Manual (AMM) 12-B-22-10-05-00A-920A-A.

L. Publications Affected

Illustrated Parts Catalog (IPC), Aircraft Flight Manual (AFM), AMM.

M. Interchangeability of Parts:

One-way interchangeable. Pre Service Bulletin 22-005 Flight Guidance Panel must not be installed on Post Service Bulletin 22-005 aircraft.

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

Pilatus advise Operators to call Honeywell Olathe, Kansas on +1 913 712 3000 to receive Return Material Authorization and to get an estimate of turn-around time.

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

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Warranty for the Replacement of the Flight Control Panel

- (1) Honeywell agrees to cover the costs for parts and labor for upgrade of existing units of affected aircraft (which had the Coupled VNAV Factory Option selected) on approval of a warranty claim, provided the work is accomplished by an appropriately rated Honeywell Service Center within 24 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.