≡PILATUS≡
PC XII

PILATUS AIRCRAFT LTD. CH-6370 STANS, SWITZERLAND.

SERVICE LETTER

SUBJECT: BENDIX/KING FLIGHT COMPUTER SOFTWARE BULLETIN

All Operators   Date: 09 January 1996

The attention of all PC-12 Operators is drawn to the subject Bulletin No: KCP 220-SW4 which is supplied in Annex A of this Service Letter.

The component addressed is:

- PC-12 Autopilot Computer (PIL. P/N: 985.92.03.100)

In order to achieve the Autopilot system improvements, the adapter module Bendix/King KPN 065-05034-0021 (PIL. P/N: 985.92.03.108) must be replaced by the adapter module KPN 065-05034-0026 (PIL. P/N: 985.92.03.109) which is inside the KCP 220 flight control computer.

Pilatus Aircraft Ltd. advises that this Bulletin should be adopted in order to inhibit the roll rate monitor during yaw damper only operation, thereby preventing nuisance Autopilot disconnects. This improvement will be incorporated on Aircraft MSN 129, 132 and subsequent.

Any specific queries concerning this subject should be addressed to the Vendor, as given on the front page of the Bulletin.

Should any difficulty be encountered, inquires can be made to the following address:

PILATUS AIRCRAFT LTD.
PC-12 CUSTOMER LIAISON MANAGER - Dept. GC.
CH-6370 STANS,   Tel: + 41-41-636 635
SWITZERLAND.   Fax: + 41-41-636 224

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Annex A to Pilatus Service Letter No: PC-12 006

Bendix/King Software Bulletin No: KCP 220-SW4

(3 Pages)

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BENDIX/KING® *Software Bulletin*

BULLETIN NO: KCP 220-SW4
Flight Computer
for KFC 275/325
Flight Control Systems

EFFECTIVITY

KCP 220, P/N 065-0064-15, serial number 1657 and below.

Units with serial numbers above those stated have Software Level 05 incorporated during original manufacturing.

REASON

To inhibit the roll rate monitor during yaw damper only operation thereby preventing nuisance autopilot disconnects.

DESCRIPTION

This modification consists of replacing four EPROM IC's and the tags identifying the board and the unit. This bulletin incorporates software level 05.

CAUTION

To activate the improvements in this software change, the KCP 220 flight computer will need an adapter module change. Refer to the KFC 275/325 certification information for the applicable aircraft make and model to get the adapter module part number information.

COMPLIANCE

Customer Option

Date: Oct/95

P/N: 605-05000-0040

WARRANTY INFORMATION

Warranty credit or payment will be issued for this modification if the unit is still under the original new product warranty and the modification is completed by an appropriately rated BENDIX/KING Service Center. A properly completed warranty claim for two (2.0) hours labor plus parts may be submitted.

APPROVAL

Conforms to FAA TSO C9c and C52a

MANPOWER

Two (2.0) hours labor

REFERENCES

KCP 220 Maintenance/Overhaul Manual, P/N 006-05657-XXXX

MODIFICATION PROCEDURE

1. Replace I117 on the Roll board with the new software P/N 122-01385-0005.

2. Replace I236 on the Pitch board with the new software P/N 122-01386-0004.

3. Replace I314 on the Option board with the new software P/N 122-01384-0003.

4. Replace I412 on the Logic board with the new software P/N 122-01383-0003.

IDENTIFICATION PROCEDURE

1. Change the Roll Board part number tag so that it reads 205-00734-0003. This is accomplished by removing the existing tags, and then installing P/N 057-02241-0003 over the right side of P/N 057-05252-0734, on the noncomponent side of the board.

2. Change the Pitch Board part number tag so that it reads 205-00733-0004. This is accomplished by removing the existing tags, and then installing P/N 057-02241-0004 over the right side of P/N 057-05252-0733, on the noncomponent side of the board.

3. Change the Option Board part number tag so that it reads 205-00732-0003. This is accomplished by removing the existing tags, and then installing P/N 057-02241-0003 over the right side of P/N 057-05252-0732, on the noncomponent side of the board.

4. Change the Logic Board part number tag so that it reads 205-00731-0003. This is accomplished by removing the existing tags, and then installing P/N 057-02241-0003 over the right side of P/N 057-05252-0731, on the noncomponent side of the board.

5. Replace the existing unit software ID tag, on the outside of the unit, with the new tag P/N 057-03284-0005. This identifies the unit as having the new 05 software level.

TESTING PROCEDURE

Perform a complete final test of the unit.

MATERIAL INFORMATION

All parts necessary to modify one KCP 220 per this Service Bulletin are listed below:

P/N	QTY	Description
057-02241-0003	3	-03 ID TAG
057-02241-0004	1	-04 ID TAG
057-05252-0731	1	205-00731-00 ID TAG
057-05252-0732	1	205-00732-00 ID TAG
057-05252-0733	1	205-00733-00 ID TAG
057-05252-0734	1	205-00734-00 ID TAG
057-03284-0005	1	05 UNIT SW ID TAG
122-01383-0003	1	I412 LOGIC SOFTWARE
122-01384-0003	1	I314 OPTION SOFTWARE
122-01386-0004	1	I236 PITCH SOFTWARE
122-01385-0005	1	I117 ROLL SOFTWARE