

Service Bulletin No: 22-006

Ref No: 328

Modification No: EC-14-0426

ATA Chapter: 22

**AUTOFLIGHT - AUTOPILOT
SOFTWARE MODIFICATION TO THE KSA 2700 AUTOPILOT SERVO****1. Planning Information****A. Effectivity**

PC-12/47E Aircraft MSN 545, 1001 thru 1555.

This modification will be embodied on MSN 1556 and higher at production.

B. Concurrent Requirements

None.

C. Reason**(1) Problem**

The yaw damper system has experienced nuisance disconnects in service.

(2) Cause

Failure of the servo position calibration during power-up.

(3) Solution

Install the new KSA 2700 Servo software which disables servo position calibration during power-up.

D. Description

This Service Bulletin gives the data and instructions necessary to upgrade the autopilot servo software on-aircraft. It is allowed to upgrade all three autopilot servos (Part 1 and Part 2) at the same time, or it is permitted to upgrade either only the pitch and yaw servo (Part 1) and the roll servo (Part 2) at the next annual inspection.

NOTE: Units held as spare must be returned to a Honeywell Service Center for upgrade.

Part 1 covers the upgrade for the yaw and pitch servos (rear fuselage).

Part 2 covers the upgrade for the roll servo (frame 24).

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 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	Man-hours Part 1	Man-hours Part 2
Preparation	0.4	0.2
Modification	1.4	0.7
Close Up	0.2	0.1
TOTAL MAN-HOURS	2.0	1.0

I. Weight and Balance**(1) Weight Change**

None.

(2) Moment Change

None.

J. Electrical load Data

None.

K. Software

Autopilot servo software change from KSA 2700 Servo, Pilatus P/N 985.99.12.131 (Honeywell P/N 065-00190-0101 SW/MOD 01/01) to KSA 2700 Servo, Pilatus P/N 985.99.12.275 (Honeywell P/N 065-00190-0101 SW/MOD 01/03).

L. References

Honeywell Service Bulletin 155-06074-22-0001 (latest issue), available at www.pilatus-aircraft.com > Customer Support > Publications > PC-12 > Third Party Documents.

Aircraft Maintenance Manual (AMM)

12-B-06-20-00-00A-040A-A 12-B-22-10-00-00A-903A-A 12-B-24-00-00-00A-901A-A
12-B-25-21-04-00A-920A-A 12-B-25-22-04-00A-920A-A.

Tool and Equipment Manual (TEM)

12-B-45-45-00-00A-066A-A.

M. Publications Affected

IPC.

N. Interchangeability of Parts

Not applicable.

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

If you want more information about this modification, contact your approved Service Center or:

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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 cost 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 18 months of the issue date of this Service Bulletin. A properly completed warranty claim may be filed and emailed to aerospacewarranty@honeywell.com.

C. Material Necessary

NOTE: 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.