

FOR PLANNING PURPOSES

SERVICE BULLETIN

SERVICE BULLETIN NO: 21-010

REF NO: 226

MODIFICATION NO: EC-08-0348

ATA CHAPTER: 21

**AIR CONDITIONING - TEMPERATURE CONTROL
REPLACEMENT OF THE INTEGRATED ENVIRONMENTAL-CONTROL-SYSTEM CONTROLLER (IEC)**

1. Planning Information

A. Effectivity

PC-12/47E aircraft MSN 545 and MSNs 1001 thru 1031, 1033 and 1034.

All IECs P/N 959.90.20.127 held as spare or in stock.

B. Concurrent Requirements

None.

C. Reason

(1) Problem:

Problems have been found with the Central Maintenance Computer (CMC) system diagnostic functions and automatically controlled inhibit functions during full heating or cooling. Additionally, it is necessary to update the cabin heater-fan logic.

(2) Cause:

A design oversight caused the communications errors in the maintenance interface. The cabin heater fan logic update improves the safety of the system when potentially hazardous failures occur.

(3) Solution:

Install an IEC, P/N 6130C000-002 (Pilatus P/N 959.90.20.129), which has the updated software to resolve the problems.

D. Description

This Service Bulletin gives the data and instructions necessary to:

(1) Remove the IEC.

(2) Do the Honeywell Service Bulletin 6130C-21-556 (at the latest revision) to the IEC.

NOTE: The Honeywell Service Bulletin 6130C-21-556 (at the latest revision) can be downloaded from the Honeywell Webpage or requested from Pilatus (Refer to the contacts listed in Para. 2.A.).

(3) Install the IEC.

E. Compliance

Recommended.

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 IEC	2.0
Upgrade the software of the IEC i.a.w. the Honeywell Service Bulletin 6130C-21-556 (at the latest revision)	0.5
TOTAL MAN-HOURS	2.5

H. Weight and Balance

Not affected.

I. Electrical load Data

Not changed

J. Software:

The new IEC, P/N 959.90.20.129, has had the software updated from version 1487U000-001 to version 1487U000-002.

K. References

Aircraft Maintenance Manual (AMM), 12-B-21-60-01-00A-920A-A, 12-B-24-00-00-00A-901A-A.

Honeywell Service Bulletin 6130C-21-556 (at the latest revision).

L. Publications Affected

Illustrated Parts Catalog (IPC), Chapter 21-60-00.

M. Interchangeability of Parts:

One-way interchangeable. Pre Service Bulletin 21-010 IECs must not be installed on Post Service Bulletin 21-010 aircraft.

2. Material Information

A. Material - Price and Availability

No modification kit is required for this Service Bulletin. Refer to Para. 2.C.(1) and Para. 2.F. for more information.

If you require more information about the serialization of Software Build 5, please contact us as follows:

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